

# CONTOUR

VOLUME 4 NO. 1

DEFENSE MAPPING SCHOOL

14 JANUARY 1977

## DMATC LENDS DMS A HAND

Tony and Tom are two names now very familiar in the halls and practical exercise training areas in the Graphic Arts Department (GAD).

These gentlemen, Tony Jaskulski, graphic arts equipment maintenance expert, and Tom Russek, the machinery electrical expert, team up to keep the graphic equipment at DMATC purring along.

They recently applied their expertise here, on two Harris LXG Offset presses and a Lawson "Pace-maker II" power paper cutter that had advanced electrical problems. This equipment, received by GAD as excess property from the Cartographic Technical Squadron, March AFB, California, had inherent maintenance problems that were not fully resolved at March AFB and so — were inherited by GAD.

Consistent perseverance on the part of Mr. Searfoss located such required electrical parts as: chromalox resistors for the Harris presses, micro-switches, Brumfield relays and nylon fiber rollers for the micro-switch for the paper cutter. Determination by Tony and Tom corrected the deficiencies and got

the equipment back in first class shape by 17 December, in time for them to join the GAD Xmas activities.

For a total cost of \$396.00 for parts and no charge for labor, \$91,000.00 worth of equipment was put back in top shape to support the training mission of DMS. The cost savings to the government (us taxpayers) was considerable, another step in the right direction.



L to R: Mr. Jaskulski & Mr. Russek

## BG BACHUS OPENS MC&GOC AND BTOC COURSES

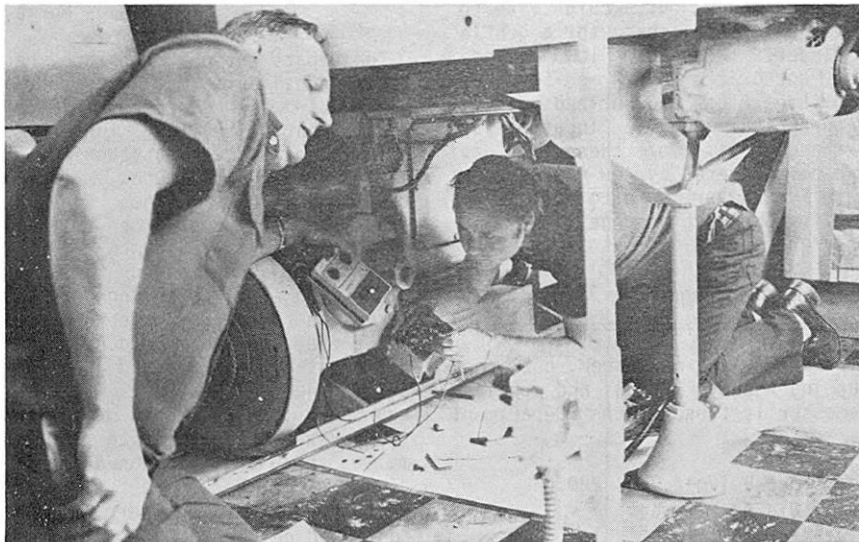


BG Bachus addresses MC&GOC and BTOC Classes.

On the 5th of January, Brigadier General Walter O. Bachus, Topographer of the Army, addressed the opening of Class 1, Mapping, Charting and Geodesy Officer and Class 1 of the Basic Topographic Officer Courses.

He gave an enthusiastic speech to the students, highlighting the point that topographers, in a sense, have to be sales people, they must be able to sell their products to the people they support.

BG Bachus is currently assigned as Director, Facilities Engineering Directorate, Office, Chief of Engineers.





The Wintz household has once again resumed a degree of normalcy (normalcy being a relative term) after the holidays. We performed our annual post-vacation ritual this Tuesday: Mom packs ornaments, lights, stand, mobiles, candles in a 26-inch wide box. Dad takes box down 25½-inch wide passageway to basement. Dad seals box and puts it way in back of things we will need before next Christmas. Mom discovers the wreath is still on the front door. Dad says some bad words.

Proof of our fair and even-handed attitude toward Warrant Officers occurred on 3 January when we promoted Chris Nohe to CW3 in my office. Evidence of our new unbiased and enlightened policy lies in the fact that we've abandoned our previous technique of promoting Warrants in the blacked-out planetarium. The bizarre possibilities during the pinning-on portion of such ceremonies have been pointed out by several citizen's groups and the change has been made. In any case, our best to Chris, Pam, and their two fine children; it was a pleasure to have you in.

Those few trouble-makers who persist in believing that there is some kind of antipathy by the Director and PPO toward Warrant Officers will be delighted to learn that the Admiral asked what all the Kidding was about after the recent MC&GOC graduation. I told him of our years of suffering on tours with Warrants, but finally had to admit that we kid those we like (Ooh, what a WO Zinger I could put in here!).

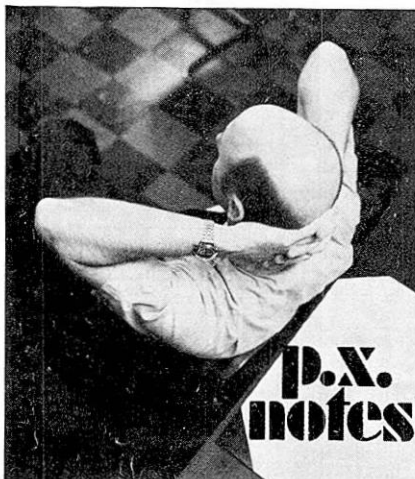
So it's back to the platform after a safe and delightful holiday. If the phone and number of visitors this first week are any indication, it will be a busy year. And fun.



The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

Address all communication to:

Editor, Contour, Defense Mapping School, Fort Belvoir, VA 22060  
Director: COL Edward K. Wintz  
Editor: Cathy McCloskey



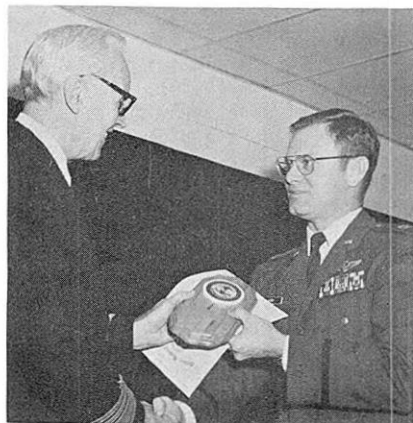
by SGM Bill Locke

I will have departed on an extended TDY trip by the time you read this, but please don't let that stop you from calling in your questions, complaints, etc. (I also accept "well done"). Ms. Crismond will be happy to take a message and I'll contact you upon my return. So that you don't lose the habit of looking for and reading this informative column (you haven't indicated otherwise) I've written several that can be used in my absence.

I trust one and all had a joyous holiday season and that you still have a little something left to spend for that birthday or anniversary that everyone invariably has within weeks of Christmas. The Exchange is the place to shop for that gift. What if they haven't got the item you've been looking for? That does happen of course and there are a number of reasons and solutions. In the past I've discussed several reasons as well as solutions, but would like to take a little space for a gentle reminder. Reasons: low demand; not authorized by Armed Services Committee; not authorized due to geographical/economic location of exchange. Some of these reasons can be countered by you the shopper. Have you ever said to your self, "Self, why make a suggestion, I'm only one person?" That's true, but if we all say that, we'll never ef-  
Continued on Page 5.

## VADM Cramer Speaks at Graduation

VADM S.D. Cramer, Jr., Director, Defense Mapping Agency, was the guest speaker at the MC&GOC graduation in December. VADM Cramer's dynamic address to the graduating students emphasized that mapping, charting and geodesy is a tremendously important field. There is not a weapons system built today that does not rely on MC&G in one form or another. This is a recognized fact, and weapon systems developers and MC&G personnel work very closely together through the R&D phase.



VADM Cramer presents graduation certificate to Capt Wayne Baird, USAF, Distinguished Graduate.

## SUPER TIME HAD BY ALL

by Gene Murray

The Department of Cartography had their Annual Christmas Party, Friday evening, 10 December 1976, at the Dumphries Holiday Inn. As usual, the food was outstanding and everyone ate too much. Music by the "Good Times" Dance Band was super and everyone danced to their hearts content. Evidence of the overeating was obvious on the dance floor with everyone trying to shake it out and/or off. Everyone ate about the same, but the dancing was different...with Rose and John Maxwell doing the "New York City Country Stump", Mike Eddy doing the "Hugh Hefner Boogie" with two females and Marlin Yelton doing the "Throw Your Back Out of Place Waltz." Door prizes were won by  
Continued on Page 6.

## MYSTERY PERSON



This quizzical expression still prevails on the face of our mystery person although he is now thirty years older than this photo. He has been acclaimed to be one of the most industrious individuals as-

signed to GAD. Since his assignment to DMS he has not only given excellent instruction on the platform but has also undertaken additional duties, such as, painting 5 offices, 3 classrooms, 2 hallways, and 1-1/2 latrines. His favorite color in enamel gray.

After duty hours our Mystery hustler has maintained several part-time jobs. He is presently working part-time in a print shop, although recently he has logged several thousand hours babysitting. He's a good buddy to everyone — if you know what I mean.

ANSWER TO 17 DECEMBER MYSTERY LADY



The resident siren is Shirley Sundquist's the name of our girlie

She's "blondish" right now  
So decorative, and how  
She's the reason we get  
here early

## WOODY TAKES ON THREE MORE

by Barbara Herbstreith

SFC Henry Wooldridge, known to most as Woody, re-enlisted for another three years on 14 December. Major Kinnan administered the Oath of Enlistment which ended with an emphatically enunciated "AMEN".

Woody left the hills of West Virginia to see the world and embark upon his successful military career which began in July 1963. His duty assignments have taken him to Japan (where he met his lovely wife Kioko), Germany, Vietnam and Hawaii.

Since Woody's arrival at DMS in 1974, his contributions have been many. He is presently an Instructor in the Photogrammetric Compilation Course where his wealth of knowledge, especially of PHOTOC's more sophisticated instruments, has proven invaluable.

Woody and Kioko live in Colyer Village with their two sons Steve

and Robert.

Congratulations Woody, and have a happy "three".

## FREE WASHINGTON AREA MAP

New 1976 Washington D.C. maps can be obtained free by sending a self-addressed 8" x 10" envelope with twenty-eight cents postage to:

MAPS  
Room 519, Presidential Bldg.  
415 12th St., NW  
Washington, D.C. 20004

Or, if you're in the area, stop in and pick one up.

### LAST MINUTE REMINDER. . . .

The next Contour will be distributed on 28 Jan, deadline for articles is noon, 18 Jan.

The deadline for articles in the 11 Feb Contour is 2 Feb.

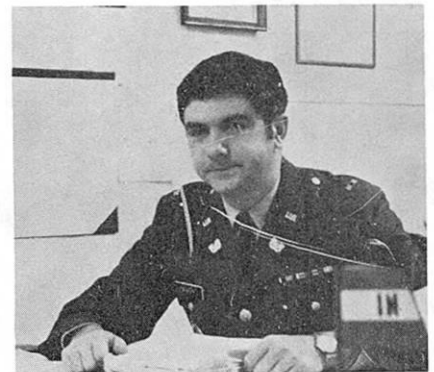
## GAD WELCOMES WO1 DAVID P. KNOX

Our family received a belated 1976 or early '77 Christmas present with the arrival of Warrant Officer Knox. One of his first statements was "I would like to begin the New Year right by extending a Happy New Year greeting to all the folks of DMS, particularly those of the Photolithography Division." Mr. Knox, or Chief, will take over the reins of that Division from Chief Kallagis in late January - Mr. K replaces Mr. K, is that a coincidence or good planning by OPO?

Mr. Knox originally rode out of North Woods on a cold December wind, or to be more precise, he comes from Lewiston, Maine. No, he is not French Canadian even though he and his lovely wife Carla named their two girls Withney and Denai, five and two years old respectively. The family lives at 2911 Alliance Lane in Woodbridge.

Mr. Knox acquired his printing skills through his High School program, working on the hometown newspaper and doing weekend printing projects for local job shops. Upon graduation from High School in 1965, he joined the Army and after Basic and AIT, was sent to Panama. He returned in 1968 and was discharged from Ft Eustis, VA.

After spending three years in the Florida sun, he decided to return to military life. He rejoined the Army in 1971, received Basic Training at Ft Knox and AIT at Ft Rucker, Alabama. After that came a three



year tour of duty in Europe with the 656th and 649th Engineer Battalions (Topo). Following his overseas tour was a year and a half at Ft Leonard Wood and finally his last six months assignment with the 30th Engineer Battalion (Topo), here at Ft Belvoir. DMS, in addition to GAD, extends a hearty "welcome aboard" to Mr. Knox and his family.

## HELP!

by Ron Wenrich

The Department of Cartography, Construction Drafting Division is used to losing (thru PCS, ETS, etc.) one person at a time, but this past holiday period they lost two outstanding NCO's.

Their ultra-military leader, MSG Alton E. Crews, departed for the Sergeant Major Academy on 10 Jan 77. SSG William R. Snyder departed for Korea on 3 Jan 77.

Everyone in DMS will remember MSG "Gene" Crews, long after he has departed. He has roamed the hallowed



halls of Wheeler Hall for 0.7 of a decade in both officer and NCO status. Three Departments that benefited from his enthusiastic services were: D/Survey, TSD and

D/Cartho. To each Department, he brought a high level of efficiency, while adhering to basic leadership principles. His ability to eke out every ounce of performance from "his men" is a Crewsism. No doubt that our loss is the Army's gain. Look out world, here comes a 51H5M solution, looking for problems.

SSG Bill Snyder is a graduate of the Construction, Cartographic, Survey and Soils Analysis Courses and was a cornerstone in the Con-



struction Drafting Division. When he reports to the Land of the Morning Calm, it will be as a 51H40 (Construction Foreman). The guys on the three man shovels better have their stuff together, because Bill surely does.

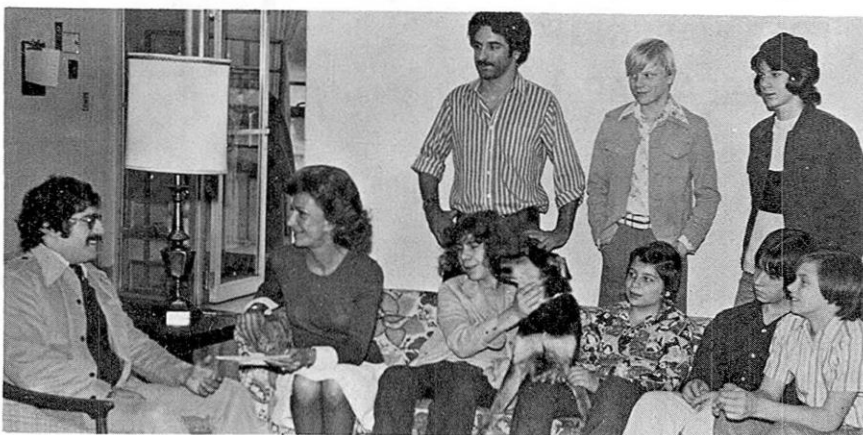
Good Luck, God's speed and protection; if history repeats, we will see you next time around.

## ANOTHER THREE FOR MSgt MILLER



MSgt Shelby R. Miller (USAF), an Instructor in the Survey Computing Division, Department of Survey, re-enlisted for 3 more on 31 Dec 76. He was sworn in by 1st Lt James H. Chaney, in a ceremony held in Det 1, 1100th Air Base Wing, Ft Belvoir.

## German Orphan Home Gets Military Mappers' Money



Mr. Michael Stern, executive director of the German Orphan Home, Upper Marlboro, Md, accepts a check for \$316 from Mrs. Mary Jane Stafford of the Headquarters, Defense Mapping Agency, Washington, D.C. Mr. Michael Iacangelo, counselor,

left rear, and some of the fourteen boys in the home and their dog Prince, witness the occasion. Money for the home was given by DMA headquarters personnel in lieu of sending each other holiday greeting cards.

## WO PROMOTION



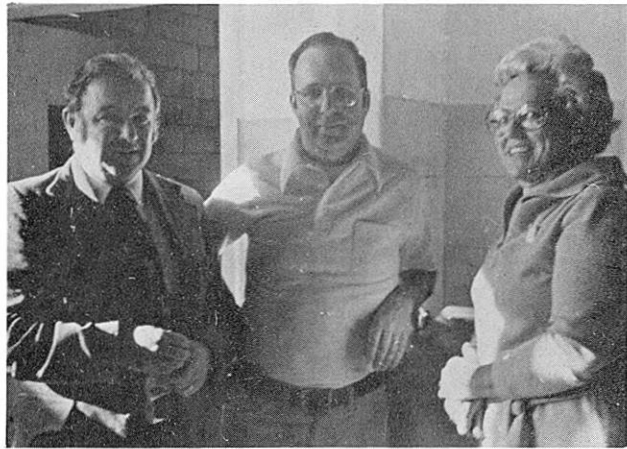
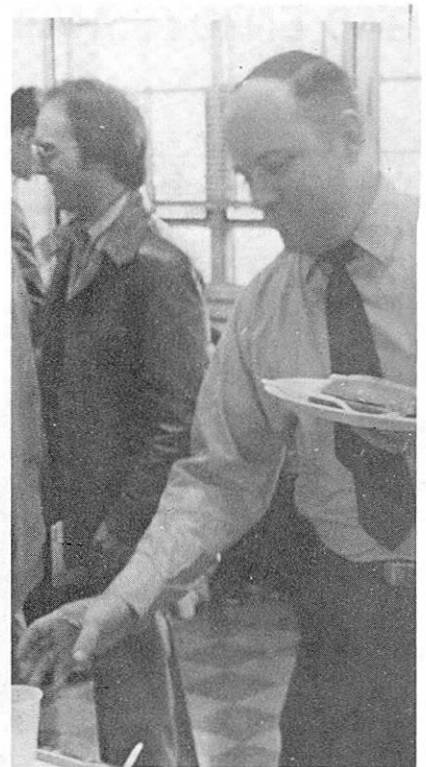
Congratulations to newly promoted CW3 Nohe, he is now a junior "Super Chief". His lovely wife and 2 children were proud participants in the "pinning" ceremony held recently in COL Wintz's office.

# Some Scenes from the DMS Xmas Parties

By Cathy McCloskey

This year each Department did their "own thing" on 17 December, the day the DMS family celebrated Christmas. I managed to hit all of them, but alas, my picture taking has not improved any since the last time I sat here trying to explain what went wrong, but the guys in

the Photo Division did the best they could (thanks guys). Anyway, everyone had a good time, Santa Claus, (furnished by Dept of Carto), had some goodies for the kids, there was plenty of food and punch and a lot of visiting between Departments and Buildings, (it's just a shame someone didn't show up with a camera!)



## P. X. NOTES

Continued from Page 2.

fect a change. If you'd like to see something carried, fill out the form. Mention it to a friend. Maybe she/he agrees and they too can suggest. It takes a while for new items to be incorporated into the system. Generally, there'll be a period of varying length while those that authorize buys keep an eye on the "market" to see how this new "widget" is being accepted. If: it's not going to be a flash in the pan; it's within authorized pricing limitations for that par-

ticular class of item; it doesn't violate Armed Service Committee regulations; and it has Exchange customer appeal, chances are good it will be incorporated into the inventory. The thought I'd like to leave you with, is that you not leave the store to go somewhere else and look, until you've made some inquiries. The item you seek may be carried in another store and can be procured for you in a couple of days. If you can wait, there's always Customer Service Special Order.

Another reminder -- the recently opened Equipment Rental Store is waiting to serve you. They're do-

ing a bang-up business and have had to "beef-up" their stock in some items. During the holidays for example they ran out of roll away beds. I hadn't even known they carried beds, but will surely remember next time guests drop in and stay over. Other items carried include: TV sets, Rinse and Vac rug cleaners, hand and power tools, party needs (tables, chairs, punch bowls, etc.) and chain saws. These are just a few of the things you may rent. Why not take a few minutes when you're in the vicinity stop in and browse (Bldg. 1191).

Buying at the Exchange is smart, Continued on Page 6.

# GAD ENJOYS AN EARLY CHRISTMAS

by Mr. McCullough

The merry people of the Department of Graphic Arts really enjoyed their Christmas party during the afternoon of December 17th. I would like to take this opportunity to say thanks to those who did so much and made so many goodies for the party. It's a great feeling to

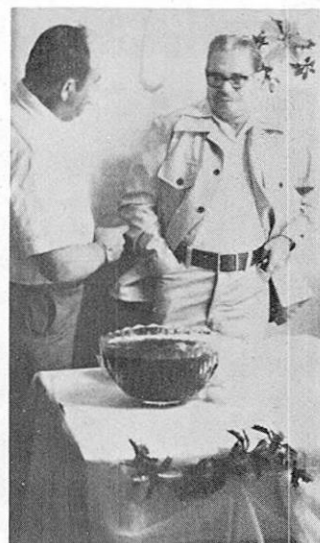
be part of such a fine group of people.

During the festivities, an event occurred that you might say was the highlight of the day, the people of GAD, particularly those in the Photo Division, played Santa Claus to Mr. George Searfoss.

The gift presented to George was so overwhelming that it left him

speechless. It seems a friend of his from southern California wanted to be remembered so he sent his enlarged photo to George. (P.S. If you want a 2 hour dissertation on the man in the photo, see Mr. S.)

Finally, we got the opportunity to say hi to one of our former faculty members. You sure can tell the old timers, they get off into a corner and jaw away the whole afternoon! (Know who I'm talking about Mr. Levine?)



## P. X. NOTES

Continued from Page 5.

it saves you hard earned cash and you benefit from the profits too. Whether military or military dependent, buying in your Exchange is like buying stock in your community.

**DID YOU KNOW?** AAFES is planning a 20 week survey of 12,000 randomly selected customers to examine their attitudes towards credit in AAFES exchanges, and whether they would use it. (Ladies and gentlemen form your opinions.)

After a year of operating motion

picture theaters, AAFES has EXCEEDED originally forecast savings goals, despite significant attendance drop and decrease in net earnings (commercial theaters experienced same attendance drop).

Make a note on your calendar that the Main Exchange and 4-Seasons will be closed on 26 January for inventory. The remainder of the retail outlets will be taking inventory also, but will only reduce their normal operating hours in order to provide us with service and accomplish the inventory too. Look for notices as you shop, for specific operating hours during this time of inventory.

## SUPER TIME HAD BY ALL

Continued from Page 2.

Gene Murray, Steve Steward and Kevin Carrigan. Congratulations Carto, you did it right again!! Everyone had a fabulous time and we're looking forward to a productive and prosperous New Year - and of course, our next party!!

**Join the Payroll Savings Plan.**  
Take stock in America.

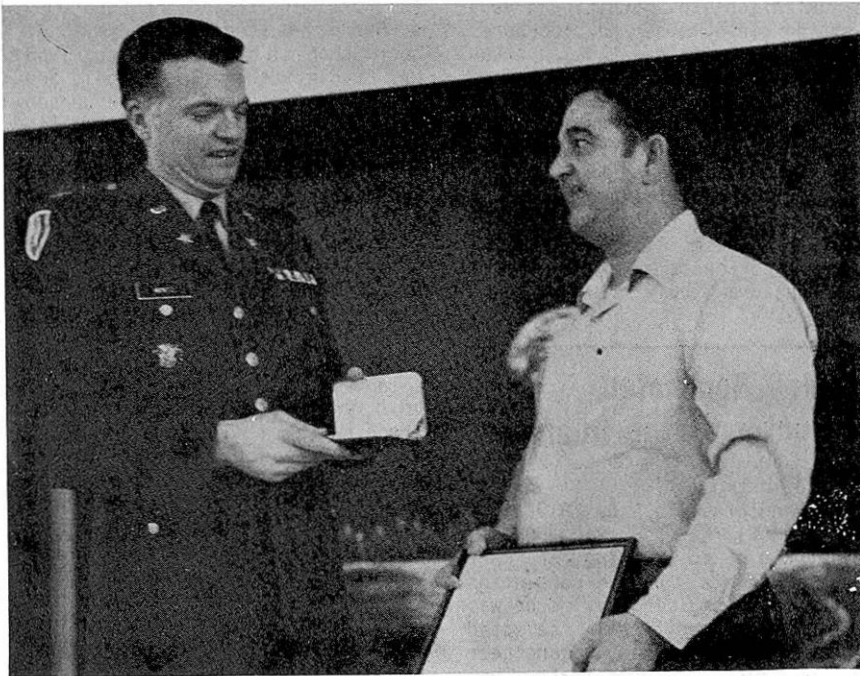
# CONTOUR

VOLUME 4 NO. 2

DEFENSE MAPPING SCHOOL

28 JANUARY 1977

## Andrew D. Bradley Nominated Instructor of the 4th Quarter



Mr. Bradley receives his Certificate and a gold pen and pencil set from COL Wintz.

by Tom Green

Mr. Andrew D. Bradley of the Optical Survey Instrument Repair Division, was nominated to represent the Department of Survey as Instructor of the Quarter and was further honored by being selected from approximately twelve nominees as the Instructor of the Quarter, Defense Mapping School by the Director, COL Wintz, 14 January 1977.

Mr. Bradley, "Brad" for short, is one of the civilian senior instructors assigned to the Optical Survey Instrument Repair Division, Department of Survey. The job descriptions of all instructor personnel assigned to OSIR contains a

phrase — AND OTHER DUTIES AS DIRECTED — which allows latitude for further development in related areas. Brad volunteered for additional duty with Department of Survey, Maintenance Support Section which he operates as "The Person in Charge" when not instructing. He has tackled this secondary job with the same enthusiasm, competence and professionalism he shows on the platform. An example of Mr. Bradley's dedication to duty and tact in dealing with people can best be depicted by the following conversation that took place between him and the Director, COL Wintz:

COL WINTZ: Mr. Bradley do you

have a Wild T-3 Theodolite that I can borrow for a couple of days?

BRAD: Yes sir, all I have on the shelf there are ready to go, and here is a DA Form 2062 that goes with the instrument of your choice.

COL WINTZ: You mean that you're going to have the Director of DMS sign for an instrument before he can take it out.

BRAD: Oh! No sir, I'm not, but my supervisor did say everyone would sign for any and all equipment before it leaves this room.

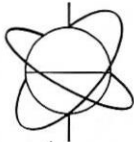
COL WINTZ: (with that dry half smile, that we at DMS all know): Okay Mr. Bradley that's the way it should be. I'll be happy to sign  
Continued on page 2.

## GYSGT WILLIAMS RECEIVES LETTER OF APPRECIATION



GYSGT Ernest Williams of the Offset Printing Division, Graphic Arts Department recently received a Letter of Appreciation from COL Donald E. Clark of the US Army Communication Command, Washington, D.C.

Gunny Williams was cited for his outstanding performance of duty in the training of personnel from the Communication Command in offset duplicator operation. The letter was presented by Mr. McCullough, Chief, Department of Graphic Arts on 4 January 1977.



from the  
**DIRECTOR**

COL Wintz is on leave, his column will resume when he returns.

## INSTRUCTOR'S NOTEBOOK

by Dick Christ

The Southern Association of Colleges and Schools held their annual meeting in Atlanta during the period of 13-15 December. As a voting delegate from DMS I was privileged to attend the various meetings and workshops conducted by the Association. Several thousand school administrators and personnel were gathered together at several area hotels. In addition to participating in several interesting discussions on educational problems and philosophies the overall experience was inspirationally rewarding because the entire event was caused by a voluntary commitment to quality education. The Association exists because the individual members are concerned with improving the programs and procedures at their schools. By banding together, establishing standards, adhering to these standards, and opening their operation to the evaluation of visiting teams of other member institutions, the overall quality of education is being raised. With the realization of the effort expended on our self-study and first annual report fresh in my memory, one begins to appreciate the depth of dedication the members have toward quality education. Although DMS is on a five year cycle for self-study, accreditation is reaffirmed yearly through an evaluation of the required annual report by the execu-

tive committee of the Association. The DMS staff and faculty can be justly proud of the new certificate for 1977, which was awarded during one of the business meetings.

During October and November a number of DMS personnel were notified by the Association that it would be to their advantage to attend a workshop for prospective Visiting Team members. Since such a large number of people could not attend the Atlanta session, Mr. Howard Shaw of the Construction Drafting Division attended and collected all of the published materials distributed during the workshop. Additionally he made an audio recording of the actual proceedings. He is prepared to brief any DMS personnel who may receive an invitation to participate as a Visiting Team member on procedures and responsibilities. The opportunity to visit other schools who operate teaching programs in fields similar to those of DMS is one of the benefits derived from association membership. Seeing "how the other fellow does it" is a valuable source of ideas to improve our own programs. These along with many other experiences made the Atlanta conference a truly rewarding experience.

### Bradley Nominated Instructor of the Quarter

Continued from page 1.

for the instrument.

Brad entered the Army 29 October 1949 at El Paso, Texas, and received his basic training at Fort Ord, California. Before completion of the basic training period he was tested and specifically selected for assignment to the 542d Engineer Company, 30th Engineer Battalion, Fort Winfield Scott, California. As initiation into the survey field he was sent to Alaska three times and three times TDY to parts of southern California before receiving orders in 1953 assigning him to the 29th Engineer Company, Korea — The land of the Morning Calm. Before returning to Fort Scott in 1956, where he was discharged from military service, he saw duty in Japan

and Thailand.

Immediately upon separation from the Service Brad headed for Larimore, North Dakota and the girl he had left behind. He married this girl — Miss Connie Loy Kanutson — March 30, 1957.

Having had a taste of Army life and getting the girl of his choice, to be his lawful wedded wife, Brad decided to, "Eat his cake and have it too," thereby applying for active military duty once again. May 1957 found Brad headed to an assignment to the 656th Engineer Topographic Battalion in Schwetzingen, Germany. As a member of the 656th he participated in Operation Boot in Italy and recovered and re-established Trig Points throughout West Germany.

In December 1961 Brad showed up at Fort Belvoir and the Department of Survey, United States Army Engineer School. From 1961 to 1963, Mr. Bradley taught Topographic Survey to enlisted and officer personnel of the United States and Allied countries.

In 1963 he was sent to Libya and Iran but was reassigned to Fort Belvoir, Virginia, in 1964 where he remained as an instructor and NCOIC of Survey Division until 1967.

1967 found Brad back in Stuttgart, Germany, with the 320th Engineers as Survey Platoon Sergeant and First Sergeant.

In 1969 he returned to Fort Belvoir and the Department of Survey where he asked to be trained in the Optical Survey Instrument Repair, 41B20 Course. Mr. Bradley retired in March of 1971 after a colorful military career in the Topographic field.

However, complete separation from the military and the ole faces that he once knew was short lived, for he applied and received employment as a Training Instructor, Optical Survey Instrument Repair, April 1973.

He now resides on Illinois Road, Woodbridge, Virginia, with his wife Connie, his daughter, 6 year old Tracey and son Alan, 3 years old.

We here at the Defense Mapping School, and particularly the Optical Survey Instrument Repair Division, are proud to have as part of the team a person of Brad's caliber. To him we say thanks and congratulations for a job well done.

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Address all communication to:

Editor, Contour, Defense Mapping School, Fort Belvoir, VA 22060  
Director: COL Edward K. Wintz  
Editor: Cathy McCloskey

*Last Minute Reminder.....*

*The next Contour will be distributed on 11 Feb, deadline for articles is noon 2 February.*

*The deadline for articles in the 25 February Contour is 15 February.*

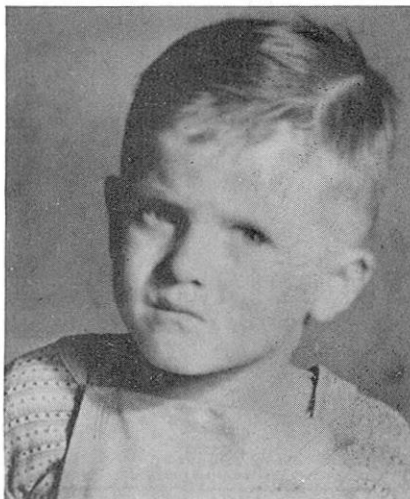


## MYSTERY PERSON



Going back pretty far, this wee  
poil  
Reigned "topo" as adult and  
goil  
Ever cheerful on our mill  
Each Contour, her skill  
Really, her father is "royal"

ANSWER TO 14 JANUARY  
MYSTERY PERSON



Although our Mystery Person in the last issue of the *Contour* was mistaken for Gary Gilmore, we the staff of the Photolithography Div would like to clarify this obvious oversight and correctly identify our Mystery Person as SSG Derald Lawson - and he belongs to us. He is the father of four girls, Tracy Anne, Angela Carol, Leslie Evon and congratulations to the most recent addition to the Lawson family, five week old Beverly Lynn.

## A TRANSITION MASTER SERGEANT WAYNE C. BATTS UNITED STATES AIR FORCE

by Myles J. Mulholland

Master Sergeant Wayne C. Batts first came to my attention in 1948 when he was enrolled in the Photo-mapping Course in Bagley Hall and was a newly recruited Airman. I taught him Trimetrogon Mapping and the operation of the Stereocomparagraph and when he graduated I thought it would be the last that I would ever see of him since he was Air Force and I was Army.

But I did see him again during the Korean War and he was in a Technical Reconnaissance Squadron in Japan just outside Tokyo and doing his thing in support of air operations in Korea. About twenty years later he turned up at the Defense Mapping School as an instructor in



Continued on page 4.

### "What To Do When You Damage Your Theodolite"

*The Contour in its continuing effort to manufacture silk purses, brings this item of historical interest to all interested DMS'ers (it's nice to know that no matter how radically things change, people remain people):*

"If the novice should have the misfortune to break any material portion of his theodolite, so as to render it ABSOLUTELY USELESS the following plan will be found useful: Do not imagine that such a case is improbable, on the contrary, the most careful surveyor, especially if he is a heavy man, is apt to break through the lid of his theodolite box in using it for a seat. In this case, serious injury nearly always ensues. Or again, with the beginner especially, in his zeal to be in time for dinner, the young surveyor may happen to force down the lid of the box whilst the instrument is not in its proper place. Such accidents are unavoidable, but as they are usually attended with unpleasant consequences, the following rule may be found of use:

"Having satisfied yourself that the instrument is thoroughly disabled, no further harm can be done to it; and much benefit may accrue to yourself by carefully selecting the most reckless of the boat's crew to carry the theodolite down the hill to the boat. Then the rest is easy; anyone who has a taste for surveying can imagine what happens. Offer a reward of a glass of grog to the first man down in the boat, and it naturally follows that the seaman encumbered with the theodolite can scarcely fail to fall over a stone or two, or better still, into some pit or crevice or hole in the rocks. The man is scarcely likely to be injured, but the fall will sufficiently account for the damage done to the instrument, which damage it will indeed most probably increase. There is, to be sure, some risk of discovery; yet we must run some risks in the naval profession, and it is at least better to do so than to incur the certainty of having to pay ten pounds or more for the repair of the damaged theodolite."

*From The Bogus Surveyor, or a Short History of a Peculiar People. Written and published anonymously by a young British Surveying Officer in 1887 under the pen-name of "Whitewash".*

# The Black Experience—America 3rd Century



## MSgt Wayne C. Batts

Continued from page 3.

those courses that were dedicated to US Air Force requirements. He was senior to the other US Air Force instructors by virtue not only of his rank but also, by then, well over twenty years service.

Well, he's gone now, retired, with 27 years service and all of it spent in charting and mapping and

some of it spent right here at the Defense Mapping School teaching other up and coming Airmen what he had done most of his adult life.

But the story doesn't end there, no indeed. He is making a transition from military mapping to civilian mapping for an engineering firm in Washington, D.C. that has a very lucrative contract with the Health Education and Welfare Department of the US Government. You might think that after 27 years he

might have sought lush pastures of leisure and just sit back and rock without caring whether the fish were biting or not. No, he is right back in the saddle doing again what he did most of his life and worrying about how he can find a tax shelter from the IRS.

Seriously, though, we at the Defense Mapping School wish Wayne as much success at his new undertaking as he enjoyed during his 27 years of military mapping and charting.

# CONTOUR

VOLUME 4 NO. 3

DEFENSE MAPPING SCHOOL

11 FEBRUARY 1977

## Employee Training and Development Program

by Carla Davis

Thinking of your future at DMS? Are you planning now, setting your goal, and preparing for the training you will need to meet your goal? Do you need specific training to increase your present level of performance, or to perform in

positions of greater responsibility? If any of these questions apply to you, then we suggest you become familiar with the Employee Training and Development Program.

A DMS Instruction will be put into effect soon concerning all civilian employees in regard to the implementation of a training and development program. OAR will be responsible for implementing and maintaining this program.

Some of the key points of the forthcoming DMS Instruction are:

a. Training at Government expense and on duty time must meet the following requirements:

(1) Be job related in accordance with the current individual career series and position description.

(2) Be required for development of individuals in their career field.

(3) Be of benefit to individual's development and required for the conduct of government busi-

ness.

(4) Be evaluated and approved by your supervisor.

b. Temporary employees are not authorized training.

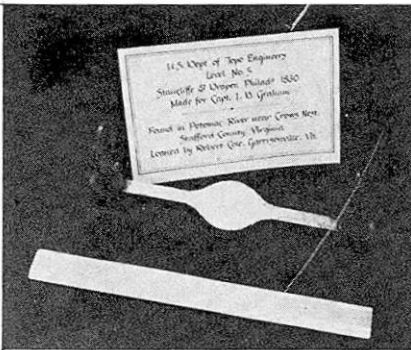
c. New employees are prohibited from training outside DMS during first year of employment.

d. Training over 80 hours requires an employee to sign a statement agreeing to serve the organization upon completion of course for a period of 3 times the length of the course.

e. Long-term training may or may not be PCS directed. PCS versus TDY - the most economic prevails.

During June of each year a survey will be conducted for all employees to determine what training requirements will be needed for the following year to ensure the continuation of a capable and qualified work force and the further development of an individual's career. Continued on Page 7.

### PROOF POSITIVE

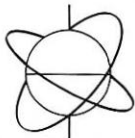


It seems that history repeats itself. In our last issue we reprinted an excerpt from the "Bogus Surveyor." Since then, Mr. John Connors unearthed a relic from the past which seems to indicate that the practice of disposal of damaged surveying equipment as described by Mr. "Whitewash" was universally known even before he penned his lines. Found in the Potomac River near Crows Nest, Stafford County, Virginia, by Mr. Robert Cole, was this brass housing of a military level. It bears the inscription, U.S. Dept of Topo Engineers, Level No. 5, Stancliffe & Draper, Philada 1830, made for Capt I. D. Graham." Mr. Cole was kind enough to loan this find to us; it is now on display in the center entrance to Bagley Hall.

Considering the fact that surveyors are a peculiar people we dare not to guess how that level got into the river.



Ruth Crismond and Betty Reay look over training booklets located in the main hallway in Bagley Hall.



from the  
**DIRECTOR**

What started out as a routine five day leave on the week of 17 January was suddenly expanded in both time and effort when Jan had to go to California due to the death of her mother. I stayed home and, with the help of Swanson's and Gino's, took care of the boys. This effort was greatly aided by the very generous culinary contributions of some of the DMS wives. All of the Wintzes (particularly the boys) really appreciated the help, although it did bring up some embarrassing questions ("Gee, Dad, how come we never get dessert when you cook?"). Again, thanks. Also, thanks for the flowers and thoughtful assistance in filling in for me while I was gone.

I have been trying to catch up by reading the last issue of the Contour. The front page causes some

doubt as to the wisdom of this technique; it is an outright lie and prevarication that Mr. Bradley made me sign for a T-3 theodolite. Such fabrications weaken both the School and the Director; neither he nor I would do such a thing. Besides, it was a target set and he made me replace the batteries.

Interesting side note on the target set: We used them at the front door when Bill Sprinsky, Wes McMillan and I had our promotion party. As a carto Warrant came in, he was heard to exclaim, "Whut our them?"

The theodolite theme is carried on at page 3, right next to SSG Lawson's Mystery Person picture (who looks as if he's just been told the repro WO field is opening up and all he need do is apply). The British technique for handling instrument damage is not unknown to U.S. military units. I've heard of one H-1 helicopter which made a hard landing and destroyed over 8000 pounds of survey gear it had on board. Incidentally, page 3 also has the cinchiest new Mystery Person we've had yet, and the worst rhyme: "poil" and "goil?" Good grief! I'm back just in time!

# INSTRUCTOR'S NOTEBOOK

by Dick Christ

I had a rather peculiar thought while attending a USAES Library Committee meeting last week. For the past eight years, while serving in three different organizations I was the designated representative to the Library Committee. The purpose of this group is to provide direction for the operation of the library. One of the routine tasks performed by the committee is to review and approve the lists of requested new books. The lists usually run for several pages and represent an expenditure in the neighborhood of a thousand dollars. The committee performs this function several times a year. When reflecting back over eight years of this type of activity one begins to recognize the scope of the holdings in the library collection. The USAES Library is a rather unique institution. First, it represents a first class technical library in a variety of technical disciplines. The format of its holdings extend beyond normal print materials into an extensive collection of microfilm and microfiche and still further into a respectable selection of non-print materials in the form of audio and video tapes. Now, the peculiar thought; why, with this wealth of materials readily accessible, do so few people avail themselves of this facility?

## From The Lighthouse



The first month of our new calendar year has already past and it seems that Betty has my calendar full of events and meetings that range from the Alpha ( $\alpha$ ) to Omega ( $\omega$ ) in the Analytical Photogrammetry Course which we are teaching to TC people and on to a Masters Degree Program we are setting up with the George Washington University. Talking with other staffers and Technical Directors at our sister Components, reveals their calendars are also equally crowded and confused. Maybe people are keeping warm during this cold spell by harder work. In any case I ran on to some interesting reading last week that reminded me that our calendar has been confused for centuries. Of course our geodetic astronomers in Major Herring's Survey Department have this "info" in their hip pocket, but we mortals who do not scan the celestial sphere with their frequency may be interested in a re-run on how our

present calendar was formed. Did you know that because our calendar is based on the movements of the sun and moon, we're never quite sure what day it is? That's because the length of the year is not exactly 365 days. The exact length is more like 365 days, 6 hours, 11 minutes and 14 seconds. This has caused quite a few problems which plague us to this day.

It all started back in 46 B.C. when Julius Caesar decreed that the Julian Calendar would be 365½ days long. These partial days added up to an extra day every four years (leap year) in order to keep the calendar precise. There was only one problem, the actual year is 11 minutes and 14 seconds longer than Julius thought it was. This was discovered by an Anglo-Saxon Monk (not our former Director) in 730 A.D.

By 1582, the calendar had "slipped" ten days and Pope Gregory VIII decreed that something must be done. He decided that October 4, 1582, would become October 14, 1582, to make up for the slippage. Then to accommodate for the 11 minutes and 14 seconds that kept creeping up, he declared that every leap year ending in double zero (1600, 2000, 2400) would not have the additional day inserted. That is, it wouldn't be a leap year. This was done to prevent the gain of one day every 128 years.

*Last Minute Reminder.....*

*The next Contour will be distributed on 25 Feb, deadline for articles is 15 February.*

*The deadline for articles in the 11 March Contour is 1 March.*

The Defense Mapping School Contour is an authorized Newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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Editor, Contour, Defense Mapping School, Ft Belvoir, VA 22060  
Director: COL Edward K. Wintz  
Editor: Cathy McCloskey



by SGM Bill Locke

I've written so much lately about the Exchange and how it supports us, I thought it was time to tell you something about the people who work there. Too often I suppose, we think of only the main store when we speak or hear the term "PX". There's a lot more to the system though when you stop to count, e.g., Foodland, Cafeteria (with all the isolated Snack Bars and Snack Wagons), Sewing Center, Service Station, Four-Seasons, etc. Then of course, there are all the concessions which are PX controlled.

Who can work at the PX? Well, just about anyone, so long as they are 16 years of age or older. AAFES has an upward mobility program that begins for most new employees at Grade 1. I was told by Barbara Tichenor, Personnel Clerk at the Belvoir Exchange, that once in a while someone may start at Grade 2, for example, someone who has experience as a cashier/checker. Each grade has 5 steps and the system generally goes to Grade 7 (exceptions are too involved to cover here).

Locally, the majority of employees are military dependents. Most of the management jobs of course are a bit difficult for dependents as those positions really require a more "need to know where I'm going to be tomorrow" type person. As you might expect, employee turnover depends on season of the year and is driven in part by military PCS's, which we all know are also a bit "seasonal".

Management positions fall into two categories, mobile and non-mobile. Normally a mobile manager rotates between assignments every two to three years. A promotion of course could require an earlier move. Obviously non-mobile managers know they will be staying on

in one assignment and promotion is probably a bit more difficult because she/he has chosen not to move and consequently can't go where the vacancy might exist.

Interested in a job with AAFES? You need only to go to Building 706 and make application. They may not be hiring at the moment (I didn't ask) but, there's probably a waiting list. It certainly requires a willingness and an ability to deal with all kinds of folks on a daily basis, and the hours aren't always fantastic, but the work can be satisfying.

In the next column (25 February), I'll talk about employee training programs.

**DID YOU KNOW?** The Fort Lewis-McChord AAFES exchange is the biggest in terms of sales, posting \$2.5 million per month during FY76.

Our own Capital Exchange Region posted \$306 million in sales for FY 76.

That AAFES potential customer strength worldwide is 6,586,000.

That there is an AAFES contingency plan to take over Commissary Stores. It's progressed to the point that on the word "go," it could be a reality in six months.

**NOTE:** Valentines Day is February 14. Your Exchange will be having some "Specials" so that you might be able to treat your special someone to a lovers day surprise. Shop your Exchange, it makes cents.

## DMS RECEIVES VISIT FROM TRADOC CSM



Late last year, DMS was happy to receive a visit by CSM John F. Lavoie, the TRADOC Command Sergeant

Major. He visited all the teaching departments, escorted by SGM Harris, where he was met and briefed by each of the NCOICs.

The objective of his visit was to familiarize himself with the map making process. He was very interested in the classes and instruction he saw and asked a lot of questions - in fact, given more time, MSG Sutton and MSG Hester would have qualified him as a Draftsman or Pressman!

Unfortunately, CSM Lavoie's schedule did not permit him to spend as much time here as he would have liked, but he did promise to return during his next Fort Belvoir visit.

## GAD SAYS GOOD-BYE TO MR. K



Graphic Arts Department bid Chief Kallagis a fond farewell at a party held at the Rod and Gun Club on January 26. Mr. K. retired on January 31st after twenty memorable years of Army service. Bob began his Army career in 1956 with subsequent tours in Japan, Germany and Viet Nam. Earlier in the week at ceremonies held at Bagley Hall, Mr. McCullough, Chief, GAD, presented Bob with a well deserved Joint Service Commendation Medal.

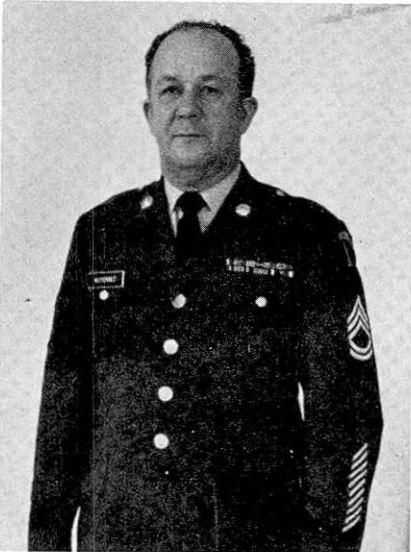
What will Mr. K. do with all his free time? To quote the Chief, "I plan to play a little golf and learn to find my way around the house once again." Bob, whatever you do, we here at DMS and in particular the Photolith Division, wish you all the luck in the world.

## HIGHLIGHTS OF A RETIRING MILITARY PHOTOLITHOGRAPHER

Twenty-eight years and four months ago, to be exact, it was October 1948, Jose Luis Guterrez started his career in the U.S. Army.

After completion of Basic Training at Ft Dix, he was assigned to Occupation duty with the Post Engineer in Heidelberg, Germany for two years. In early 1951 he returned stateside to his first love, printing. As a Multilith Operator printing documents for the Hq Commandant at Camp Kilmer, N.J., he soon learned that quality printing was a must.

Since that time, there have been numerous printing assignments to



include 4 tours in Germany, 2 in Korea and such stateside garden spots as Pennsylvania, North Carolina and Fort Belvoir.

Finally, in July of 1976 SFC Gutierrez again returned to Fort Belvoir to the Reproduction Equipment Repair Division, Department of Graphic Arts, for his final tour of duty, during which time he learned the maintenance and repair end of the photolithographic equipment. In fact, he is possibly the only NCO in the U.S. Army, in the printing field, that has attended all courses taught in Graphic Arts here at DMS.

With such a well rounded background in lithography, coupled with a fine personality and attitude, we are sure he will succeed in the lithographic field in civilian life. Good luck Jose.

## Former DMS Dolly Receives THE Invitation!!

by Cathy McCloskey

Judy Ethridge, formerly of PRT, and whom we always knew was going places — REALLY WENT! Judy received an invitation to the Inaugural. She called me just as soon as she opened the envelope and saw what it contained. For about 45 minutes, we traded incoherent comments, as well as assorted giggles and squeals. It was days before I could get her to talk properly again. That "Mona Lisa" smile you see in the picture has been there since that fateful day.

Well, it's all over now, although I'm sure it will be years before Judy recovers. Come on girl, it's back to the books (she graduates this June from George Washington University with a degree in Journalism) and back to the job-hunting (yes, friends, she's checking the Want-Ads again). Lots of luck Judy, your friends at DMS think of you and wish you well, innnnn addition



to all those congratulations for receiving one of this years INvitations!

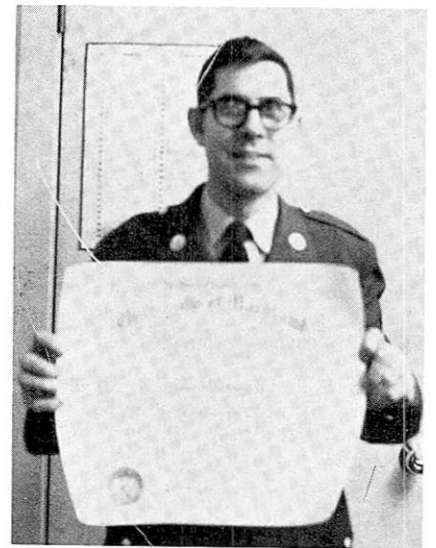
## OBS Says Happy Birthday



by Elia Burke

Now that our Judy Smith is involved with "higher finances" (not the family checkbook but DMS budgeting), she managed to lose count of her cumulative birthday years. To simplify things, which is the motto of all the wonderful budget people, we celebrated Judy's birthday this month with only one candle, for one more great year of devoted work to the budget and DMS. **HAPPY BIRTHDAY JUDY!**

## MSG Monton Receives Degree



Congratulations to MSG Donald Monton, who recently received his B.S. Degree in Business Management from the University of Maryland.

Don began his degree program in 1958 and continued to pursue his educational goal in spite of various military assignments both overseas and stateside. He is currently an Instructor in the Mapping, Charting Division, Department of Topographic Sciences.

# TRAINING THE TRAINER

by Dale Anderson

Newly assigned faculty members of the Graphic Arts Department are not only required to successfully complete the Engineer School's Instructor Training Course, but also to successfully complete the course of instruction in the discipline they will be teaching over the next three years. Most assigned members have completed those courses before arriving here as faculty members so they begin instructional duties earlier. An example of GAD's instructor preparatory work is what

SFC Don Cronin had to go through to insure he was adequately prepared to teach multilith offset duplicator repair. Since the Reproduction Branch has the unique distinction of making the most out of junk, SFC Cronin needed to accomplish that feat.

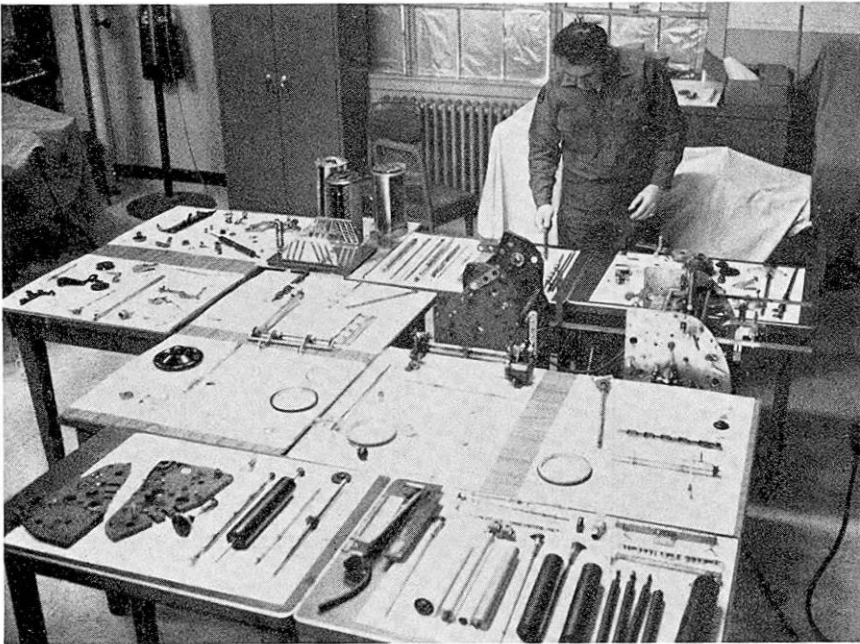
Do not become alarmed at the spelling of the word junk (junk) - it alerts the repair people that an item of equipment, no longer of any practical use to others, becomes a challenging vision to them. At the School these rebuilt items are part of a training project for

regular students and uninitiated training instructors.

The multilith repair phase represents about one quarter of the entire Reproduction Equipment Repair Course. The 1250 multilith duplicator is the most common type of duplicator found in the government inventory. DMS usually locates the 1250 duplicators in the property disposal areas exactly the way the operator left them - that is with the plate, blanket and ink remaining on the press. The dampening system would also be wet except the fluid usually evaporates before arrival at DMS. Here the Reproduction Equipment Repair elves start the reconditioning process by systematically stripping the press to the bare frame and cleaning all the parts, including the frame.

After thorough inspection of all parts, any showing advanced signs of wear or breakage are replaced. The 1250s are then reassembled, adjusted, timed and test operated. Most replacement parts for these presses come from other duplicators found beyond the point of economical repair. To date, 7 duplicators have been rebuilt in the Reproduction Equipment Repair Division and 2 in the Offset Printing Division, making a total of 9 of these little giants rebuilt by students and faculty of GAD.

GAD does not limit itself to obtaining only duplicators for possible repair or rebuilding, they have reconditioned two 30" Harris offset presses and a large power paper cutter, obtained from DOD Excess Equipment lists. Equipment received from these lists are usually in better condition, needing only minor repairs.

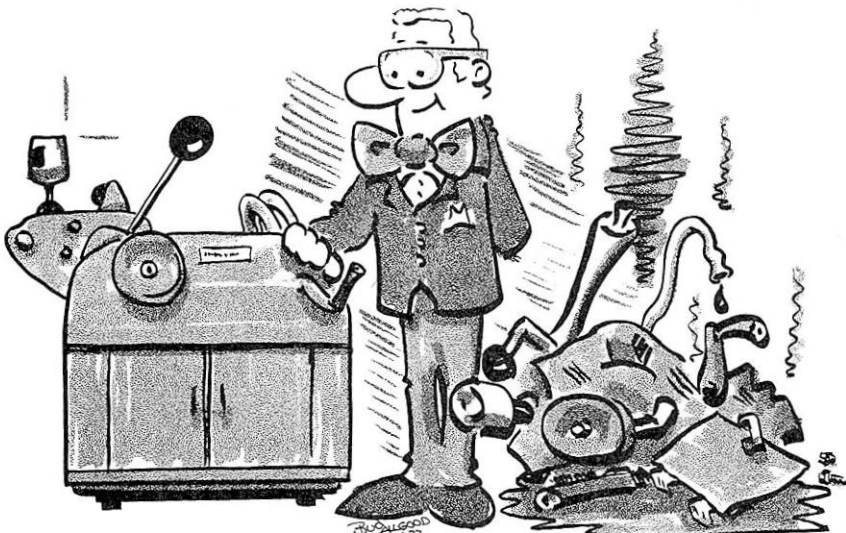


SFC Cronin and approximately 200 pieces of the A&M Multilith 1250 press.

## ANSWER TO 28 JAN MYSTERY PERSON



Take the first letter of each line to get her name. If you still can't figure it out, check with PPO, but it will cost you a penny.



## DMS SAYS FAIRWELL



On 31 January CPT John E. LaSala, former CO of Company A, 3d Bn, received a DMS plaque from COL Wintz. The gift was presented in appreciation of the outstanding support provided by CPT LaSala and Company A to our students. DMS wishes him luck and continued success in his new assignment.



### Give Blood:

In a way you are especially suited for donating blood. Your body discards old blood and manufactures new blood all the time. The blood you give - less than a pint - is replaced quickly.

Take Blood: It imparts life —

- Red cells during surgery.
- Serum albumin for accident victims.
- Gamma globulin for infectious diseases.
- Platelets for some bleeding problems.

### Give Blood:

When you do, you'll find out what type you are. Figures sometimes vary, but of any 100 people you might be one of the 45 who have group O blood,

or  
one of the 41 who have group A blood.

or  
one of the 10 people who have Group B blood.

or  
one of the 4 who have group AB blood.

Of those 100 people only 15 will be Rh negative.

Blood groups are inherited, and you may even have rare blood. There are hundreds of millions of blood factor combinations. Scientists say blood may be as individual as fingerprints.

Let some of your individuality work for the good of the whole. Support the DMS Blood Donor Program.

## GAD Instructors Receive Certificates



First Row (L to R): SFC Carpenter, SFC Cronin, Mr. Henderson  
Top Row (L to R): SSG Walters, SFC Roberts, SFC Eveland, Mr. Lundmark

by Bill Sutton  
—No, this is not a police line-up, although it does bear a resemblance. This group of people were cited for accomplishing individual training in their own skill specialties. Receiving Certificates of Equivalent Knowledge in the 83F MOS, Offset Printing, were SFC Grant Carpenter, SFC Karl Abt, who escaped the line-up, and Mr. Russell Henderson.

In order to improve on the train-

ing capabilities required on MTT's and RTA's, instructors in the Graphic Arts Department received eighty hours of training on the ATF Chief 29 Offset Press and were awarded Certificates of Attendance. Certificates were awarded to SFC Grant Carpenter, SFC Glenn Eveland, Mr. Charles Lundmark, SSG Donald Walters, SFC Donald Cronin, SFC Donald Roberts and SSG Johnson who was not present at the ceremony.

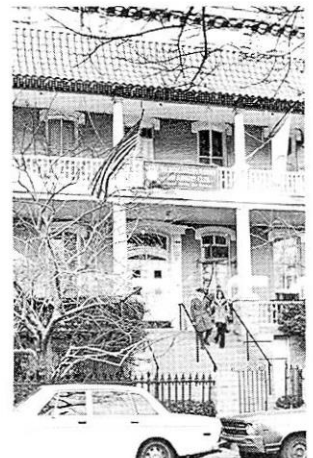
## Bargain Rates Await Enlisted Tourists in D.C.

*For approximately \$10 a day, enlisted personnel of all Services visiting the Nation's capital can have lodging and meals in a private club in the heart of Washington, D.C.*

The Soldiers, Sailors, Marines and Airmen's (SSMA) Club offers first class semi-private and private rooms for \$5 and \$6, a recreation center, library, and canteen that serves meals and snacks at budget prices. Moreover, the downtown location is only minutes away by foot or bus from the monuments, museums, theaters, discos and restaurants.

Open 24 hours a day, seven days a week, the SSMA Club is available on an overnight, weekend or extended visit basis. The only membership credential is the Servicemember's ID card.

Reservations are required for large groups and encouraged for individuals and small groups. For additional information or reservations, write to Mrs. William H. Beard, Club Director, SSMA Club, 1015 L Street, N.W., Washington, D.C. 20001, or call (202) 234-0141.



The architectually unique SSMA building provides a great base of operations for seeing the sights of the Nation's capital.



# TC AIDS CARTO

by W01 H. Kressler

The Department of Cartography, Carto/Comp Div and even more so, the personnel instructing the photogrammetric compilation course, are very grateful to: Mr. Gregory, Mr. Mulelller, Mr. Hollow, Mr. Wilt and Mr. Boyd, maintenance personnel from DMATC.

Over the last eight months these maintenance experts have resolved mechanical, electrical and optical problems on various high precision stereo compilation and support equipment.

This equipment repair contract was coordinated by CW4 Swarthout who has since been assigned to the 652d Bn (T), Hawaii. Through this request the Department of Cartography is now able to obtain maintenance of this nature within 24 hours. These recent repairs made operable approximately \$319,000 worth of equipment. Thank you men and DMATC.



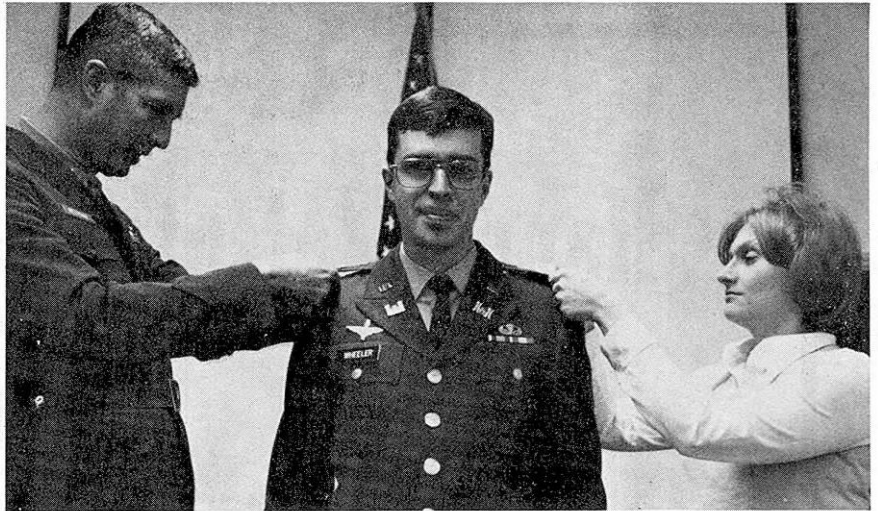
(Mr. Gregory, DMATC Electronic Branch, working on the SFOM. (Mr. Mulelller, Mr. Hollow, Mr. Wilt and Mr. Boyd were not available at the time this picture was taken.)

## EMPLOYEE TRAINING AND DEVELOPMENT PROGRAM

Continued from Page 1.

(Example: Survey conducted Jun 77 will be for FY 79.) This survey is also necessary for our budgeting purposes.

OAR will maintain a listing of CSC courses, surrounding community college courses, and various other courses. CSC now has available a variety of correspondence courses



## PROMOTION

by Cathy McCloskey

The MC&GOC class took some time

out from its studies on the 27th of January to congratulate newly promoted classmate, CPT Daniel F. Wheeler. Lt Col Westphal, assisted by Mrs. Wheeler did the "pinning" honors.

for an individual's development in the current career field. Information on these courses may be obtained from OAR. A literature rack, containing brochures, is displayed for further information.

The following programs/courses are circulated when received: DODCI, DMET, Long-Term Training, Rotational Assignments, Executive and Management Development, Fort Belvoir Education Center, and the International Technical and Professional Society and MC&G Meetings. The DODCI and DMET Course Catalogs are maintained in OAR.

OAR is designated the focal point for administering, coordinating, and following-up on individual's request for training. All training requests will be forwarded direct to OAR for processing, coordinating, and necessary reporting. Optional 170, Request, Authorization, Agreement and Certification of Training, will be initiated for all individual training. Requesters will be notified when final action is taken on their requests.

If you haven't been thinking of your future at DMS and the opportunities that await you, now is the time to start determining what training requirements you need and what DMS will need in the future to continue to maintain the best qualified work force. When the survey is conducted in June, contact your supervisor and set up a program that will be both beneficial to you and to DMS.

## THANK YOU

by Gene Willis

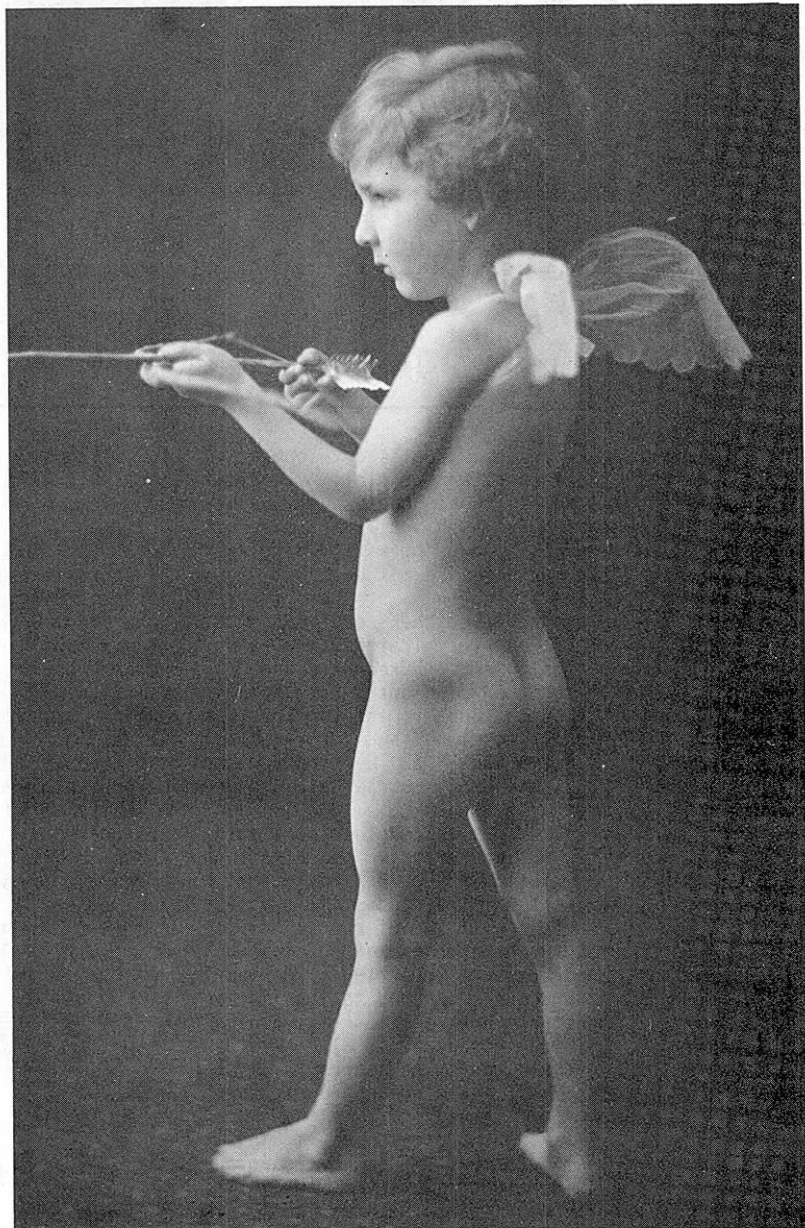
Approximately 150 to 200 pounds of clothing, shoes and miscellaneous items were donated by the "Good Samaritans" of the Defense Mapping School during the Christmas holidays.

The items were separated and given to extremely needy families in the Fort Belvoir and Woodbridge areas. I would estimate that at least 8 to 10 families, consisting of about 35 to 40 people, ranging from infants to adults, benefited from the overwhelming generosity of our DMSers.

These families wish to convey their heartfelt thanks and appreciation to the DMS people.



# Happy Valentine's Day



# CONTOUR

VOLUME 4 NO. 4

DEFENSE MAPPING SCHOOL

25 FEBRUARY 1977

## NEW FACES IN PRT

Well, they're not all new, some are old to DMS, but new to PRT. The really new face belongs to CPT(P) Charlie Buddenhagen (CPT Budd for short). Charlie comes to PRT from the Corps of Engineers (Memphis District) where he was THE Project Engineer. Accompanied by his wife, Maily, and children Lien and Donna, Charlie says he's about completed stage one of assimilation into the Metropolitan area and DMS. A Civil Engineer via New Mexico State University, our new Curriculum Requirements Coordinator has served with COL Wintz previously, although I've not heard either of them talk about it much (a story there Cathy?). So, pass the word - PRT has Budd on tap.

The "old" new faces are a result of an out of cycle (somewhere between uni and bi) JMP change. PRT is now the repository for the experts in numerous fields who once resided in PPO. For instance, Training Technician (Feedback), Technical Editor/Writer and Visual

Information Specialist are all part of THE team in the persons of Harry Hedrick, Jim Harnden and John Houchins respectively (if not respectfully). From the office of the Director, we gathered in the Educational Advisor, and from DMATC, a right hand man for John Houchins in the form of SFC Bud Allgood, which rounds out the brain trust at 10. With the new motto "There's nothing we can't do" (product might not suit you, but we can do it), we're not really sure yet what we're going to do.

For the moment, whatever you coordinated with our fine "old" newbies, should continue to be directed to them. Just try to keep in mind that PRT now holds their reins as opposed to PPO (whatever that means). As we feel our way along and set out guidelines or new policies, we'll keep you informed. Hope you're not confused by all this as we are.

In all seriousness, we see some Continued on page 5.

## DMS' "Sexy Senior Citizen" Retires



Photo by CW2 Andy Yacenda

SFC Sexton receives farewell plaque from MAJ Good.

On February 28, DMS bids farewell to yet another Charter Member, Doug Sexton. Having survived the transition from brown to black boots, Marine to Army, Fighter to Lover, Doug will change one last time to a set of cowboy boots encrusted with Continued on page 3.



Left to Right: Ed Franke, LTC Radu, Mr. Christ, TSgt Hedrick, CPT Buddenhagen, John Houchins, Mr. Harnden, SFC Allgood, Ruth Crismond and SGM Locke.



from the  
**DIRECTOR**

At this writing, we are busily preparing for DMA's first newly-formatted Component Directors' Meeting. Perhaps the best way to explain what that means is to describe the procedure that used to occur every quarter up at Headquarters, and then contrast it with the new format. I'm going into this not because of my personal participation, but because not many DMS'ers really know how our quarterly report card is submitted.

Until now, the weeks preceding the meeting were a period of intense work by the staff and faculty. PPO abstracted data from our Form 13's into a specified format called the DMA Management Information System/Production (DMIS/P), and about 15 viewgraphs were prepared by Big John. I dictated a 15-minute briefing to Marge which explained all the numbers and discussed a few items of interest. TD, Deputy, PPO, and PRT then murder-boarded my pitch, and fixes were made using additional data. OAR and OBS usually sat in for a few run-throughs, also. In the meantime, we would hold our own half-day Review and Analysis session, and the Department Chiefs and staff would fill

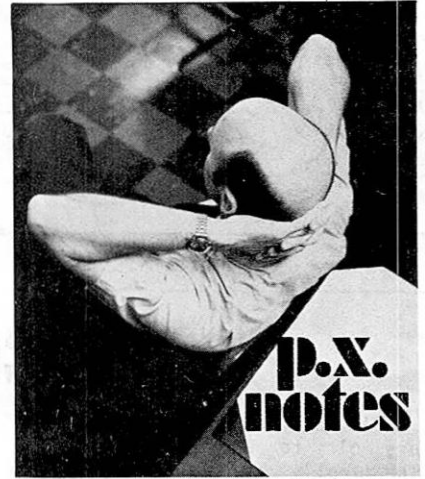
Mr. Light and myself in on what's going on in the trenches, on the flightline, at the oarlocks. Five or six rehearsals with the viewgraph operator (usually "Fingers" Sprinsky) and we were ready.

Don and I would normally show up in the DMA Conference Room slightly debilitated from the quarterly DMA get-together the night before. This event is our only time to point out the personal defects and professional failings of Messrs St Clair, Drummond, and Park to their face (COL Cordova is more available) and hear the AC TD's latest jokes (they usually involve animals, for some reason.) It's a great, loud, boisterous time.

The next morning is all business. Each of us gives our briefing to the Director, Deputy, and some 20 or 30 staff. There are usually questions, and more than once I've used (and been thankful for) some little offhanded gobet that came out of our own R&A. After the briefings, the Admiral gathers up his Component Directors and a few key staffers and fills us in on the big picture. We then go "around the horn" and unburden ourselves briefly on a shirtsleeve basis, and its over.

And the new format? Unspecified, with no briefings. We'll resume the formal meetings on a less frequent basis later, but we can't wait to see how this one works out; it's kind of like taking an open-book exam ("Yay!....I think.")

As Ear says, more juicy stuff in the next edition.

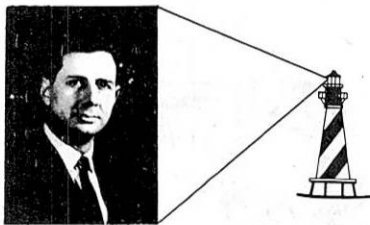


by SGM Bill Locke

As promised in the last issue, this particular column will be devoted to shedding some light on AAFES employee training. Again providing me with the "straight poop" was Mrs. Barbara Tichenor from our own Exchange.

Training falls into two categories, mandatory and voluntary. The mandatory phase begins as soon as a new employee "hires on." Presented in three phases, the first is accomplished by the folks in the Personnel Office (Barbaras' shop) and consists of a series of "TV type" presentations, personal briefings and individual reading requirements. After our new employee reaches the job area, his/her supervisor takes Continued on page 4.

## From The Lighthouse



ASP/ACSM CONVENTION

The American Society of Photogrammetry and the American Congress on Surveying and Mapping will hold their joint annual convention, February 27 - March 5, 1977 at the Washington Hilton Hotel. Mr. Ray Smart, the Convention Director and his committees have been hard at work for the past several months preparing for the big event. The timely theme - "Modern Land Data Systems," will be evident in the wide variety of technical presentations and exhibits throughout the week. Many of us here at DMS who are interested in the Army's new

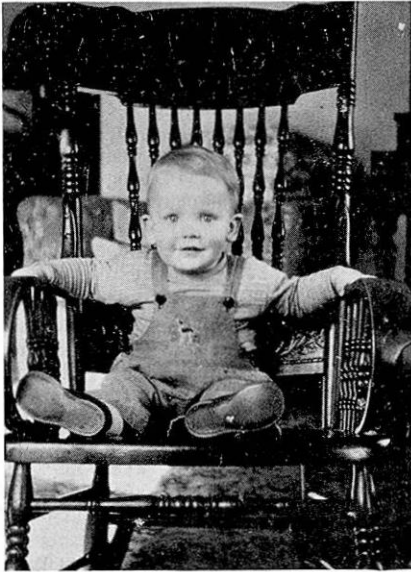
Topographic Support System (TSS) will have an opportunity to view the analytical plotters that have come on the market during the past year. My guess is that at least five of the plotters will be outputting X, Y, Zs for the numerous photogrammetrists who set down to try their hand. Ortho Photo Printers and Interactive Graphic Systems plus a variety of surveying instruments including the doppler receivers will capture the eye of any enthusiastic surveyor or mapper. Digital image processing is gaining popularity also, and a new math called "Array Algebra" will be presented in an application to terrain modeling. This new math could cause an overflow in even our best matrix munchers from the Principles of Applied Analytical Photogrammetry (PAAP) Course. In fact, that "little square" (they say, "least") that LTC Sprinsky and Claude O'Neal keep talking about in their presentations might just turn out to be a rhomboid in array algebra - Bill and Claude keep saying they are

trying to minimize the problem, but Major Joe (Analytical) Kinnan, who is taking his own Department's course, says that the amount of homework looks like they are maximizing instead. Well, bact at the Convention, another good panel session is in store on Cartographic Education. I think I will stop now and plan to catch that panel and some of the social events. Hope to see you there.

The Defense Mapping School Contour is an authorized Newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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Director: COL Edward K. Wintz  
Editor: Cathy McCloskey

## MYSTERY PERSON



And that's the truth! Psssss- No, this month's Mystery Person is not that same TV personality that appeared on Laugh-In. This individual is one of the resident civilians in DMS and can often be seen, and not to often heard, around the halls of Bagley. But on the road he is often heard on the air waves of all CB stations in the area. Always with a smile and one of the most talented individuals in GAD, he can operate, repair and write about all GAD equipment and the related products used to teach GAD students.

## ATTENTION VOLLEYBALL ENTHUSIASTS



A DMS Volleyball team is forming! Co-petition will be in the Ft Belvoir League beginning in March.

Interested players should contact CPT Tom Baybrook, (TSD), 43972.

## ALL POWER TO THE MAPPERS!

On 9 February 1977, disaster struck a small group of personnel from the Defense Systems Management College (DSMC). Disaster, in the form of a purple hurricane — the mighty DMS basketball team — stunned the huge crowd gathered at Wells Field House. With Olympic-like precision, the DMSers destroyed the vaunted DSMC offense and defense. It was such a team effort, it is hard to pick out a most valuable player. Certainly, Bullseye Baird's accurate shots were instrumental in frustrating the opposition's defense. Other DMSers who contributed to the rout were: Hop-along Hey, Sureshot Sigmon, Wild-legs Westphal, Guiding Light, Meandering Murray, Killer Keller and Bouncer Baybrook. Marvelous Maxwell (player-coach) and Rover Kinnan (team mascot — sans chain) worked feverishly to provide "mix and match" uniforms which were the height of style. These uniforms added to the confusion of the enemy and to DMS as well. From the opening "kick-off," DMS controlled the ball and used superior bench strength to overwhelm DSMC's nice, but ineffectual old men. The "medium point" of DSMC's offense ("high point" is a term reserved for winners) was Jim Crissman, aided by "always-on-time" Clark and the other DSMCers, he had limited success in a losing effort. At the end of the game, the color of the



DSMCers shirts matched their mood (no, it was not brown) and there was great rejoicing in Mapping Land. Our thanks to the scorekeeper Addled Austin and Referee Pay-Me Painter (both provided by DMS) for their efforts on our behalf.

## "Sexy Senior Citizen"

Continued from page 1.

Texas "dirt." Fort Belvoir's Rod and Gun Club is bracing itself for the pending deficit but they did manage to alert its sister club at Fort Hood, Texas that Doug will be residing in the area. Also, they have posted a notice that fishing will be excellent in Virginia's waters again!

To summarize a 20-year career in the Doug Sexton style, void of banners and fan-fare, it consisted of the usual amount of moves and an assortment of jobs. Left behind with each move were his share, plus one or two extra sets, of shoes that were scuffed on the "top of the toes." When asked about this, he'll tell you he'd never want someone to feel slighted. If others were "half-stepping" he'd take up the slack! He'll tell you in a minute, "At my last duty station, I think I made at least one friend, but then again, I don't rightly know." Those of us who

have worked with him admit he's always had a problem with "figures." At a recent farewell luncheon in his honor, the largest turnout ever, indicates Doug made more than "one" at DMS.

To the instructors who will be showing the movie, "The Map Making Process," Doug wants a change in their lesson plans. "When I'm on the screen, don't forget to point out that the "Sexy Senior Citizen" is riding herd with a fishing pole mighty close to the border."

Douglas, we wish you well in your endeavors. Our loss is certainly Texas' gain. On March 1st, Texas may once again reclaim its title, "The Largest, Greatest State In Our Nation." Adios and Good Luck!

LAST MINUTE REMINDER.....

The next Contour will be distributed on 11 March, deadline for articles is 1 March.

The deadline for articles in the 25 March Contour is 15 March.

## DMS SAYS GOODBYE



CW3 Lonnie Parker recently received the Joint Commendation Medal from Lt Col Westphal for outstanding service while stationed at DMS from Nov 73 - Feb 77. CW3 Parker has left for his new duty assignment with the 649th Topo Engr Bn in Germany. We wish him and his family a happy tour overseas.

## STANDING TALL



SP4 Daniel F. Machado of Modesto, California was selected Post Soldier of the Month for December and PVT Kathryn T. Matchett of Barrington, New Jersey, was January's Brigade Soldier of the Month; she came in second for Post Soldier of the Month (was beat out by only two points). Both are attending the Basic Cartography Course and are members of Class 001/77. Specialist Machado is assigned to the 283d Engr Det, Ft Bragg, NC, while PVT Matchett is being assigned to Germany. Two DMS students from the same class, being selected for these honors, is certainly a rare occurrence.

The Cartographic Compilation Division personnel are mighty proud of these two fine young people! We challenge other DMS classes to top this achievement!

## "GIMME SIX"



by MSGT Ron Wenrich

Why the big smiles on the faces of these two Dept of Carto people? The answer is simple; Major Kinman has just administered the oath and SSG Lucas is reenlisted for six more happy years. Luke says, "If the next six are as good as the past ten, I might consider making the Army my career."

Luke has been assigned with the Construction Drafting Division for the past four years, which explains why he is so content with Army life. Stick with it Luke!

## PX NOTES

Continued from page 2.

over and conducts Phase II. Consisting of some 18 briefings/discussions on everything from Branch or Activity Function to location of lunchroom, this phase is very comprehensive and insures the employee fully understands not only their responsibilities, but AAFES responsibilities as well. After our "newbie" has been on board about 30 days, he/she returns to the Personnel Office and goes through a new series of TV Tapes and briefings. This finishes "Basic Training," and with the exception of quarterly "up-dates" by his supervisor, mandatory training is finished.

If our new employee really wants to get ahead, voluntary training abounds and has its rewards. For every course completed, points are awarded for that all important records check at promotion time. Voluntary training isn't easy folks. Accomplished on the employees own time, a course usually takes up to 3 months. These courses are self study and are part of the "Employee Development Program." When an employee enrolls in the program, a sponsor is assigned to work with the "student." At the end of each

study unit, the student has to successfully complete an assignment given him by his sponsor. When finished the course, the sponsor is allowed and encouraged to provide a course review prior to the examination. Yes, an exam. I told you it wasn't easy. Despite that though, approximately one-third of the Belvoir employees have been or are participating in this program.

I questioned Barbara about the types of courses. For the sales and cashier/checker personnel, there's the "Retail Selling Floor Operations Course" as an example.

Whatever the job, there's a course geared to helping the employee improve. Other courses offered include: Service Station Operations Course; Food Facility Operations, Advanced Retailing; and Principles of Management. These are just a few of the courses to give you an idea of how comprehensive the program is.

To the employee it means promotion points, a "Certificate of Completion" and a permanent entry in the good old personnel folder. Now if I could just talk AAFES into hiring me on as their "trainer in residence."

There you have it folks. A pretty admirable program I think, and I have it on good authority, albeit a bit prejudiced, that Belvoir has one of the better managed programs in the Area Exchange and one of the highest percentages of participation. I think it shows, don't you? Next time you shop the Exchange and see a display that looks nice or an employee that's extra helpful, compliment a salesperson or the manager, it's one of the most effective ways of providing "feedback." We at DMS are certainly clued in about training feedback, right gang?

DID YOU KNOW? That AAFES is in the midst of a major expansion of services and is introducing new programs wherever customer demand permits. For example, some beauty shops have hairpieces and accessories and some barber shops offer hair-care merchandise.

The Maryland-Delaware Area Exchange portion of the Capital Exchange Region was deactivated in August at an annual cost savings of about \$300K.

That 17.4% of AAFES worldwide workforce is black compared to 11.2% of the US population.

REGISTER SOON

Montgomery College Course, VT 105 Principles of Typography. Register 9 March, Bldg 214, Classroom 207, Mr. Fleshman.

## SOME MORE HELP ON THE WAY!!

by Cathy McCloskey

I received some good news the other day that should be beneficial to military folks, both active and retired. Yes, there is a living, breathing "Consumer Relations Council" at DeWitt Army Hospital. This council is made up of members of the military community who try to help answer questions and perhaps solve some problems that arise for people using DeWitt facilities. In fact, we have one of the Council members right here at DMS. Mr. Arthur Fleshman (USA Ret), an Instructor in GAD, is an active member of the Fort Belvoir Retiree Council. He represents that council on the DeWitt consumer council and as such is in a position to present the views and suggestions of retirees as well as active duty personnel.

One problem Mr. Fleshman is trying to find a solution for right now is the 781- phone number for appointments at DeWitt. This number can only be dialed from a Class A phone on Fort Belvoir, or from your Quarters or home off-post; this makes it very difficult for permanent party people and students who are not close to a Class A or pay phone. Even regular sick-call requires using this number, and then the number is so busy it's rare to get through to the Appointment Desk on even the 5th or 6th try. Things like clinic, eye and Doctor appointments are extremely difficult to make and have long waiting lists, so having only one number to call and then only under the above conditions makes it all very frustrating.

So, thank goodness for people like Mr. Fleshman and groups like the "Consumer Relations Council." They will be happy to listen to your suggestions or try to answer your questions. Mr. Fleshman may be reached by calling 664-6383 or 664-2285, or address your letters to Editor, Contour and I will be happy to pass them on.

### NEW FACES IN PRT

Continued from page 1.

fine advantages in the reorganization and fully intend to exploit them to the maximum. While our family has doubled, our office space hasn't, but we maintain the "no appointment needed" policy. See ya.



## TRADOC DEPUTY VISITS DMS

by Cathy McCloskey

On 11 Feb, LTG Frank A. Camm, Deputy Commanding General, TRADOC, visited DMS during his tour of the Engineer Center. Some of the classes he observed were Geodetic

Computing, Terrain Analysis, Construction Drafting and Mapping, Charting and Geodesy Officers Course. He was accompanied by COL Wintz, Lt Col Westphal and SGM Harris.

## Human Relations—the Basic 10

1. Speak to people. There's nothing as nice as a cheerful word of greeting.
2. Smile at people. It takes 72 muscles to frown and only 14 to smile.
3. Call people by name. The sweetest music to anyone's ears is the sound of his own name.
4. Be friendly and helpful. If you would have friends, be friendly.
5. Be cordial. Speak and act as if everything you did were a genuine pleasure.
6. Be genuinely interested in people. You can learn to like everybody if you try.
7. Be generous with praise—cautious with criticism.
8. Be considerate with the feelings of others. It will be appreciated.
9. Be thoughtful of the opinions of others. There are three sides to any controversy—yours, the other fellow's, and the right one.
10. Be alert to give service. What counts most in life is what we do for others.

# **E X T R A**

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From the desk of your PX Advisory Council Rep.

## **ANNOUNCING A SPRING SALE 1-6 March 1977**

### **Women's Clothing:**

"California Jr" Pantsuits

"Cheap Jeans" Assorted fashion

"Jack Winter" Coordinate groups

"Designers Original" Knit tops

### **Men's Wear:**

Slacks, Leisure shirts by

"Haggar""Glen Oaks""Farah""Jaffco"

Lawnmowers, Outdoor Furniture, Fishing Equipment  
Garden Tools, and Equipment, Tennis Rackets(Wilson)

**ALL AT FANTASTICALLY REDUCED PRICES**

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**SELECTED ITEMS ARE ON "RAIN CHECK" IF AN ADVERTISED  
ITEM IS OUT OF STOCK ASK ABOUT A RAIN CHECK.**



# CONTOUR

VOLUME 4 NO. 5

DEFENSE MAPPING SCHOOL

11 MARCH 1977



## ❀ THE DMS LEPRECHAUN ❀

by The Leprechaun

Reprinted from 14 March 1975 Contour, Vol 2 No 5.

The time of the year has arrived when nature, in all her bounty, sends forth her beauty and glory for everyone to enjoy — but there is another power — one more mysterious but just as powerful that sends forth spirits in the form of the "little people" and these little people are called Leprechauns.

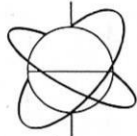
Now DMS has its Leprechaun who has the key to all the mysteries that surround the School and if anyone can catch him he will never

have any more trouble — we will always receive the maximum quota of students for all our courses — the students will be the best and smartest the Services can provide — everyone of them will be the Distinguished Graduate — we will never have to conduct make-up or night classes and our instruction will always rate at the top of the chart. A 5.0 rating will be as common as snowflakes or raindrops. Continued on page 3.

## DMS DID IT AGAIN!!

Article & Photo by Andy Yacenda

Meeting the training needs of the Services is the name-of-the-game and DMS never falters in performing this assigned mission. On 2 March 1977 the first Basic Topographic Officers Course graduated. This event culminated a new course designed to fill the requirements for Company grade officers, in Army units under the "H" series TOE's. Their primary job will be in the terrain analysis area. The course Continued on page 3.



from the  
**DIRECTOR**

Odds and ends this edition, since I received word through the secretarial grapevine that my last effort in a serious vein was a real snoozer. You never can tell; I thought the revelation that AC's TD tends to tell animal stories was the ultimate in sophisticated hilarity.

A vote of thanks to Claude O'Neal and the whole PAAP (Principles and Applications of Analytical Photogrammetry) crew for the completion of an obviously successful course of instruction. Old topo hands are notoriously frugal with their enthusiasm, yet it was obvious from the course critiques that our DMATC students were interested and appreciated the material to which they were exposed. I was particularly proud of our participating faculty because they presided over the integration of photogrammetry and geodesy, and that's something that many civil colleges have been unable to do.

While we're passing out kudos, I'd like to really commend the appearance of Wheeler Hall. During LTG Camm's recent visit to the hill, we were able to offer him a tour of any classroom he chose beyond those that were on the itinerary, and we could do so without fear. That's a rare and wonderful feeling, and one that doesn't come often in an inspectee's life. We were lucky; the dim hallways fit right in with the Post's energy conservation program.

Say, wasn't the last Contour snazzy? Sergeant Allgood's art efforts are terrific, although he did make PRT look more alert than they really are. Cathy also got a lot of fine contributions from both regulars and newbies.

Meanwhile, the routine process of teaching students goes on in its usual low-visibility way. Sergeant Combs is still leading his Marine surveyors through bearings and azimuths; Dale Cuave is preaching the grinder to OSIR; Gunny Cavender hup-thrups though the world of fillets and water-cement ratios, and Jake convinces his troopers that the flip-top platemaker is alive. That's what it's all about.



by SGM Locke

I can now reveal to the world why I was absent for four long weeks in January and February and as a result of the trip, I can tell you our PX is better than theirs. I said I could tell you, not that I would. It is good to be back, and our Exchange is better than Fort Harrison's.

Over the past couple of months, I've been working on some suggestions and requests made by you and take this opportunity to report on actions. For you Air Force folks, the military show now has some of the more often used uniform accouterments. I suggest you let all your USAF friends know, as the offering is temporary at present while sales are evaluated to determine the feasibility of continuing the service.

Those of you who have been asking about the lack of an HP calculator in the Exchange will be pleased to know they should be here by now or very shortly. The HP 21 will appear first, followed by others if they're within price range and you indicate a need.

Finally, one of my more attractive readers mentioned that one day when she returned an item at the Main Store, it appeared as if she was being punched in the machine (her SSN was being entered into the computer). Being concerned that she was being marked for a contract by that invisible electronic mon-

ster, she asked me to check. (Besides being pretty, she's my Editor, so naturally I took Action.) Yes, it can now be revealed, her identity was entered into the computer, along with the amount of refund. Shoppers, this is done for your protection. This particular system is designed to "catch" folks who return items too often. What is "too often?" Several times a month or even once a week should cause no problem. It's the \$2000 a quarter (or year) person who is being sought. Believe it or not, some shop lifters are that good. Not only do they get it out of the store, but they sell it back. So don't be alarmed when you too have your "mug shot" by way of SSN put on file, unless of course you're a "badie" and then they're "gonna getcha."

During the next several issues, I plan on featuring different exchange programs that present us with shopping benefits. Beginning with this issue, I'll address an often misunderstood "Money-Saver Program." To quote from Exchange Service Manual 40-11, a Money-Saver item is one that is:

- a. "Of good quality at an introductory price point."
- b. "That materially appeals to value-conscious customers."
- c. "Whose price compares favorably with that of a similar item sold by major discount chains."

Money-Saver items are not chosen locally, but by the Merchandising Division, HQ AFFES. You'll find that every department in the Main Store (and many other retail outlets) carry Money-Saver items and they're all clearly marked. To insure that we can find them, AAFES policy is to give "featured placement" in displays of merchandise in the same categories. Money-Saver apparel will be given top/left placement on the floor fixture, hang rack or wall section." There are some technical exceptions to the "top/left," but items are always marked with the "yellow piggy" or the words "Mondy-Saver."

Money-Savers are good buys with some being better than others of course. If you've got growing children and don't need hand-me-Continued on page 7.

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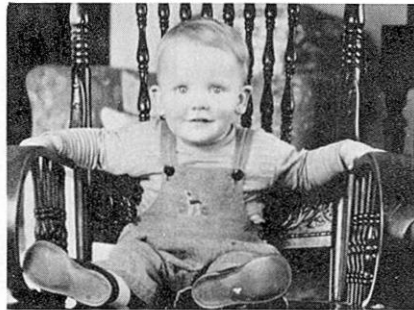


## MYSTERY PERSON



Even at an early age our mystery man apparently had a hint of his destiny. Notice the eagle eyes, which indicate that wherever he would go on this globe, his ambitions would be anchored in tradition (hint, hint). The shoes were spit-shined even then. The loose fitting (slightly nautical) outfit gives no hint of one of his claims to fame. It is reliably reported that upon entering the Service, our mystery man took a deep breath and never exhaled again!

### ANSWER TO 25 FEB MYSTERY PERSON



by Bill Sutton

If you guessed Lily Tomlin as the 25 Feb Mystery Person you were wrong. It is none other than GADS Dale Anderson. Dale corrected me on what I said about him being into C.B., he is into it a little deeper than that. Dale wants to be known as a HAM operator. Sorry, Andy.

## THE DMS LEPRECHAUN

Continued from page 1.

And if we can catch the DMS Leprechaun on the Holiest Day of the Year — March 17th we will never have to police our areas again for he has promised that when we have closed our classrooms at the end of the day and as soon as darkness has well settled in, the Leprechaun will unleash his legions of workers from under the toadstools — for it is said that that is where they live — and they will spit shine everything and the next morning you will swear that you are walking into a brand new building.

Now there are many among us who believe this and say that it has as much truth as the Gospels and even our Leprechaun can vouch for it. From the clouds of smoke from his pipe is where such wisdom comes and the terrifying shillelagh drives off the evil spirits that lurk in the night to try to keep the Leprechaun (always spelled with a capital L — he takes great offense and even puts a curse on those that don't) from going about doing his great and good works.

There is one final message he has asked me to pass on to all who are reading this — he tells me St. Patrick has singled out DMS for his special blessing and it goes like this — "May you be in heaven a week before the devil even knows you're dead."

Erin go Bragh

## DMS DID IT AGAIN!!

Continued from page 1.

was "brainstormed" through the combined efforts of the Mapping/Charting and Terrain Evaluation Divisions of the Topographic Sciences Department. The requirement was to develop a hands-on course which would involve not only the current state-of-the-art in terrain analysis but also the subsequent cartographic and reproduction tasks resulting in the final end product. Through the conduct of this course usable Cross Country Movement and Bridge and Road Studies were produced on the upper half of the DMATC 1:50,000 scale Quantico map sheet. With the exception of the printing of the base map sheet, all work was completed by the students under the close supervision of Topographic Sciences Department and Graphic Arts Department Instructors. Although it is not presently scheduled, it is hoped that this course will be taught again in the near

future — after all, MAJ Good would like to get the lower half of the

Quantico sheet completed before the upper half becomes obsolete.



BASIC TOPOGRAPHIC OFFICERS COURSE 4M-702, Class 1/77

Left to right: 2LT Rahuba, 2LT Todd-Brown (Honor Graduate), 2LT Hess, CPT Grinton, 2LT Mazur, CPT Bailey (Class Leader), CPT Sharon (Distinguished Graduate), 1LT McLean, Mr. McCoy and 2LT Grubbs.

# MORE ACRONYMS

by CW3 Chris Nohe

A few issues back, Clay Kruck treated us all to a brief peek at the parallel development of the Position and Azimuth Determining System (PADS) by Engineer Topographic Laboratories (ETL) and the Inertial Positioning System (IPS) by Defense Mapping Agency Topographic Center

Geodetic Survey Squadron (DMATCGSS). Presently, a Cost and Operational Effectiveness Analysis (COEA) is being vigorously conducted jointly by the Army's Combined Arms Center and Development Activity (CACDA) at Ft Leavenworth, KS and the TRADOC Systems Analysis Activity (TRASANA) at White Sands Missile Range, NM (WSMR). Its goal is to determine the best mixture of equipment to provide the Army with an effective Position and Navigation System

(POS/NAV) for use in the tactical environment. Actually the program involves many more people than just CACDA and TRASANA. Representatives from all of the TRADOC Schools, ETL, DARCOM, ECOM, and the project officers for the development of several items of new equipment form a Study Advisory Group (SAG) which meets approximately once every six weeks to approve the study methodology and results of the analysis. DMS attends these meetings as a representative of the Army Engineer

# "ICKY POO" or "YOU WANT ME TO CLEAN WHAT?"

Article & Photos by Andy Yacenda

"Icky Poo" was the phrase of the day for Class 01/77 of the MC&G Officers Course. Seventeen students: two Allied, two Air Force (or was that four Allied?) and thirteen Army officers received an in depth appreciation for how that "icky" ink gets on the map sheet. On Thursday, 24 Feb 77, these MC&G students culminated approximately 6 weeks of instruction involving the actual production of a map revision product.

Under the expert supervision of two of DMS's finest instructors (CW2 Andy "Daddy" Yacenda and TSgt Ralph "Son" Ruetze), MCGOC'ers produced revisions from existing reproducible and aerial photography.

Then, they photographically rescaled their compilations, paneled, color separated, edited and printed revisions just as it might be accomplished in an MC&G field unit. This exercise, part of the 3 month MC&GOC Course, was designed to give these students a real-life view of how these tasks are performed in the field and help develop the managerial techniques unique to cartographic and photolithographic operations. The end product of this exercise is a five-color revised map of Fort Belvoir — now they know where the PX and "O" Club are.

A special thanks to the instructors of GAD who assisted in this project.



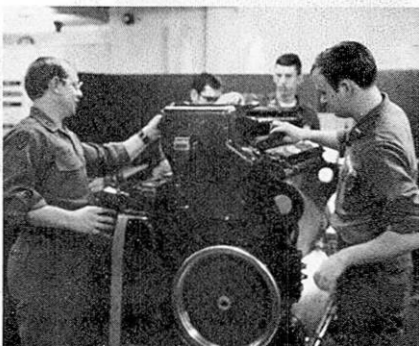
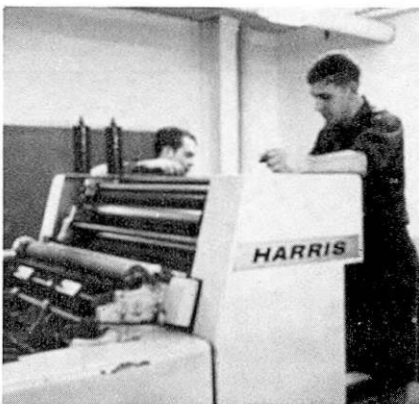
School.

The purpose of a POS/NAV is to allow the user to determine his position, altitude, heading and velocity and the azimuth and distance to an objective as accurately as he might require and as rapidly as modern technology will allow. In other words, POS/NAV is the black box that will put all of us out of business. Well, almost. The need for such a system is obvious. The helicopter pilot is traveling too fast to keep up with a conventional map. The tank commander has a little trouble with his compass inside that 60 tons of steel. The Infantryman hidden under a triple canopy jungle may have a hard time picking out his particular half acre from an entire map sheet full of triple canopy jungle. For the Artilleryman, a map just isn't accurate enough and the Surveyor (blush) is just too slow to provide the position and azimuth data he requires to deliver effective fire with the first round.

At the present time, ten items, either in existence or under development, are under consideration as components of the total POS/NAV.

Although none are fully deployed, several are already familiar to the topographic surveyor. These new toys include the PADS, the Survey Instrument, Azimuth Gyroscope, Lightweight (SIAGL) and the Global Positioning System (GPS), a carry-

Continued on page 5.



## MORE ACRONYMS

Continued from page 4.

on development of Satellite Positioning, similar in operation to the Geociever. Others are not geodetically significant, but are of interest to the surveyor because he will be called upon to provide the starting data required to initialize the system. Aside from these survey significant devices POS/NAV includes a whole range of navigation and positioning tools. One existing system is Long Range Navigation (Model D)(LORAN-D), used to position ships far out in the open ocean, based on the determination of the differences in distance of the vehicle from three or more pairs of coordinated radio transmitters. The Position Location and Reporting System, in a fairly advanced development stage, determines the vehicle's location by simultaneously measuring the distance from three or more pre-positioned master stations by a method similar to that employed by the Microwave EDME. The Lightweight Inertial Navigations System (LINS), is similar to, but less accurate than the PADS. The Magnetic Navigation System (MNS) is an electronically enhanced magnetic for use in non-ferrous-hulled armored vehicles (huh?) and the Gyroscopic Navigation System (GNS) is similar to the SIAGL, for use in steel hulled tanks. The Ground-Tracking Doppler System, is used for determining the velocity and elevation of helicopters. Finally and most far out is the Joint Tactical Information Distribution System (JTIDS) which permits up to 128 users per second to report 88 items of information concerning their positions, ordnance load, targets, fuel reserve, etc. This super-system is still the subject of very long term development.

Will the POS/NAV really be the end of the military mapper? Hardly. The implementation data is still a few years off, and whatever its final form, the POS/NAV will certainly be more expensive than a map sheet and will be deployed in rather limited numbers. It will enhance our present and future military cartographic efforts and help to give commanders not only a graphic representation of terrain but also the location of his maneuver elements on that terrain. As is true today, on the rapidly moving and changing battlefield of the 1990's, it will be good to know "Where am I?"

# FEDERAL INCOME TAX ASSISTANCE



by SSG Bruley

One copy of the following publications are available in PPO to assist you in preparation of your Federal Income Tax Return:

Pub. No.	Title
17	Your Federal Income Tax
334	Tax Guide for Small Business
54	Tax Guide for U.S. Citizens Abroad
*463	Travel, Entertainment, and Gift Expenses
501	Your Exemptions and Exemptions for Dependents
502	Deduction for Medical and Dental Expenses
503	Child Care and Disabled Dependent Care
504	Tax Information for Divorced or Separated Individuals
505	Tax Withholding and Declaration of Estimated Tax
506	Computing Your Tax Under the Income Averaging Method
508	Tax Information on Educational Expenses
509	Tax Calendar and Check List for 1977
510	Information on Excise Taxes for 1977
514	Foreign Tax Credit for U.S. Citizens and Resident Aliens
516	Tax Information for U.S. Government Civilian Employees Stationed Abroad
519	United States Tax Guide for Aliens
521	Tax Information on Moving Expenses
522	Tax Information on Disability Payments
523	Tax Information on Selling or Purchasing Your Home
524	Tax Credit for the Elderly
525	Taxable Income and Nontaxable Income
526	Income Tax Deduction for Contributions
529	Miscellaneous Deductions and Credits
530	Tax Information for Homeowners
533	Information on Self-Employment Tax
534	Tax Information on Depreciation

Continued on page 6.

## OSCAR'S Believe It Or Not?



**Cpt. Hey** HOLDS THE U.S.A. HAIWAY SPEED RECORD OF 86.73 M.P.H., ESTABLISHED AT 1629 HRS, WHEN HE REALIZED THAT HE WAS LATE FOR A D.M.S. SOFTBALL GAME LAST SUMMER....

**Sfc Sexton** HAD HIS EARS BURNED ONCE, WHEN LIGHTNING BOUNCED OFF THE BARREL OF HIS RIFLE ONTO HIS HELMET...

**At D.M.S.**, CLASSES WERE ONCE TAUGHT ON THE SUBJECT OF LIGHT REFRACTION WITH THE USE OF A CERTAIN LT. COL'S HEAD....

# FEDERAL INCOME TAX ASSISTANCE Continued from page 5.

# DMS DOLLIES START F.A.T. PROGRAM

- \*535 Tax Information on Business Expenses
  - 537 Tax Information on Installment and Deferred-Payment Sales
  - 538 Tax Information on Accounting Periods and Methods
  - \*539 Withholding Taxes and Reporting Requirements
  - 541 Tax Information on Partnership Income and Losses
  - 544 Sales and Other Dispositions of Assets
  - 545 Income Tax Deduction for Interest Expense
  - 547 Tax Information on Disasters, Casualty Losses, and Thefts
  - 548 Tax Information on Deductions for Bad Debts
  - 549 Condemnations of Private Property for Public Use
  - 550 Tax Information on Investment Income and Expenses
  - 552 Recordkeeping Requirements and a Guide to Tax Publications
  - 553 Highlights of 1976 Changes in the Tax Law
  - \*554 Tax Benefits for Older Americans
  - 555 Community Property and the Federal Income Tax
  - 556 Audit of Returns, Appeal Rights, and Claims for Refund (556S-Spanish edition)
  - \*559 Federal Tax Guide for Survivors, Executors and Administrators
  - \*561 Valuation of Donated Property
  - \*564 Tax Information on Mutual Fund Distributions
  - 567 Tax Information on U.S. Civil Service Retirement and Disability Retirement
  - 572 Tax Information on Investment Credit
  - 575 Tax Information on Pension and Annuity Income
  - \*582 Federal Use Tax on Civil Aircraft
  - 583 Recordkeeping for a Small Business
  - 584 Workbook for Determining Your Disaster Loss
  - 585 Voluntary Tax Methods to Help Finance Political Campaigns
  - 586 The Collection Process (586S-Spanish edition)
  - 587 Business Use of Your Home
  - 588 Tax Information on Condominiums and Cooperative Apartments
  - 590 Tax Information on Individual Retirement Savings Programs
  - 592 The Federal Gift Tax
  - 593 Income Tax Benefits for U.S. Citizens Who Go Overseas
  - 596 Tax Benefit for Low-Income Individuals
  - \*598 Tax on Unrelated Business Income of Exempt Organizations
  - \*900 Quick Index to Taxpayer Information Publications
- \* Publication on order.

The following forms are available by contacting me on 44681 (There is a limit of two of each form per individual):

Form No.	Title
1040	U.S. Individual Income Tax Return
	Schedule A — Itemized Deductions
	Schedule B — Dividend and Interest Income
	Schedule C — Profit (or loss) from Business or Profession
	Schedule D — Capital Gains and Losses
	Schedule E — Supplemental Income Schedule
	Schedule F — Farm Income and Expenses
	Schedule G — Income Averaging
	Schedule R & RP — Credit for the Elderly
	Schedule SE — Social Security Self-Employment Tax
1040A	U.S. Individual Income Tax Return (Short Form)
1040X	Amended U.S. Individual Income Tax Return
2106	Employee Business Expenses
2119	Sale or Exchange of Personal Residence
2120	Multiple Support Declaration
2440	Disability Income Exclusion (Sick Pay)
2441	Credit for Child Care Expenses
3903	Moving Expense Adjustment

If you need Publication or Forms that are not listed above, contact your local IRS office and they will send them to you. (See or call me for local telephone number.)

If you have tax questions or need assistance in the preparation of your return contact me. If your problem is too complex to handle I will refer you to someone with sufficient knowledge to handle your problem.

This service is available to all personnel military and civilian of DMS and A Co 3d Bn. SSG-Bruley may be contacted in Bldg 214, Room 114.



It has been reliably reported that the Head DMS Dolly has initiated her welcome to Spring rites and surveyed the attributes of her gaggle (pride? herd? flight? covey?). As a result of this survey, she has initiated the Female Attributes Trimming (FAT) program, on a voluntary basis, but in competition with the DMS Dolphin, Roadrunner and "Purple Hurricane" programs (DMIS/P Program 9, DMS Form 13, Column EE).

In an exclusive interview, the Head Dolly states:

"FAT's motto is "Take it off! Take it all off!" Of course we mean unwanted fat.

The DMS Dollies are looking forward to Spring, which means all those unwanted pounds of fat accumulated during the holiday season and inactive Winter months, must be shed. Otherwise our Dollies will not fit into their little bikini's.

Thus, our Supply Sgt (Gene Cook) being the gallant that he is, has come to the aid of FAT by obtaining a scale (accurate too!) for the DMS Dollies."

The scale, located in the Women's Rest Room, Bldg 214, is available to all female DMS'ers. Rumor is that Ch, PPO has included comparable equipment for men in the CY 78-83 POM.

# PX NOTES

Continued from page 2.

downs, Money-Savers provide good, economically sound buys. Some personal health items on the program are up to 137% savings over the same items on the civilian market.

How can AAFES offer such savings? Through bulk buying and good planning. From aspirin to jelly beans to suits, with linen and underwear in between and shoes with lots of sole. So, follow the yellow piggy to savings, and take advantage of those crazy people who are willing to give you something at "near" cost.

### DID YOU KNOW?


Main Exchange exceeded programmed



Anita Alinio compares soaps, while Sue Rethlake checks hair products.

## TC DIRECTOR ADDRESSES BTOC GRADUATES

by Cathy McCloskey



On 2 March 1977, COL William R. Cordova, Director, Defense Mapping Agency Topographic Center, spoke to the graduating students of Class 1, Basic Topographic Officer Course, at the Ft Belvoir Officers Club.

COL Cordova gave an informative speech on the Army's past, present and future requirements for officers skilled in the techniques of terrain analysis. He also discussed the various programs and special products being developed and implemented by DMATC in support of Army requirements for terrain analysis data.



Gladys Smith (right) and Tillie Smith discuss "Money-Saver" fashions in the Ladies Department.



Toshiko Woods looks over "Money-Saver" towels.

sales last month despite all the bad weather that kept away both customers and sometimes merchandisers. A big hand to Cliff Seay and Staff.

Fort Belvoir recently sent a representative to Dallas, to participate as a member of the AAFES Luggage Selection Committee. This committee will select "lines" of merchandise for the coming year.

## X,Y,Z.

March 1 marks the beginning of a new topo-type-person — the "SURPUTERS!" The "Surputer" is a combination of the 82D (Surveyor) and 22E (Computer) MOSSs.

The following was submitted anonymously from Wheeler Hall.



# THE "ESSENCE OF THE GRAPE" IMPROVES GRAPHIC ARTS

Alcohol (al.co.hol, n l. etc) has been responsible for many things in our society. In the name of progress, its use in printing presses (not just pressmen) is now a fact of life for the military graphic artist, which will have a substantial impact on the way his work is performed. In our own department of Graphic Arts, the new Harris Seybold press, model 129c, uses alcohol in a unique (to nonprinters) way, not to introduce "truthfulness" or to liven up a party, but to increase the quality of the printed product. While not new to printing, the introduction of alcohol into the presses is very new to the military and we have encountered some unique operational problems.

On a lithographic printing press, the function of the alcohol dampening system is to keep the press plate wet (hence "dampening") in the non-image or background area so that products like the Contour will have very black print and a clean background area. The objective is, for example, the copy you are reading. (You are reading a "good clean copy," aren't you?)

Good copy is desired for many printed products, so alcohol dampening systems are used on many

lithographic offset printing presses in a variety of sizes. The composition of the solution used in the dampening system is a mixture of gum arabic, etch (no, that is not what your son got in his hair, nor is it your daughter's reaction to carrots, both are used in the solution to help control water/ink balance of the plate), water and 99 percent isopropyl (ether) alcohol. Believe me, this high-ball is not suited for human consumption — but it does a beautiful job of keeping the press plate wet.

There is a major drawback to a dampening system using alcohol; it must be operated in a well ventilated area. Alcohol is a volatile fluid. This precaution is taken because the evaporation and accumulation of alcohol fumes, when the system is operated in close confined areas, may harmfully affect the operator. (Although they haven't complained yet. Complained? They haven't stopped smiling, yet.) At GAD, we are taking no chances on the possibility of a health hazard to the operator. The spoilsports of sleepy hollow (the GAD head office) are already working on substitute solutions which will eliminate these "harmful" fumes (smiles changing to frowns, for those

printers working on this monumental outrage). Once again, the GAD operators are "right on top of it" and have come up with a substitute — 100% scotch. Non-GADers should realize that this substitute is for the printers, rather than the presses.

The world of MC&G should now realize that printers have come of age. No longer can surveyors be mysterious about spirit levels, nor cartographers feel superior about those funny colored glasses in those poorly lighted rooms. Printers now have proof that they are as "all wet" (in line of duty) as any of their more "professional cousins."

## Leavaholics Anonymous

I am a "leavaholic." If you don't know what that means, I will explain. Every 2 weeks I earn 6 hours annual leave and 4 hours sick leave. I've been here close to 15 years, and I have a balance of 7 annual and 10 sick leave hours. On Monday of each pay period I use 4 hours of annual leave. Before the week's out, I use the other two. Next week I will use up all the sick leave I have plus take leave without pay.

I sit here every day and fight the feeling of filling out a leave form. I'm on restriction now, but it doesn't help. I scheme ways to take leave - limp, run to the nurse, get emergency phone calls to come home right away or something. If you can think of one excuse I haven't used, please let me know. I have been written up several times and received a letter of admonishment.

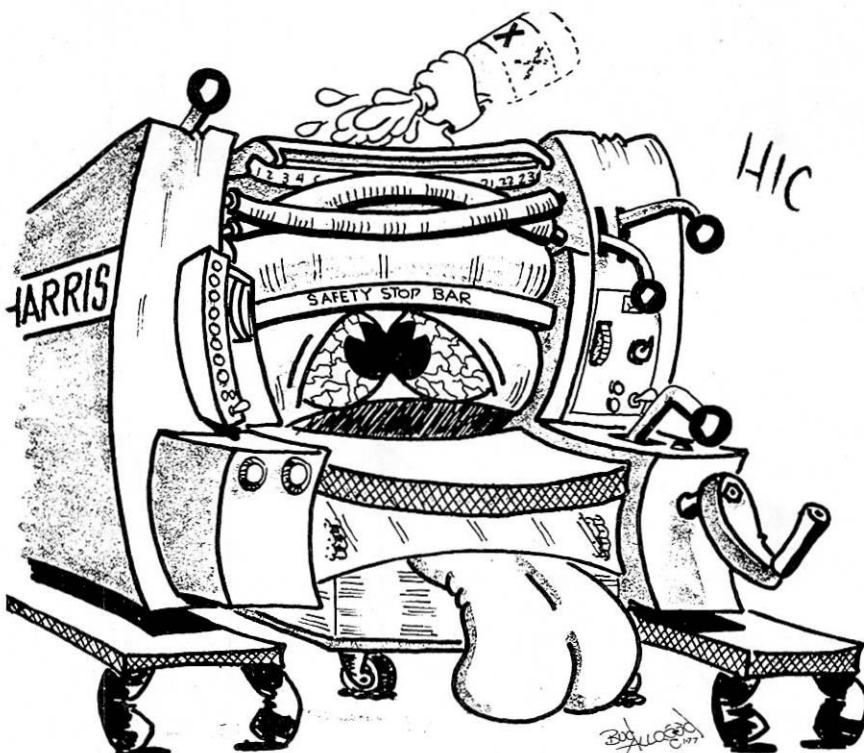
I'm not the only one who's a "leavaholic." Hundreds or thousands are like me. Surely there is something or somebody that could help besides counseling—like having training classes or group therapy with other "leavaholics."

Soon I will be getting 8 hours of annual leave, and then I know I will be off every other Monday. Please send help soon. (Thanks to the "Hilltop News," VA Center, Hot Springs, S.D.)

### LAST MINUTE REMINDER . . .

The next Contour will be distributed on 25 March, deadline for articles is noon, 16 March.

The deadline for articles in the 8 April Contour is 29 March.





# Instructor's Notebook



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Examined here are several approaches to resolving this perennial problem

## How to motivate your trainees

by Martin M. Broadwell

**A** perennial question most trainers ask is "How do I motivate my trainees?" We haven't solved the problem by a long shot, but we do know some things about getting people motivated. There are several

approaches. In this article, we'll look at one of these approaches and, hopefully, we'll shed some light on an age-old question by dressing up the old body in some new-look clothes.

### Motivating by "Job Enrichment"

Researcher Frederick Herzberg has suggested that the way to motivate workers is to enrich the job content, not the job environment. He discovered that improving the working conditions doesn't do much in the long run to provide persistent motivation. The things he calls hygiene or

maintenance items bother people and they complain about them, but when these things are improved there is little to show in the way of lasting motivation or satisfaction. On the other hand, he found that adding responsibility and recognition and achievement produces more lasting results.

If we transfer these findings to the teaching-learning situation, we'll find that we worry a great deal about the environment, but when we improve it the results are neither very dramatic nor lasting. (For the record, we'll classify things like furniture, temperature, student notebooks, color of the

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*Martin Broadwell is corporate partner and director of training and educational services of Resources for Education and Management, Inc., a Decatur, GA-based training consulting firm.*

# How to motivate your trainees

Continued from preceding page.

slides, use of the overhead and the lunches as maintenance items; we'll classify the learning experience as "the job itself.") This means we may need to spend more time concerning ourselves with things like the design of the course—what the student is doing, what choices the learner has about the learning activity, the content, the amount of responsibility the learner has for the outcomes (both getting there and measuring the success after arriving) and how much recognition the learner will get in the process. We'll worry less about what the teacher is doing, whether the instructor is using good speech habits, learning on the podium, or using distracting mannerisms. We'll worry less about the impact of different colors on the learners, and worry more about the accountability the learner has for the visuals as they are used.

## Design is the key

If we apply the principles of motivation by job enrichment, *design* becomes the key to successful learning. Suddenly, responsibility for learning is shifted to the trainee—not in a harsh, dictatorial manner, but in a meaningful way, with the learner agreeing to the shift. We're saying that the trainee is going to have to be involved in the learning activity in a responsible way. Just putting the group through some involvement exercises—"break into subgroups, take your pencil and paper, make a list, report your findings"—will no longer be perceived as meaningful. On the other hand, if these activities are used to allow the learner to reach a specific goal, one that the learner knows ahead of time and agrees is worth getting to, they will be perceived as meaningful and the exer-

cises will be responsible activities.

"Discovery learning" has meaning under this system because it is the kind of learning that allows the student to be responsible and accountable for the end product. The instructor truly becomes *facilitator* of learning, rather than a *teacher* of learning. The teacher provides a design that allows the trainee to see the end product, that allows the learner in some cases to set the direction, and permits the learner to know where he or she is at any given moment in the process. That's not an easy design, but neither is it an impossible dream. The teacher simply provides enough new information and enough sources of additional information to allow the student to continue down the learning path, discovering things that are of importance.

## Changing emphasis

One of the first impacts this approach would have on most organizations is to change the emphasis in their instructor training efforts. To take on the "facilitation" role, instructors will need to find ways to remove themselves from the predominant role, to think less about how they are perceived by the students. That isn't easy. It will require some soul searching to see if their motivation for teaching is to see students able to perform where they couldn't before or if they teach simply to satisfy their egos. It will be difficult for some to maintain their motivation for teaching when they realize that they may be doing their best jobs when the students go home able to perform well on the job, but unable to remember the instructor's name.

Trainers will have to be taught how to deal with the frustration of letting

the learner have responsibility, even when the learning activity may not run as smoothly as it would if the teacher were in complete (or near complete) domination. We might liken it to the dominant supervisor who won't give his employees any responsibility for work decisions. He tells the employees what to do and when to do it. They get the work done, but what is often lacking in the employees' motivation is devotion to the job itself. As long as the boss is there and is pressing, the job gets done. When the boss is not around, there is little commitment to the job. But, remember we said the job got done when the boss was there. That may account for why learning still continues to get done when there is a dominant instructor teaching in a very forceful manner. The learning gets done, but there is a lack of motivation.

## Changing evaluation processes

If our training evaluation forms ask the students how they liked the furniture, the meals, the housing facilities and the way the instructor conducted the activities, we may be looking at the wrong things. If we get complaints, we change the poor conditions, but we may be tempted to not change the motivation to learn. Our evaluation efforts will need to be more along the lines of what the students *perceive* themselves as having accomplished, and then later on the basis of what they have done differently back on the job. If we're trying to improve the motivation, we'll pay more attention to those items on the evaluation that have to do with the learning process or the learning experience rather than those that have to do with the environment under which the learning took place. **T**

# CONTOUR

VOLUME 4 NO. 6

DEFENSE MAPPING SCHOOL

25 MARCH 1977

## "Uncle Claude's" Course a Success

It seems like years ago when Mr. Light first raised the idea for DMS to offer a photogrammetry course to DMATC geodesists (talk about making a sow's ear from a silk purse). Skeptics were easy to find. "Those of little faith" felt it was beyond our reach — many reasons were offered as to why it could and could not be done. The small band of "pioneers" pressed forward, and on 11 January 1977, the first DMS course in Principles and Applications of Photogrammetry (PAAP #1) was a reality!! How it got its rather curious name is a "whole other story."

"Uncle Claude" (LTC Sprinsky's

coined phrase to describe Mr. O'Neal) was selected as the Course Proctor. "It was a wise and logical choice," claimed Maj Kinnan, sagely. Mr. O'Neal possessed the knowledge and experience to make the curriculum meaningful, and he "just knew how to get along with folks."

Much of the material covered is university graduate level subject matter. We decided to use our resident experts as instructors, regardless of department or staff assignment. This decision caused some rather peculiar reactions. LTC Sprinsky and Mr. O'Neal were observed to smile, while Maj Kinnan

paled, trembled and reached for his management text book and CW3 Maxwell, Ch, CD-CC, groaned audibly. Talk about those of little faith, it was actually refreshing to see how each department and office at DMS cooperated in the curriculum development effort and presentation of instruction.

Ch, PRT, LTC Radu, has often been (Continued on Page 6.)

## DMS EEO COUNSELOR APPOINTED

by Ellie Burke

DMS's newly appointed EEO Counselor is none other than Ms Carla Davis of OAR. For those who are not aware, the role of an EEO Counselor is to establish an open, informative and sympathetic channel through which civilian employees may raise questions, discuss grievances, get answers and resolutions of EEO problems, on an informal basis. The military EEO is LTC Sprinsky, Chief, PPO, and I am the civilian EEO Officer. So, as you can see, the EEO Program at DMS is firmly established, if you do have a problem, DMS has the people to talk it over with. One point to remember is, EEO grievances deal with discrimination in sex, religion, ethnic background and age. These subjects and some hypothetical cases were discussed at a week long seminar that Carla and I attended at DMA HQ.

Ms Davis is the first EEO Counselor appointed by DMS, and even though she has been instructed on the entire complaint process, she would prefer not to have to put what she has learned into practice. In addition, all you guys can just forget about dreaming up an EEO complaint to talk to her about, we realize she's cute and single, but her job is to listen to legitimate complaints only! Sorry guys!





Do you realize that on a given day (14 March 1977, to be exact), DMS was receiving: Thirty-odd light tables at Wheeler Hall; a punch card verifier through the front door of Bagley; and four new Brown cameras through the second floor wall. The three vans, cranes, forklifts, and struggling DMS'ers brought back our good old days in Engineer line companies. I mentioned this to COL Cooksey, the Director of Facilities Engineering (not Post Engineer, and never Daffy), and he said this was nothing; we should see the Veterinarian's building. Brings a startling mental picture to mind; did their rhinos begin rutting? Anyway, I thanked the Daf....er, DFE for his support and commented on the very willing and helpful attitude of his equipment operators. They did do a fine job.

Mr. Mac and George's 41K crew were giggly over the appearance and solidity of the new cameras. They do look very professional and businesslike, but much of the coy whispering was over the model name. It seems we bought four "Admirals." Lawsy, what loyalty! I immediately checked some of our refrigerators to see if the same respect was paid, but was rebuffed by "Coldspot." This whole thing got out of hand when the GAD crew also pointed out that the new NuArc platemaker model was chosen to honor our own PPO. They're, uh, Flip-tops. Enough.

Word is that MSG Hester is recovering nicely from a sudden and serious illness. He is now home, and the Carto folks say he complains bitterly about the inactivity. Of course, this is a sham; we all know he's worried about the softball season. Get well, Hess. You are missed by all.



by SGM Bill Locke

Hope you cost conscious people have been taking advantage of the many Money Saver items at the Exchange. Management is continually adding to and changing the "Yellow Pig" displays.

To wind up (for the present) my series on AAFES Special Programs, I've chosen to pass on some good "Skinny" on what used to be known as Extra Dividends (now AAFES Specials) and the ever popular AAFES Manager Specials.

If you saw one of my flyers the first week in March, you should already know something about AAFES Specials. "Quality merchandise temporarily reduced to the lowest possible prices" is the motto. The most recent "Special" which ran



"On your left (unless you walk backwards)."

from March 1-15, offered savings from six cents (St. Joseph Aspirin down from 34¢) to a dollar and a half (Curity diapers down from \$7.50). That's not bad folks!

Identified by orange and blue tags with large signs in the same color scheme, the AAFES Specials Program (AKA Extra Dividend) has only been around since 15 February 1977. Now you might ask, and fairly enough, how are items selected? Well, these fantastic savings are possible through vendor voluntary price reductions. In other words, vendors announce that they will reduce certain items for a 15-30 day period voluntarily. There's a catch however (for the vendor) as items must meet certain criteria in order that you and I receive maximum benefit. If an item normally costs 50 cents or less, it must be reduced 20%; if it's in the range of 51¢ to a dollar, it must be reduced 15%; and if it's over a dollar, it must be reduced 10%. Remember, the key word here is "Quality." The items that go on special are not some "special stuff" dressed up to look good, but name brand items; e.g., Johnson & Johnson, Ponds, Old Spice, Curity, etc. If you want to check the savings, look at the price sticker on the item.



"AAFES Manager's Specials" meet, not beat, the competition prices."

It's bright orange so you can't miss it, and it's placed beside the regular price label so you can easily compare.

Each Main Exchange is required by AAFES policy to carry at least 20 items at all times on the AAFES Specials Program. During the recent (March 1-15) Special, there (Continued on Page 3.)

The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

Address all communication to:

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 Director: COL Edward K. Wintz  
 Editor: Cathy McCloskey

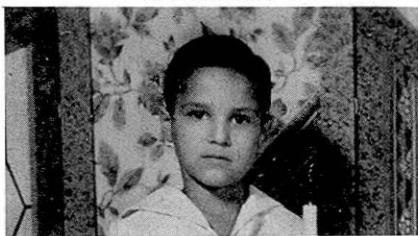
# MYSTERY PERSON

# DMS VOLLEYBALL SCHEDULE



Cute, cuddly and independent best describes this Contour's Mystery Man. As anyone can see he was destined for a career in Hollywood. However, time has a way of bursting the balloons of the great or near great. With this thought in mind he chose a career which would best utilize the magnetic personality and solid physical physique possessed by him (that eliminates the distaff side of the house). He attributes part of the success of his career to the tours he has had with D/Topo and DMS. He is involved in many physical fitness programs — that just eliminated another 50% of DMS — and is an ardent golfer and bowler. On the other side, and because of his Pennsylvania background around the coal trains he is quite involved in model railroading. But, the characteristic which stands out most is his military bearing and that comes from the pride in the Corps. To say much more would be as revealing as a stripper which he is quite proficient at.

ANSWER TO 11 MARCH  
MYSTERY MAN



A lot of people guessed correctly, but a lot didn't. Our Mystery Man was MGYSGT Vic Gonzalez.

All games will be played at Wells Field House.

DATE	COURT	TIME	TEAM
28 Mar	3	1900	HHC 30th Engr Bn
30 Mar	1	1800	Co B 30th Engr Bn
4 Apr	3	1800	Dental Co
6 Apr	1	1900	Co A 2d Bn
8 Apr	3	1800	15th CSH
11 Apr	1	2000	Co A 1st Bn
13 Apr	1	2000	Co B 1st Bn

## PX NOTES

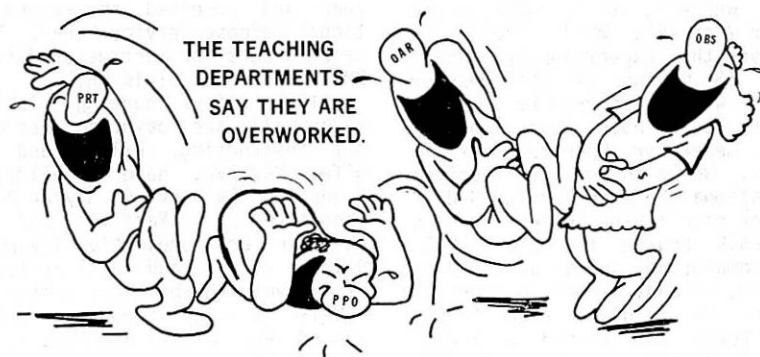
(Continued from Page 2.)

were at least 32, count 'em, 32 items that were featured. Management is so anxious for you to know what the current specials are, there's a brand new display located just to your left (unless you walk backwards) as you pass the reception/information/ID desk. This display will usually stock all the items currently being offered as part of the AAFES Specials Program. These items may also be found in their regular store location, still featured at the reduced price (if they aren't, see a salesperson).

Now, if the AAFES Specials Program impressed you, read on and learn about the AAFES Managers' Specials Program. Each week our local friendly manager (busier than the proverbial cat in wet concrete) tears the local papers apart to see what the guys out on "the strip"

are offering. Finding something marked "Special" or spying what looks like a good buy, he'll consider offering the same item at the same price. Now at this point, I need to tell you it becomes a little complicated. You see, the item first off has to be available. Then, he'll only put it on special if the markdown is at least 5%. Let's look at an example. Suppose Bufferin is offered at Drug Circus for a big "Special" of \$1.09, and the PX normally sells the same item for \$1.20. Bufferin will likely go on Managers Special at \$1.09 because it's better than a 5% markdown. Understand? Good! Start looking next time you're in the store. Managers Specials usually only run several days and they change all the time. The only thing that doesn't change are the savings that are passed on to you, they're great. You shouldn't have any trouble finding this display (Continued on Page 4.)

The following was submitted anonymously from the Bagley Hall Staff.



# LIVING PROOF THAT SUGGESTIONS PAY OFF!



by SFC Luke

Vince Ditchkus and James McKay are the proud recipients of the DMA Certificate of Commendation for Suggestion and \$25.00 for their recently adopted suggestions. After presenting the awards at a ceremony in his office, the Deputy Director

reaffirmed his and the Director's enthusiasm and support for the suggestion program as a means of utilizing all available human resources within DMS.

We've got some really good suggestions in the mill right now — one even found its way to the Ft Belvoir Command Group — and I'm hoping that we can wrap these up in

the near future. I'm running out of new things (suggestions) to work on so how about helping DMS and yourself by jotting down your idea on a suggestion form and sending it in. You may get the satisfaction of seeing your idea actually implemented and of joining the elite group of DMSers who have received awards for adopted suggestions.

## OSIR WELCOMES SPECIALIST HEARD

by Andy Bradley

On October 13, 1977, OSIR welcomed SP5 Willie Eugene Heard to its Instructor staff. A few days later he was shipped off to ITC where his subject material covered the Dumpty Level.

Willie joined the Army in July 1970 and attended Basic Training at Ft. Polk, Louisiana. He was then sent to AIT at Ft. Belvoir where he went through the Generator Repair Course at Mec and Tec. Then off to Korea where he was assigned to the 2nd Bn 71st ADA. While there he received the Expeditionary Medal. After 13 months of cold weather Willie was transferred to a warmer climate at Ft. Hood, Texas, working as a Generator Operator for 18 months. While there, he received the National Defense Service Medal.

After reenlisting he went through the OSIR Course in March 1973. Upon completion, he was assigned to Nue UIm, Germany where he spent 27 months. He then returned to Ft. Hood, Texas and worked as a Fire Control Instrument Repairman for a



year and received the second National Defense Service Medal. Then came orders for Instructor duty at DMS in the OSIR Division.

Willie enjoys hunting, fishing, basketball and painting when he's not instructing. Willie and his wife, Marilyn, have 4 children - Frank 11, Patrick 9, Glyron 7 and Shandolyn 2. Marilyn and the children are presently living in Dallas, Texas and will arrive at Ft. Belvoir in about two months.

OSIR is glad to have Willie aboard and wishes him luck in his assignment here.

## PX NOTES

(Continued from Page 3.)

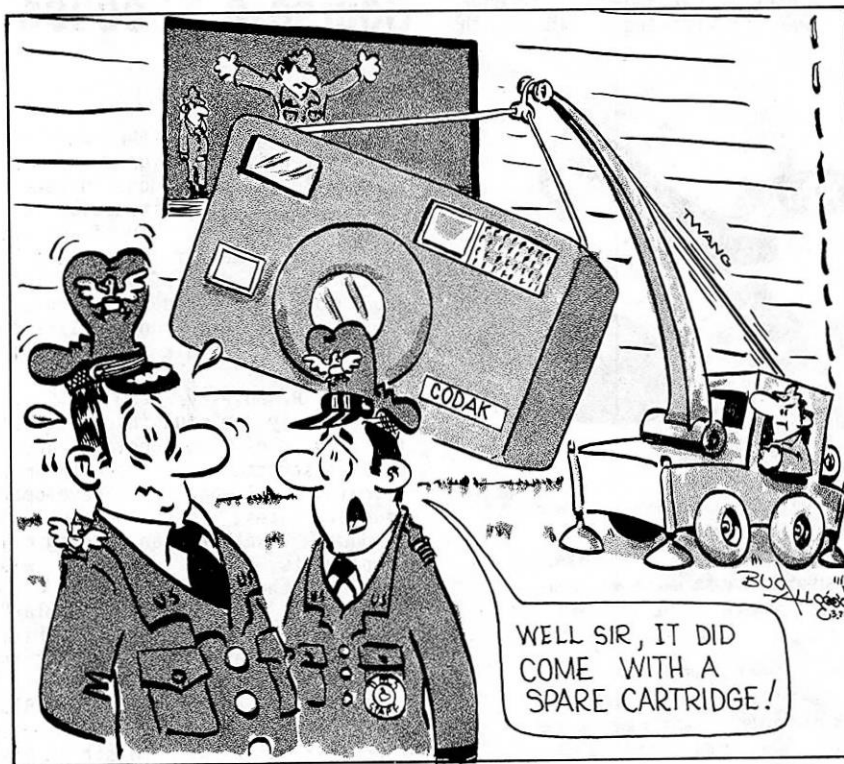
either, as it's well "signed." I should point out also, that the Exchange cannot and does not undersell the "local" specials. The price in the PX can only be lowered to, but not below, the Drug Circus Bufferin for example. Another bit of info in closing — do not confuse the AAFES Specials and Manager Specials with items offered on Clearance or Phase Out. The programs are entirely different.

DID YOU KNOW? The Exchange accepts coupons? Even on items that might be on Special? Double your savings!

AAFES is expanding solar energy plans for new Exchanges. A shopping center to be constructed at Bolling AFB and a main store at Fort Polk will be heated and cooled by solar energy.

P.S. How 'bout some feedback? Am I addressing things of interest? Is there a subject you'd like me to cover? Call 41680 or write in care of the Editor. Even bald columnist's have a vanity that needs feeding occasionally. Remember, Specials make cents.

# Out With The Old, In With The New!

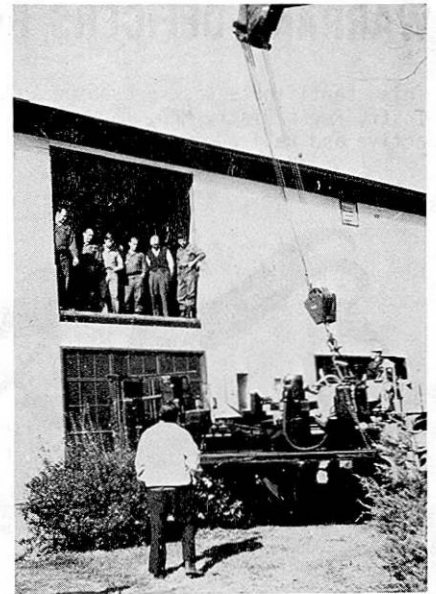
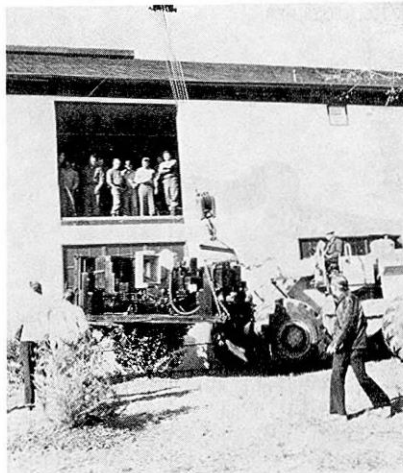


by Dale Anderson

Curiosity got the best of you yet? The picture above was a relatively familiar sight to most DMS people during the past couple of weeks.

Photolith Division has just completed the replacement of four Rutherford Model Mac Cameras (early 1950's vintage) with four Brown 31 inch by 31 inch Precision Cartographic Cameras.

GAD is really living up to the adage (author unknown): "You can always tell the men from the boys by the size and cost of their toys." Considering the size and the cost — Well, you can draw your own conclusions.



## REMINDERS



SEASONAL CHANGEOVER TO SUMMER UNIFORM. IAW para 5, AR 670-6, the summer uniform will be worn by Army personnel stationed at Fort Belvoir beginning Monday, 4 April.



The next Contour will be distributed on 8 April, deadline for articles is noon 29 March. The deadline for articles in the 22 April Contour is 12 April.



# WARRANT OFFICERS HONOR CHIEF, PPO

This certificate was presented to LTC Sprinsky by CW2 Andrew B. Yacenda, Instr, Repro/Distr, MCD, TSD, on behalf of Warrant Officers of DMS both active and retired.



THIS CERTIFICATE OF NON-ACHIEVEMENT IS HEREBY AWARDED TO LTC WILLIAM "DOC" SPRINSKY FOR PERFORMANCE UNDER AND BELOW THAT DESIRED WHEN IN CONVERSATIONS WITH ARMY WARRANT OFFICERS. DURING THE PERIOD 19 AUGUST 1974 THROUGH PRESENT, LTC SPRINSKY EXERCISED EVERY EFFORT HUMANLY POSSIBLE TO ANTAGONIZE, DEMEAN, AND DEBASE DMS WARRANT OFFICERS RESULTING, TO HIS DISMAY, IN WARRANTS WHO ARE MORE PROFICIENT IN THEIR ABILITY TO DEAL WITH NON-ACHIEVING LTC'S, AND ALSO WARRANTS WHO ARE BETTER VERSED IN "BALDY" JOKES, "FAT" JOKES, AND "LTC" JOKES.

TO DEMONSTRATE THEIR SINCERE GRATITUDE, THE "REPRO" WARRANTS, ON BEHALF OF THE DMS WARRANTS, HEREBY PRESENT YOU WITH THE NON-ACHIEVER'S THRONE OF KNOWLEDGE. FROM THIS THRONE, YOU WILL BE ABLE TO COMPETENTLY FLUSH OUT PSYCHOLOGICAL DEFICIENCIES SUCH AS WARRANT-PARANOIA. THE ACCOMPANYING SPOOL FURTHER REFLECTS OUR GRATITUDE WITH ITS INSPIRED INSCRIPTION, "THANKS FOR ALL YOU HAVE DONE FOR US." AS AN ADDED BENEFIT, THE END OF THE SPOOL CONTAINS A GIFT CERTIFICATE FOR ONE HAIR COMB (WITH NO TEETH) SO THAT YOU WILL NOT FEEL SLIGHTED AT THE SWIMMING POOL LOCKER ROOM.



Upon presentation, in an impressive ceremony, LTC Sprinsky remarked, "I'm overwhelmed! Just think of the number of small, illogical and disconnected thoughts it took to come up with such a cohesive document. I'm sure our local gaggle of WOPA spent a considerable time on this tribute. Of course most of the time was nonproductive (arguing, forgetting what the discussion was all about, forgetting what the job was, forgetting their own and each others names), but there is nothing unusual about that. I've upgraded my opinion about Warrant Officers. They may, just may, be kindergarten level thinkers. Oh, by the way, I know our Director, COL Wintz, is very jealous of the signal honor that this represents.



# Uncle Claude's Course a Success

(Continued from Page 1.)

heard claiming that PAAP was the most intensively designed and managed effort DMS has done in recent memory. Actual instruction was proceeded by a variety of wet and dry runs, some of which were TV taped. CW3 Nohe's weight loss could be attributed to the number of times he had to run upstairs in Wheeler Hall to talk about coordinate systems.

Mr. F. R. Shirley from DMATC was particularly helpful in critiquing the dry runs with "Uncle Claude." Each instructor accepted the new teaching challenge and developed student notes, lesson plans and handouts. Rather than earning him compliments, one instructor was heard to threaten Ray Shirley with mayhem if he ever used "singular" in the same sentence with matrix. (Mr. Shirley was to be a student in the first PAAP class.)

After one postponement, the BIG DAY finally arrived. Mr. O'Neal found it difficult to sit at his desk and tended to smoke continuously. Carto's boss, Maj Kinnan, took the course as a student (and not one of the brighter ones at that). The students, in general, were charmed by Mr. Wilcox, MAJ McClatchey and Mrs Herbstreith; confounded and amazed by CW3 Nohe, Mr. O'Neal and LTC Sprinsky; educated and inspired by Mr. Light, Captain Sigmon, and Sgt Eaton; "blarneyed" by Mr. Mulholland, WO1 Carrigan, and Mr. Sullivan; mesmerized by LT Leath, SFC Wooldridge, and SFC Springer; and finally backed by Christ (Mr. Richard) himself. Aside from Mother Nature trying to snow out the proceedings, and the "snowed" feelings the students experienced occasionally, the learning objectives were fulfilled.

The Department of Cartography is grateful for the tremendous support of everyone, from Colonel Wintz (giving his initial blessing, with reservations, to the Course acronym) to Uncle Claude (sacrificing his Datsun for the Course).

Special thanks go to the:

- (1) Collator Kids.
- (2) John Houchins
- (3) Shirley Sundquist

Additional recognition should also go to the students, for carrying their 50 lb. notebooks to and from our classes, and to TSgt Hudak and his Tiajuana Taxi Service.



# CONTOUR

VOLUME 4 NO. 7

DEFENSE MAPPING SCHOOL

8 APRIL 1977

## Castle League Ends

by Jim Harnden

"Down But Not Out" was the continuing motto of this year's DMS bowling team as they nobly represented the School in the Castle League. The final night (21 Mar) found our team in 3rd place with the absolute necessity of winning two games to prevent a possible drop to 6th place. It was a pressure filled evening with the DMS team and its 4th place opponents (11th Engrs) splitting the first two games. As a result, the entire season was to be decided on the last game. Without belaboring the drama, a tremendous team effort gave DMS the victory. The winding down from their well deserved success had hardly taken effect when it was suddenly realized that the results on the adjacent lanes between the 1st and 2nd place teams provided DMS with an unexpected bonus - 2nd place. Our heartfelt thanks to the League winners - we have you in our sights for next year. Final standings, statistics



It's not over 'til I get my @##@# thumb out or here.

and comments will appear in the next edition. Congratulations to all team members and we wish to extend our thanks to Betsy Harkins, Mrs. McCullough and Danny Harnden for their moral support throughout the season. There were a few nights when they should have been inserted in the lineup instead of rooting for us.

## GAD SAYS FAREWELL

by Russell Henderson

Some folks are harder to say good-bye to than others, and that applies in this case. In presenting the Joint Service Commendation Medal to LI-1 Ed Adamczak, it was noted that he did an outstanding job during the three years that he was with us at DMS. To borrow a phrase from a famous radio commentator, let's look now at the "rest of the story."

Ed was one of those Navy men who spent most of his time at sea; in his case, it was about two-thirds of his service. Names like the Bremerton, Ranger, Sperry, and the Piedmont bring back memories of the many years afloat in the Pacific. Years well spent learning the many talents which he brought with him to DMS. Not to mention an amazing backlog of anecdotes, some of which he was able to use on the platform.

Adapting easily to the School method of instruction, Ed was soon on his own passing on his knowledge to fledgling reproduction equipment repair personnel. His students recognized that they were learning at the hands of a master; his peers knew it, and the USAES, acknowledged it by selecting him as Instructor of the Month in September 1975.

Besides having that strongest trait — that of being a true professional — Ed had some other assets his friends felt should be remembered. A strong will allowed him to completely stop smoking — at least for an extended period.



LI1 Adamczak receives JSCM from Mr. Mac.

That strong character also supported him well when confronted with the "obvious" personalities of some of his students.

Ed was constantly learning more about his field and always ready to pass on his knowledge. In fact, the rest of the story is probably best wrapped up in this one area. Ed was never too busy to help anyone.

Our loss will be the USNS Chauvenet's gain. LI-1 Edward Adamczak, may you always have fair winds and following seas.

## TENNIS ANYONE?

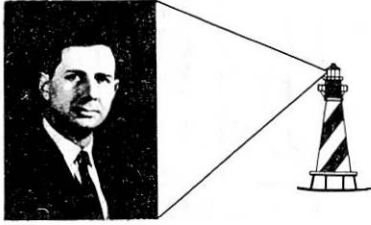
DMS is signing up people for Tennis Tournaments to be held 9 and 27 May. Interested people should contact SFC Springer, Ext. 43073.

## DMS GOLF TEAM

All interested military personnel (Army included) wishing to become a member of the DMS Golf Team, contact GYSGT Olson at 42285 no later than the 12th of April.



## From The Lighthouse



I vaguely recall from my High School days a short story called "The Silly Season," in which a newspaper reporter noted a rise in man-bites-dog and goldfish swallowing events as summer approached. This was in the days when my recreational reading was pretty well limited to science fiction anthologies and furtive peeks at the dog-eared and hirsute editions of "Esquire" at the barber shop. "Silly Season" was from the former, and depicted a progression of more and more serious happenings culminating in, as I recall, the explosion of the sun. They didn't fool around in those days.

Our own Silly Season occurs in May. Now, none of the events scheduled for that month are giggly-silly or capricious, but they do follow the long-forgotten scenario of escalating importance. We will have several distinguished visitors, the annual MC&G conference is scheduled, and we are due for a Director's Conference. It is rumored that we'll pull our IG late in the month (the explosion of the sun?), and I'm sure several other important items are waiting in the wings. In addition, there is an ancient Pentagon axiom that Action Begets Action; it's seldom that one walks away from a major visit or briefing with nothing new to do.

I guess the thing to keep in mind is that while the staff is running around with set jaws, furrowed brows, and wall-eyed stares, our basic business is still being conducted in the classroom. Hang in there, gang! We'll laugh about the (Continued on page 4.)

The Defense Mapping School Contour is an authorized Newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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 Director: COL Edward K. Wintz  
 Editor: Cathy McCloskey

About 3,000 surveyors and mappers began the month of March by attending the Annual ASP/ASM Convention at the Washington Hilton Hotel. The Convention, as usual, was a terrific success. I was very pleased to see numerous DMS faculty and staff, both military and civilian, touring the exhibits and filling their goodie bags with brochures, technical papers and information that will be useful in our instructional program. Major Herring's surveyors were eyeing the new Geociever and the total station instruments. Major Kinnan and his cartographers were all over the analytical plotters and interactive graphic systems. LTC Anderson and his crew of MC&Gers were keeping a keen eye on the new instruments for photo interpretation, as well as all the rest of the gear that the Topo Support System is considering. Mr. Mac's lithographers had plenty of typesetting and photo processors to hold their attention also. Lt Col Westphal came away with a very favorable impression towards the mapping profession and the national and international involvement that is typical of the mapping business.

I was particularly impressed with the progress being made in image processing, image interpretation and feature extraction. Each year marks some progress in the area that makes the digital picture element (Pixel) a more feasible solution to many MC&G applications. The Pixel is gaining prominence both technologically and economically speaking and promises to gain much DMA emphasis in the next few years.

Socially, several DMA people took in the always popular President's Banquet on Wednesday night. This year Wanda and I decided to take our two teenage daughters. Things were going real well until they decided that Dad should take more part in the music and dancing which was provided by Woodie Herman's Band. The remainder of the evening I was trying to keep my two left feet going in the right direction. I am sure glad it was not a pass or fail performance test, but I survived.

All in all, the Convention was a

tremendous success, and those who made it possible merit high marks for providing an outstanding program.

## MYSTERY PERSON



This cute, sweet, innocent little boy hails from Texas. He is still cute and sweet. Innocent? — I'm not too sure about that. He tells tales like the Texans do. He is the only person I know who has ever been in Germany when they had a "Texas Tornado." He has a heart of gold and has become a modern Robin Hood Haberdasher, taking from the well-off, and giving to the not so well-off. A long time member of DMS, he still hears buzzers in his head from the "good old days." If you have not guessed who he is by now, here is one more clue — He has been at DMS so long, that it is hard to say so long and he has got the um-um-um down pat. (How about that SGM!)

ANSWER TO 25 MARCH MYSTERY MAN



Cute and cuddly gave it away — last Contour's Mystery Person was Marine Master Sergeant Sutton.

# Instructor's Notebook



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## Color microfiche: a simple medium for effective self-paced instruction

by William A. Boothe

Sometimes when we design training programs, we get so caught up in the different possibilities for program delivery that we overlook the most obvious method. This article describes how a sophisticated learning program, which utilizes simple, easy to create audiovisual media, is solving a long time training need of a large retailer in the Midwest, The Gamble Store Division of Gamble-Skogmo Inc.



Figure 1: Gambles multimedia learning system

### What problem is being resolved?

Each Gamble Store is a "service-oriented" hardware store. "Service-oriented" means that customers can get the help they need to solve their "do-it-yourself" problems. There are 1200 stores located in 27 states. (Many stores in western states are in small towns that are remotely located.) Management's training problem is rather straightforward: They need a system which will train new and existing employees in product knowledge and sales skills so employees can help solve customer problems. The materials must be designed in such a way that they can be used where and when they are needed. Well, you can imagine the challenge to the training department in trying to meet the training needs in such a geographi-

*William A. Boothe is president of Learning Designs, Inc., a Boca Raton, FL-based business consulting firm which specializes in creating employee development programs for client organizations. Before forming LDI, Mr. Boothe was manager of management development and sales training for the Xerox Corporation.*

cally spread organization.

### What has been tried in the past?

For many years, Gambles has written and distributed comprehensive training manuals. These manuals, coupled with product catalogs and other descriptive literature, provide product and selling knowledge. Those people who take the time and make the effort to study this information can acquire the knowledge they need.

In addition, product knowledge and sales training have been available through seminars and group presentations to which dealers and store managers were invited.

### What are the results of past efforts?

Manuals do not seem to meet the training needs. The reason for this is rather simple: Manuals tend to be dry and not very exciting to read. This is true of almost any "textbook." So, even though the information is available in manual form, people generally do not read these materials carefully and completely.

Seminars held in various locations are also marginally successful. Here's why. With such a spread out network of stores, it seems to take forever to get around to everybody. In fact, it requires about a year to hold enough meetings on a given subject so everybody has an opportunity to attend. Even then, some people report that they have to drive six to eight hours in order to attend a three-hour meeting. In addition, seminars are generally attended by store owners only. Store employees, who in many cases need the training the most, rarely attend these seminars.

However, the greatest shortcoming of these seminars is the medium. A



Figure 2: Which do you prefer—two or 98?

three-hour meeting, even if it is held under ideal conditions, is not a satisfactory medium for transferring knowledge and skills. Seminars still have all the limitations of classroom "show and tell" that all training professionals are familiar with.

#### So, what criteria was used to determine the new system?

Gambles management decided that in order to meet the field training need, a system must be designed to meet the following criteria:

1. It must be individualized and self-paced so it can be used when and where it is needed.
2. It must be designed so that necessary review and testing is included to assure the achievement of learning objectives.
3. It must utilize hardware that is simple, reliable, and inexpensive.
4. It must not require a teacher or instructor.

#### Gambles systematic approach to learning

All the popular media have been investigated and considered. This includes video, sound on slides, super 8 films, filmstrip, and other devices and methods. The system that has evolved is shown in Figure 1.

This multimedia system consists of the following:

1. Color microfiche, utilizing the Kodak Easamatic reader, for visuals
2. Audio cassette tapes
3. Programmed instruction booklets utilizing latent image for answer feedback
4. Pre- and post-tests for each lesson (16 lessons, ½ hour each)



Figure 3: Using microfiche for "projected" visuals

#### A brief explanation of each part of the system

**1. The Microfiche for Visuals.** The training program shown includes two color microfiche, each with 49 frames for a total of 98 frames. Figure 2 shows the comparison of the two microfiche to the slides required if the program utilized 35mm slides.

Microfiche are easy to handle, easy to store, can't get out of order, and inexpensive to duplicate. A color microfiche containing 49 frames can be duplicated in quantity for less than 70 cents each. Compare that to the cost of slides.

The microfiche reader is a simple, easy-to-use machine, and should last indefinitely. It is ideal for individualized study. You can see in Figure 3 how the projected visual looks even in a fully lighted office.

**2. Audio Cassette Tapes.** Audio tapes are used with the microfiche to provide an audio-visual overview of certain sections of the program. Audio is also used as linear programmed instruction with student responses for building selling skills.

**3. Programmed Instruction Booklets.** Most trainers are familiar with programmed instruction and most have opinions about it. Programmed instruction is an efficient way to provide opportunities for student involvement with the material through repetition and immediate feedback which leads to learning.

A latent image process is used in this system to provide the learner with immediate feedback. First, the learner writes the requested answer.

The correct answer cannot be immediately read because it is masked



Figure 4: Repetition by writing responses

by a pattern printed in red. The red pattern is printed over the answer, which is printed in black.

After the learner writes an answer, a red acetate is placed over the correct answer so it can be easily read. This gives immediate feedback to the learner. Errors can be corrected and correct answers are reinforced.

**4. Tests.** Tests serve several purposes. First of all, the learner takes a pre-test before each lesson to find out if it is necessary to study the lesson. Obviously if the score is high, there is no point in the learner spending time studying material that is already known. If the score is low, the pre-test,



Figure 5: Immediate feedback using latent image

along with the post-test (which are matched for level of difficulty), serve as a way to measure the learning outcome.

Secondly, a supervisor can use the tests in a controlled way to administer the program, measure results, and give reward and encouragement as required.

This learning system meets the criteria set for it. It is portable and can be used wherever necessary. It is self-paced and does not require an instructor. It is based on clear objectives and is designed in a way to assure the achievement of those objectives. It is available to everybody, not just store owners. There are tests which allow the measurement of results. The hardware required is simple, not costly, and easy to use.

A very sophisticated system indeed, but easy to use. It makes the learner accountable — but makes learning easy. The system represents a true breakthrough in simplicity which meets the needs for the present and for many years in the future.

(Editor's Note: This article was produced as a prototype on PPO's WANG 2200S programmable calculator. PPO has available to all of DMS word processing capability to include: edit, reprint, right justify and right and left justify. Point of contact for use of this service is PPO's famous Chief Elf — Major Jay J. McClatchey.)

## SGM TOM HARRIS HELD SUSPECT

by An Investigative Reporter

### p. x. notes by SGM Bill Locke

For the past couple of issues, I've addressed various types of "specials". There's another type of special, however, that \*\*\*costs\*\*\* us money rather than saving it. That special is a person rather than merchandise, and is commonly referred to as a shoplifter.

The Exchange is no different in this respect than Sears, Woolco or any other civilian retail store. Shoplifting is just as dumb in one as another, and costs those of us who aren't one (shoplifter) just as much in increased prices. I suspected when I began the research for this article, that I'd come up with a clear cut picture of a "typical" thief, but found that in the case of the Exchange, at least, there really isn't a typical thief. Shoplifters are young, old, male, female, soldier, dependent, poor and rich. An apprehended shoplifter may just have paid cash for 50 dollars worth of merchandise while trying to "lift" a pair of \$1.75 earrings or a 12 cent can of shoe polish. Some seem to steal for the fun of it, the challenge, or element of intrigue, and some actually seem glad to have been caught.

My interview with Exchange Security revealed that while our shoplifter is probably more male than female, the latter performs best. The men tend to be teenagers or lower ranking service members, but run the full gamut of both age and rank. GI's take tapes, shoe polish and cigarettes while teenagers "cotton" to candy bars. Women tend to favor costume jewelry and drug items, but sometimes accept the challenge of a dress or other item of apparel, and more often than not are dependent wives. Occasionally, the culprits work in pairs, e.g., parents take "John Boy" to the PX and leave with a new suit of clothes for the young fellow, leaving the old ones behind. Now that's really starting them off right, isn't it?

All the usual tricks have been tried, so the following typical shoplifting tactics should not surprise you. Case #1: Customer buys new suitcase, opens box to check for possible damage, finds it O.K., thanks sales person and heads for checkout register. Along the way, our thief manages to pick up some things that find their way into the suitcase. Clearing checkout and leaving the store, thief is apprehended. Case #2: Customer steals an item in the Bolling AFB Exchange and returns it at Belvoir for a refund. That's one reason you and I have to furnish more and more information when we want to make a legitimate exchange, AAFES is trying to catch the crooks. Case #3: Customer is shopping for a particular item and notes that there's not much difference, appearance wise, between the lower priced item and the top of the line. Checking to see that they are unobserved, a quick price tag exchange is made and you have a \$50 clock radio for \$26.

The above are examples of the type of thing that are tried, and sometimes go undetected. Our Exchange has security persons on duty every day, all day, to guard against shoplifters who steal from our store. The security employee interviewed for this article is no novice -- over six years in the security business, starting in Europe, where after six months of special training the first assignment was in a German department store.

Not all security employees may be so qualified, but they know what to look for, how to look for it, and how to handle the apprehension. Apprehension cannot be made within the store, and physical detention is not allowed. The patron suspected of shoplifting is invited to return to the store  
(Continued on page 4.)

Have you ever noticed how SGM Harris is always the first to arrive in the morning? Have you ever wondered why his office is located near the front exit of Bagley Hall? Have you ever walked past his office when the door is closed and heard muffled conversations?

Well, I for one have always felt that the Sergeant Major is a suspicious character and so, it was no surprise to me when I discovered large plants, potted in Folgers coffee cans, growing in the DMS warehouse. These plants are growing in such an out of the way spot I immediately thought some snake was raising his own forbidden fruit.

Knowing that SGM Harris is an avid horticulturist and uses Folgers coffee, I felt obligated to question him about the tropical growth before reporting my suspicions to the MPs.

The Sergeant Major did admit that the plants were his, but insisted



on the "line" that the growths were not apples or ..... but tomato plants. (A likely story, huh?)

From past experience I have learned that when my job is in jeopardy, the best action is to drop the subject. I may be a "city boy" but I know tomato plants grow tomatoes and there is not one tomato in that warehouse -- just large suspicious greenery. After all, even I know that green thumbs can never be satisfied with one pot.

**P. X. Notes** (Continued from page 3.)

and await arrival of Military Police, but if this "invitation" is not accepted, Exchange authorities can only attempt to collect identifying data (description, tag number of car, etc) that may aid in the apprehension by MP's.

What happens if you're found guilty of shoplifting? You've probably lost your Exchange privileges and your ID card will be stamped in such a fashion that all who see it will know you've lost them. Further, a service member could face CourtsMartial; and a dependent or other civilian who may be authorized Exchange privileges, could appear in Federal court. Unfortunately, the civilian probably stands a better chance of "getting off" than a service member. Experience has shown locally that "liberal probation" is most often the end result. A service member is seldom so fortunate. Shoplifting is DUMB. DID YOU KNOW:

That the Exchange can't keep merchandise over six months? After that, item must be reduced, or returned to the vendor.

There's a "New Items" showcase in the entrance lobby of the Main Exchange so that you can quickly check on what's new in the store.

**WELCOME ABOARD**



Newly arrived in TSD, by way of a Florida vacation, is CPT Willie Hudson. Willie is an alumnus of the DMS MC&G Officer Course who is coming home after a tour with the 649th Engr Bn in Germany. While with the 649th, Willie served as the S-3, B Company Commander and with the 517th Terrain Detachment. Willie, his wife Linda, and son, Darryl, have moved into quarters at 1666-B Potomac Loop. Welcome aboard, Willie!

**FROM THE DIRECTOR**

(Continued from page 2.)

Silly Season when it's over.

As part of our ongoing Total Communication Program, we would like to clarify some of the more difficult terms used in this article for our Warrant Officers:

FURTIVE: Usual WO modus operandi.

CAPRICIOUS: WO modus operandi when not furtive.

HIRSUTE: Not the wife's clothing.

MAJOR VISIT: Not necessarily a visit by a Major.

ANCIENT: As in CW4.

GIGGLY-SILLY: As in WO1.

**NOTICE**

DMS Warrant Officers will be pleased to learn that their recent presentation to LTC Sprinsky drew notice and a congratulatory phone call on 28 March from General Roper. The General asked that his comments be passed to LTC Sprinsky while he was still flushed with success.

E.K.W.

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M	B	P	P	D	I	Q	R	I	E	I	M	A	G	E	H
E	O	H	L	A	Z	V	D	V	M	G	R	U	P	O	W
N	S	T	E	R	E	O	E	N	K	U	I	Y	O	H	Y
T	A	Z	X	Y	R	L	N	E	G	A	T	I	V	E	Y
C	O	N	T	N	T	O	F	F	S	E	T	H	B	T	D

Puzzle submitted by SP5 McKay.

- |                 |                |              |                 |
|-----------------|----------------|--------------|-----------------|
| 1. Angle        | 10. Geodetic   | 19. Image    | 28. Topographic |
| 2. Cartography  | 11. Photograph | 20. Negative | 29. Stereo      |
| 3. Color        | 12. Graph      | 21. Offset   | 30. Tests       |
| 4. Control      | 13. Grid       | 22. Level    | 31. PPO         |
| 5. Corner       | 14. GAD        | 23. Rod      | 32. Pug         |
| 6. Datum        | 15. Impression | 24. Radar    | 33. Point       |
| 7. Displacement | 16. Multiplex  | 25. Press    | 34. Survey      |
| 8. Drafting     | 17. Meter      | 26. Type     |                 |
| 9. Azimuth      | 18. Maps       | 27. Terrain  |                 |

# CONTOUR

VOLUME 4 NO. 8

DEFENSE MAPPING SCHOOL

22 APRIL 1977

## THE CARE AND FEEDING OF DMS FORM 13

(An interview with the Junior Elf of Elf Hollow)

Our beloved Form 13, the son of the US Army Engineer School's 1972 version of their Form 69, evokes no mild response. Most DMSers scream and rant at the mention of the number thirteen and violence is escalated when that number is associated with the word "form." A few, mainly from Elf Hollow (the backroom at PPO) love all those beautiful (and meaningless to the uninitiated) numbers. The job of SSG Frank Bruley, Junior Elf, is to analyze those numbers and provide input to routine reports we make to DMA, DA and USAES. We thought that the Junior Elf's side of the Form

13 story should be told and interviewed him in his lair. We have recorded SSG Bruley's first reaction to each question in parentheses (for posterity).

*(Editors Note: In the following question and answer interview, the C identifies the Contour and the SB is SSG Bruley.)*

C. What do you do with the numbers from the Consolidated Form 13? SB. (None of your business.)

The infamous Form 13 is our report card. With it, we report

the Defense Mapping Agency. Some of the major categories in DMIS/P are only used by us, some, particularly in accounting for base operations and mission support, are common to all components. The system has three levels; from broad categories like "MC&G Instruction" to specific reporting elements like "MTT Instruction."

C. Why don't we report in DMIS/P category if that is all that is being sent forward.

SB. (I don't know, I just work here.)

That's a good question. The Form 13 requires a lot more detail than the DMIS/P and this is primarily because that detail is used at DMS as a management and programming tool. This additional information (Continued on Page 5.)

## DMS DAY

The 5th Anniversary of DMS will be celebrated 1 July 1977. If you have any unique ideas for the DMS Day Ceremony, let's hear them! Forward all your suggestions and recommendations to SGM Harris.

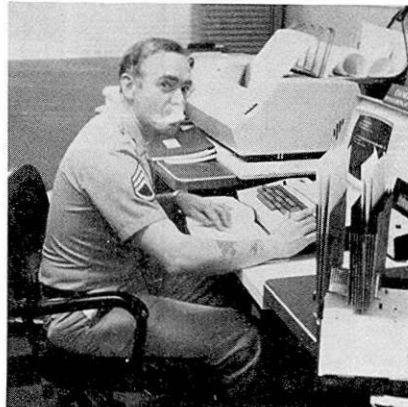
This is the day that three people are honored as DMS People of the Year, representing all the outstanding people of DMS. They are selected by an appointed Selection Board from recommendations submitted by any member of DMS. One officer, one enlisted, and one civilian employee will be selected. The basis for recommendation and selection will be as follows:

(1) Individual's contribution to the School.

(2) Work habits and self-development, to include attitude and responsibility.

(3) Must have been assigned to DMS prior to 1 Jul 76.

Recommendations for these awards will be submitted to LTC Radu (Chairman) by NLT 24 Jun 76. If you want to insure the most deserving people are selected, make sure you submit your recommendations.



Bruley fumes over late Form 13's.

how our most important resource, the efforts of our people, is used. The data from the Form 13 is arrayed for three purposes. These are:

1. Internal Management and Analysis.

2. Reporting in Defense Management Information System/Personnel (DMIS/P) format.

3. Reporting to other interested activities, such as the Engineer School.

C. What exactly is DMIS/P? SB. (I don't know.)

DMIS/P is a system for portraying the way we use our manpower (person power?) resource, in a format common with other components of

## SPECIAL EDITION MARKS DMS FIFTH

1 July 1977 is the Fifth Anniversary of the Defense Mapping School. A special addition of the Contour will be published as a memento for recipients of the paper, the past and present members of DMS.

To make this special edition a unique DMS people's paper, support and assistance will be required from everyone. Articles reminiscing about the good old days, articles about notable events that have transpired in making DMS the outstanding School it is, and human interest type articles are just a few examples of what we need.

Take part in making this a very special edition by submitting your ideas, articles, photographs, and suggestions/recommendations to the Editor of the Contour.

This can be a great Fifth Anniversary for DMS with the help and support of the people assigned.



We are in the midst of a huge batch of actions down here in Bagley Hall. It's tempting to point out in a patronizing tone that it would be nice to reside in the calm waters of one of the teaching departments. The only problem is that whenever I visit them for a little peace and quiet they are bustling around setting up for a tour, writing a briefing, or trying to cope with PPO's latest requirement. I'm sure that with a little management the Departments could be much more tranquil and it could then be revealed that I'm the only truly harassed person at DMS ("Ah, yes," says the Small Still Voice, "but if YOU applied a little management....." Us truly harassed persons are even harassed by Small Still Voices.).

This edition marks the last Contour under the steady and capable hand of Cathy McCloskey. Cathy is moving to our Graphic Arts Department after being selected for their Upward Mobility position. We kidded her last year about being indispensable during her hospitalization, but she comes as close as anybody at DMS. Some of our readers may not be aware that she also served as our Student Affairs Coordinator, and has done a superb job in this sensitive and critical capacity. In any case, the Contour has come a long way from the usual This-Week's-Awardees and Everything-Is-Fine syndrome which plague most house journals. This is due to Cathy.

Responsibility for the Contour will be shared by PRT for the next edition, and then PRT will be on their own until PPO fills the vacated position. I have told PRT that they must aspire to a degree of sophistication above the Hermit Named Dave level.

One last point: Rumor has it that Cathy is moving from PPO to the pressroom because the language is less raunchy.

## FROM THE EDITOR

As most DMSers already know, this is my last edition as Editor of the Contour. I applied for and received a new position within DMS that will take me back to a teaching department.

The past 16 months have really been an experience I am not likely to forget for a long time. I knew nothing about running a newspaper when the job became mine (and there are some who would say I still don't). However, it has been my good fortune to learn a lot along the way, not only about the newspaper business, but also about people.

Special thanks go to my little buddy, John Houchins, whose patience and good humor saved both of

us from many near-nervous breakdowns. Also those swell guys in GAD, especially in camera and press, who did such great jobs. Believe me, it was not easy considering some of the "stuff" I gave them to work with. You all helped me to learn, and I am grateful.

The new Editor, at least for a temporary period, will be Jim Harnden, in PRT. Jim has been with DMS since 1974 as a civilian. He was an Instructor and Course Manager for the Advanced Geodetic Surveying Course until December 1976 when he joined the PRT staff as a Writer/Editor.

I hope each of you will give Jim your full support and cooperation. Look upon the Contour as a way to get acquainted with one another and to find out the latest in mission changes and mischief.

*(Phew, now I can sit back and crab about the Contour.)*



by SGM Bill Locke

I'm sure you've noticed the "ground breaking" at the Main Exchange by now. If you've a memory like mine, you've also tried to enter the Exchange parking lot by Specker Field House several times, saying to yourself, "Self, why can't you remember?". We'll have to get used to it I suppose, as current plans do not include the re-establishment of that ingress. Unfortunately, that's not the only inconvenience we'll have to suffer,

but it's all for a cause ('cause that's the way it is).

Mr. Seay, Exchange Manager, and Mr. Bartley, Retail Manager, are as excited about the new addition as a new father about his first son. Providing approximately 13,000 square feet, it will be divided about in half between stock and selling space. If everything goes according to schedule, the grand opening should be around the end of October. Seems a bit optimistic doesn't it? Well, near around-the-clock, seven days a week construction will start soon in order that all will be in readiness for the Christmas shopping season.

While the new addition will be welcomed by us shoppers, it will be inconvenient around mid-summer. As soon as the concrete slab is finished (or thereabouts) you'll be seeing some or all of the East wall disappearing and minor construction will begin within the Main Store as the present stock area will begin its 6,000 square foot expansion which will cause things to be moved around a bit (probably an understatement). It had been rumored that the store may be sans air conditioning during all this, but Mr. Bartley says that's only rumor and at this date (12 Apr) is unfounded.

I've talked at length of inconvenience so it's time to tell you what the "bad times" are going to get us in the end. First off, we'll have a Self-Service Shoe Department and the Sewing Center will be moved from its present location into the Main Store. Among other plans, is one that will give Belvoir shoppers a brand new Decorator (Continued on Page 6.)

The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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Director: COL Edward K. Wintz

Editor: Cathy McCloskey



## MYSTERY PERSON



This issue's Mystery Person is known throughout DMS as the "Rose amongst thorns" of his Department. He has made several changes in his lifetime and is shedding his winter blanket in preparation for an impending season of fun in a very large area nightclub. Although he is often blue, he puts an extra cheery accent on all that he says and does. If all these clues haven't solved the mystery, the problem wouldn't take long for him to master.

### ANSWER TO 8 APRIL MYSTERY PERSON



Our Texas Tornado is a legend in his own time — SSG Gene Willis of OAR.

## "CONGRATULATIONS NEW MASTER SERGEANT - APRIL FOOLS"

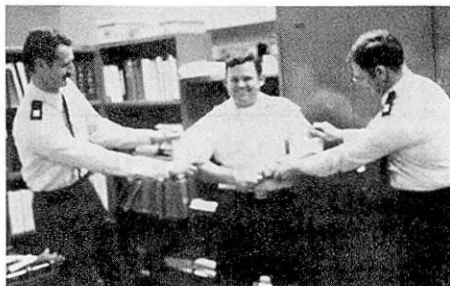
by Andy Yacenda

No joke! That's how it happened Friday, 1 April 1977. TSgt Ralph (Mouth) Ruetze was promoted to Master Sergeant (E-7). Ralph wasn't kidding when heard to comment that he "was a permanent E-6" because when Air Force Captains Baird and Moulton proceeded to remove Ralph's old rank insignia, parts of his shirt came with it — as well as his Tee-shirt and three (3) layers of skin. The new MSgt stated that he's buying next Friday — a new shirt that is!

All kidding aside, although it may seem that Ralph has been a TSgt all his life, it has really only

been six (6) years and, actually Ralph is ahead of most of his contemporaries — promotionwise that is.

Ralph, Chief "Gopher" and "son" of CW2 Yacenda, has had the distinct, but dubious, pleasure of teaching the Mapping, Charting and Geodesy Officer Course. As a matter of fact, Ralph has taught more hours to MC&GOC than all other NCO's put together. This is no small feat for an "enlisted swine" (his words - not mine!) when you consider how difficult it can be for an NCO to tell an O5 to sweep the floor or clean his desk. Ralph has what it takes and we hope he keeps it - whatever it is. Good Luck, Son!



Left Photo: MSgt Ruetze has old stripes removed by Capt Moulton and Capt Bair. Right Photo: Ralph Ruetze receives his new MSgt stripes from LTC Anderson as MAJ Shane looks on.



## COMMISSARY NEWS

For those who were not aware, another DMSer who is very active in the Ft Belvoir community is SSG Gene Willis. Gene is on the Ft Belvoir Commissary Advisory Committee and has promised to pass on some helpful hints in future articles. Some items brought up at a recent meeting were:

(1) There is a problem in only being allowed to take one basket into the Commissary at one time, since some patrons require two. If the patron will take a full basket to the cashier at Register 1, he or she will be given a second basket.

(2) Some baskets are missing numbers. Mr. Rimm, the Commissary Officer, said that some of the baskets had been steam cleaned, with the contractor providing unnumbered baskets as a substitute. This problem should have been alleviated by now.

(3) The 'one-way streets in the parking lot are not clearly marked, creating a dangerous situation, especially along the road running beside the Motor Pool. Mr. Rimm will ask the Provost Marshall's Office to put up more one-way signs.

These are just a few of the comments made at the last Commissary Advisory Committee Meeting. If you have a complaint, favorable comment, or a suggestion, write a letter to the DMS Representative SSG Willis of OAR and it will be voiced at the next meeting. You will receive an answer to your question.



A Public Service of the newspaper & The Advertising Council

# Make it all better.

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## \$490.00 AWARDED FOR SUGGESTION

by SFC Luke



Capt Moulton receives certificate and check from Lt Col Westphal

Capt Dave Moulton is our latest proud recipient of the DMA Certificate of Commendation for a suggestion. The presentation was made by the Deputy Director at a ceremony in his office on the 13th of April.

Capt Moulton suggested the use of the MOM gyrotheodolite (a theodolite that gives you geodetic north and thereby enables you to determine the azimuth of a line using that north) to conduct check surveys of the Short Range Attack Missile (SRAM). In addition, conducting checks of all missile sites in a geographic region in one deployment, thus improving efficiency and reducing transportation costs, was also included in his suggestion.

Under the old method of conducting check surveys, it took three people four days on site to check one missile site. Under Capt Moulton's new method, it takes one person approximately eight hours to conduct the same check survey. First year savings to the government was estimated to be \$8757.00 and Capt Moulton received \$490.00 for his efforts.

## "JACK OF ALL TRADES" DEPARTS DMS

by Will Freeze

Although he is listed on the roster as SFC Russell C. B. Ewing and answers to the nickname "Russ," he definitely has been a "Jack of all trades" during his tenure with the Construction Survey Division. Consider the multiplicity of courses he has written, designed, taught, supervised, and attended throughout his assignment from March 1969 through April 1977, and you can fully comprehend the full meaning of our caption.

Russ attended the Instructor Training Course (ITC) shortly after



SFC Ewing receives JSCM on 6 Apr.

## "Take Your Theodolite - Go Jump in the Ocean"



Captain Drummond presenting diploma to MC&GOC graduate.

by Andy Yacenda

"Take your theodolite and go jump in the ocean" is what Captain Scott E. Drummond, Jr., USN, Director, DMA Hydrographic Center told students of Class 77-1, Mapping, Charting and Geodesy Officers Course during graduation exercises on 30 March 1977. Did he say that because there were no dark blue suits in the graduation class? No.

Captain Drummond, known in higher circles as the "country boy" (from Long Island?) was stressing the need for more hydrographic surveying. Captain Drummond, indicating that because ships are much larger now than ever before, their drafts (I think that's the right word) are much larger and go much deeper than before requiring much more accurate information pertaining to the ocean (Continued on Page 7.)

arriving here at the Engineer School and immediately thereafter became a primary instructor in the Construction Survey Branch of the Department of Topography. (For you younger members of DMS, that was our name prior to 1972.) As an integral part of the Engineer School, we were involved with a great deal more courses in support of the other departments of the Engineer School than we are now.

Russ found himself teaching here at Wheeler Hall and Humphreys Hall as well. He was continuously jumping from classes in Construction Surveying for the basic 82B20 course and also the Engineer Non-commissioned Officers Basic Course and Advanced Course, the Engineer Officers Basic and Advanced Courses; and during the Vietnam conflict and build up, he designed a special Construction Survey Course of an advanced type for NCO's and construction supervisors.

(Continued on Page 7.)

# DMS FORM 13

(Continued from Page 1.)

mation lets us compute estimates of time required for preparation and support of blocks of platform instruction, account for hours spent in doctrinal support of the Engineer School, and look at overtime hours and where they are being expended.

C. What is that computer sheet that has some of our numbers on it, by Department?

SB. Actually there are two sets of sheets produced each month. One set (which takes over an hour to



process) produces 6 pages of numbers for Department and Staff — 30 pages in all. For each Department your Form 13 hours are accumulated in the appropriate DMIS/P category. All these hours are displayed in all the ways that we have projected manpower expenditures, to ourselves and others. This is necessary so that we can make periodic judgments, not only on how good a job we're doing, but also how good our projections are. (Chances are, if we don't adjust our projection for this year based on experience — next's years projection won't be so hot, either.)

The other set of sheets are a simplified analysis of the "Big Report" that is provided to Department Chiefs to help them in their analysis or what has happened and what should happen next. In addition to all the hours for the previous month, displayed by DMIS/P categories for each Department, the distribution of efforts is shown and, finally, categories are grouped into logical groups (like "Resident Instruction," "Doctrine," ...) and displayed.

C. What about the students, who does those hours?

SB. (I do. You know that already, why are you asking the question, you trying to throw me off?)

C. How do you figure hours for students that the Departments drop?

SB. (With difficulty.)

This is done in the same way I do the student hours. Using the current POIs for our resident courses, I can compute the number of hours a student spends on an entire regularly scheduled DMS course or any part of that course. A "drop" stops attending regular instruction on some specific day and I compute the hours we "earned" on that student from the course start to that day.

C. What's the difference between course design and instructor preparation for a given lesson?

SB. (I don't know.)

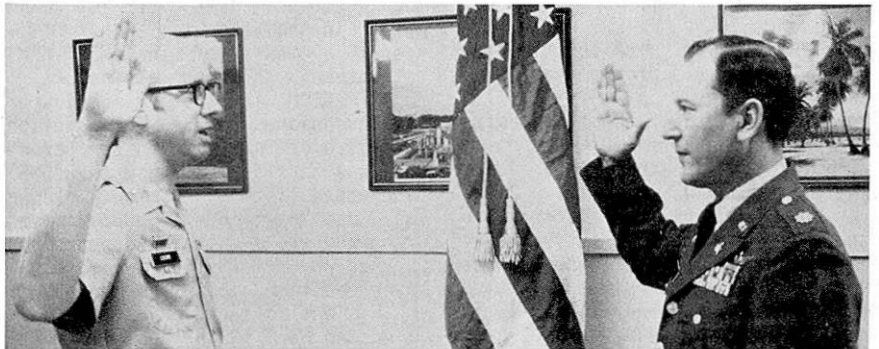
Within the DMA reporting system, dollars and manpower are allocated to two broad areas of production: New Production and Maintenance Production. Within DMS our production is MC&G Schooling. Schooling consists of two general areas: Instruction — the equivalent of New Production, and Course Development and Technical Services — the equivalent of Maintenance Production. The time spent by our people on Instruction, to include instructor preparation, can be readily translated into Student Manyears,

our bread and butter, whereas time spent on course development cannot be quantified. You may have noticed the NQ in the heading of the Form 13; that is what it means, non-quantifiable, cannot be translated to Student Manyears. It makes sense if you consider that the instructor on the platform or preparing for the platform relates directly to the student whereas the instructor who is revising a course or preparing a new course relates to the student indirectly. An instructor studying a lesson plan in preparation for instruction is contributing to "New Production." An instructor writing a new lesson plan contributes to "Maintenance Production."

C. Why do you require overtime to be logged if it's not being paid for?

SB. (I'm a soldier; over-what?)

Overtime helps us identify areas where reprogramming may be required. Consistent expenditure of hours over the regular eight per working day, allotted each DMS person, may show that a specific area needs Department or School attention, or perhaps reassignment of responsibility. There are some people, my boss for one, who insists on doing some required tasks, like preparation for instruction, on an overtime basis. These cases of personal choice are usually (Continued on Page 6.)



## SGM LOCKE "RE-UPS"

by Jim Harnden

The DMS version of "I Do, I Do" was presented before a select audience on Monday, 4 April, in the PRT Little Theater. SGM Locke performed so well in the lead role that he is being held over for six years. In major supporting roles were LTC Radu as administrator, SFC Newman (USAECBDE Reenlistment NCO) as legal advisor and COL Wintz as the "Director."

It was reenlistment time for the "Boomer" and, after 20 years of service, the decision to raise the right hand, once again, requires a little more thought. The determining factor, this time, according to SGM Locke, is the possibility (remote) of being allowed to play with the DMS softball team this year. For whatever reason, we're glad he will be with us a while longer.

Following the brief ceremony and the normal signing of numerous forms, in triplicate, a special cake was quickly consumed by the non-weight watchers of Bagley Hall.



## DMS FORM 13

(Continued from Page 5.)

fairly easy to pick out, leaving those potential problem areas I just mentioned.

C. What's this about new Forms to replace the Form 13?

SB. (I thought they were lost; where are they?)

Would you believe it's still in the works? Designing a systematic way to record manpower expenditures, without making it so complicated that no one can understand it, is no easy task. We're close, and hopefully this Quarter we can reconcile the few differences remaining and go with the new system. (Did I say this same thing Last Year?)

C. Why do we have to report the work done in 5B? Who do we report this to?

SB. (Because LTC Sprinsky told you to.)

Many people outside of DMS don't realize how much effort it takes to keep our resident courses of instruction current. Changing and adapting instruction to the changing needs of our students and the Services is an important part

of producing trained Service people. The time spent in support of the Engineer School in the development of doctrine, like our TC 30-10 "Terrain Analysis for Staff Officers," elements of the CMF81 EPMS structure, and our assistance to USAMERADCOM in testing equipment and techniques for Service adoption, are also of interest to our parent headquarters as well as within DMS. The added listing, commonly known as the "partridge in a pear tree" report, along with the hours reported on Form 13s allow me to answer questions in this area.

C. Why so short a fuse on getting the Form 13 in?

SB. (Because we have short fuses which your short fuse answers.)

C. What is the difference between MTT presentation and unit evaluation or technical assistance?

SB. (Read the back of the Form 13.)

As I pointed out previously, any type of instruction presentation can be translated into student hours. Time spent on technical assistance, such as repair of equipment, supervision of students in support of USAES or evaluating the performance of an organized unit is not teaching time.

C. What If I report my 8 hours just anywhere? After all, I can

hardly be expected to keep track of all those things my boss tells me to do; let him keep track of my assignments, he knows best which category they fall into.

SB. (If you value your life you will put your hours in the right place. Are you also trying to tell me that you don't know what you're doing and your boss does?)

Smart comments aside, manpower reporting is an important function performed by the DMS staff. The accuracy of these reports depends on diligent reporting on our beloved Form 13, which is the job of Every DMSer.

## PX Notes

(Continued from Page 2.)

Shop. This specialty shop will feature such color coordinated decorator items as drapes, bed spreads, slip covers and other, too numerous to mention, decorator accoutrements.

Store personnel ask your patience, understanding and cooperation during the coming months. A 13,000 square foot building is easily conceived but the labor pains are usually pretty bad. Above all, after all, (whatever), we ask your continued patronage.

DID YOU KNOW?

Speaking of Sewing Center - the AAFES Sewing Center program is now in its fourth year and totals some 235 centers. Ultimate goal is a Center in every Main Store.

Going to Alaska? Cigarette sales in Alaska to military personnel will not be exempt from taxation after 1 April.

For the first three quarters of FY 77 (Feb - Oct 76), AAFES worldwide sales were 2.3% above same three quarters of FY 76.

PX sales support (indirectly) the DMS picnic (Welfare Fund).



## "JACK OF ALL TRADES" DEPARTS DMS

(Continued from Page 4.)

In February 1970, he made E-7 and continued to apply himself to a seemingly unrelenting schedule of instruction, managing to sandwich in some time for training as a student also. During his stay here he has successfully completed the Training Supervisors Course, the Platoon Sergeant Orientation, the MOS Test Writers Course, a course

in computer technology and the ENCOA course.

His writing achievements and contributions have been television scripts, programmed texts, and systems engineering of the 82B20 course. The unending list of contributions of such a diverse nature has led to his present position of Senior Training Instructor and his promotion (which is soon to be forthcoming) to 1st Sgt, E-8.

He is leaving us for assignment in Korea as the 1st Sgt of Co C, 802nd Engr Bn Combat Hvy, at the end of this month. His wife and children will remain in the Alexandria area to await his return. We of the Construction Survey Division will miss Russ and his many faceted capabilities, but we realize that our loss will be the 802d's gain. They are receiving the best we have for any task large or small. "Good-bye, good luck and God bless you, Russ, you'll soon be gone but not forgotten."

## TAKE YOUR THEODOLITE

(Continued from Page 4.)

floor. Also, due to storms, the attitude of sunken ships frequently changes causing their masts and superstructures (there's some more of those non-Army terms!) to protrude up from the ocean floor causing hazards to passing vessels. Captain Drummond's address was very informative and interesting. Unfortunately, he was not able to recruit any of the MC&GOC students — none of them know how to swim. All of the MCD instructors considered enlisting since they all know how to swim — keeping their heads above water is a way-of-life for them.

After Captain Drummond completed his rousing address, he presented the students with their diplomas. Top honors were presented to Captain James O. Kievit, the Distinguished Graduate, and Captains Donald K. White and Charles B. Wilson, the Honor Graduates — they paid for the beers.

A hardy thanks to Captain Drummond, from MCD for giving such an interesting address — even if I don't know what a superstructure is. We hope to see him again soon.

**ZERO**



**ON**

**SAFETY**

## I SHALL NOT PASS.....

And it came to pass,  
Early in the morning toward the last day of the course (MC&GOC),  
There arose a great multitude smiting the books and wailing,  
And there was much weeping and gnashing of teeth,  
For the judgement was at hand.  
And they were sore afraid, for they had left undone  
Those things which they ought to have done.  
And they had done,  
Those things which they ought not to have done,  
And there was no help for it.  
And there were many abiding in their BOQs and Government housing  
Who had kept watch over their books by night,  
But it availed them naught.  
But some there were who arose peacefully,  
For they had prepared themselves the way  
And made straight paths of knowledge.  
And these were known  
As wise burners of the midnight oil.  
And to others they were known as "curve raisers."  
And the multitude arose  
And ate a hearty breakfast.  
And they came to the appointed place.  
And their hearts were heavy within them,  
And they had come to pass,  
But some to pass out.  
And some of them,  
Repented of their riotous living and bemoaned their fate,  
But they had not a prayer.  
And at the last hour there came among them  
One known as the instructor; and they feared him exceedingly.  
He was of the diabolical smile,  
And passed papers among them and went his way.  
And many and varied  
Were the answers that were given,  
For some of his teachings had fallen among fertile minds.  
Others had fallen among the fallows,  
While others had fallen flat.  
And some there were who wrote for one hour,  
Others for two;  
But, some turned away sorrowful, and many of these  
Offered up a little bull  
In hopes of pacifying the instructor,  
And these were the ones who had not a prayer.  
And when they had finished,  
They gathered up their belongings  
And went their way quietly, each in his own direction,  
And each one vowing unto himself in this manner;  
"I shall not pass this way again!"

Author Unknown  
U S A F

# Instructor's Notebook



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Lozanov's important "Authority Principle":

## It's how a trainer acts that counts most

A few years ago, a group of researchers did a sneaky thing. They hired an actor, pumped him full of medical and pseudo-medical terminology, and put him on the platform at a medical education conference. Pseudo-medic "Dr. Fox," nee Actor Michael Fox, emoted, enthused, told stories and anecdotes, and warbled on in a pidgin medical jargon for over half an hour. At the end of the session, Dr. Fox's presentation and the other presentations from the session were rated and ranked by the audience, an august body of medical educators. The results? The Dr. Fox lecture was rated as the most interesting, stimulating, and informative session presentations.

When the ruse became known, there were some predictable reactions. A number of academics were outraged and threatened. Some pointed to the results as evidence against using student reactions to evaluate instructor competence. But some wily researchers set out to see if the "Dr. Fox Effect," as the results of the original shenanigan have come to be known, could be harnessed and used.

In a number of "Dr. Fox Effect" studies, investigators have found that, in fact, students who see high expressive lectures perform better on achievement tests than do students who see low expressive lectures. On close examination, it appears that there is some conceptual similarity between the "Dr. Fox Effect" and what the Suggestology advocates call the principle of "Authority" or "Authoritativeness." The key to the similarity is the concept of source credibility. If a lecturer, teacher, trainer or even a book is easily or readily believable as a source of truth, he, she

or it is a credible source.

Ease before a group, rate of speech, ability to answer questions, use of humor, and a show of enthusiasm for the subject matter have all been shown to be factors which lead students to credit an instructor with subject matter competence. This credence or perceived competence is roughly what Suggestology buffs refer to as "Authoritativeness." There is also an entertainment factor present in the "Dr. Fox Effect," but the sense of Authoritativeness is an equally important element.

How important is the Authoritativeness factor? Neither the Suggestology nor the "Dr. Fox Effect" research have yielded an estimate of the percentage of learning one could expect to lose if an instructor is perceived as *not* being competent or authoritative. Some recent research by Reed Williams of Southern Illinois University and John Ware, Jr. of the Rand Corporation does, however, add a little perspective to the question.

Williams and Ware asked the original Dr. Fox, who must be making a good living these days as a walking independent variable, to videotape six lectures. The lectures were delivered in either a high expressive or low expressive fashion and Fox covered either a high, medium or low number of teaching points in the lectures. In addition, the researchers added incentive conditions to the design. Either just prior to or just after viewing the lectures, students were told that they could earn a nickel an answer for correct answers to a 26-item quiz covering the lecture material. This in addition to a one-dollar award for attending the lecture and filling out

an opinionnaire regarding the material and the way it was presented.

Student achievement was found to be most directly related to the amount of content covered in the lectures. Students who were told about the incentive before the lectures did better than students who were told about the incentive plan after the lectures. The high expressive lectures, regardless of the amount of content covered, were rated highest in likability by those who found out about the incentive plan after seeing the lecture. The low expressive and low content lectures were the least liked lectures and resulted in the poorest achievement test scores. There was no difference in satisfaction ratings for the high expressive lectures regardless of the amount of lecture content. Amount of content only affected satisfaction ratings when the lecture was of the low expressive type.

How influential is the Authoritativeness variable? If the "Dr. Fox Effect" research is a fair corollary, it seems to be less important or influential on student achievement than putting some cash for learning on the line. When earning for learning is added to the stew, students are able to learn enough to earn a lot despite the dullness and bumbling of the instructor. On the bright side, though, students still report that they enjoy the experience most when the instructor puts on a "really big shew." — Condensed from "Validity of Student Ratings of Instruction Under Different Incentive Conditions: A Further Study of the Dr. Fox Effect," Reed G. Williams and John E. Ware, Jr. in *Journal of Educational Psychology*, 1976, Volume 68, Number 1.

# CONTOUR

VOLUME 4 NO.9

DEFENSE MAPPING SCHOOL

MAY 6 1977

## INSTRUCTOR OF THE QUARTER

Claudius O. O'Neal was autonomously selected Instructor of the Quarter for the 1st Quarter of Calendar Year 1977. He is assigned to the Department of Cartography. Despite the tizzy Major Kinnan is presently experiencing awaiting the latest addition to his family, he beamed with pride when one of his Department stalwarts received the accolade.

When the name Claudius O. O'Neal is first mentioned to the unknowing individual it conjures up images of amorphous beings from the Holy Roman Empire and you expect to see a toga-clad individual, wearing a laurel wreath, riding a chariot across the colosseum to do battle with the ferocious beasts let loose by some nefarious emperor — but, alas, you meet a helluva fine guy, somewhat disheveled, who goes out of his way to help you solve a problem or even give you a lift to your destination.

There are those who question that last statement about a lift to their destination because, when they see the conveyance, they think they will meet their "final" destination — a festering boil looks antiseptic compared to the vehicle. This pick-up truck of unknown vintage was evidently abandoned during



the Battle of El Alemain in North Africa and even the retreating Germans passed it by. But, with a tender heart and loving care, Claudius O. had it restored in the desert country of the Texas panhandle (to provide authenticity and yet retain the "rustic" flavor).

When those disrespecting ones cast disparaging remarks and compare his pick-up to the acme of dilapidated and disrepaired vehicles, he will readily tell you in defensive tones that it starts and runs in the most violent winter weather and you seldom see any other vehicle on the road — Nobody has the heart to tell him why they avoid the pick-up like the plague.

But, all joking aside, Mr. O'Neal has held some mighty prestigious positions prior to coming to the Defense Mapping School.

At NASA in Houston, Texas his unique ability to marry up computer technology with distant imagery, solved the problem of our becoming as familiar with the craters of the moon as with the mountains of the earth. His contributions to the solutions of the mysteries of space has helped open new horizons for our imagination.

The DMA Topographic Center, (then the Army Map Service and Topographic Command) realized his unique talents early in his period of employment, and his mathematical and analytical wizardry was applied to the solution of strip and block adjustments of standard, extra terrestrial and space imagery.

Although Claude's selection as Instructor of the Quarter was based mainly on his superb contributions to the Principles and Applications of Analytical Photogrammetry Course, he was actually receiving recognition founded on a lifetime of service to the Mapping, Charting, and Geodesy Community.

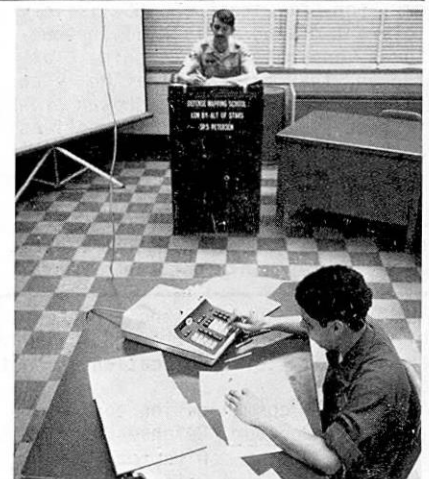
We at DMS are fortunate to have so talented an individual in our midst.

## THE END

by CW3 Nohe

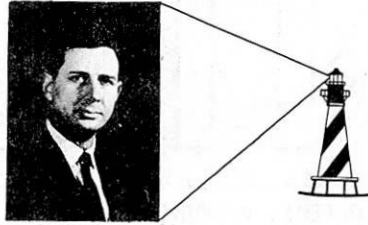
SP4 Rafael Aburto, Class 501 FY 77, Geodetic Computing Course put the finishing touches on his Astronomic Longitude Computations Examination, as SP5 Scott Petersen proctors. In doing so, he becomes the last student to complete the last exercise in the last Geodetic Computing Class. As a result of the simultaneous actions by the Army and the Air Force, combining the Geodetic Surveyor's and Geodetic Computer's jobs under common Specialty Codes, most of the material from the Geodetic Computing Course has been integrated into either the Basic or Advanced Geodetic Survey-

ing Courses. Consequently, the Geodetic Computing Course is now redundant. The Geodetic Computing Course has been presented in the Department of Topography and Defense Mapping School for over 30 years. It was the first course to be "Systems Engineered" in the entire CONARC (now TRADOC) School System, and the Lesson Plan for Grid and Declination Computations will be remembered by old-timers as the guideline for the "Panic of '71". The teaching section, over the years, served as home for some of the most memorable homesteaders: Tom Beeman, Ron Coleman, Jim Edwards, Clay Kruck, and Bill Dean. What other excuse ever existed for an IME 84?





## From The Lighthouse



A certain conservative columnist from Hardscrabble, Virginia, does one of the better jobs at reporting the natural events of the Spring season. He knows the names of the flowers and birds that go about their business on these beautiful mornings, and is unashamed at devoting precious column-inches to their description. Being of technical bent, I can do little in a lyrical way to itemize the joys of the Vernal Equinox; I need the Sergeant Major's help to identify the common squirrel. Still, it is a joy to walk up to Wheeler Hall these days. Weekends now mean lawn-mowing, cooking over the charcoal grill, and furtive plans with the kids for summer vacation. SFC Fanning reports a brisk business in leave forms, and the old hands are looking through travel folders with a faraway gleam in their eye. Students no longer envy the snug pressman; surveying is now the thing to do. It's a beautiful time of year at Fort Belvoir.

We just said goodbye to three old friends from the Department of Earth, Space, and Graphic Sciences at West Point. Teaching at the Military Academy is a great preparation for almost any subsequent military assignment, and I've been frequently struck by the similarity between my tour there and what our instructors do here. The work load is very similar; two to four platform hours per day at West Point, with the remainder of the day spent in preparation of course materials and supportive research. The Academy (or at least ES&GS) is very tolerant of the individual instructor's approach to teaching, although they stress that he is an example of the cadets' chosen profession and must conduct himself as such. All in all, I think our USMA friends were impressed by the obvious quality of our instruction and its preparation. Life is full of worries, but showing DMS classrooms is certainly not one of ours.

The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

Address all communication to:

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Director: COL Edward K. Wintz

Editor: James Harnden

These past two weeks have been very busy, so much is going on here at DMS with visitors, meetings and actions heading the list. SMSGT Don Vance, LTC John Radu and I spent the first two days at the SPIE Symposium at Reston. Airborne Reconnaissance - Tactical/Real-Time was a very interesting subject for a symposium.

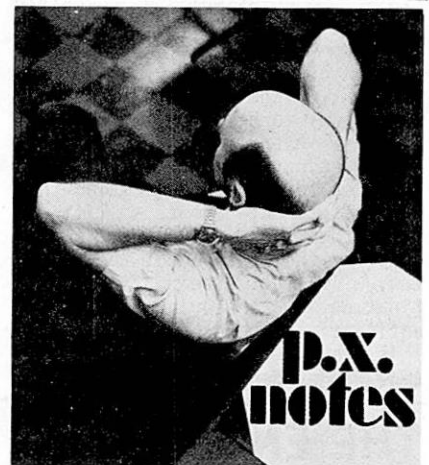
Dr. F. Robert Naka, Chief Scientist, USAF, kicked off the meeting with a well received keynote address - Trends in Real-Time Reconnaissance. Dr. Naka noted the phenomenal progress in reconnaissance since 1865. He pointed out that the trends today are toward the multi-sensor approach - IR, radar and conventional and multi-spectral photography, and scanners all in one aircraft pod. Digital data links were illustrated that can transmit a data stream to all imagery users simultaneously. These are becoming a practical reality with the recon community. LTC John Radu pointed out to me that the Army Mohawks did it in Vietnam. Dr. Naka encouraged the digital approach much like DMA is advocating for the MC&G process. Then, of course, data fusion and data management are necessary for the decision makers at Command and Control so the strike force can be on its way to the target in the near real-time. I picked up a few new buzz words like Quick Strike Reconnaissance (QSR) and Tactical Information Processing Installation (TIPI). The Air Force will field TIPI's in 1978. These photo interpretation vans are somewhat like the Army's TSS will be. The TIPI's will receive digital imagery information, interpret it, and transmit the decision in the near real-time which, by the way, was defined as 2 to 15 minutes. Some participants felt that 15 minutes is too long especially for a moving target.

Both the operational pilots, such as RF4C's and the system designers from McDonnell Douglas, Fairchild, RCA, Perkin-Elmer, Lear Seigler, etc., did an excellent job bringing it all together.

Dr. Naka's final remarks were to get ready for the explosion of information now so we can cope with the mass of data that the sensors can provide us. This is good advice for all of us in DMA even though we are not in the reconnaissance business directly.

Our data handling problems are nearly the same. One of my activities within DMA is with DMA's exploitation Steering Group (ESG). The ESG is composed of the DMA Technical Directors from each Component, chaired by Mr. Andregg. Our role is to prepare DMA for the coming explosion of data that will be available for our usage in the near future. Studies have shown that DMA will need systems that can manage  $10^{15}$  bits of information. Emphasis is being placed on exploring digital techniques for MC&G applications.

If the trends pointed out in the symposium are real, and I think they are, DMA and DMS will have much interesting work ahead.



by SGM Bill Locke

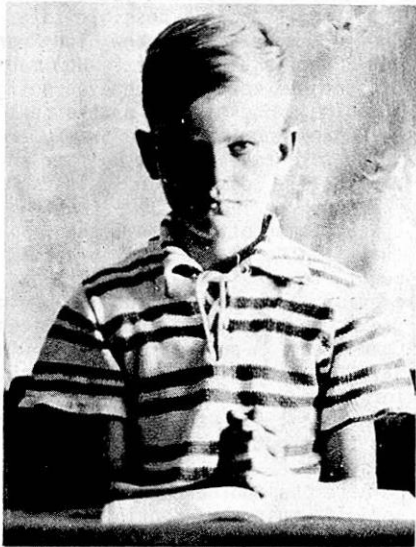
Have you been checking the Managers Specials? Sure been missing some good buys. I've been looking more than usual lately, as there was a particular product I was interested in, but haven't seen any Ben-Gay as of yet (I'm playing out my option - see related article elsewhere in this issue).

Some reader feedback recently has provided me with the subject for this issue. While shopping in an Exchange outlet recently, he overheard a shopper complaining (none to nicely, although that

Continued on page 4



## MYSTERY PERSON



A member of DMS for near a decade, he's no longer a towhead (only his hairdresser knows for sure?). A fellow worker of some years past shared surnames with a girl named Sarah of the British theater. Finishing his history, he sailed off to see China first hand and after serving in two Services, has joined the ranks of the double dippers. Certainly a posed photo, he is seldom so staid anymore. A real helpful chap, if your outboard quits, he'd be the first to grab an oar.

ANSWER TO 22 APRIL MYSTERY PERSON



This should have been an easy one actually, as most readers will have recognized the dog as Lulu, that famous Deutsche dachshund who starred in 532 WWII movies. And, of course, recognizing Lulu and putting two and two together, it was obviously her world renowned companion who was holding her. But then his picture in the adjacent article helped some too. Our little Deutsche darling is none other den der Aprilish fool TSDmeister, Herr Belly Ruetze.

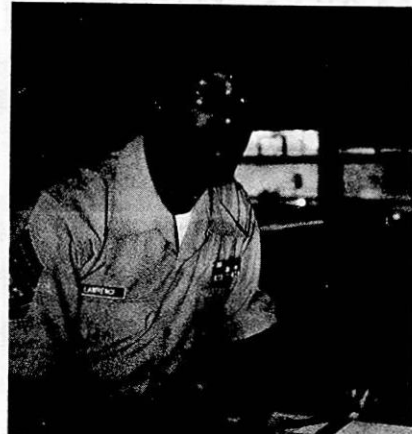
## CONSC WELCOMES GYSGT LAWRENCE

by GYSGT CAVENDER

On 4 April 1977, Construction Drafting welcomed GYSGT Thomas Lawrence to its instructor staff.

Gunny Lawrence attended Basic Training at Parris Island, SC. He was then sent to the 6th Marines at Camp Lejeune, NC, and saw action in the Cuban Crisis. Then he was assigned to the Ordnance School at Quantico, and in 1966 attended Construction Drafting School at Fort Belvoir, VA. Later that year he was sent to the 3rd Engineer Bn in Vietnam. He returned to the states to work as a Training Aids Draftsman at Quantico. After two years at Quantico he was off to Hawaii to work as a Training and Visual Aids man and in 1972 he returned to Parris Island as a Drill Instructor and Water Survival Instructor with A Co, 1st Bn. After his tour on the drill field, he was sent to Okinawa and then to Portland, Oregon to work with the Inspector Instructor Staff.

Gunny Lawrence holds ten different ribbons for his combat actions with the Marine Corps.



The Gunny likes fishing and Martial Arts. He and his wife June have two children, Thomas, four years old and Jermaine, three. June and the children are presently living in North Philadelphia and will arrive at Fort Belvoir in about three months. The Department of Cartography is glad to have the Gunny aboard and wishes him well during his assignment here.

## COMMISSARY

*CORRECTION: The last edition of the Contour dated 22 April 1977 indicated that SSG Willis is the DMS Representative on the Commissary Advisory Committee. This statement was in error, in that his spouse is the duly appointed representative. However, he will be most happy to convey any complaint, favorable comment, or suggestion which will be brought before the committee at the next quarterly meeting. Each individual will receive an answer or explanation.*

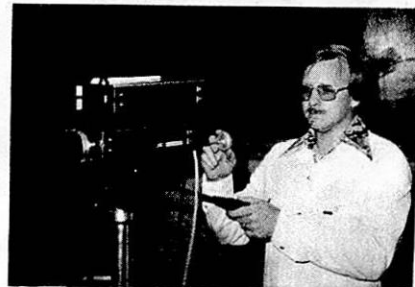
Listed below are addition comments not previously published in the Contour:

1. "But Mommie, I don't want to ride in the buggy." "I know dear, but the lady says you have to because you aren't 10 yet." Do these disappointing words sound familiar? I don't know about you, but my daughter looked pretty awkward in that shopping cart before she was 10 years old. Thanks to the Commissary Advisory Committee, a new ruling states that only pre-school children are now required to ride. (Thank you Paine Webber! Whoops, I mean, thank you committee).

2. Did you know that sales in the Dairy and Frozen Foods Departments average 5600 one-half gallon

Continued on page 4

## CONGRATULATIONS AND FAREWELL TO A FINE INSTRUCTOR



The Cartography Department said good-bye to one of its finest instructors on the 8th of April. Don "Tweety" Uber has been selected to fill a new position of higher responsibility (GS-11) with the USAES MOS Testing Branch as a technical writer. Don joined DMS as an instructor in Dec of 1973. He has seen many of us come and go — now it's his turn. We are happy to see Don move up the ladder of success, but at the same time, sad to see a good friend and outstanding instructor depart.

Congratulations on your well deserved promotion and good luck in your new job. (We'll miss you "Tweety"!)

## SSG EDDY PX NOTES

### TAKES THE OATH



by Maj Kinnan

SSG Eddy from the Carto/Compilation Division was reenlisted in the Army by Maj Kinnan, D/Carto Chief. SSG Eddy decided to take 4 years this time (chicken!!). We in the Dept of Cartography are very happy to see people like SSG Eddy remain in the Army. We hope to have him on-board for at least 30!! Congratulations, Mike!



### VOLLEYBALLERS NET FINE SEASON

by Tom Baybrook

With a style best described as electric, the DMS Volleyball team bumped, set and spiked its way through a successful Fort Belvoir Intramural season. Finishing with a 7 and 5 record which placed them 5th in a league of 13, the DMS'ers matured from six people standing around on the court into a coordinated team.

Most of the credit goes to Coach Mike Eddy, who started with half of his team never having played with rules and ended up with everyone being an expert. Besides Mike, other outstanding team players were hard-spiking Paul Barker and super-spiker John Shane. Filling in the gaps was the TSD crew of Orly Keller, Wayne Baird, Steve Sigmon, Andy Yacenda, Jim Hey, Len

Continued from page 2

doesn't bear directly on the story) to a sales person about the Exchange not carrying parts for things they sell. In this particular instance it was a grass bag for a lawn mower. Undoubtedly, most of us have wondered about, or faced, a similar situation, so I'd like to devote this column to that subject. In doing so, I must defend the Exchange, not necessarily because I'm on the Advisory Council or I happen to especially find the Management cooperative and just "nice folks", but because I think they take it "in the ear" too often on things like this.

Our Exchange is unlike the average "Department Store". Outlets like Sears, Penneys, Montgomery Ward, etc., sell equipment that is the same year after year. Or, at least, it's "their" brand. The Exchange, on the other hand, doesn't have "a" brand of their own. Whatever kind of lawn mower, for instance, the folks in Dallas contract for, is the kind of lawn mower 4 Seasons must sell. Unfortunately, it's a different kind every year (or so it seems). Herein lies the problem.

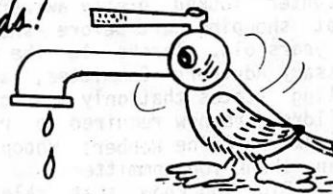
No retail store in the world has unlimited warehousing for stock and your Exchange is certainly no exception. Inventory is always a problem, compounded by customers ever changing buying habits. If 4 Seasons sells 56 Jungle Gobbler lawn mowers this summer, how many

Good and Tom Baybrook.

A team thanks goes to those loyal DMS fans who managed to be at nearly every game; die-hard supporters Marlin and Kitty Yelton, Monica Yacenda and Sandy Barker.

In typical DMS tradition, Coach Eddy has been frequently overheard talking about "next year".

*Big Bills  
Are  
For The  
Birds!*



**TURN WATER FAUCETS COMPLETELY OFF!**

From the Center Relay, Pearl Harbor, Hawaii

grass bags (or similar accessories) will they need to stock next year (if any) or subsequent years? This question is near impossible to answer. For example, how long can you expect a bag to last? How many of the 56 Gobblers are even going to be here next year, or the next? How many bought at Camp Swampy are going to arrive here at Belvoir and need bags? Boggling analysis isn't it?

Well, the bottom line I think, is that if a complaint is in order, it ought to be in the form of a suggestion to the big picture folks in Dallas or the House Armed Services Committee. A suggestion that would say something like, "Can't we stock, for some number of years, the same model so that the Exchange isn't put out by stocking basic accessories?"

There is another answer however, and it must be mentioned in all fairness. That is, to use the parts list that comes with the merchandise and order replacement parts from the manufacturer. I imagine this latter suggestion is the easiest to bear for all concerned. I doubt if the idea of negotiating with a vendor for a long term supply at some guaranteed price etc., is as easy as I'd like to believe.

Give it some thought anyway. Sometimes even the salesperson doesn't know why the Exchange does or doesn't do, or have, or whatever. If you have had an experience you'd like explained, whip it on me, I'll give it a go. (Post Exchange experiences only, others by appointment).

### COMMISSARY

Continued from page 3

cartons of milk daily, 2250 dozen eggs daily, and 33,862 pounds of margarine monthly? That is quite a turnover of merchandise.

3. The proposal to install scales for weighing produce had been evaluated. Mr. Rimm stated that with the volume of business in the Commissary, installation and use of scales would be a difficult task that would require additional personnel as well as causing congestion in the store.

4. Did you know that items are stocked on the shelves throughout the day, but the biggest percentage is done by a crew that begins work after the store closes and carries right on through the night until the shelves are full?

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IN MY OPINION....(is a new feature of the Contour, designed to allow our readers to express themselves in areas of general interest. While the Contour staff is not soliciting controversial material, a well written article of interest will be edited and published. Editor.)

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## IN MY OPINION



The President has appealed to the general public to support his efforts to initiate an energy conservation program. He indicated that the two largest sources of energy waste are gasoline consumption for transportation and fuel consumption for home heating and air conditioning. He next appeared before Congress to present his ideas for legislation that would bring some force to bear on these two largest sources of waste. In my opinion, neither speech was well received. My question is — why? I will attempt to answer it.

It is true that our transportation system is extremely wasteful and it is also true that most of our homes are inadequately insulated against the ever changing environment. We are basically a very self-centered public and our attitude is generally one of "what's in it for me?" We only change this position in times of severe crisis. Therefore, we approach the President's proposals with the first position in mind rather than face the issue on a crash type crisis basis. We live in a fast-paced society, geared to live our lives to the fullest. We look on the auto as our forefathers looked upon his horse. Without it our freedom is threatened. Any effort to curtail its use is a personal threat to our freedom.

Secondly, we approach life with a "live today, tomorrow may never come," concept. Money plays a vital role in this attitude. In fact, our credit card society is advertised from morning until night: "Buy now, pay later." It spills over into everything we do. Most of our objectives are short range rather than long range. This in-

cludes our use of energy as well.

The third explanation is equally important. We have a very strong belief in our own resourcefulness, that our technology can solve anything. We got to the moon didn't we? What could be more of a challenge? When the energy situation becomes really bad our scientists will do something about it. Right now our freedom of movement and the right to live now rather than postponing it is much more important to us.

In 1975 when we sat in long lines all day to fill our gas tanks, we were almost ready to listen. We accepted lower speed limits, we started pressing the car industry for smaller compact cars. But the long lines abated and so did our lifestyles. The oil embargo was not of our own making and we fought to regain what we wanted — nothing more.

Now the President is asking us to self-inflict controls and limitations on the things we feel are most important to us. Drive less, consume less, invest our own money in costly construction projects to our homes that may dampen our other activities. This man doesn't need to be a President to present these things to us. He needs to be the resurrected Messiah. He needs to have a burning light shining round about him and an all powerful, commanding voice rending the heavens proclaiming, "Wake up America, the day of reckoning is at hand!" Then perhaps we may turn our heads and say to Him, "Let us feel thy wounds".

I realize the government's credibility has been shaken, but we must place some faith in this administration regarding this issue, if our children are to take over a healthy society from us. What can we do? Become more informed. Read intelligent information on the issues, the libraries are full of enlightening books that are up-to-date. Write to your Senators and Representatives in Congress and encourage them to promote legislation that will develop a positive, healthy solution to this real threat to our American way of life. And most important, do it now. Begin today to take measures that will insure our country's well-being for tomorrow.

Will Freeze

## EVERY TWO WEEKS

by Penny Greer

Have you ever wondered what happens to your Contour article from the time you submit it until you see the printed version?

When an article is submitted, it is proofed and sometimes edited. (Remember gang, "i before e except after c"!)

From the Editor's desk it goes to the typist, who must type each article at least twice, compressing or expanding each line to meet the spacing format. After the final typing, it goes back to the Editor for another proofing. All necessary changes are made and it's ready to go to "Big" John Houchins, who is responsible for Contour paste-up. The mad rush is then on. Do we have enough material? Are fillers necessary? Will an article have to be cut until the next edition?

Leaving John's shop, the "camera ready" copy is shipped to the GAD Camera Section where it's "shot" and sent along to Stripping and Platemaking where the plates are made and rushed by Jacobs' Express to Offset Duplicating. Finally, (and a number of people say this as it leaves their office) the paper is printed, collated and distributed. All of this is accomplished twice a month within a 10 day period.

This distribution entails more than just filling each pigeon hole in the mail room with 25 copies. The nearly 200 copies to DMS readers is the easy part. Then begins the chattering of the typewriters once again and the licking of address labels and envelopes as another 125 copies are sent off to DMA and components, USAEC&FB, and our friends, retirees, etc., all over the world.

There are more people and time involved in publishing the paper than you may have thought. Without your articles there will be no paper however, so please keep up the fine work. As a DMS'er, and former Contour typist, I may be prejudiced, but I think we have the best paper around (asquare? or whatever).



### FLIP THE SWITCH ON

### ENERGY WASTE!

# CHAMPIONSHIP TEAM BEGINS PRACTICE

The Fort Belvoir Slow Pitch Softball Champions began practice on the 15th of April and are scheduled to win their first game on 9 May. Check the last page of your Contour for a schedule so that you'll know when and where to come to see the champs in action. If, by chance, there is no schedule on the back page, it's because we didn't receive it before press time, so check next issue.

Coached by John "Casey" Radu, the team is practicing several times a week in order to "keep the edge keen". Some of our golden gloves are back from last year (some have renewed contracts and some are playing out their option) and Coach

Radu is negotiating contracts with some highly talented free agents. The games promise to be exciting so you'll not want to miss any.

Games will be played on Mondays and Wednesdays at either 1500, 1930 or 2100 hours and will be scheduled on one of two fields. Specker Field is located adjacent to Specker Field House on 12th Street (across from the Main Library) and Pullen Field is at the intersection of 16th Street and Middleton Road (behind Commissary). Specker Field games are made doubly exciting by Ken Gearhart's "Roach Coach" featuring Nadia Comaneci hot dogs, candy apples and cotton candy (he was out of the latter two all of

last season), and of course everyone's favorite beverages. Generally a small outlet is also operating at Pullen Field so you won't be thirsty. Proceeds support the youth program, so come on out to the game and have your supper there.

Last years fans will be happy to note that new fences have been erected along the 1st and 3d base lines to protect them from balls and bats. So, everyone's invited. Bring your friends, have a hot dog and a beer (or two, or more), trade rummors and cheer your team to victory. A championship team needs many supporters. See ya at the ballgame, batter up-p. Play ball.

AMERICAN LEAGUE SCHEDULE  
1977 FORT BELVOIR SLOW PITCH SOFTBALL PROGRAM  
WESTERN DIVISION

DATE	FIELD	TIME	HOME TEAM	VISITING TEAM	SCORE	
					H	V
9 May	Pullen	1800	Co A 11th Engr Bn	Hq Co Hq Comd	---	---
	do	1915	HHC 30th Engr Bn	Medical Co		
	do	2030	EOAC "B"	*Defense Map Sch		
	do	BYE	EOAC "A"			
11 May	Pullen	1800	Medical Co	EOAC "B"	---	---
	do	1915	*Defense Map Sch	EOAC "A"		
	do	2030	Hq Co Hq Comd	HHC 30th Engr Bn		
	do	BYE	Co A 11th Engr Bn			
16 May	Pullen	1800	HHC 30th Engr Bn	Co A 11th Engr Bn	---	---
	do	1915	EOAC "B"	Hq Co Hq Comd		
	do	2030	EOAC "A"	Medical Co		
	do	BYE	*Defense Map Sch			
18 May	Pullen	1800	Hq Co Hq Comd	EOAC "A"	---	---
	do	1915	Medical Co	*Defense Map Sch		
	do	2030	Co A 11th Engr Bn	EOAC "B"		
	do	BYE	HHC 30th Engr Bn			
23 May	Pullen	1800	EOAC "B"	HHC 30th Engr Bn	---	---
	do	1915	EOAC "A"	Co A 11th Engr Bn		
	do	2030	*Defense Map Sch	Hq Co Hq Comd		
	do	BYE	Medical Co			
25 May	Pullen	1800	Co A 11th Engr Bn	*Defense Map Sch	---	---
	do	1915	Hq Co Hq Comd	Medical Co		
	do	2030	HHC 30th Engr Bn	EOAC "A"		
	do	BYE	EOAC "B"			
1 Jun	Pullen	1800	EOAC "A"	EOAC "B"	---	---
	do	1915	*Defense Map Sch	HHC 30th Engr Bn		
	do	2030	Medical Co	Co A 11th Engr Bn		
	do	BYE	Hq Co Hq Comd			

This is the first round of three rounds of play. Watch your Contour for the next round's schedule, as well as exciting articles about your championship team in action. See you at the ball park, right?

# CONTOUR

VOLUME 4 NO. 10

DEFENSE MAPPING SCHOOL

MAY 20, 1977

## DMA CHIEF OF PR VISITS DMS

BG Ames Albro, Jr., newly appointed Deputy Director for Plans and Requirements visited DMS on 27 April. After receiving "desk side" briefings from the staff officers, General Albro completed a tour of the part of DMS that makes us "tick". Making note of the obvious contrast between the John Houchins Memorial Hallway and the one lead-

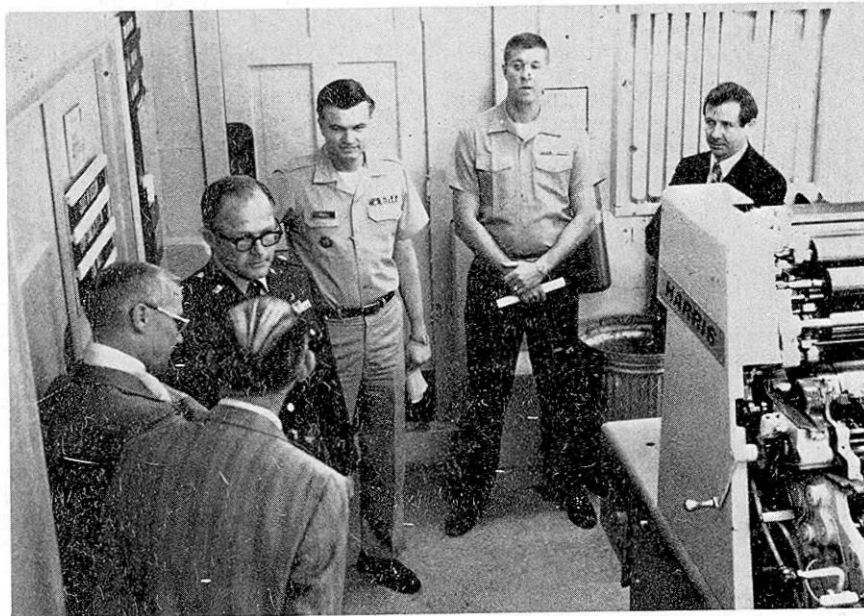
ing from PRT to OBS was only the beginning of the General's observations.

Certainly no stranger to the academic environment, General Albro expressed a keen interest in the MC&GOC lessons concerning Soviet MC&G training. His interest in that particular area was such that he indicated a desire to return and

monitor the lesson. (Note to TSD—please ensure student hours are reported to PPO.) Another area of concern/interest included course prerequisites and their impact on student quality. Few would disagree that this has been of continuing concern/interest to us also. It didn't take long for the General to recognize that we "have a going concern" at DMS. We'd like to assure you sir, that we're only beginning to move.

The Contour had planned a full "picture feature" on the visit, but our combat photographer doesn't perform as well under "noncombat" situations (and using outdated film), so we hope those accompanying this article sufficiently portray General Albro's genuine interest in DMS, as well as our pleasure in hosting his visit.

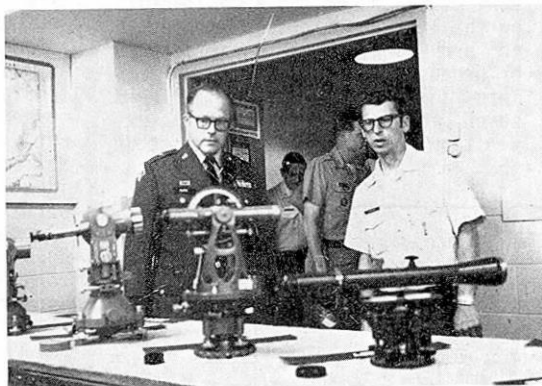
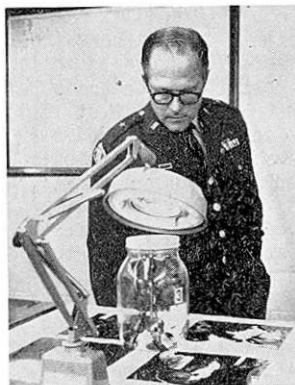
Editors note: We've kept that hallway to remind us, sir.



## DMS BABY BOOM

Well let's see now, what happened this past August? A power outage? A cold snap? A political speech on all networks? Whether or not August brought anything memorable, May certainly did. Within a 16 hour span on the 1st—2d May, three DMS families increased their tax deductions by one. The Kinnan family welcomed a 7 lb 2 oz Molly Marie, followed about 10 hours later by a 7 lb 14 oz Matthew Donald Gorman, and six hours after that, an 8 lb 3 oz James Thomas Hebert. Do you think there's something about duty in Wheeler Hall?

As always, the males were predominant, although in this instance the girl was first. The gauntlet has been thrown, and it appears that TSD and GAD are "on the hook". Now we'll find out if McCullough's rabbit is for real. The rest of us salute you gentlemen, and your wives, and wish happiness and health for your newborn.





by SGM Bill Locke

We are in the midst of the DMA Director's Mid-Year Review and the MC&G Conference at this writing. The Director's Conference went well; the other Components are busy and in the middle of startling technological changes which will impact the School soon. There was a brief hassle at the start of our briefing as my vu-graph operator, "Fingers" Sprinsky, tried to decide whether the Kodak Carousel used the reseau or index method. I tried to fill the time with the only anecdote that came to mind; this story shall not be repeated again here, or, if I have my way, anywhere else in the English-speaking world. What a stinkeroo! Admiral Cramer later told me it was the best joke presented at the Review, which buoyed my spirits until I reviewed, carefully, the events of the day. Right! It was the only joke deliberately told.

The MC&G Conference let us say "Hi" to old DMS'ers and MC&G friends. LTC's McIntosh, Paul Johnson, Hanigan, and CW3 Nelson were present. MAJ Shane sang and danced the MC&GKPOC tune and did a fine job. It was a delight to reintroduce COL St Clair to TSgt Moore and WO Carrigan, who have, or will have, accepted an Army Warrant after Air Force service. See, we're not purple suiters all the time. I didn't point out to COL St Clair that going from Air Force service to an Army Warrant, in my eyes, is like giving up devil-worship for a life of sin.

DMS says good-bye to Major Herring this month. Jack has worked hard and steadily for DMS as our PPO and Chief, Survey Department. Both are demanding jobs, and he has never disappointed. He is an old friend, and I'll miss him personally. Best of luck, Jack and Jerry. You are both great to have around.



The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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One day as I sat musing, sad and lonely and without a subject for this issue, a voice came out of the gloom (my wives) saying, "Why not do a column on PX concessions?" If you like this issue's content thank me, if not, blame her.

As always, wanting to be factual, I visited an expert. This time, she was the lovely Ms. Martha McLean, Service Vending Supervisor for the Belvoir Exchange. She's the lady who catches most of the flak when we complain about concessions. Martha was nice enough to spend about half an hour with me a week or so ago, and the result of that interview is the basis for the following article.

Concessions come in two parts, personal services such as the Barber Shop, Beauty Shop, Shoe Repair, Equipment Rental, etc., and vending, e.g., Pepsi, National Coin (pin-ball machines), Macke, etc. Contracts with those who provide concession services is not done at the local level, but by the Contract and Service Offices at Regional Headquarters. Based on a list of "interested parties" on file at Region, a solicitation package is sent to each of those contractors on the list who might be interested in providing a particular service or product (in the case of vending). This solicitation is accomplished seven months in advance of the expiration of a current contract or the initiation of a new service.

In the case of vending, an initial contract is for three years, and for service, two years. On renewal, the contract for either can be up to five years. A part of this package is an attachment containing data on the present Exchange prices for the services being solicited. All attempts are made to provide us with a concessionaire who will offer services at about 20% below the local economy price for the same service. In addition, Martha informed me that she performs an annual pricing survey, as do all exchanges, and submits the results to Region. This allows them to ensure contractor's prices are fair, both to him and to the customer, within the confines of the written agreement.

So much for the duller stuff. Let's discuss, for a bit, some items that effect us, as shoppers. For example, what recourse do we have when a complaint develops with a concession? Martha urges each customer to try and reach an agreement with the concession manager. However, if you can't accomplish this, or you feel that a "big battle" is going to ensue, please contact her at 780-0948. All complaints require her to complete a special form which contains the complaint, what action was taken, and her recommendations, if any. These are filed at Region in the contractors "effectiveness file" which will be routinely examined, especially at contract renewal time. In addition to our complaints, Martha conducts, not less than quarterly, inspections for sanitation, adherence to fire regulations, and correct pricing. Inspection results, like complaints, go into the good old "efficiency file".

Did I hear someone ask if a concession contract can be terminated? It certainly can! Unsatisfactory service in the form of documented evidence can result in the termination of any contractual service. Additionally, the contractor can also cancel with a written 30 day notice.

Some other little known (to me, anyway) facts I discovered included finding that the concessions reimburse the Exchange for utilities, but not for the "physical plant". New concessions or requirements are identified by "Command", Exchange Officials, or by you and I, the customer. This requirement, of course, must be verified etc., before solicitation can even be considered. Where are we going to put them (the new concession), do they need any special facilities, etc? When all this is "ironed out", so-

(Continued on page 7.)

## MYSTERY PERSON



If only some of that mane were on my head. This mystery person said it then and says it now. Due to the merkin however, few people would believe. Does a horse have fleas? Well, this one had one at least. This young trooper has done his thing from Europe to the Far East to Central America and has

left his mark at stops in between. Could he have mounted that horse w/o a ladder? Certainly, he had no doubt.

-----  
ANSWER TO 6 MAY MYSTERY PERSON



Ruth Burnhart was her name and Admin Aide her game. (Only the old timers picked up on this one.) In those days, it wasn't OAR (that clue was in last sentence), but called just "Admin". The remaining clues? Probably no one but those of us who have had to suffer the war stories know that Vince Ditchkus was in the Boor War.

-----  
*EDITOR: The Contour well is running dry on "Mystery Person". Would you like to be a Mystery Person or know of some DMSer from whom you could steal a picture? Send pictures (with identification) to Editor, Contour. All submissions will be returned, unharmed.*

## EOAC "B" TEAM WINS REPRIEVE

It was the 9th of May, a cold wintery night, and the scene was set sports fans. The DMS Super J's had finished infield practice in preparation for their season opener and the stands were buzzing with excitement. EOAC "B" were standing around in nervous little groups fearing what was to come as the obviously semi-pro, polished, well-drilled Super J's gathered at their dugout. Suddenly, a hush went through the DMS stands. What was that purple can being passed among the team? "The Magic Can" someone cried! (It was later learned that the 'sealed until the last game' can contained "the essence of team spirit"). Later, when the umpire was poised and ready to call "batter up-p", the field lights went out.

Some time (15 minutes or so) later, it was determined that the automatic timer was "synched out" and couldn't be reset until the following day. Thus the EOAC "10" were saved, temporarily.

A great warm thank you to the fans who braved the sub-normal temperatures to support the DMS Champs. It's loyal folks like you for whom we perform (well, try anyway).

## NEW FACES IN CARTO

SP5 Paul S. Barker recently signed on board as an instructor in the Basic Cartography Course. Almost before the ink was dry on his signature, he was whisked away to attend the Instructor Training Course

at USAES where he scored very high in his class.

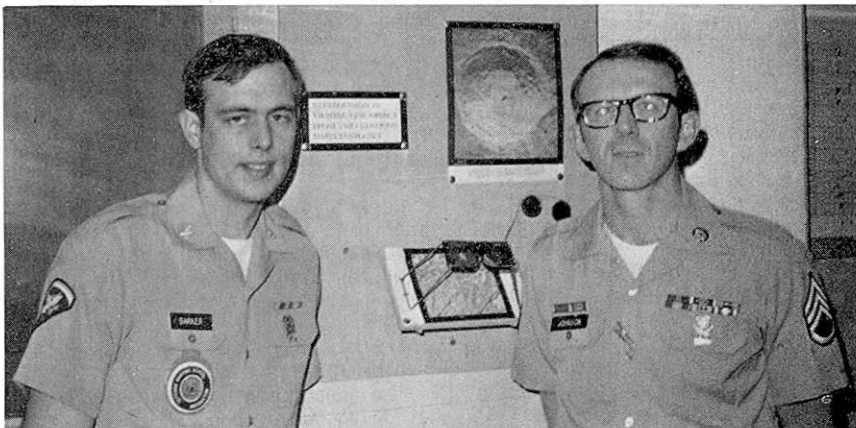
Paul's last assignment was with the 652nd Eng Bn (T) (A) in Hawaii; and he is still trying to overcome the shock of our Washington weather (Is it really that much different in Hawaii?) His duties as a map compiler with the 652nd prepared

him well for his assignment here at DMS.

Since reporting to DMS, Paul has become a very effective member of the instructional staff, displaying a willingness to take on any task. He also helped to defend (?) the honor of DMS as a member of the DMS Volleyball team.

Paul, his wife Evelyn, and son have set up housekeeping in Woodbridge. Hawaii's loss is DMS's gain — welcome aboard!

SSG (P) Denny Johnson is one of the new faces that will be seen educating others in Wheeler Hall. Denny came to us from the 30th Engr Bn, Fort Belvoir, where he served as Bn Operations NCO. He has recently graduated from the Instructors Training Course and will be teaching Basic Cartography students. Denny is known to be an outstanding NCO, and we in the Department of Cartography are very happy to welcome him and his family to our community. Denny lives in GW Village with his wife Pam and his 2 children, Jennifer and Jeffrey.



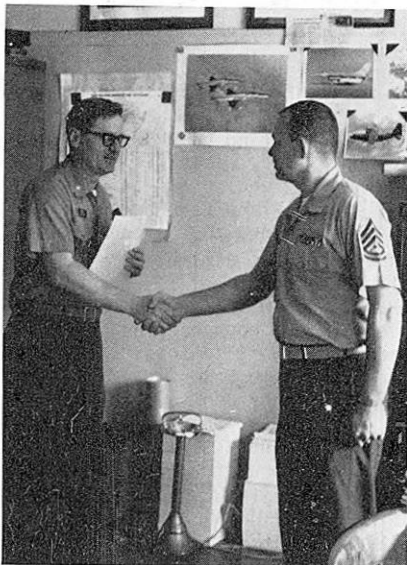
From Left to Right: SP5 Barker and SSG Johnson

## PRT SPORTS NEW MAJ



With his usual "aw shucks" grin, CPT (P) Budd (enhagen) became MAJ Budd during ceremonies in the Directors office on 2 May. We think he has been practicing for a while in secret, for he has yet (within our earshot at least) to make a mistake on the phone and say "CPT Budd here". Concluding the ceremony with the traditional "...and we'll expect twice as much work..." COL Wintz reminded MAJ Budd he was late for class and sent him off to the Criterion-Referenced Instruction Workshop. Congratulations Charlie, and welcome to the FOD roster.

## NEW "GUNNY"



Marine Gunnery Sergeant Leon C. Combs Jr was promoted to his present rank on 10 May 1977 by LTC L. T. Ingels, Marine Liaison Officer. MGYSGT Gonzalez and MSGT Jones accomplished the task of "nailing" on the new stripes subsequent to the photo. Congratulations, Gunny!

# VISITATION TEAMS – SOUTHERN ASSOC OF COLLEGES AND SCHOOLS

by Myles J. Mulholland

A little known but very important activity is being undertaken by personnel of the Defense Mapping School since we became a recognized and accredited member of the Southern Association of Colleges and Schools.

There are many of us who remember the traumatic experience of having an accreditation team visit our institution not too long ago and, with a great amount of trepidation, answered their questions and told them, as best we could, how our school operated.

What are these accreditation teams and who are the people that make them work? Well now it can be told since we, the DMS, are being taxed for manpower to supply qualified people to make up the team. If you remember back when we were visited, we had to supply a biographical sketch of the members of our faculty, and it is from these sketches that the Association selects names and requests people to participate with others from other schools in the accreditation or validation process.

Already three members of our faculty have been on three visitation teams and I will be the fourth.

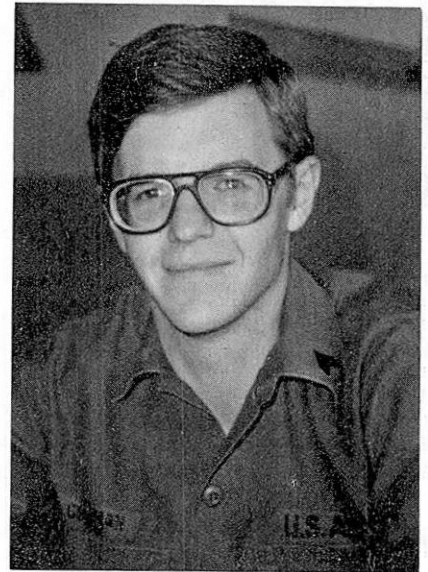
You are first alerted that you have been selected and informed of the school you will visit, which of the occupational curricula you will be concerned with and which of the twelve standards you will use to evaluate the institution. You then receive two handbooks from the Southern Association of Colleges and Schools (SACS). One is The Procedures Handbook For Visiting Team Members and the other, and most important, is the Policies and Standards of the Delegate Assembly of the Commission on Occupational Education Institutions. These you will receive about 3 weeks before your scheduled visit and then, 2 weeks before your visit, the institution (school) will send a Self Study Report (very voluminous), a Student Handbook and a current Class Schedule. All of these materials must be read, but the Policies & Standards Manual must be studied.

Although, as of this writing, I haven't gone on my visitation, it is my understanding that all per diem and travel is paid by the SACS and the DMS loses the services of an individual for 4 or 5 days. So,

it is a costly venture to be affiliated with the SACS, but I am certain the prestige and benefits more than offset the cost.

## CONSD WELCOMES SPECIALIST GORMAN

by SFC Springer



On March 28, 1977, Construction Drafting Division welcomed SGT Dennis B. Gorman to its Instructor Staff. Nevertheless, he was not a new face in this Division, since he just graduated from the Class 002/77 as the Distinguished Graduate. One week later he was shipped off to ITC, where his subject material covered architectural dimensioning.

Dennis joined the Army in October 1976 and attended Basic Training at Fort Dix, New Jersey. Then he was sent to the CONSD Course for AIT training.

He enjoys hunting, fishing, football and bowling. Dennis is married and his wife, Elise, who is now residing in Pennsylvania will move here soon with their new son (see "DMS Baby Boom"). They both like traveling and are planning to explore historic Virginia.

The Department of Cartography is glad to have Dennis aboard and wishes him "happy drafting" in the days ahead.



# BUNDESWEHR VISITS DMS

by SGM George Brabetz

The Defense Mapping School was visited by Lieutenant Colonel Rudolf Hafeneder, Assistant Chief of the Division for Training and Equipment of Topographic units, General Army Office, Federal Republic of Germany, during 26 and 27 April 1977.

LTC Hafeneder was interested in all aspects of our training as well as equipment. Of particular interest to him was the Topographic Support System.

After the initial orientation briefing by COL Wintz and the Technical Director, he was given a detailed briefing on the Army Enlisted Personnel Management System and a general overview of the Topographic Support System concept by MSG Brabetz. Detailed discussion of the TSS was conducted by the Department Chiefs and personnel of

their Departments.

An exchange of comments between LTC Hafeneder and DMS personnel revealed some basic differences but also some striking similarities in the training, equipment and personnel management of the Bundeswehr and the US Army. The major difference is the fact that the German Topographic Units are artillery units (Topographic Batteries) versus the US Engineer Topographic Companies. Also, personnel procurement for the German units differs in that the draft still exists in Germany and the Topographic Trainee comes to the Service with a civilian acquired skill; i.e. the cartographic draftsman or pressman have been employed as such in civilian life.

The Selective Service drafts them for a specific service slot. Also, the basic training portion is being conducted by the "Lehr Batterie"

(Training Company) which also conducts the skill training for their military occupation. The training cycle is three months long. One other difference is the concept of employment of topographic units. The Bundeswehr has decided that it is more economical to establish base units versus our mobile units. As was pointed out by LTC Hafeneder, this approach is dictated by the fact that the Bundeswehr is designed to function as a home defense force, engaged only within the territorial limits of West Germany, thus making the mobility of their topographic units of secondary importance. Besides, it saves the Commander sleepless nights not having to worry about losing a press van or camera van on the highway due to an accident.

On the other hand, LTC Hafeneder was quite familiar with the Joint Task Summary Sheets and the Army Training and Evaluation Program; it seems that the Bundeswehr is under- (Continued on page 6.)

## Memorial Day: Remembering Those Who Served

On Memorial Day, thousands of people attend the ceremonies in the amphitheater behind the Tomb of the Unknown Soldier in Arlington National Cemetery, located in Virginia just across the Potomac River from Washington, D.C. Thousands of other Americans visit small cemeteries scattered throughout the United States on this special day which honors our Nation's war dead.

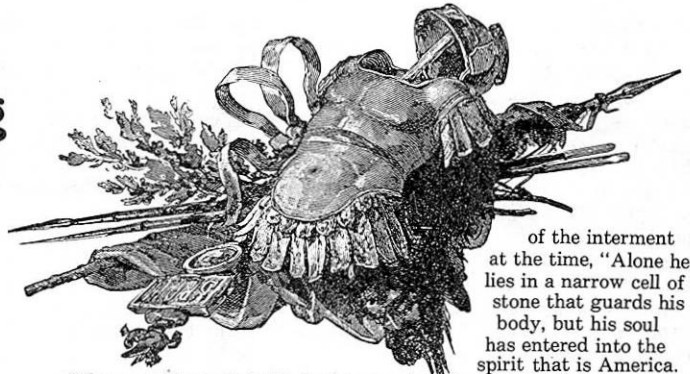
In days past the activities of every American family on Memorial Day centered around the custom of honoring those who have died for their country. In this motor age, however, the day is an occasion for the first vacation trip of the year. It is also the day for high traffic mortality figures. In just half a century, the two million traffic fatalities, a large part of which occurred on Memorial Day, are twice the numbers killed in war, approximately a million people.

The national Memorial Day observance centers around the Tomb of the Unknown Soldier, which is a single monument in Arlington National Cemetery, dedicated to all of America's unknown war dead. There are historic as well as heroic associations with the area. Once part of the estate of George Washington Parke Custis, the adopted son of George Washington, it passed after his death, to Robert E. Lee who married the daughter of Custis.

Following the outbreak of the Civil War, Federal troops occupied Arlington House, as it was called, and the surrounding area. Early in 1862 they moved away from the grounds, but continued to use the mansion as a headquarters. In June of 1864, the first military burials were made in the 200 acres of the estate, subsequently set aside as a national cemetery.

General Lee attempted unsuccessfully to recover his home after the Civil War. Finally, in 1882, the sum of \$150,000 was awarded by the United States to Custis Lee, the general's son, as payment for the estate.

The Tomb of the Unknown Soldier was dedicated in 1921, the year following the interment of unknown soldiers in France and Great Britain. Associated Press reporter Kirke L. Simpson wrote



of the interment at the time, "Alone he lies in a narrow cell of stone that guards his body, but his soul has entered into the spirit that is America.

Wherever liberty is held close in men's hearts, the honor and the glory and the pledge of high endeavor poured over this nameless one of fame will be told and sung by Americans for all time."

For 35 years, the Unknown Soldier of World War I was the sole occupant of the crypt on the hill overlooking our Nation's capital. On Aug. 3, 1956, a bill to honor the unknown military dead from World War II and the Korean War was signed by President Dwight D. Eisenhower.

World War II unknown military dead were chosen from national cemeteries in both the Atlantic and Pacific theaters of war. After the caskets were placed aboard the U.S.S. Canberra, the ship sailed to a spot off the Virginia Capes in late May. There, Hospitalman First Class William R. Charette, the Navy's only remaining active duty Medal of Honor winner, placed a wreath on the casket of the man who was to become the Unknown of World War II.

The selection of the Korean War unknown dead was made by Master Sergeant Ned Lyle in the National Cemetery of the Pacific at Honolulu, Hawaii.

After lying in state in the Capitol rotunda, just as the Unknown Soldier from World War I was honored, the two Unknowns from World War II and the Korean War were laid to rest beside their comrade from World War I. No Vietnam War dead has been interred at the site because there have been no unidentified military dead from that war.

Each year hundreds of thousands of people visit the Tomb of the Unknown Soldier where on May 30—Memorial Day—special wreath-laying ceremonies honor the known and unknown heroes of all our Nation's wars—courageous and dedicated Servicemembers who have given their lives in the defense of freedom.

# BUNDESWEHR VISITS DMS



(Continued from page 5.)

going a similar program in restructuring their training. Other common problem areas are funding, customer — producer relationship (the customer frequently not knowing what it is he needs) and the age-old difficulty for a topo unit to go tactical and still maintain production.

As a matter of interest, the Bundeswehr is in the process of converting a bus to a mobile map distribution point to deliver topographic products to the user in the field.

The career soldier in the Bundeswehr topo unit is guaranteed an education within his field of endeavor which qualifies him to become a certified master tradesman. Thus a printer's apprentice becomes a master printer, the photo laboratory technician becomes a master photolithographer, etc. This program is recognized by the German trade unions.

During the second day of his visit, LTC Hafeneder visited the 30th Engineer Battalion where he was briefed by LTC Hanigan on the unit's mission, organization and equipment — all this in the midst of preparation for a pending Annual Inspector General's Inspection. This orientation tour was of particular interest to LTC Hafeneder since there is no Battalion size topographic unit in the German force structure.

The Survey Department presented

our visitor with an unexpected surprise. He gazed in disbelief at the glass jars containing Mr. Green's spider farm in the Optical Survey Instrument Repair Division and listened with amazement to Mr. Bradley's explanations of how we raise our own "crosshairs".

He also managed to impress the Topographic Science Department crew with his skillful operation of the APPS. WO1 Carrigan was beside himself with joy when, with a minimum amount of prompting, LTC Hafeneder proceeded to orient the instrument and managed to transfer pilots from one aircraft to another without dropping one in the process. For those readers who are not familiar with this procedure, WO1 Carrigan will gladly demonstrate upon request.

During the tour of the Graphic Arts Department, LTC Hafeneder pointed out that in the German units the cartographic draftsmen are assigned to the reproduction element and the cartographic element is comprised solely of compilers/photo evaluators.

Lieutenant Colonel Hafeneder presented the Defense Mapping School with a plaque from the "Heeresamt Kampfunterstützungstruppen" (Office of the Army, Combat Support Troops) which is on display in the main entrance of Bagley Hall.

During the farewells, both the Director, COL Wintz, and LTC Hafeneder expressed the desire for informal exchanges of information

pertaining to the training, equipment and new ideas in the field of military topography between the Defense Mapping School and LTC Hafeneder's office. LTC Hafeneder expressed his appreciation for the time and effort expended on his behalf by the personnel of the Defense Mapping School. He also voiced his hopes that a closer liaison could be maintained in the future.

Master Sergeant Ralph Ruetze and MSG George Brabetz provided the required translations during the visit.

## BELVOIR WINS TRADOC TITLE

The Fort Belvoir bowling team recently returned from Ft. Gordon, GA where the annual Eastern TRADOC bowling championships were conducted. The Belvoir team won the coveted title by outrolling the strong entry from Ft. Eustis by 15 pins. D/Carto's Dave Cook was highly instrumental in the team victory as he rolled a big 254 in the last game to seal the win.

In addition to firing a final three game set of 649 to help bring Belvoir its first team title, Dave also teamed up with COL Paul Bazilwich, Mech & Tech Director, to win the doubles crown. Dave rolled a 1220 set for the six games while his partner shot a nice 1160 for a combined average of 198.3 for 12 games.

Carto's "high roller" was in the pocket throughout the tournament and his consistency resulted in still another laurel — the Mens All-Events title. This was a repeat performance for Dave as his 206 average last year at Ft. Jackson also earned him the top spot. This year he "only" averaged 201 for the 21 games which is a feat most of us can only dream about.

Dave was the team captain and the only DMS member. The other members were Paul Bazilwich, Steve Rowe, Carl Burhanen, George Matthews, Jim Wales and the female duo of Pat Bell (540) and Peggy Brokenbaugh (511) who finished one pin behind the top team in the Women's doubles event.

Our congratulations to the entire team and especially to Dave for a super job.



Take stock in America.  
Buy U.S. Savings Bonds.

# DMS BUDGET IN THE RED

by LT Leath

Each year organizations participating in the American Red Cross — DeWitt Army Hospital Blood Program are assigned a blood donor goal. This goal is based on the number of available donors. People under 18 years of age, people over 66 years of age, and people medically unable to give are not counted when determining this blood donor goal. Our goal for DMS personnel and their eligible dependents is 55 units for 1977.

Any pocket calculator will tell you that we must average 4.58333...

donations per month to meet our goal. At the end of May, we should have 22.91666... units to our credit. The books show that we have less than 10.00000...

Where does that leave us? We must now average 6.571428571 donations per month throughout the remainder of the year! Our blood budget for 1977 is in bad shape. Speaking in an economic vein, we are up to our elbows in the wrong kind of red stuff. It takes red blood to get the DMS program back into the black.

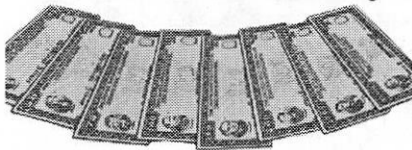
Do you realize that if a little over .25000... of you DMS'ers donated one unit of blood one time during the entire year, we would meet our goal? That's not even counting a donation here and there by a thoughtful dependent spouse. If

such a situation existed, our blood budget would be thrown into surplus status!

Hard economic facts tell us that this is not to be. A study of the books indicated that DMS has never had 55 donors. Instead, DMS has had a handful of people who donate nearly every time they become eligible (every eight weeks). Without them, we would not have qualified for blanket coverage of any blood need by DMS personnel or their families.

Our current blood deficit can be cured only if we break this trend. If you have never given blood before or if you have not donated yet this year, plan to donate just one time. You'd be surprised what a difference your contribution will make.

## All in the family.



Take stock in America.  
Buy U.S. Savings Bonds.

## P. X. Notes

(Continued from page 2.)

licitations can be made and, hopefully, seven months later we have that new Hobby Shop, or whatever.

As I was finishing the interview, Martha informed me of some late-breaking concession news which I pass on to you. The vending contracts with Macke and Toms will be replaced soon (completed change by the end of June) by Canteen Corporation, so watch for changing machines in your area. If the building is ready in time, the new Radio/Electronics concession will open this month in Building 1170. DID YOU KNOW? Toyland is now open year around in Building 1169.

The PX Service Station now offers tire retreading service. For example, all 13" tires retread for \$12 to \$18 depending on whether it's a black wall, white wall or radial. There is no additional charge for black or white wall Mud-Snow Tread.

MG (Sel) Bobby Presley takes over the reins of AAFES at Dallas Headquarters in May, with BG (Sel) Duane Stubbs assuming deputy duties.

## In My Opinion



by Bob Jones

Many people in the United States are lamenting the phasing out of the English System of weights and measures and the coming of the Metric System. The engineers and architects say it will require new reference tables and the nominal sizes of construction materials will change. The tradesmen claim the requirement for new tools will raise the price of construction and repair work. The housewife cries it is too hard to understand. In my opinion, the reference tables are available and the nominal sizes of construction materials are constantly changing without sound reason, so I see no new problem. As for the tradesmen, I can only see it eliminating their current problems. Due to the vast amount of foreign imports, they are required, in most trades, to maintain a set of English and a set of metric tools. Elimination of the English System would allow them to eventually discard one set of tools. To the housewife and all the others I say, "If you will take the time to read about the simplicity of the Metric System, you will see that any inconvenience or temporary expenses incurred during the transition period is well worth while.

In the English System of linear measurement we find eleven recognized units of measure (see table #1). The foot, which is the basic unit of measure, and the hand are both quite practical units of measure. They were intended to be

TABLE #1

### English System of Linear Measurement

Inch	.083 or 1/12 of a foot
Hand	4 inches
Link	7.92 inches
Foot	12 inches
Yard	3 feet
Fathom	6 feet
Rod	16.5 feet
Pole	16.5 feet
Perch	16.5 feet
Gunter Chain	66 feet
Mile	5,280 feet

the average length of a man's foot and the average width of his hand. These values are easy to visualize; the hand is 1/3 of a foot, a link is approximately two hands and a yard is three feet. All are based on the foot and are easily understood, but the remainder of the system is neither easy to visualize nor understand. It does not follow any continuous pattern. As an example, the inch is 1/4 of a hand, 1/8 of a link, 1/12 of a foot and 1/36 of a yard. The rod (also called a perch or pole) is evenly divisible only by inches. The chain, which equals 66 feet, can only be divided into links, or inches. Neither of these units are evenly divisible by the basic unit of measure, the foot. This lack of symmetry means that an individual must learn to use eleven different terms to represent nine different units of measure.

The Metric System of linear measure (see table #2) provides a completely different approach to (Continued on page 8.)

# In My Opinion

(Continued from page 7.)

the problem. It uses the meter as the basic unit of measure and the decimal system, similar to our money system, to develop the various other units of measure. The meter was intended to be one ten millionth of the distance from the equator to the north pole. While this is not exactly the case, the meter is still a very practical unit of measure. It is perhaps a little difficult to visualize, so if you must compare it to something, it is equal to 39.37 inches or just a little more than a yard. But let's lay aside all comparisons of sizes and compare systems. In the Metric System of linear measurement,

TABLE #2  
Metric System of Linear Measurement

Kilometer	1000.0 meters
Hectometer	100.0 meters
Decameter	10.0 meters
Meter	1.0 meter
Decimeter	.1 meter
Centimeter	.01 meter
Millimeter	.001 meter

the meter is the only unit of measure. All other units are divisions or multiples of the meter and are designated by prefixes. As an example, when the prefix, kilo, is added to meter we get kilometer or 1,000 meters. Other prefixes used are hecto (100), deca (10), deci (1/10), centi (1/100), and milli

(1/1000). To use the Metric System we need only know six prefixes and one unit of measure, as opposed to eleven terms and nine units of measure in the English System.

In the next edition I will address our equally ambiguous and confusing system of weights. In the meantime, note the attached chronology as extracted from NBS Pub 286 and reassure yourself that the Metric System is not some new educational philosophy being imposed upon your children as the "new math" was. The idea of the Metric System is now 307 years old. The latest poll shows that 92 independent States officially use the Metric System while 32 do not. (20 of which are members of the British Commonwealth.) Don't you think our transition is long overdue?

## IMPORTANT DATES IN U.S. METRIC HISTORY

- 1791—"Jefferson Report." Thomas Jefferson described England's weights and measures standards to Congress "on the supposition that the present measures and weights are to be retained," and also outlined a decimal system of weights and measures of Jefferson's conception.
- 1821—"Adams Report." John Quincy Adams recommended to Congress that they act to bring about uniformity in weights and measures, and described France's young Metric System as a praiseworthy attempt at uniformity.
- 1866—"Law of 1866." Congress made use of the Metric System legally permissible throughout the United States.
- 1875—"Treaty of the Meter." On May 20, the United States entered into a treaty with 17 powers establishing the International Bureau of Weights and Measures, and providing for its administration.
- 1890—The United States officially received Meter No. 27 and Kilogram No. 20.
- 1893—"The Mendenhall Order." The Secretary of the Treasury announced that the international meter and kilogram would be regarded as fundamental standards by the Office of Standard Weights and Measures (which became the National Bureau of Standards in 1901).
- 1902—A bill brought before the Congress to make the Metric System mandatory within the Federal Government was defeated.
- 1957—In September, a committee of the Organization of American States proposed that the Metric System be adopted throughout the Western Hemisphere.
- 1959—Australia, Canada, New Zealand, South Africa, the United Kingdom, and the United States adopted common standards for the inch-pound system in metric terms. One inch was made equivalent to 2.54 centimeters and 1 pound was made equivalent to 0.453 592 37 kilograms. (The Coast and Geodetic Survey, which had used a slightly different conversion factor previously, retained their established relationship of 1 inch equaling 2.540 005 centimeters because of the extensive revisions which would be necessary to their charts and measurement records. The resulting foot based on this retained conversion is known as the U. S. Survey foot.)
- 1965—On May 24, the British Board of Trade announced that the government consider it desirable to adopt metric units in the United Kingdom, with a target date for conversion of 10 years.



## DMS CINDERELLA TEAM WINS

The Fort Belvoir Intramural Bowling Program came to a close on Wednesday, 11 May, on a joyous note for DMS. The Intramural Program has three leagues, the American, National and International and at the end of regular season play, the top four teams in each league compete for the post championship. DMS fielded a team in each of the leagues and two DMS teams finished within the top four positions.

"A cinderella story comes true for our third DMS team. This team fin-

ished fifth in the International League, but became eligible for the post roll-off because the fourth place team was unable to participate.

Awards are given for regular season play and for the post championship. The Post Champions are none other than our own DMS cinderella team from the International League. In a close fought battle, the team of Ron Fanning, Dick Zieres, Jim Cowan, Paul Lynne and Don Cronin (Continued on page 5.)

# CONTOUR

VOLUME 4 NO. 11

DEFENSE MAPPING SCHOOL

JUNE 3, 1977

## 2d Bn Changes Commanders

by SGM Bill Locke

Relinquishing command, LTC Robert Beatty passed the Battalion colors to COL Charles Debelius, Brigade Commander, during traditional change of command ceremonies on 24 May. The weather seemed perfect for the occasion and seldom has the band or the troops performed better. Held in front of the memorial for

those Engineers who have "Died in Defense of Freedom", COL Debelius completed the change by presenting the colors to the new commander, LTC John Castro. When ISG Rogers had received the standard from his new commander and had returned it to the Color Guard, the party returned to the reviewing stand where both the old and new commanders offered comments to the assembled

dignitaries and guests.

The remarks were brief and sincere. LTC Beatty, who remains at Ft. Belvoir as Brigade XO, thanked all who have contributed to the success of the Battalion, including his wife, and LTC Castro expressed his optimism of continuing the Battalion's reputation.

Our (for those of us Army) new Battalion Commander is a graduate of both Canisius College and Niagra University with a Bachelors Degree in English and Masters in History. (Continued on page 6.)



LTC Castro addresses his newly acquired Battalion as COL Debelius and LTC Beatty look on.



LTC Castro passes unit colors to ISG Rogers after receiving them from COL Debelius (left).



As reported in our last column, we have spent a fairly intensive couple of weeks with the DMA Director's Review and the annual MC&G Conference. I chose to follow these events with a week's leave for a mixture of grass mutilation, garage cleaning, and general goofing off. When I finally got back to Bagley Hall, many were the mock reintroductions and snippy comments ("Haven't we met before?"). None went so far as our PPO staff, however. They prepared an orientation tour itinerary and suggested enrollment in MC&GSOC.

On my return, Don Light announced his impending reassignment to DMATC (the two events were not related, Don insists). He will be their Chief of the Advanced Technology Division in PRT. The management of civilian careers at the executive level has always been carefully monitored by DMA Headquarters; these guys need to know all of the facets of the MC&G business to continue to advance and improve. For this reason, I agreed to the transfer with highly mixed feelings. Don's expertise and his knowledge of the mapping establishment have been invaluable to DMS. His close personal support and loyalty have helped me through many a significant briefing and tour. Not the least of our joint accomplishments was a tour of London's Buckingham Palace, Sloane Square, and several back alleys (we got lost in thirty minutes flat. Not only that, when his photos were developed we both looked like we had been there for years. In any case, TC is gaining a fine man.

Don is being replaced by Reuben Cook from TC's PRT shop. Reuben, Don, and I all worked together in the same directorate during the TOPOCOM days. I'll let him introduce himself; be on the lookout and extend a DMS welcome to a spare, articulate stranger with a Texas accent.



by SGM Bill Locke

Over the next several issues, I plan a series of articles on some of the less visible (at least to some of you) Exchange facilities available at Fort Belvoir. While some of these outlets are frequented from time to time, I think it would interest you to know a little more about a few of them. This issue will address the North Post Branch Exchange. What kind of picture does the term "Branch PX" conjure up in your mind? Well, in my mind (and you all know about that) I still tend to see a "joint" that's 75% beer garden with a greasy snack bar and a few shelves with soap and cigarettes. I know that dates me a bit, but it goes to

show how much I use a Branch Exchange, and believe me, they're not like that here.

Our North Post Branch, located on Abbot Road, "catty-whompus" across the street from Wood Theater, is a fantastic little place. Under the management of Ms. Roland, who also oversees Foodland (future article), the NP Branch is a booming place. Sales are up 20% and have set local records the past several months. Ms. Roland attributes the success to knowing what the troops want and keeping proper stock levels. Featuring attractive operating hours for their more prominent customers (11-2100 M-F and 16-2000 Sat) is another feature that makes the store so popular.

Starting with the "basic stock structure" of any store, e.g. soap, brasso, drugs, etc., the NP Store has nearly everything the main store carries, but of course, may lack the variety due to display and storage space. Even featuring the "yellow piggy" money savers and AAFES Specials, they display and stock a tremendous line of items. In addition to the usual "soap and brasso", there is/are: canned meats, oatmeal, household cleaning supplies, bread, milk, charcoal, beer, soda pop, lunch meat, cigarettes, magazines, greeting cards, military clothing items and on and on and on. Would you believe there are also: TV's for rent, a line of leisure clothing, record display with all the latest hits, stereo sets, clock radios, electric razors,



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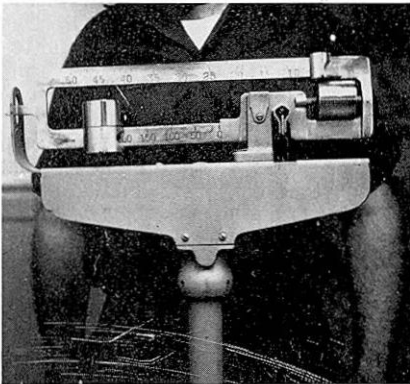
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Director: COL Edward K. Wintz

Editor: James Harnden

watches, jewelry, girly magazines, and again, on and on. Based on customer requests, Ms. Roland began stocking a small line of automotive supplies and it's going great guns, so well, in fact, the day I visited, they were out of socket sets for example. A far cry from that place (Continued on page 6.)

## MYSTERY PERSON



Anchors aweigh? An anchor could hardly weigh more, even a Volkswagen motor. A gadabout? Maybe. In some circles (or is it diamonds) he would be called short, but really isn't. To make sure I've touched all the bags with my cluegiving, I should mention that Gutenberg would have been happy to have had him around.

ANSWER TO 20 MAY MYSTERY PERSON



Surely COL Wintz and LTC Sprinsky picked up on the "...w/o a ladder?" clue. Yes Colonels, it was a Warrant Officer. No doubt (unlike Thomas the apostle) this flea could mount sans ladder and left his "mark" in many places. Not many have seen Mark Thomas without his merkin, but everyone in DMS saw him astride his pony, Salt Lick, who starred in 342 westerns before going to pasture (remember Lulu?).

## IN THE DUGOUT

by Wilbur McCullough  
SGM Bill Locke

Lady Luck, The Wizardry of "Casey Radu", Boomer's Bombs — any of these could have played an important role in DMS's first softball victory. Those who came out to watch Radu's Rascals on May 11th were treated to an exciting, nail-biting ballgame and with the strict time limit on ballgames, 1 hour and 15 minutes, it may have been a blessing to the fans and the team.

This magical masterpiece started rather abruptly when the opposition slashed a long fly off Boomer in the first inning which was subsequently fumbled allowing a round trip on the bases. DMS responded in the bottom of the 1st by collecting two doubles, one turning into a triple on an error, and two singles which netted 3 runs for the good guys. In the second, "the rascals" got two quick outs but a two base hit coupled with a throwing error and a single netted the opponents a run. The danger in the inning quickly ended when John Shane snagged a routine fly. Coming to bat in the 2d, three fast outs by the rascal batters gave the

fans cause to wonder if the opposing pitcher was hot or our bats were cold. The 3d inning was rather uneventful. The Bombing Boomer, after issuing a leadoff walk, caused the next three opponents to hit rather high, weak flies to outfielders. In the top of the 4th, Boomer's bomb allowed a leadoff home run tying the contest. This was followed by a run producing single coupled with a three base bobbie and throwing error. After two quick outs, a single and a two base throwing error caused such a glare from "Casey Radu" that the fans seventy-five feet away felt the heat. Fortunately, the flames didn't prevent the next batter from flying out. Now, we are a run behind. Don't be downhearted folks! "Shoobox" Batt slaps his second double of the evening followed by two sharp singles and we're back in a tie. The "Big O" literally fans the air for a third strike but "Hustling John" slaps a double which pushes in the tiebreaker. "Bubba" meekly flies to center and "Sticky Fingers" Mosher lines to the shortstop snuffing out the rally. The fifth inning saw DMS's right fielder, "Speedy" Sigmon, make a running, diving catch which caused the opponents leadoff hit- (Continued on page 7.)

## EDITOR AWARD

Ellen Cramer, a former Editor of the Contour, was honored recently by the Society for Technical Communications at their annual awards banquet in Washington, D.C. Ellen, who is now Editor of the "Tech Tran Quarterly", accepted the award for their fine publication on behalf of the Engineer Topographic Laboratories.

## STOP BY-SAY HI

Most of DMS is aware of the unfortunate accident which recently befell one of our Offset Press students. Pvt Helen Wright is her name and we were all greatly relieved to hear that Helen will be fully recovered. However, Walter Reed Hospital is going to be her home for some time, so we are asking any DMSer or their family who are going in that direction to stop by Ward 9, Room 8 and say hi. Helen is about as far from home as she can be so our visits would be most welcome. Check with Cathy McCloskey for additional information.

## NEW CAPTAIN IN MC&GOC

As promised, for answering a question correctly in class, LT John L. Quick of the MC&GOC Class 2/77, was promoted to Captain on 16 May 1977. The promotion ceremony was held in the MC&GOC Classroom with LT COL Paul E. Westphal, Jr. performing the honors. Captain Quick, his wife, Suzanne, and their 3 sons are headed to the 649th Engineer Battalion (T) in Germany. Congratulations, Captain Quick.



# In My Opinion



by Bob Jones

As indicated in the previous edition, I will conclude my discussion of the Metric System by addressing our ambiguous and confusing English System of weights. A good look at this system (see Table #3) will reveal three different subsystems: avoirdupois, troy and apothecary. In my opinion, these systems contain many ambiguities. In many instances they use the same terms to represent different units of measure.

In the avoirdupois system of weights, we recognize the use of the long ton, short ton, long hundred weight, short hundred weight, pound, ounce, dram and grain. A quick glance at Table #3 tells us that a short hundred weight is 100 pounds while a long hundred weight is 112 pounds. How can 112 pounds be a hundred weight? I find these inconsistencies confusing.

In the troy system, we find the terms pound, ounce, pennyweight and grain. The apothecaries' system closely approximates the troy system; it uses the terms pound, ounce, dram, scruple and grain. Another look at Table #3 shows that, while

TABLE #3

## English System of Weights

### Avoirdupois:

Ton	
Short ton	2000 pounds
Long ton	2240 pounds
Hundredweight	
Short Hundredweight	100 pounds
Long Hundredweight	112 pounds
Pound	16 ounces
Ounce	16 drams
	(437.5 grains)
Dram	27.34 grains
Grain	.00228 ounces
	(.036 drams)

### Troy:

Pound	12 ounces
Ounce	480 grains
Pennyweight	24 grains
Grain	.00208 ounces
	(.0166 drams)

### Apothecaries:

Pound	12 ounces
Ounce	480 grains
Dram	60 grains
Scruple	20 grains
Grain	.00208 ounces

TABLE #4

## Metric System of Weights

Metric ton	1,000,000 grams
Quintal	100,000 grams
Kilogram	1,000 grams
	(2.2 pounds)
Hectogram	100 grams
Decagram	10 grams
Gram	1 gram
	(.35 ounces)
Decigram	.1 gram
Centigram	.01 gram
Milligram	.001 gram

the terms pound, ounce and grain are used in all three systems, they do not mean the same thing in avoirdupois as they do in the troy and apothecaries' systems. The term dram represents 27.34 grains in the avoirdupois system and 60 grains in the apothecaries' measure. These ambiguities will be eliminated when we adopt the metric system.

The metric system of weights, as it was in linear measurement, is very simple. It employs one basic unit of measure, the gram, and uses the same six prefixes to designate multiples or divisions of the gram (see Table #4).

The measure of capacity, in the English System, requires another long list of terms and units which contribute to the confusion of the system. It is divided into two categories: liquid and dry measure (see Table #5). In the measure of liquids we find the terms: gallon, quart, pint, gill, fluid ounce,

TABLE #5

## English System of Measuring Capacity

### Liquid measure

Gallon	231 cubic inches
	(4 quarts)
Quart	57.75 cubic inches
	(2 pints)
Pint	28.87 cubic inches
	(4 gills)
Gill	7.22 cubic inches
	(4 fluid ounces)
Fluid ounce	1.80 cubic inches
Fluid dram	0.22 cubic inches
Minim	1/60 dram (.003759 cu")

### Dry measure

Bushe1	2150 cubic inches
	(4 pecks)
Peck	537.6 cubic inches
	(8 quarts)
Quart	67.2 cubic inches
	(2 pints)
Pint	33.6 cubic inches

fluid dram and minim. In dry measure we use bushel, peck, quart and pint. Once again, we find common terms with different meanings. Pints and quarts as used in dry measure contain several more cubic inches than they do when used in liquid measure.

In the metric system, there are no ambiguities in the measurement of capacities. The liter is the only unit of measure and like other measures in the metric system it works on multiples of ten (see Table #6).

As was noted in the previous article, Congress has considered the adoption of the Metric System in this country on several occasions but we are presently existing under a "permissive" law which allows its use while requiring no one to do so. Along with many others, I feel that the ultimate adoption of the Metric System will only take place through a mandatory, planned program and the sooner this decree is issued, the sooner we will join the other 75% of the world who are using this internationally understood system.

TABLE #6

## Metric System of Measuring Capacity

Kiloliter	1,000 liters
Hectoliter	100 liters
Decaliter	10 liters
Liter	1 liter
	(61.02 cubic inches)
Deciliter	.1 liter
Centiliter	.01 liter
Milliliter	.001 liter

*Editor: Education Center offers a course for military and civilian personnel which will enable students to better understand and apply the metric units of measurement. See your Educational and Daily Bulletins for Course dates.*

## METRIC SYSTEM USE DIRECTIVE SIGNED

*Extracted from "The Engineer"  
Jan—Mar '77.*

Total conversion to the metric system is one step closer. Deputy Secretary of Defense William P. Clements, Jr., recently signed a DoD directive which will govern DoD use of the metric system of measurement.

The directive — number 4120.18—  
(Continued on page 6.)



# CINDERELLA TEAM

(Continued from page 1.)

triumphed over a strong team from HHC, 2d Bn. of the American League. The total margin of victory was seven pins.

In the regular season play, the other DMS teams fared well, both on team and individual awards. In the American League it was a close race right up to the last night of bowling. Led by team captain, Rich Beebe, this team beat a very good 35 E team from Mech & Tech for first place. Receiving trophies were Ralph Conley, Grant Carpenter, Karl Abt, Ron Olson, Ron Wenrich and Bill Sutton. Individual awards went to Rich Beebe for second high average, Ron Olson for second high series handicap and for big Ralph Conley, a trophy for high game handicap with a nice 280 total. Bill Sutton took third high game scratch with a 233 game.

In the National League it was DMS finishing second to a team from FESA. DMS tied for second with CSC, but total pin count gave DMS second place. Besides individual second place team trophies, the DMS team led by Dave Cook took all three places in high average category.

Second high average went to Harold Hester and third to Don Roberts. Gene Rudy placed first in the high series scratch category with a nice 646 set. Other members receiving team trophies were Jerry Eaton and John Maxwell.

When the last ball was thrown and all scores totaled, DMS walked away with the POST CHAMPIONSHIP and a total of twenty-seven awards. With a secretary like Don Roberts and a president like Bill Sutton how could we lose. Congratulations to all those individuals who were involved in this fine Intramural program.



Between flights from the city of Philadelphia before advancing British forces, the Congress of the new nation of the United States of America, enacted the charter establishing our Nation's flag on June 14, 1777.

The resolution spelled out the requirements for the flag: "Resolved that the flag of the United States be 13 stripes alternate red and white, that the Union be 13 stars white in a blue field representing a new constellation."

Although the American flag established by that resolution was flown by Naval vessels during the American Revolution, for almost a decade after the end of the war no U.S. military unit carried the new Stars and Stripes. At the war's end, the Navy was sold and the Army disbanded, except for a few troops. Thus, from August 1785 until 1794, when a new Navy was established, only American merchant ships carried the flag.

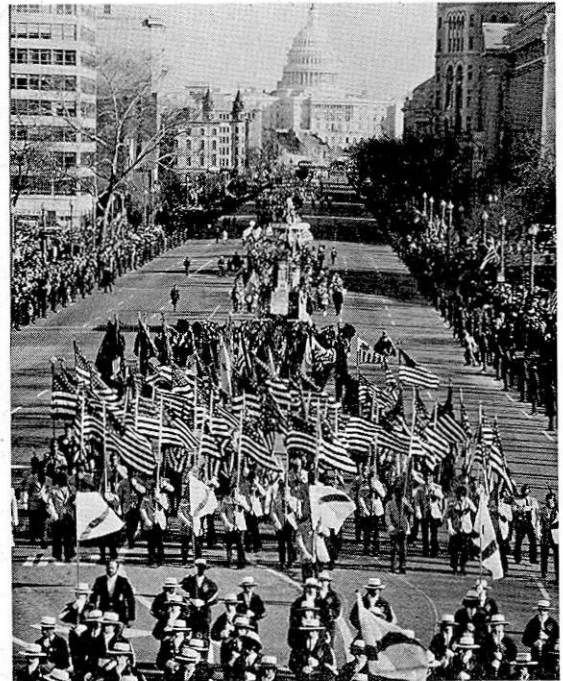
Congress, before adopting the resolution, had expressed a unanimous opinion that the new flag should not resemble the British flag; yet the colors chosen for the "Stars and Stripes" were exactly those of the English "Union Jack." Flag makers used their imaginations in designing red, white, and blue banners. The U.S. Army, moreover, did not carry the Stars and Stripes for another half century, instead carrying its own Army flags of various designs.

When the King of Naples decided to open his ports to U.S. ships in October 1778, his ambassador asked Benjamin Franklin and John Adams, the U.S. representatives to the Court of France, for a description of the U.S. flag.

The statesmen answered, "It is with pleasure that we acquaint your excellency that the flag of the United States of America consists of thirteen stripes, alternately red, and white; a small square in the upper left, next to the flag staff, is a blue field with thirteen white stars, denoting a new constellation."

Their reply continued in a manner which was undoubtedly confusing: "Some of the States have vessels of war distinct from those of the United States. For example, the flags of the vessels of war of the State of Massachusetts Bay have sometimes a pine tree; and those of South

# '... A New Constellation'



Whether raised at home, flown at a military installation, or carried in a main street parade, the Stars and Stripes symbolizes our Nation's history and the American way of life. The flurry of American flags being carried in the picture above were part of President Carter's Inauguration Day Parade down Pennsylvania Avenue in Washington, D.C.

Carolina, a rattle-snake in the middle of thirteen stripes. Merchant ships have often only thirteen stripes, but the flag of the United States ordained by Congress is the thirteen stripes and thirteen stars above described."

Nearly 135 years elapsed before the design of the national flag was officially fixed in exact detail. Although June 14, 1777, is designated as the birthday of our flag, there were two major changes after that date. In 1794, Congress enacted a bill saying that on May 1, 1795, the flag of the United States should be "fifteen stripes alternate red and white; and the union, fifteen stars, white in a blue field."

On April 4, 1818, additional specifications were enacted into law when Congress stated that beginning July 4, 1818, the U.S. flag was to be "thirteen horizontal stripes, alternate red and white; the Union, twenty stars, white in a blue field." A second section of the brief law provided that on the Fourth of July following the admission of every new State, a star should be

added to the Union.

There are numerous stories and myths concerning the history of the U.S. flag, including the most famous one associated with Betsy Ross. One flag historian disposes of this myth by saying, "At a time when the life of the Nation was hanging in the balance, that men of the intellectual caliber and heavy responsibilities of George Washington and Robert Morris would fritter away an afternoon in familiar discussion with an indigent seamstress over the trifling detail of how the stars in a flag should be cut and arranged exceeds the reasonable bounds of human credulity."

It is the history of the people represented by the American flag which gives it true significance. The flag itself is simply a banner, but as Woodrow Wilson stated on Flag Day in 1917, "We celebrate the date of its birth; and from its birth until now it has witnessed a great history, has floated on high the symbol of great events, of a great plan of life worked out by a great people."

## 2d Battalion

(Continued from page 1.)

An airborne qualified Infantry Officer, LTC Castro comes to the Battalion from the Secretary to the General Staff Office. Prior to that, he served as Executive Officer of the Brigade's 3d Battalion. Interviewed in his office less than 24 hours after the ceremony, he admitted that his most enjoyable tour had been in Hawaii. Would that we all could say that. He continued modestly to mention the "usual" two tours in Vietnam and an interesting assignment as an ROTC instructor.

Colonel Castro sees the Battalion's biggest challenge as "being responsive to the needs of the people". This task is often difficult because the "people" more readily identify with their "section" (CON 1 & 2, Mech & Tech, DMS, etc.) than with the Battalion. "Somehow", he says, "we must change that attitude.

I want the soldiers to know that the Battalion can take care of a lot of their problems and has the mission to do just that."

The Defense Mapping School wishes you success John Castro, and may the sun continue to shine on your command as it did the day you received it.

## Metric Directive

(Continued from page 4.)

calls for progressive adoption of the system within DoD. It also directs that DoD keep abreast of conversion activities within the U.S. industrial community.

It provides for use of metric units in design of new weapon systems and equipment when there are no significant technical or cost penalties. However, the conversion of existing designs is discouraged.

The directive conforms with Pub-

lic Law 94-168 which provides for coordinating increased use of the metric system. DoD officials say that many defense-related industries are converting or planning conversion to the metric system.

The new directive will permit more effective NATO standardization and encourage joint production programs. The U.S. has been the only member of the NATO alliance to use non-metric units of measure.



**Empty  
seats  
outnumber  
full seats  
4 to 1.**

Doubling up can cut your commuting expenses in half as well as saving our Nation's energy. It can also make that daily drive twice as nice.



## P.X. Notes

(Continued from page 2.)

I could only visit on Sunday (if my weapon was clean) 21 years ago.

Among the services rendered is a lay-a-way and check cashing for a amount of purchase plus \$10.00. The Store also reflects nice changes to cater to the increasing female troop population.

One of the most remarkable things I discovered, is that this "Macey's" is run by only two employees per shift. You can imagine how busy the place must get when someone needs a check cashed, someone wants to put a stereo on lay-a-way and there's a line at the check out register. Ms. Mayo, the "Annex Supervisor", says that it's difficult knowing whether you're coming or going sometimes. So, next time you need a loaf of bread, bag of

charcoal, a six pack of your favorite beverage or whatever, and it's late at night, drop by and be served with a smile. If you haven't already discovered it, it's the only Exchange Retail outlet you're going to find open until 9 p.m. (Foodland closes at 8).

Not part of Ms. Roland's operations, but sharing the same building are a super Snack Bar and Barber Shop. The Snack Bar, headed by Ms. Peggs, working under AAFES Food Manager, Mr. Albuquerque, it's a swinging place itself. Displaying self-service corn dogs, taco's, fried chicken, fish cakes, soup, and cold sandwiches, beer, soda pop etc., etc., there are also pinball machines and a juke box. A beer garden in the rear (awaiting extension speakers from the juke), it makes a nice place to visit after the movie.

You old timers will recognize Mr. Banks when you walk in the Barber Shop. I can remember when he cut my hair, so that should give you an idea of his tenure. If not, that's my hair you don't see in the columns' logo. A very nice four chair shop, there are usually two barbers working with more available on a busy day, according to Cliff Seay, Exchange Manager.

Don't take my word for it, drop in some day around noon and have lunch, get a hair cut (or two) and buy a present for your special girl. DID YOU KNOW? North Post Service Station is back in operation. Open 10-1800 week days, it offers Self-service only, and at present no weekends or holidays. Cost Price Limits on electronic calculators has been raised to \$132.15 due to rising (risen?) Wholesale Price Index.





Coach Radu prepares base runner Keller to score after a sacrifice fly.

## In The Dugout

(Continued from page 3.)

ter to scramble back to first wondering loudly, "where'd they get that clown". However, our short-stop, "Hands" Baird, quickly erased that runner on a neat forceout at second. To show the fans it wasn't an act, "Hands" then snuffed out the next runner to end the inning. Boomer, after "K-ing" (striking out for the edification of the loyal fan "Jake") in the third inning, unloaded a double in the fifth. Then "Shoebox", after two fly outs, lashed his third double of the evening, driving in the Boomer. But alas, "Speedy" meekly grounded out to the pitcher to end the inning. DMS is up in the run column by two and all Boomer has to do is set the opposition down and we will start the season on a winning note. However, that's not to be. A hit, a walk and another hit coupled with a two base throwing error produced two runs with a runner still on third. Then came a flyout scoring the lead run followed by a hit, but "Hands" snuffed them out by turning a neat double play. "Casey", to put it mildly, was upset with the quick turn of events. But while lamenting on his knees near the dugout, faith turned his darkness into sunshine. Those sometimes unfriendly folks in dark blue called the game. Time had run out and all action reverted back to the end of the fifth inning. We won by 2.

That's the kind of action you can expect all season, so why not come out to the ballpark?

Proving that they didn't need the hour and five minute rule to win, the DMS "10", A.K.A. Radu's Rascals or Super J's, pulled off a 6-3 win on 18 May over a scrappy Medical Company Team. Each team had 11 hits and left eight men stranded, but home runs by Tom's Baybrook and Folgate helped to make the difference. Wayne Baird, going in for injured Grant Carpenter in the bottom of the 1st inning, had 5 of the 21 putouts with Gary Thompson at short-stop sharing honors with 5 big assists. John Maxwell, picking up his first win, gave up only one walk. Backed by some tight fielding, John allowed no more than 3 hits in any one inning, thus holding the Med team to 3 runs.

Loyal fans, turning out for a rather late (nearly 2100 hours) game on 23 May, were not disappointed. Exploding in the very first inning for 10 runs, the Super "J's" were never in any real trouble. Followed by two more runs in the second, the game was called in the bottom of the 5th when, after two runs had already scored, Locke's double drove in two runs to put the "J's" 10 runs up. This allowed the umpire to invoke the "10 run" rule. We'll never know how bad things could have been for the hapless Hq Co Hq Command team as there was still an "out to go" when the game was called. One of the highlights of the game, and the apparent back-breaker for the opponents, came as

Ralph Conley belted a grand slam home run as part of the first inning deluge. Not to be outdone, Wayne Baird, in the same inning, batting for the second time, with one aboard, hit an 0 and 2 pitch for the second homer of the inning. In the next inning, Steve Sigmon followed John Shane's single with another 2 run blast. Defensively, Baybrook and Orly Keller combined for 10 of the 15 putouts. Despite the fact that there were only two more hits than last game and there were five errors, aggressive base running and timely home runs only left 2 stranded runners in the entire game and leaves the "J's" with a 3-0 record on the season.

Elsewhere in this august paper you'll find the 2d round schedule. If you've not seen a game yet, come on out to the ballpark. You'll note that 2d round play is at Spec-ker Field (next to the Field House on 12th street) which sports better stands and the famous (infamous?) Gearhart Chow Wagon. Hope to see you soon.



**Dog Watch**

Dog watch is the name given to the 1600-1800 and the 1800-2000 watches aboard ship. The 1600-2000 four-hour watch was originally split to prevent men from always having to stand the same watches daily. As a result, sailors dodge the same daily routine, hence they are dodging the watch or standing the dodge watch.

In its corrupted form, dodge became dog and the procedure is referred to as "dogging the watch" or standing the "dog watch".

# AMERICAN LEAGUE SCHEDULE

## 1977 FORT BELVOIR SLOW PITCH SOFTBALL PROGRAM

### WESTERN DIVISION

<u>DATE</u>	<u>FIELD</u>	<u>TIME</u>	<u>HOME TEAM</u>	<u>VISITOR TEAM</u>
6 June	Specker	1830	* DMS	EOAC "B"
	do	1945	Hq Co Hq Comd	Co A 11th Engr Bn
	do	2100	Medical Co	HHC 30th Engr Bn
		BYE	EOAC "A"	
8 June	Specker	1830	HHC 30th Engr Bn	Hq Co Hq Comd
	do	1945	EOAC "B"	Medical Co
	do	2100	EOAC "A"	* DMS
		BYE	Co A 11th Engr Bn	
13 June	Specker	1830	Medical Co	EOAC "A"
	do	1945	Co A 11th Engr Bn	HHC 30th Engr Bn
	do	2100	Hq Co Hq Comd	EOAC "B"
		BYE	* DMS	
15 June	Specker	1830	EOAC "B"	Co A 11th Engr Bn
	do	1945	EOAC "A"	Hq Co Hq Comd
	do	2100	* DMS	Medical Co
		BYE	HHC 30th Engr Bn	
20 June	Specker	1830	Hq Co Hq Comd	* DMS
	"	1945	HHC 30th Engr Bn	EOAC "B"
	do	2100	Co A 11th Engr Bn	EOAC "A"
		BYE	Medical Co	
22 June	Specker	1830	EOAC "A"	HHC 30th Engr Bn
	do	1945	* DMS	Co A 11th Engr Bn
	do	2100	Medical Co	Hq Co Hq Comd
		BYE	EOAC "B"	
27 June	Specker	1830	Co A 11th Engr Bn	Medical Co
	do	1945	EOAC "B"	EOAC "A"
	do	2100	HHC 30th Engr Bn	* DMS
		BYE	Hq Co Hq Comd	

# CONTOUR

VOL 4 NO. 12

DEFENSE MAPPING SCHOOL

JUNE 17, 1977

## This Herring Got Away

On Friday, 21 May, DMS held a farewell picnic for Major John C. Herring at the Castle Club "on the Potomac". LTC Radu presented the usual engraved survey plaque and CW3 Nohe a black leather briefcase — a replacement for the suitcase worn out under the call of duty at the Department of Survey.

Beautiful sunny weather, fragrant honeysuckle on the club's protective fence, hamburgers a la Bill Dean and Chris Nohe, open bar by Wayne Gleason, Bill Deacon, and Buddy Adkins, fried chicken by the Greens — food, food, food everywhere by all the Survey family — what a day for lazing along the river! And saying a sad farewell.

Jack and Jerry Herring are retiring to Oregon. Their new address will be 2985 Dreamer Lane, N.E., Salem 97303. In true Western hospitality, they have extended an open invitation to any and all DMS-ers who wander out that way. With their two young teenagers, Paul and Michelle, they are looking forward to the wide open spaces — preferably smogless.

With a Master of Science degree in Geodesy from Ohio State, Jack joined the 1381st (later 1st, and

then THE) Geodetic Survey Squadron in 1965. There (among other assignments) he assisted in the conversion to a bigger and better computer for all those least squares adjustments of triangulation and gravity nets. Where else would Major Herring's interests lie? His side work in stellar cameras and astronomic positioning led to an assignment at the Air Force Cam-

(Continued on page 5)

## Have Spiders-Will Spin and Ship

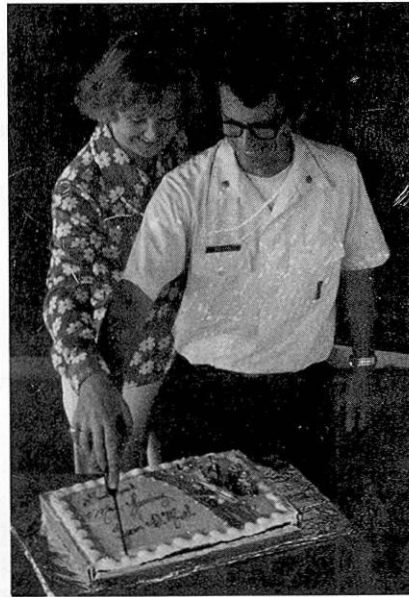


Little Miss Muffett

The DMS OSIR Division received a call for help recently from its counterpart at the 1st GSS, Warren AFB, WY. The Squadron had depleted its supply of spider webbing and found that GSA no longer carries this item in their inventory. As a result of this situation and the ensuing phone call, Mr. Tom Green, Chief OSIR Div, had his staff "pack a rack" of webbing for shipment. The Squadron inquired about borrowing one of our lovely widow ladies but we had to say no (black widows get air sick, you know).

If you think we're putting you on, dear readers, how about this? — Have you ever wondered how our little black wingless arachnids survive the winter months without their favorite menu of *musca domestica* (housefly) and *apis mellifera* (honeybee)? Ask Mrs. Burke and her OBS staff who naturally showed a good deal of skepticism upon receipt of a request from the spider keepers wanting a purchase request approved for a special spider diet called Fly Pupae. Now where in the world do you buy Fly Pupae? There

(Continued on page 2)





## From The Lighthouse



By publication time, Mr. Light, LTC Anderson, MAJ Good, Mr. Mulholland, Sergeant Reutze, and several others will have left DMS or will be fading fast.

Is it something I said?

In addition, Fort Belvoir will have said good-bye to BG Roper, the Assistant Commandant of the Engineer School. General Roper has supported DMS at many a briefing and staff meeting, and has conducted DMS Instructor award ceremonies, graduations, and other celebrations. Despite the fact that he was a merciless critic of my attempts at humor and has branded me a marginal manager because I'm color blind, I think we are losing a good friend. Best wishes, and our thanks for your support, General.

I neglected to report some months ago that DMAAC's Technical Director asked me why we were using Colonel St. Clair's picture (he's their Director) on our "PX Notes" logo. I was taken aback and shocked. There is practically no resemblance between the two individuals concerned. Why, Colonel St. Clair is poised, intelligent, commissioned, and has a veneer (albeit thin) of sophistication. However, on viewing the angle at which the photo was taken, I can see the resemblance. There is an excellent example here for TSD in reflectivity, albedo, sun angle, and Ground Truth.

It might be a good idea if we welcome Mr. Reuben Cook with some suggestions for his column title in the Contour. All kinds of things come to mind. "Cook's Tour?" Nah. "Too many Cook's spoil....?" Nah. "Walk a Cooked Mile?" Yuch! Work on it, gang.

Best wishes and a fond farewell to Don, Myles, Gerry, Len and Ralph. Have a great next assignment or job, stay healthy, and watch the line weight.

## HAVE SPIDERS

(Continued from page 1)

are folks who deal in this sort of thing and among DMS suppliers is the Carolina Biological Supply Company in Burlington, NC. Well, how would you like someone to take away your strawberry shortcake?

For the past few months I have been considering the opportunity to return to the DMA Topographic Center. After considerable thought and consultations with COL Wintz, COL Cordova and Mr. Pegler, I have decided to accept that opportunity. I will report to work there on 13 June 1977 as Chief of the Advanced Technology Division. Mr. Reuben Cook, presently Deputy Chief of PRT at DMATC, will be my replacement here. I am looking forward to getting back into the map production business and the associated R&D. DMATC has some fascinating new ventures in the coming digital era.

The next year offers many interesting new challenges for the people at DMS. I fully expect some "go" decisions on the long awaited Topographic Support System, and you can bet COL Wintz and our new Technical Director will be in there supporting the DMS position. By September we should be able to observe our ADP-oriented instructors begin to utilize the new Nova mini-computer which will be located in Wheeler Hall. Course-wise, the "Principles of Analytical Photogrammetry" and, perhaps, a new course in Remote Sensing and Photo Interpretation which seems to be getting good reception, are in the offing. Also, the DMS Dept of Cartography is working on a fancy little ADP system that we plan to contract out. In short, it will be a data management system for the various photogrammetric adjustment and transformation programs contained in its storage disc. The system, designed by D/Cartography, will be man-machine interactive to aid the learning process. We call it the Interactive Training System. Maj Kinnan, O'Neal and Company are working on the "Photogrammetric Adjustment Trainer", a subsystem of the total DMS system.

I would like to thank everyone at DMS for the fine cooperation during my tour here. As COL Wintz often says, "It's been a super." I feel we have made many accomplishments and more appear to be possible. Perhaps a DMS library or a full-fledged technical literature program could be next. I have enjoyed

being TD at DMS and really hate to leave. The entire three years have been most interesting and beneficial to me. It has been a real pleasure to get acquainted with the many fine people here at DMS. My replacement, Mr. Cook, is one of TC's best people, and I'm confident that his contributions to DMS will be felt in the future.

Again, thanks to all of you for three fine years.



by SGM Bill Locke

On Middleton Road, in the south end of a building shared with the Sewing Center, is the AAFES answer to the 7-11. Foodland, also known in some areas as Shopette, is an AAFES facility and not part of the Commissary system.

As you know, if you frequent the establishment, there are not quite as many items as 7-11, nor the variety. Stocking 1600 items, Ms Roland manages to carry the maximum number of food items allowed. As of 31 May, Foodland also stays open until 2100 hours to accommodate the need for that late evening box of

(Continued on page 4)

The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

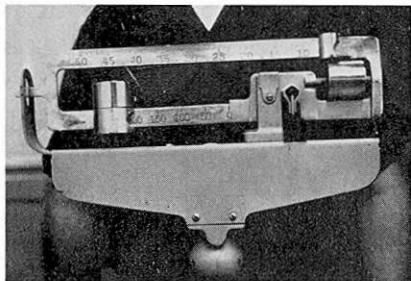
Address all communication to:  
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VA 22060  
Director: COL Edward K. Wintz  
Editor: James Harnden

## MYSTERY PERSON



The little tike looks like the doctor has just administered a shot in the "you know where". He's been close to a doctor more than once. While still not much taller, he was bigger for awhile. "Baldy" doesn't fit him to a tee, for unlike past mystery persons, he still has his hair. Do photos really tell the truth. He, with the black hat, thinks so anyway. Enough clues little fellow, dry your tears or Kris Kringle may pass you by this year.

-----  
ANSWER TO 3 JUNE MYSTERY PERSON



What else weighs 202 pounds besides an anchor or a Volkswagen motor? Well, John Batt of course. Lots of clues for this one. Check the following to see how many you found. If you know John, you know of course his penchant to a Volks. The gadabout? Drop the "about" and coupled with Gutenberg, you should have placed the body in Graphic Arts, at least. Finally, softball fans who've been attending games know John plays short fielder. By the way, he didn't know he was the Mystery Person until the paper was out. He thought we were doing an article on weight watchers.

## DODCI GRADUATES TWO

by Russ Henderson

If two of our Graphic Arts instructors are overheard uttering strange sounding words and phrases such as error message, DIM statement, parameters and step size, they are merely practicing some recently learned jargon. This lingua-franca was digested as part of the DODCI (DoD Computer Institute) course which was recently completed by Russ Henderson and Art Fleshman. Although they were enrolled in the Introductory Course, Russ and Art found the pace to be very fast, the material voluminous, the homework and tests a bit unexpected, the lecturers excellent and the classroom support outstanding. Overall rating — very professional. These

comments echo those of previous graduates of our other academic departments.

The course consists of a general introduction, flow-charting, programming in BASIC, systems analysis, computer architecture, operations and planning and some hands-on lab sessions.

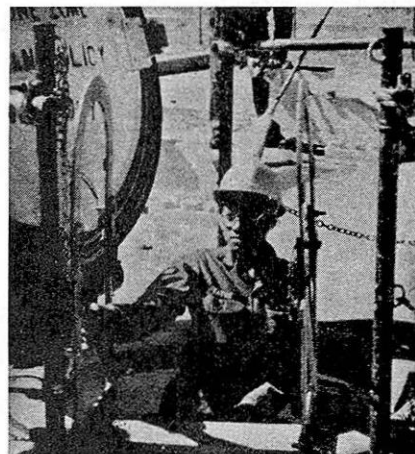
*Editors note: Our two graduates modestly claim that they knew nothing about computers before the course began and now they have progressed to knowing "next to nothing" about the subject. They have displayed their abilities at DMS and we congratulate them on completing a very demanding course of instruction.*

## GSS SURVEYOR WINS BEAUTY CONTEST

by Capt Richard L. Wiltshire  
Information Officer,  
DMATC/GSS

Recently, F. E. Warren AFB, Wyoming, had its first ever Ms Black American Heritage Pageant. Ten contestants participated in three rounds of competition consisting of casual wear, swimsuits, and African formal attire. The winner of the competition was none other than Airman First Class Ann M. Yates of DMATC's Geodetic Survey Squadron, a geodetic surveyor in the Data Acquisition Branch. Yes, you've come a long way, baby, to coin a phrase. You might think that females who win beauty pageants just can't be surveyors, but Ann Yates and geodetic surveying at F. E. Warren AFB have brought us into a new era. Airman Yates is but one of three women surveyors in the Geodetic Survey Squadron and all have made significant contributions toward the field surveying effort of the squadron.


Col. James E. Cowan, commander of the 90th Strategic Missile Wing, was particularly pleased with the pageant and expressed his desire to see it become an annual event. All



facets of the program were produced by local talent. The entertainment, consisting of a modern dance routine, musical performances and selected readings provided an exciting finish for the 500 people attending the evening pageant. And who would think that a surveyor could win such an event?

*Extracted from "Topo Comments"  
27 May 77*

**Need help? Call us. Want to help?  
Call us.**  
**Red Cross. The Good Neighbor.**

A Public Service of The Magazine  
& The Advertising Council 

# KEY WITNESS?

No, that is not the case; the photo depicts one of the Carto Department's outstanding instructors

taking another hitch.

SSG William (Bill) James III was recently sworn in by Major Kinnan for 3 more years in the US Army. Bill is an instructor in the Carto/Comp Division Basic Cartography Course. We are very pleased that he has decided to stay with us.

All the members of the Carto Department express their sincere congratulations to him and his family for making the right decision.



## P.X. Notes

(Continued from page 2)

Pampers or 6 pack of Bud. At the present, items that cannot be stocked include fresh meat and any alcoholic beverage stronger than beer. What can be stocked? Wow! Follow this - soft drinks (from 12-64oz sizes), baby food, Pampers, Similac, ice cream, school supplies, dog food, cigarettes, ice, bakery products, dairy products (including cottage cheese for that late night lasagna), packaged and potted meats, and if you're potted, V-8 juice and eggs. This is just a sampling of products offered. The list of "drug" type items could go on for columns. A note to the "kids" who read this column - baseball "cards" are now on soft drink cans. Foodland has a brand of drink on which are printed the picture and baseball data on lots of your favorite players, - why not start a collection. And, of course, your favorite beverage may be bought cold or at store temperature.

Supported by two supervisors, Ms Long and Ms Kelly, Ms Roland reports that sales are going great. As an example, the sales for May were 24% higher than for the same period last year. She modestly attributes this, in part, to the addition of at least 200 more items.

During my interview, I asked Helen specifically about bakery and dairy items and how often they're

replenished and checked. Vendors arrive every day, Monday through Saturday, before the store opens, to remove outdated stock and place new stock. As in all retail establishments, items are dated, and that includes packaged meats, as well as milk, bread, etc.. Only the Kern bakery products are undated. However, on these products, the color of the "tie" on the bag tells the story. Monday's bread has a black tie (so if it's a formal party, buy on Monday), Tuesday cream, Wednesday green, Thursday is red, Friday white and Saturday orange. Helen hopes to have a chart up soon to help you remember. Meanwhile, you have an excuse for hanging on to this issue of the Contour.

Every vendor checks the age code on his products daily and removes as necessary. Wonder bread, for example, dated 17 June, will be removed from the shelf on 17 June before you can enter the store.

Some of the services offered were new to me. For example, Foodland has a sidewalk sale in front of the Main Exchange every Saturday unless the weather is truly bad (or worse). And did you know that you can get keg beer (15½ gallon) by request? Preferring three days notice, you can lay on your requirement for \$21-\$31 (depending on the brand) a keg plus \$10 deposit for keg and \$35 for tap, both of which are returned when you return.

Knowing by now that nothing Helen is involved with stands still for long, I inquired about what might

be in store (poor pun) for Foodland. As soon as the new display fixtures arrive (should be there by the time you read this), the drug line will be expanded and a small line of housewares and hardware will be added.

Well, that's it! "Our" 7-11 doesn't quite have the hours of "theirs", but 1000-2100 weekdays with 0900-1730 on Saturday and 1030-1700 on Sunday ain't bad. The next time you snag your nylons ladies, a rack of Legg's awaits you. For the guys? Well, there's charcoal and lighter fluid when you discover you're out, or there are Legg's if your initials are JN.

UPDATE: The new addition to the Main Exchange is just about on schedule. Along about July the 4th, part of the east wall will be torn out, and the store will be in a bit of a turmoil for a spell, but we ask you to bear with us and continue to patronize your Exchange.

Electronics repair shop has been open for business now approximately 10 days. Watch for announcement of Grand Opening later this month.

DID YOU KNOW? AAFES has completed their credit card survey. Sixty-seven percent favored its use. Seventy percent enlisted were in favor, 57% of the officers. AAFES emphasized that customers will not pay more for products and services because of administrative costs involved in managing the system. "Concept Paper" will be presented to the Board of Directors this month.



The beer's Blue Ribbon, but the bread's Wonder or Kern.



Remedies for B. O. and headaches



From time to time a special or two



# SQT FACTS

*Editor: The following is a reprint of "SQT Fact Sheet" No. 77-1. While the Topographic Engineering CMF is not scheduled for testing in the near future, facts such as those below can lay to rest any misconceptions about Skill Qualification Tests (formerly MOS Tests) before it becomes a reality for DMS Army personnel.*

## "HOW DID I GET THAT SCORE?"

Fort Eustis, VA — Soldiers who recently received their first Individual Soldier's Report (ISR) are now asking, "How did I get that score?" The answer: By dividing the number of tasks scored GO by the total number of tasks taken.

For example, Specialist Jones takes the 11 Bravo SQT 2 which has 47 scorable units (tasks). Thirty-five are located in the Written Component (WC), six in the Hands-On Component (HOC), and six in the Performance Certification Component (PCC). Each scorable unit counts one point. He scores GO on thirty-one scorable units: 31 out of 47 = 66% GO. This 66% GO represents SP Jones' performance on the entire SQT.

Actually, the SQT is scored using a rather complex procedure to insure that all soldiers are scored as fairly as possible. When evaluating an SQT score, several areas must be considered:

1. A percent GO score represents a soldier's total score, and includes results of the Written, Hands-On and Performance Certification Components.

2. Maximum score is 100%; minimum ZERO. A score of at least 60% GO means you have verified your current skill level. A score of 80% or better qualifies a soldier for award of the next higher skill level, providing of course, other criteria have been met.

3. A soldier's score depends on how well he or she did, not on how others performed. All soldiers are scored against the standards listed in each SQT Notice.

4. The weight of a component depends solely on the number of tasks. Tasks are evaluated in a group of questions called scorable units. If the Written Component contains more scorable units, as most SQT now do, then the Written Component will naturally count more.

5. Tasks, which are not taken by the soldier, through no fault of his own, are not counted when the

score is figured.

6. The SQT score will not be combined with the EER to produce a single score as was the case with the MOS test. Promotion boards will now look at two scores: the SQT, which measures job performance, and the EER, which measures areas such as leadership and motivation.

Let's look again at our soldier who took the 11 Bravo SQT. By scoring 66% GO, SP Jones verified his current skill level, but failed to qualify for award of the next higher skill level.

He scored a GO on M-60 unit in the Hands-On portion of the test and a GO on the four life-saving steps in the Written Component. He received a single GO for each unit since all units are scored GO or NO-GO, regardless of component.

If the SQT Notice calls for 4 of 6 questions correct to score a GO for a unit, everyone who answers 4 or more questions correct will receive a GO. Specialist Jones answered all six questions correct; however, he receives a single GO for the unit. All soldiers who answered three or less received a NO-GO.

In some Performance Certification Components, soldiers may be given extra GO units for arms qualification or physical fitness. Firing Expert, for example, gave Jones 3 units GO. This increased his score slightly. Soldiers who qualify Marksman or pass the PT test with a minimum score receive a GO for each unit, but do not get the extra credit.

When evaluating your SQT score, the important thing to remember is that a GO is possible for every soldier who meets the minimum standards. These are clearly defined in each SQT Notice and the Soldier's Manual provides the means for achieving that standard.

Now, let's see....next year, with a little practice....47 out of 47 equals....

# IN THE DUGOUT

by SGM Bill Locke

If you've not yet seen a game, you've surely missed some zingers. Especially the game with HHC 30th Bn on the 1st of June. For a while, it looked as though the Super J's had fallen into a mould they hoped had long been broken. Committing seven errors in as many innings, it was down to the wire for a close 8 to 7 win. Neither team was really in command as the lead changed a number of times. Flirting with the old "hour and five minute" rule, and behind 7-6, the J's hurried onto the field in the top of the 7th and began the inning before that rule could be imposed. They quickly retired the side before Rule 2 (hour and fifteen minutes) would have also doomed them to their first defeat. Coming to bat in the bottom of the 7th it was do or die. The fans, as well as this reporter (I'm ashamed to say), thought it was 'die' as the first two batters were out on three pitches. A spark of hope remained, however, as Orly Keller walked on four consecutive pitches. With a cry of "remember the purple can" John Batt smacked a single and when the dust cleared runners were on second and third. Gary Thompson, lump in throat and with knocking knees, settled into the box knowing that it was likely to end with him, and it did. Cracking the first pitch right at the 2d baseman, who made a valiant effort only to watch the ball carom into right field, the hit was enough to score both runners and turn the night into victory. The 30th has a fine team with aggressive base runners and some good sticks.

(Continued on page 6)

# HERRING

(Continued from page 1)

bridge Research Laboratory from 1969 through 1973. From there he joined DMS, where as Chief of PPO he furthered the cause of computer science (again among other duties). In 1975 he was transferred to the Department of Survey. A most gentle and understanding Chief, he masterminded not only upgrading the geodetic survey instruction, but also computerizing the computations. Godspeed, Herrings. All the best wishes to you out in the Northwest. DMS will miss you.



# IN THE DUGOUT

(Continued from page 5)

We're going to have to play a tighter game to get by them again in the second round. Some of the game highlights were Tom Baybrook's home run in the 1st (seems to have become a habit), Gary Thompson's three RBI's and some good pitching from John Maxwell who caused 15 of the 21 outs to be of the unassisted variety.

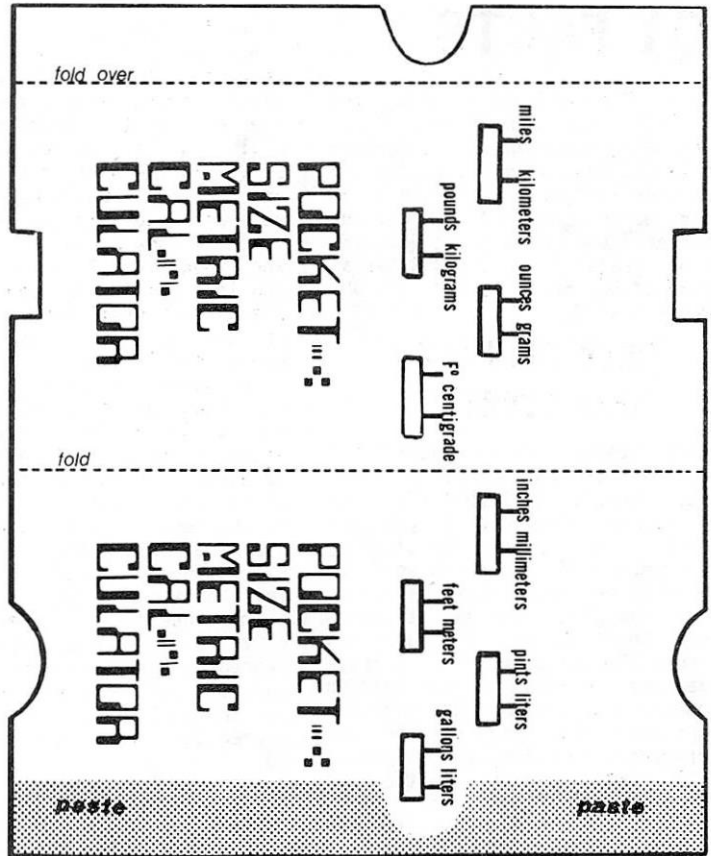
A scheduled make-up game with 11th Engrs on 3 June was once again postponed as our opponents were involved in an "alert". What else can deter their ultimate fate — that of losing to a great DMS team?

Hoping to finally play the EOAC "B" team on 6 June (you may recall that they were spared in the very first game when the lights went out) for the first game in round two, some unseen force spared them once again with a sudden rainstorm two hours before game time. It was so fierce, in fact, that the field was flooded and unfortunately (fortunately for the opposition) unplayable.

This paper, striving to be fair, must report that at long last the Super J's have lost. On 7 June, playing a last minute scheduled make-up against Co A, 11th Engr Bn (you'll notice that elsewhere in this article they had been marked as the loser) the DMS 10 went down to defeat in six innings of less than superb play. Not to take anything away from the 11th's Panthers, they were a better than average team on offense, but at times it seemed as if DMS were playing soccer instead of softball. The J's mounted their own offensive barrage of 12 runs, but it wasn't enough to overcome the numerous (we lost count) faux pas, or whatever, not to mention 19 opponent runs. Well, now that we've been suitably humbled, let's get on with the season.

As the paper was put to bed, we learned that at long last we may meet the EOAC "B" team. Hope you were there.

Pro Tip: Don't wear your spikes in the shower.



MAKE YOUR OWN METRIC CALCULATOR—Simply paste on light cardboard; use a razor blade and cut out the solid lines (including the space in the windows). Fold on the dotted line and paste up the seam. Insert the table inside the window-sleeve and you have your pocket metric calculator finished.

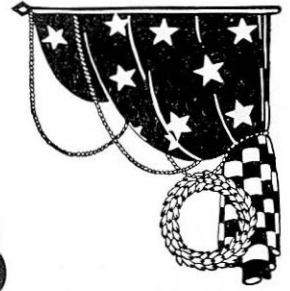
PULL					PULL				
1 1.609	1 0.5	¼ 7.1	-30	-34.0	½ .79	1 0.3	½ 236	1 3.8	
2 3.218	2 0.9	½ 14.2	-20	-29.0	¾ 1.59	2 0.6	1.0 473	2 7.6	
3 4.827	3 1.4	¾ 21.3	-10	-23.0	1 3.175	3 0.9	1½ 709	3 11.4	
4 6.436	5 2.3	1 28.4	0	-17.8	¾ 6.35	4 1.2	2.0 946	4 15.1	
5 8.045	6 2.7	2 56.7	4	-15.6	¾ 9.53	5 1.5	2½ 1.183	5 18.9	
6 9.654	7 3.2	3 85.0	8	-13.3	½ 12.7	6 1.8	3.0 1.419	6 22.7	
7 11.263	8 3.6	4 113.4	12	-11.1	¾ 15.88	7 2.1	3½ 1.656	7 26.5	
8 12.872	9 4.1	5 141.7	16	-8.9	¾ 19.05	8 2.4	4.0 1.893	8 30.3	
9 14.481	10 4.5	6 170.1	20	-6.7	¾ 22.23	9 2.7	4½ 2.129	9 34.1	
10 16.090	11 5.0	7 198.4	24	-4.4	1.0 25.4	10 3.0	5.0 2.366	10 37.9	
11 17.699	12 5.4	8 226.8	28	-2.2	1½ 38.1	15 4.6	5½ 2.602	11 41.6	
12 19.308	13 5.9	9 255.1	32	0.0	2.0 50.8	20 6.1	6.0 2.839	12 45.4	
13 20.917	14 6.4	10 283.5	36	2.2	2½ 63.5	25 7.6	6½ 3.075	13 49.2	
14 22.526	15 6.8	11 311.8	42	5.6	3.0 76.2	30 9.1	7.0 3.312	14 53	
15 24.135	16 7.3	12 340.2	46	7.8	3½ 88.9	35 10.7	7½ 3.549	15 56.8	
16 25.744	17 7.7	13 368.5	52	11.1	4.0 101.6	40 12.2	8.0 3.786	16 60.6	
17 27.353	18 8.2	14 396.9	56	13.3	4½ 114.3	45 13.7		17 64.3	
18 28.962	19 8.6	15 425.2	60	15.6	5.0 127.0	50 15.2		18 68.1	
19 30.571	20 9.1	16 453.6	64	17.8	5½ 139.7	55 16.8		19 71.9	
20 32.180	25 11.34		68	20.0	6.0 152.4	60 18.3		20 75.7	
30 48.270	30 13.61		72	22.2	6½ 165.1	65 19.8		30 113.6	
40 64.360	40 18.14		76	24.4	7.0 177.8	70 21.3		40 151.4	
50 80.450	50 22.68		80	26.7	7½ 190.5	75 22.9		50 189.3	
60 96.540	60 27.22		84	28.9	8.0 203.2	80 24.4		60 227.1	
70 112.63	70 31.75		88	31.1	8½ 215.9	85 25.9		70 264.9	
80 128.72	80 36.29		92	33.3	9.0 228.6	90 27.4		80 302.8	
90 144.81	90 40.82		96	35.6	9½ 241.3	95 29.0		90 340.7	
100 160.90	100 45.36		100	37.8	10.0 254.0	100 30.5		100 378.5	
200 321.80			110	43	10½ 266.7				
300 482.70			120	49	11.0 279.4				
400 643.60					11½ 292.1				
500 804.50					12.0 304.8				



**SAVE  
DEFENSE  
ENERGY**



See 8 exciting, memory jogging pages of photos on pages 7 thru 14 giving a panoramic view of the past 5 years as the Contour says...



# Happy Anniversary, DMS

# CONTOUR

VOL 4 NO. 13

DEFENSE MAPPING SCHOOL

1 JULY, 1977

## Farewell To Three Friends

by LTC Radu

Three TSD "Long Timers" were honored at a Happy Hour Farewell held at the Jolly Ox on 7 June. The honorees were LTC Gerald Anderson, Major Len Good and MSgt Ralph Ruetze. Gerry is on his way across the Gulf of Mexico to Peru for an assignment with IAGS. Len is headed across the Pacific for Korea, and MSgt Ruetze is crossing the Potomac River to work at Bolling AFB.

After the usual quips and witticisms, each of the honored guests were presented a plaque in remembrance of their many contributions while being assigned here. Further serious and prolonged toasting and well-wishing was curtailed, unfortunately, by many in attendance as



the whistle blew for the Super J's to mount up for their 1800 hour ball game. Those who remained — well, who knows?

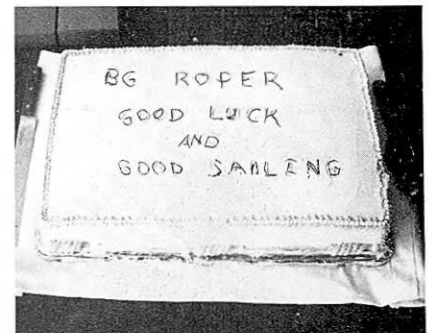
Good wishes, Godspeed and the best of fortune go with these three fine troops. DMS will hear from them again — they are all professionals.

## BG Roper Retires

In the traditional yet ever splendid and emotional ceremony, BG H. McKenzie Roper, assistant commandant of the U.S. Army Engineer School, retired from active service on 10 June. The pageantry was witnessed by a large crowd who came to bid farewell to BG Roper who also served as deputy commanding general of the Engineer Center and Fort Belvoir. His replacement, BG Charles Fiala, was on hand to accompany Maj Gen Johnson in reviewing participating elements from the 11th and 30th Engr Battalions and the USAECBde. DMS wishes to thank BG Roper for his constant support and our very best to him and his family in the future.



BG Roper conducts his final review



DMS wishes you " " "



## MYSTERY PERSON



It's a great temptation to devote much of this column to a critique and discussion of the last *Contour*. The signal for regular contributors to put thoughts on paper is distribution of the latest issue, followed by subtle reminders from Jim ("YER LATE!"). As a result, the latest chubby little Mystery Person and the most recent example of Warrant perfidy are fresh in the mind. It's not wise to follow the temptation, however, for the same reason that family spats conducted by mail during a hardship tour are never satisfactory. You just cannot generate snappy ripostes with a two-week lag. Suffice it to say that the last edition was a fine one; our thanks to Mr. Harnden and the contributors.

The farewell buffet for General Roper was a howling success. The guest list limited DMS participation somewhat, but we were very visible with our plaque and the McClatchey Multipurpose Military Map (Sea/Air) presentation. COL Osterndorf hosted the Roast, and one-liners filled the air which will not be repeated here (I'm not retiring). Thanks to the unethical and crude *Contour* scribbles of the aforementioned WO's, I was once again publicly referred to as "Colonel Winch." Sigh. We've got to get this place straightened up.

As reported elsewhere, today marks our institutional Fifth Birthday. There have been many changes since DMA General Order Number 3, and it is easy to count them off after a few moments of quiet reflection. People and courses have come and gone, but we're healthy and still producing the most complex and valuable single map product of all; the topographer. The men and women of DMS have plenty to be proud of. Happy birthday, folks!



This pert young man was destined for a higher vocation than throwing the pigskin or chopping wood on this Michigan farm. A childhood disease curtailed his plans for a few years, but he has no trouble in getting around now by any means of transportation. Although not Greek, Athens was his home for a time. You won't find him on the ball field — not even as a sub and from his point of view, he says "this isn't fair". Pretty corny, huh?

### ANSWER TO 17 JUNE MYSTERY PERSON



This one was so cute we may run it again later for another mystery person. The proximity to the doctor, of course, refers to the scholastic usage as our once chubby little friend nears that plateau. He certainly was bigger as we have seen him drop nearly 50 pounds recently. Tee, for (T4) was a little sneaky but along with the photos and black hat (Purdue alumnus) you should have guessed our little tike to be CW3 Nohe — first name Kris with a 'C'.

## END OF A LEGEND

by CW3 John Maxwell

June 10, 1977 is a date that will long be remembered by personnel in the Department of Cartography and the entire military topographic community. That date marks the end of a legend...a man respectfully referred to, by many, as "Mr. Topo".



Mr. Myles J. Mulholland has ended a brilliant and illustrious career spanning a period of 44 years of government service.

It all started back in the early thirties working with the Tennessee Valley Authority. When the war broke out, Myles entered the Service and remained on active duty until his military retirement in 1973. He worked his way up through the NCO ranks and was appointed Warrant Officer in the mid fifties. His assignments were world wide and, during the Vietnam build-up, Myles successfully commanded the 524th Engineer Company (Topo) (Corps) for over one year. "Mr. Topo" was also affectionately referred to as "Super Chief" and what a super chief he was!

After his retirement from the military, "Mr. Topo" returned to the Defense Mapping School as an instructor/writer. Recognized for his many accomplishments by a staggering number of awards, Mike was not one to rest on his laurels.

(Continued on page 3)

The Defense Mapping School *Contour* is an authorized Newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

Address all communication to:

Editor, *Contour*, Defense Mapping School, Ft Belvoir, VA 22060

Director: COL Edward K. Wintz  
Editor: James Harnden

# TECHNICAL DIRECTOR DEPARTS



by Will McCullough

At a luncheon on Thursday 9 June 1977, the Staff and Faculty of DMS bid farewell to Don Light. Even before Don became the Technical Director for DMS he was an influential force in our initial formation. He had accepted a temporary assignment from the Topographic Center as a special assistant to COL Kurtz, our first Director. He was to assist the Director in structuring a staff that would be comparable to the other DMA Components and be responsible on a Defense Department level. After several months in this temporary status, he departed for advanced schooling at the Naval War College in Boston. During his absence the position of Technical Director was established and COL Kurtz selected Don to fill this billet. His original task, and undoubtedly one of his most arduous, was to guide all of our Academic



Departments in the development of curriculums which would draw more people from DoD Agencies to attend courses at DMS. He, and many former members of the Staff, have made DMS a viable and well-recognized educational institution within the Defense Department.

When the Topographic Support System study came to DMS, Don was instrumental in providing input and encouraging the Academic Departments to develop their positions on the many technical facets surrounding that study.

Don's many contributions during his tenure at our School will remain long after he has departed. He has fulfilled his role as our Technical Director in a most professional manner. We have found him to be a gentleman in every sense of the word and he will be missed. Thanks Don, for a job well done.

## NEW CPT IN MC&GOC



Congratulations to CPT and Mrs. Eugene J. Iwanyk. CPT Iwanyk was promoted to that rank in a ceremony by COL Wintz in the MC&GOC Classroom on 6 June 1977. CPT Iwanyk is a 1973 graduate of the US Military Academy with a B. S. in Nuclear Engineering. After completing the current MC&GOC, CPT Iwanyk will be assigned to the 2nd Engineer Group in Korea.

## END OF A LEGEND

(Continued from page 2.)

"Super Chief" dug in with both feet and became deeply involved with a varied assortment of challenging tasks to include: EPMS, TSS, re-design of several courses, Course Manager, etc., etc., etc.

We are sorry to see the end of the legend. Not only will we miss his years of experience, expertise, humor, outstanding instructing and writing capabilities — but we will miss one fine individual!

Myles plans for the future are to stay within this area, donate his time and effort to a few close political friends, and laugh on his way to the Bank, with his three retirement checks. (He says he just can't afford to work any longer — it's costing him money.)

## MARINE RECEIVES MALTREATMENT

One of those rare instances of our candid-camera photographer being in the right place at the right time occurred recently as he apparently caught LTC Westphal and MGySgt Gonzalez applying the strong-armed treatment to Ron Dorman.



A second look at the photo reveals a smile on their faces which indicates the beating is not of a serious nature. Actually taking place was the old Marine tradition of Pinning on the Stripes. When the photographer found out the true story, he took another shot to show the action was all in good fun and tradition.



The second photo shows LTC Westphal congratulating Master Sergeant Dorman on his promotion. Top Dorman received his new stripes on 13 June with a date of rank of 1 June 1977. From all of the people at DMS we congratulate MSgt Dorman on his well-deserved promotion.



**SAVE  
DEFENSE  
ENERGY**

## WELCOME BACK RON



SSG Ron Gallien is one of the new acquisitions of the Carto/Comp Division...or should we say old acquisition? Ron departed DMS last year for greener pastures, to serve a short tour with the 8th Army Training Center in Korea. He has returned to us with his wife, Patricia, and three wonderful daughters, to be part of the DMS community once more.

Welcome back to DMS, Ron. We are happy to have people of your caliber rejoin us.

## SENIOR'S TENNIS TITLE MATCH A DMS AFFAIR

by LTC Radu

DMSers LTC Gerald Anderson and SFC Mike Springer battled for the Ft. Belvoir Seniors (over 45) Tennis Championship. It was a long grueling struggle which left the contestants limp from the midday heat and the pace of the match. It was the deceptive foot speed of LTC Anderson, coupled with a masters touch at drop shots, with infuriating accuracy, which gave Gerry the victory in straight sets of 7-5, 6-4.

The match was interesting to watch with both players content to match base line shots until the inevitable unforced errors. SFC Springer had shared the Senior Doubles Championship with LTC Anderson a week earlier. The match, as is evident in score, was hard fought with the winner in question throughout.

## IN THE DUGOUT

by Jim Harnden

To the delight of a large, chilly, rain and wind-swept DMS crowd, our Super J's improved their winning record with a 13-3 victory over the EOAC "B" team. The field was worse than Seattle Slew had to contend with as the rain and mud made the running and fielding most difficult. Despite the conditions, the defense was excellent behind Bill Locke's steady pitching. Nor did the weather seem to affect our batters as they pounded out 18 hits including homeruns by Batt, Baybrook and Folgate.

The end of the 2nd inning found our opponents ahead 2-0 and the DMS bats had delivered only one base hit. Coach Radu must have provided the proper words of wisdom before the bottom of the 3rd, however, as 10 of our batters took their turn to produce 6 runs and 7 hits including Folgate's 3 run blast. Baybrook's triple didn't hurt the cause either, as he drove in Baird, who had singled and Conley, who had doubled (his 2nd hit).

After giving up what was to be EOAC's final run in the top of the 4th, DMS put the game out of reach when they collected 4 more runs on 6 hits. Baybrook started the inning with a two-base hit and was driven in by Batt's triple. Singles by McNair, McClatchy, Austin and Boomer completed the scoring.

With the score 10-3, as we came to bat in the bottom of the 5th, the cry was — "let's get 3 and go home". Reference was being made to the 10 run rule and, with the weather and field conditions as they were, it seemed to be a good plan. The cold fans added encouragement to the idea. In answer to their pleas, Baybrook blasted a home run followed by Shane's single and a 2-run homer by Batt.

The fine offensive effort was almost overshadowed by a single defensive play which the fans will long remember and which seemed to break the spirit of our opponents. The sparkling play was by 2nd baseman Tom Austin who, diving to his right, snared a line drive and, after a three point landing, tagged second base, doubling up the unbelieving runner who had started for third. This super play snuffed out a possible rally and seemed to be 'the' turning point of the game. 6/16. The same battery of Maxwell-Conley, which had been victorious a month ago, led the team onto the field for their second meeting with

the scrappy Medical Company team. After yielding an unearned run in the top of the 1st inning, our Super J's showed the fans that the five day layoff had not dulled their batting skills. Before the inning was over, nine runs had crossed the plate resulting from seven hits, including doubles by Sigmon, Keller and Conley. Two errors in the 2nd helped our opponents score 3 runs but we scored one, without a base hit, as Keller drove in Sigmon with a sacrifice fly. After giving up one run in the 3rd, Tom Austin took advantage of the center fielder's error and raced around the bases to score behind Conley for our final two runs. DMS wins 12-5 right? Wrong! During the 4th inning the umpire detected what he considered as "unkind" remarks and when the ejection of one of the MEDDAC players left them with less than the required number to continue, the result was a forfeit. DMS wins 7-0 to hike their division leading record to 7 wins, 1 loss. Unfortunately, the 12 runs, 8 hits and 7 RBI's must be stricken from the record.

In a world  
looking for  
answers  
maybe God  
is the place to  
start.

God is hope.  
God is now.

## WILBUR'S RABBIT IS REAL!

The May 20, 1977 edition of the Contour left some doubts as to whether Wilbur's rabbit is real. GAD is always willing to accept a challenge! Few people ever realized we could prove able to achieve such a goal in such short order.

While the families of Wheeler Hall got the tax exemption production line rolling, it was obvious they couldn't keep up the pace so when they lost momentum, the Anderson family accepted delivery of their deduction. Mr. and Mrs. Dale Anderson welcomed 6 lb. 4 oz. Alicia Sue to their family joining 2½ year old Beth on 9 May.

# FROM SENIOR TO MASTER INSTRUCTOR



Two more instructors moved up from "Senior Instructor" to attain "Master Instructor" status on 23 May 1977. SFC Moore and SFC Shannonhouse both came aboard the DMS teaching staff in GAD in November 1972. Both have fully earned the right to be classed as Master Instructors by their varied efforts and instructional assignments in the Reproduction Equipment Repair Division.

SFC Moore was a mainstay for years as an instructor in the Lithographic Copy Camera block of instruction and is now concentrating

his efforts in the duplicator repair and maintenance area.

SFC Shannonhouse has instructed in four areas; ATF-DP Offset Press, Harris LXG Offset Press, Duplicator and Bindery Equipment. His expertise in press repair and troubleshooting has been applied here and with much success in MTT support to U. S. Army Reserve and National Guard units. SFC Shannonhouse was selected as DMS Instructor of the Quarter in the 4th quarter of FY 76 and he continues to contribute with the same high standards that prompted the award in 1976.

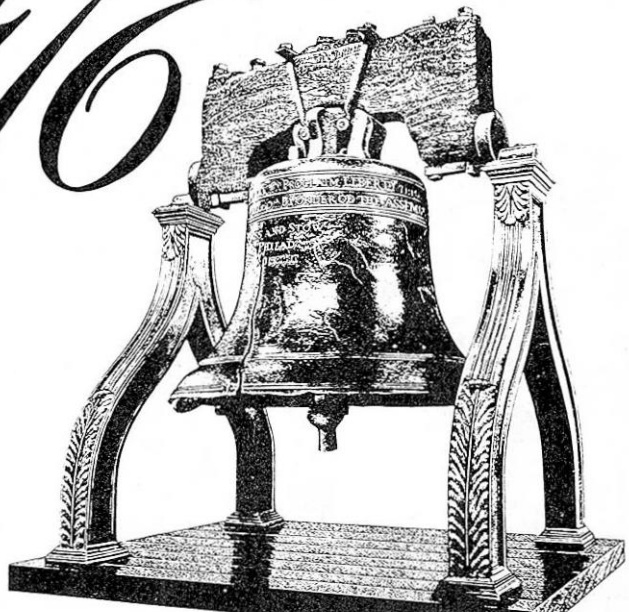
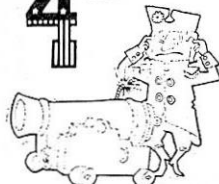
Both instructors have participated fully in the cross-training program of the Reproduction Equipment Repair Division. They are qualified to teach in six blocks of instruction, which cover most of the equipment utilized across the board in the Photolithographic processes, the RERD contribution to the military upward mobility program. Of the thirteen instructor personnel assigned to the division, nine are Master Instructors, three are Senior Instructors and one newly assigned U. S. Navy man is being groomed for attendance at ITC.

*201 years later,  
Americans continue  
to celebrate a  
freedom that  
began in . . .*

# 1776

**JULY**

**4<sup>th</sup>**



TO ALL EMPLOYEES:

1 July 1977

Five years ago the Department of Defense formed the Defense Mapping Agency out of the mapping, charting, and geodesy functions of the Armed Services, giving that Agency the responsibility and privilege of becoming a new organization to provide a vital function for our military forces and the Merchant Marine.

Today, DMA is recognized worldwide as a leader in the MC&G community. Every strategic weapon unit, every military aircraft, every ship that goes to sea, every ground force unit must have our products and services. We are indeed a vital part of every weapon system. Increasingly, our products and services have had to become more useful and more sophisticated to meet the growing needs of the military. We have been able to do that thanks to the dedication and ingenuity of DMA people.

I am proud to serve as the second Director of DMA, building on the excellent foundation laid by Lieutenant General Howard W. Penney, USA (Ret.), and to be able to share with you the challenge and excitement of accomplishment.

As we "turn the corner" into our second five years we see new challenges that will demand the best of us. I am confident that the DMA people who have so ably acquitted themselves over the first five years will continue to be the loyal, industrious, innovative producers that I have come to know and admire.

Sincerely,

*S. D. Cramer, Jr.*  
S. D. CRAMER, JR.  
Vice Admiral, USN  
Director

1972

1977

# Fifth Anniversary



DEFENSE MAPPING AGENCY  
WASHINGTON, D.C. 20301

GENERAL ORDER  
NUMBER 3

30 June 1972

### DEFENSE MAPPING AGENCY ORGANIZATION

1. In accordance with DoD Directive 5105.40, the following organizations are established as components of the Defense Mapping Agency effective 1 July 1972. The attached enclosure depicts the DMA organization.

#### Organization

##### Present Designation

Department of Topography  
U. S. Army Engineer School  
Fort Belvoir, Virginia

##### DMA Designation

Defense Mapping School  
Fort Belvoir, Virginia

#### 2. Directors

The following personnel are appointed Directors:

DMA Aerospace Center	Colonel B. L. Schatzley (USAF)
DMA Topographic Center	Colonel E. G. Anderson, Jr. (USA)
DMA Hydrographic Center	Captain J. M. Davies (USN)
Defense Mapping School	Colonel M. K. Kurtz, Jr. (USA)
Inter American Geodetic Survey, DMA	Colonel H. G. Ruthe (USA)

3. DMA General Order No. 3 of 16 June 1972 is rescinded by this General Order.

1 Enclosure a/s

*Howard W. Penney*  
HOWARD W. PENNEY  
Lieutenant General, USA  
Director







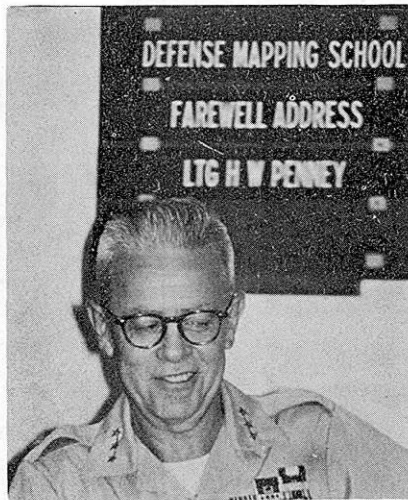
2nd Anniversary



BG John S. Egbert Visits



MG H. L. Jacobson Visits



Farewell Address



New DMA Director Named



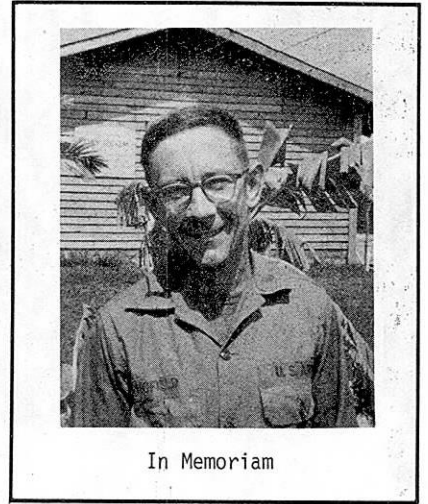
DMS Cheerleader



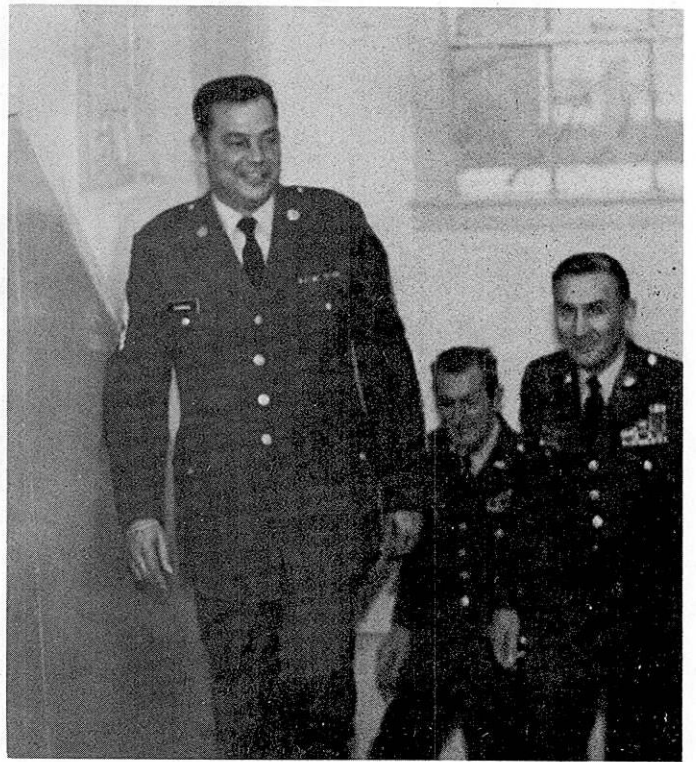
1st SOC Graduates



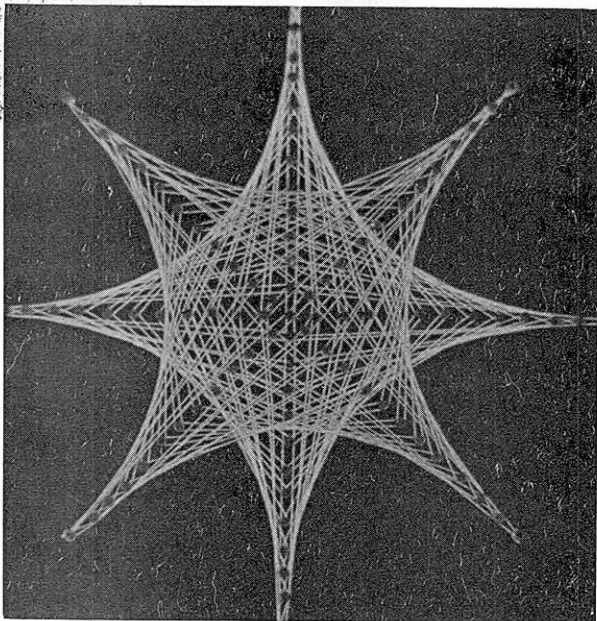
Remote Sensing



In Memoriam



SMA Visits



Under Secretary of the Army Visits

**COURSE  
411-207 IS BORN  
"DR  
SPRINSKY  
I PRESUME"**

**DEPARTMENT  
OF LABOR  
VISITS DMS**

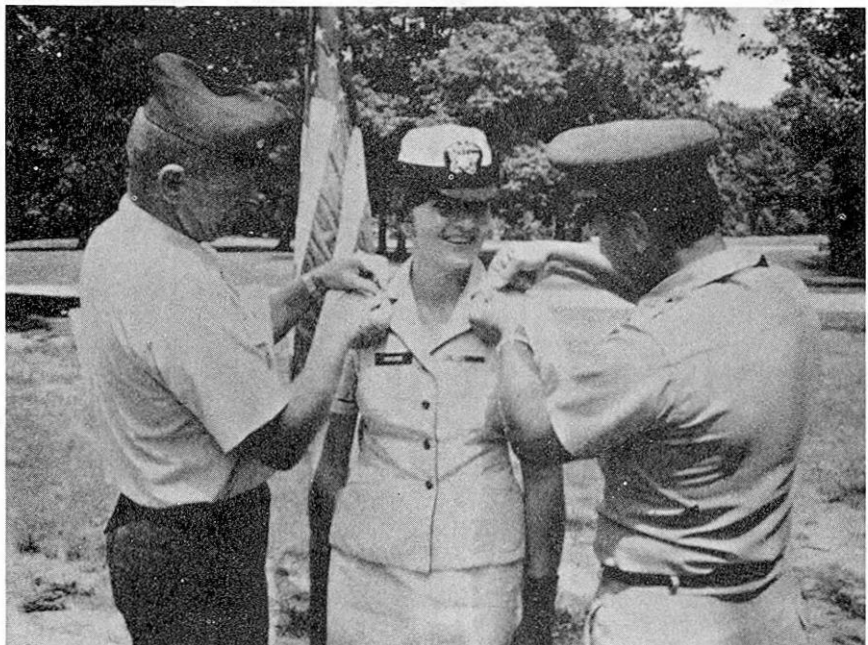
**MARINES  
OBSERVE  
200th MARK**

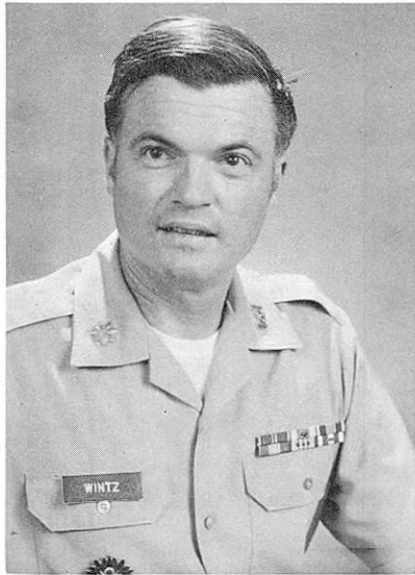
**COL  
KURTZ  
MOVES  
TO USAETL**

**DMS  
HOSTS  
TD'S**

**BG STADHOFER,  
FRG, VISITS**

**DMS RECEIVES ACCREDITATION**





New Director for DMS

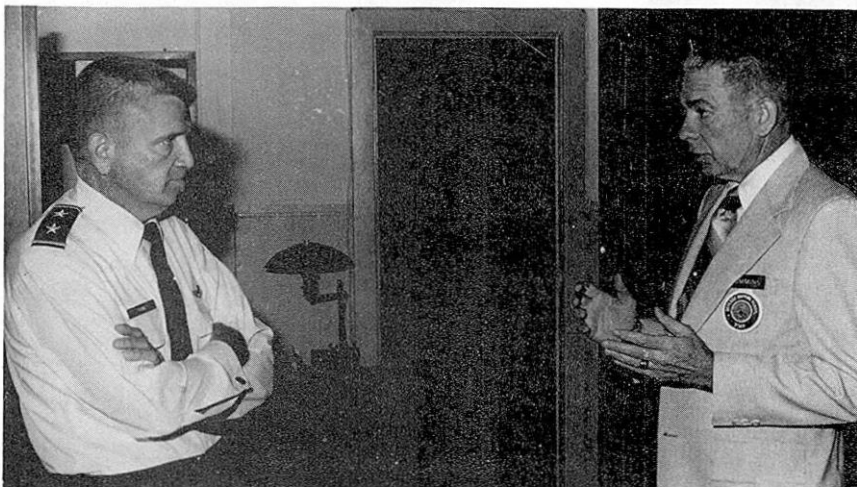
Chief, FPO is proud to announce the birth of a

Sergeant Major

Name: William L. McCray  
 Date of Rank: 1 October 75  
 Weight: 70.45 kg  
 Length: 176.53 cm



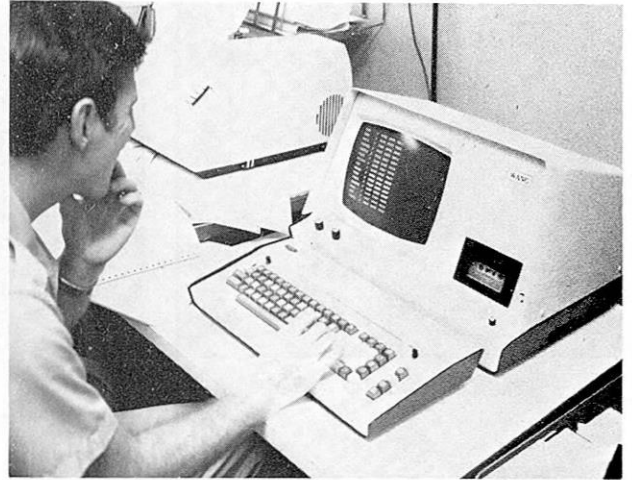
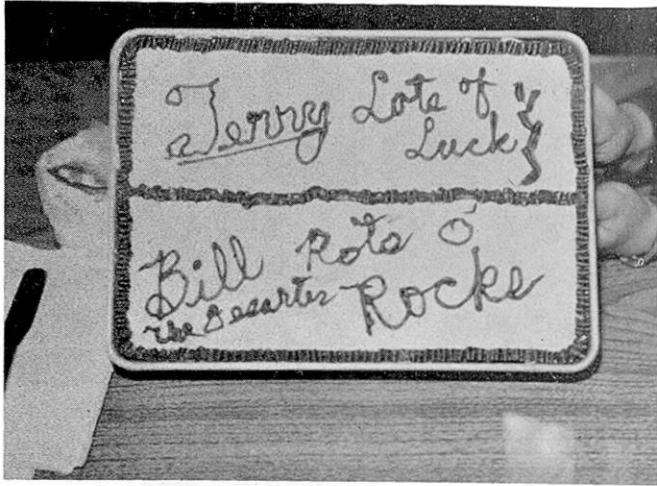
New Director Visits DMS



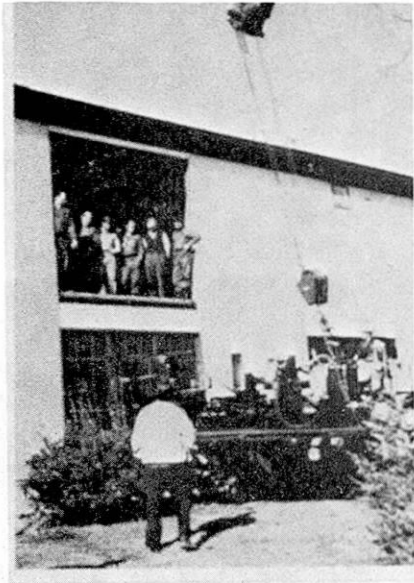
MG Young Visits



Wedding Bells



New Computer Arrives



Last Visit



DMS Director Promoted



BG Horst Kinder Visits



DMS Dollies



BG Bachus is Guest Speaker



The Candle Stick Maker



Farewell Roast



LTG Sadeghian Visits DMS



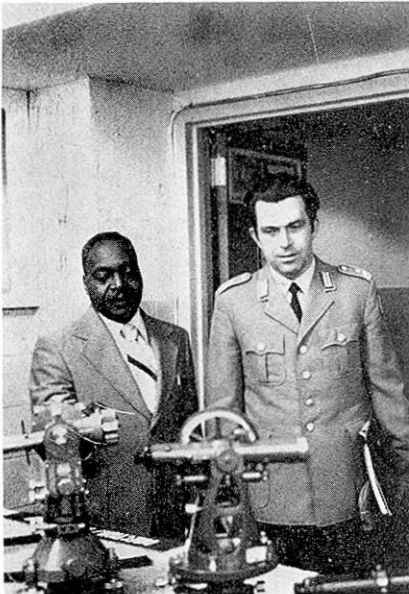
CPT Luskin Visits DMS



Blood Donors



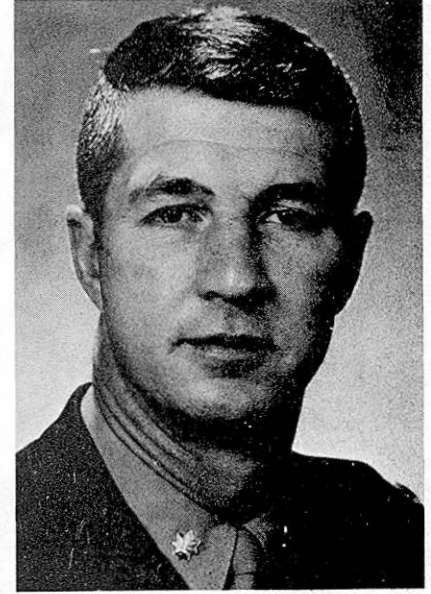
DMA Award Winner



Bundeswehr Visits DMS



COL Cordova is Guest Speaker



New Deputy Director



BG Albro, Ch, PRT DMA Visits

*Chief, PPO is proud to announce the birth of a*



*Name: Charles William Focke II*

*Weight: 150 lbs.*

*Date of Rank: 1 June 1976*

*Length: 6 ft.*

*Hair: \_\_\_\_\_*

*Eyes: Blue*

**BOX SCORE:**

	1st Game	2nd Game	3rd Game	TOTAL
NCOs	816	947	822	2585
Officers	853	886	849	2588

**NCOs**

Braswell	143	- 190	- 147	= 480
Cain	148	- 205	- 146	= 499
Cruz	159	- 172	- 181	= 512
Cook	193	- 223	- 177	= 593
Roberts	173	- 157	- 171	= 501

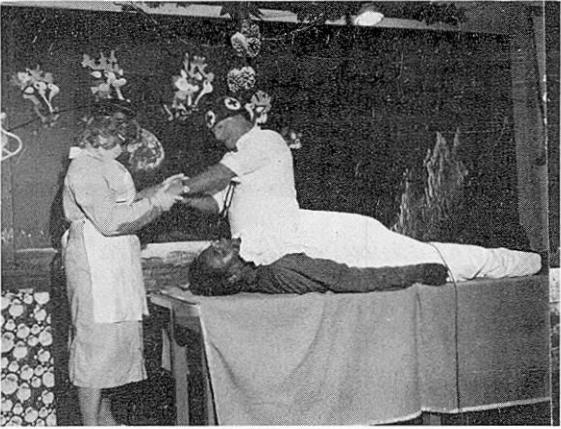
**OFFICERS**

Marcy	168	- 179	- 211	= 558
Hey	187	- 166	- 147	= 500
Broussard	136	- 202	- 153	= 491
Rottman	192	- 152	- 170	= 514
Harnden	170	- 187	- 168	= 525

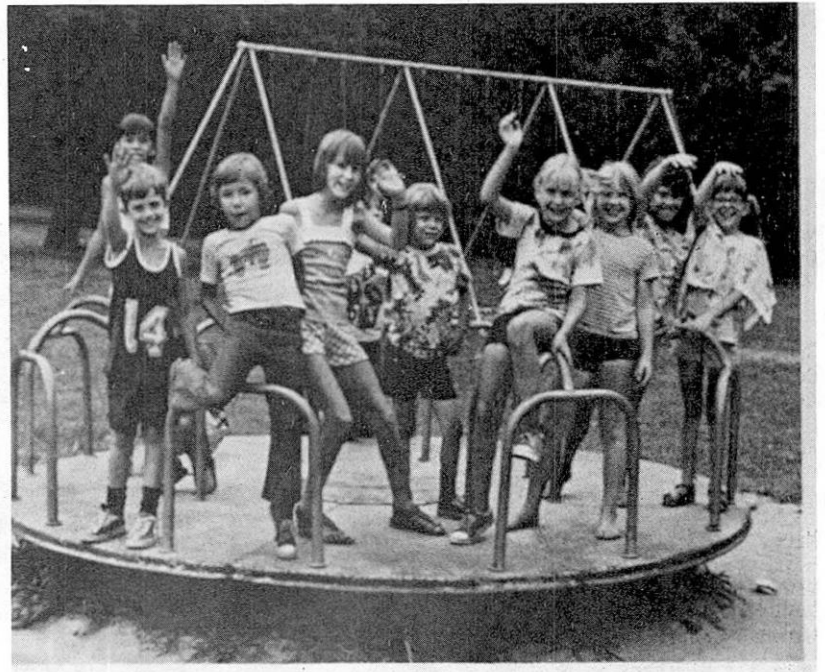
1st Officers — NCO Match



LTG Camm, Dep CG TRADOC Visits



## party time ~ fun time





# CONTOUR

VOL 4 NO.14

DEFENSE MAPPING SCHOOL

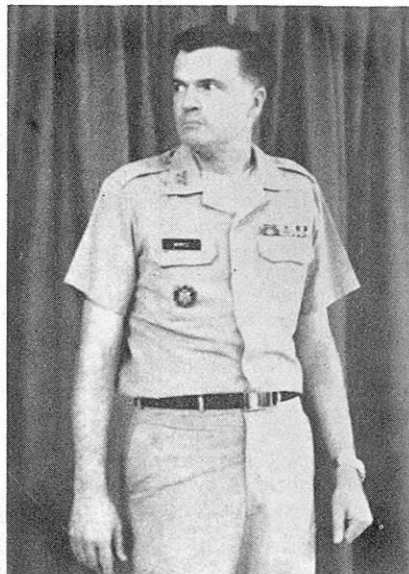
15 JULY, 1977

## Fifth Anniversary Celebration PEOPLE OF THE YEAR

"And the DMS Officer of the Year is Warrant Officer...". After COL Wintz had made such a point, during opening remarks, of saying he had screened all of the awards and (sigh) none were Warrant Officers, some suspected it was not to be so. CW3 John Maxwell, MSG George Brabetz and Ms Joyce Zieres are certainly no strangers to DMS.

Joyce has been here over 19 years in various positions and more than a few owe what sanity remains to her. Literally the right hand of more Division/Department Chiefs than anyone can remember (or she is willing to 'fess up to) Joyce holds a special place in the lives of all who know her.

While George hasn't been here 19 years, there probably have been times when he felt it were so. On his third tour with DMS, George began in what is now TSD in 1967.



And the DMS Officer of the Year is Warrant Officer...

With trips to Germany and Thailand in between, he has served primarily in PPO since then. George has literally done it all and is considered the DMS "corporate memory".

John Maxwell, for those of you who might remember, goes back to the days of DECCA (talk about corporate memory). Having received his appointment at DMS in 1967 (then D/Topo), John departed for tours in Kentucky, Viet Nam and Germany before returning once again in 1975 to the Department of Cartography. Max fills some big shoes in Carto, as well as the number one position with the Super J's.

While the People of the Year awards were certainly the highlight of the ceremonies, other achievements were recognized and are portrayed in picture format elsewhere in this issue.



Ms Zieres



MSG Brabetz



CW3 Maxwell (accepted by Maj Kinnan)



from the  
**DIRECTOR**

The week of 27 June was a particularly eventful one for DMS. The first three days were relatively quiet down here, but things really hopped on Thursday and Friday.

We began with the swearing in of Garrett Moore as another Army Warrant Officer recruited from the ranks of the Air Force. The air was thick with editorial comment about the skills, morality, and motivation of the Warrant as LTC Sprinsky performed the introduction and administered the oath. This was then followed by Gary's acceptance remarks, which were the most moving I've ever heard after a promotion. He acknowledged his devotion to wife, parents, old and new Service, and organization with a sincerity and directness that is all too rare, and with a choice of words that was masterful. Truly a fine experience.

We had our DMS birthday celebration late Thursday. SGM Harris' voice had been a constant rumble in the hallways for a week, and about all I could hear was "cake," "trophy," and "Joyce's dentist." Despite all this, things were almost hitchless, and my thanks to him, Gene Willis, and the other Behind-the-Scene operators. I have a vague recollection of a photographer, so coverage of the fine group of award recipients will likely be found elsewhere. Particular congratulations to Mrs. Joyce Zieres, MSG George Brabetz, and CW3 John Maxwell for their selection as DMS people of the year. This selfless group has been a real contributor to DMS over the past year, and it was a pleasure to recognize them. Chief John, I'm sorry you had to be out of town; my exhibition of Dramatic Art during the announcement of your rank was a thing to behold. Congratulations, one and all.

Friday afternoon began with the promotion of John Shane to Lieutenant Colonel. This was a lot of fun; Army LTC is such a neat rank and John is just an enjoyable guy to promote. Elaine (Mrs. Shane) was there, and his son Jack assisted me in the Marine tradition of affixing new rank. CPT Don Faxon was adjutant, and did not read the motto about buying War Bonds at the bottom of the orders or the paper watermark, as some of our adjutants do. Lookin' good, John!



by SGM Bill Locke

My plan was a feature on the Cafeteria for this issue but you know how it is when you've just returned from a two week vacation. You've got three weeks of work piled up, you're trying to transition back to a "normal" day, etc. Or it could be a problem of procrastination as my Editor hinted. Most likely his thought is closer to the truth than mine. Anyway, you have that feature to look forward to in another edition.

Not wanting to let Jim down, I began looking around for something of interest and stumbled across the following article which is reprinted here, from the June 15 issue of "Exchange & Commissary News", published monthly by Executive Business Media, Inc., 211 Broadway, Lynbrook, NY.

#### A CLOSER LOOK AT CREDIT FOR AAFES

Ten months after they commissioned it, the AAFES Board of Directors received a detailed presentation on Army and Air Force personnel attitudes toward credit in the exchanges.

The presentation — by Air Force Maj Robert L. Rhame, chief of the

(Continued on page 5)

The Defense Mapping School Contour is an authorized Newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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Director: COL Edward K. Wintz  
Editor: James Harnden

## MYSTERY PERSON



A second term at DMS (first time as student), his shoes are no longer brown. In fact, the Army's had only been black a short while before this photo. Toward the end of the trestle there's a clue, in fact, part of a signal too. A local lad, don't be fooled by the towhead, it isn't any longer (blond we mean). From 5 to 6 is only an hour but can seem much longer. If you're sharp, 4FGUY ought to help you.



#### ANSWER TO 1 JULY MYSTERY PERSON

This pert (PRT) fellow did, in fact, end up in a higher (flying) vocation. Not only did he chop wood in Michigan, but has chopped all over the world — Alaska, Iran, Georgia, Viet Nam — in just about everything from a tiny Bell to a giant Chinook. It was Athens, Ohio, of course, where he graduated from Ohio University in 1953. Coach of the Super J's, he has been heard to say on occasion, "Fair? That #@!X\$ ball was foul by at least 6cm." The clue "this isn't fair" however, really referred to the fact that as coach, he isn't on the field, but in the coaches box, which "isn't fair" but in foul territory. More often known as John, LTC Radu's first name is Cornelius and he'll fly most anything — even into a rage when the Super J's start dragging their feet.

## Colonel Shane Speaking.....



Every southern gentleman sooner or later is destined to become a "Colonel" of one kind or another... some even make it to president.

In a ceremony on the 1st of July, it was the turn of the southern gentleman from the Topographic Sciences Department, John R. Shane, (South Carolina) who's wider grin is second to none, accepted his long awaited and much deserved promotion to Lieutenant Colonel. Following the traditional reading of the orders by "Acting Adjutant for the Occasion" CPT Don Faxon, the new silver leaves were pinned on by COL Wintz and John's wife, Elaine. Needing little encouragement from the Director other than "you know, the Marines have a tradition...", son Jack heartily pounded on his

Dad's shoulder. Needing no encouragement from the Director, the new Colonel and wife took a moment to enact that strange ritual of pressing lips.

COL Wintz, in closing, remarked that Lieutenant Colonel had to be one of the two best ranks (Captain being the other). If for no other reason than the advantage it gave you on the phone when you could say, "This is Colonel Shane and I'd like ...". No one knows, of course, that you're a LTC and not a COL. There are, of course, other advantages also.

Congratulations Colonel Shane — again from those of us present at the ceremony, and anew from those who haven't yet had the opportunity to express it.



## From The Editor....

Almost daily, for the past three months, I have received either general or specific praise directed toward recent editions of the Contour. These compliments stem from the rank of Private to General. It is only human nature, I suppose, to accept such comments with a great deal of satisfaction knowing that your efforts were appreciated and did not go unnoticed.

In silent response to each commendation however, I could only say, "they did another great job." They, of course, referring to the many DMSers who turn the articles and associated photos into the praiseworthy publication that it is. It seems to be so easily forgotten that so many people combine their various talents to produce a unit newspaper of which we can all be proud.

As my reign as temporary Editor comes to an end, I wish to offer my sincere thanks (without names, lest I forget even one) to all who have carried me through this new experience. You have done a super job in true DMS fashion and I know you will continue your high standards for our new Editor, Ms. Evelyn Manov, who joined us on 11 July. I'm sure that "Lynn" will solicit your assistance, especially from those who submit the stories and without whom there would be no paper. Again, my thanks to all.

## GOOD MAN LOST TO WOPA ON 30 JUNE 1977

by LTC Sprinsky



A blue suiter sergeant from Survey  
Both Astro and bad jokes did purvey  
What a blunder to make  
A three sigma mistake  
He converted to Warrant on Thursday

As a Tech Sgt, Moore, a fine fellow  
Instructed in manner most mellow  
Now a Warrant, he mumbles  
With hand levels, he fumbles  
And says "Goodbye" instead of "hello"

We mourn for this conscientious copier  
He'll suffer much worse than a dooper  
But, he'll be very deft  
Turning right into left  
Like the rest of the rabble from WOPA.



# GAD WELCOMES 3 NEW INSTRUCTORS

Within a forty-two day period the Offset Press Division welcomed three new Instructors. One of the new instructors is a first for the Graphic Arts Department. He is Air Force TSgt Richard Cantey who is the first member of his service to join us in our five year history. Soon to be promoted, TSgt Cantey started his Air Force career in Oct 1960 with previous duty at Langley, VA, Nebraska, California, Japan and Hawaii. TSgt Cantey lives in Alexandria with his wife, Peggy, and the future little Cantey who is due about 24 Dec. What a fine Christmas present.

Another addition to the staff is Petty Officer Larry Johnson. PO Johnson started his Navy career in May 1973 and is actually returning to the halls of DMS as he is a former Distinguished Graduate of the Repro Equipment Repair Course (41K). His duty assignments have been aboard the USS Midway CV41 and the USS Franklin Roosevelt CV42. PO Johnson lives in Alexandria with his wife, Susan.

The last new member is Freddie Greear. Like PO Johnson, Freddie also graduated from the 41K course in 1965. He also served three years here at DMS as a Navy in-

structor. While assigned here, Freddie received his Master Instructor Certificate and diplomas from all the courses in the Graphic Arts Department. Now Freddie has returned to DMS as a civilian, but his famous saying has remained intact — "I'm good at Destruction but not at Construction". So if you see Freddie with a hammer in his hand, look out. Freddie lives in Fredericksburg, VA with his wife, Ann, and his two sons, Dwight and Patrick.

DMS extends a warm welcome to you and your families.



# DMS SEEKS VOLUNTEERS FOR JULY SURVEY

by Lt Dudley Leath

Are you a red blooded American? Twice a month the Red Cross conducts a medically supervised survey in order to determine if species: Homo Sapiens, sub-species: Americanus Hemoglobina should be entered on the endangered species list.

The Red Cross seeks to provide medical benefits (in the form of blood supplies) to units at Fort Belvoir that are known to sustain an environment sufficient to support a steady state population of the rare sub-species. According to a highly sophisticated environmental model of the DMS environment, the Red Cross has established our population limit minimum at 55 Homo Sapiens, Americanus Hemoglobina. The Red Cross survey is conducted on an annual basis, thus by December 31, 1977, DMS must have proven the existence of at least 55 red blooded Americans (common name) lest it be deemed unfit to receive future medical benefits.

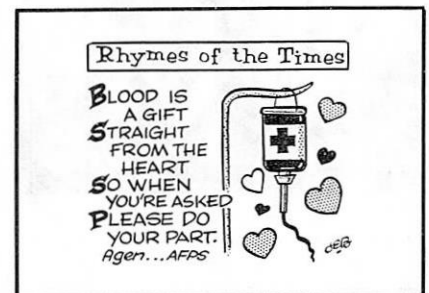
To date, only 19 of the rare

Homo's have come forward to show their true color. One does not need to be a physiologist to determine that we must entice a total of at least 36 members of that special species to participate in Red Cross bimonthly surveys conducted from now through December.

Normally a shy and retiring animal, Homo Sapiens, Americanus Hemoglobina is strangely visible and very vocal during the early part of July. This behavioral change is apparently triggered by an internal biological clock coupled to very esoteric principles of motherhood, country and apple pie. During most of the year, sub-species Americanus Hemoglobina is virtually undistinguishable from other members of the common species, Homo Sapiens. Noted observers have reported, however, that under close scrutiny Americanus Hemoglobina can always be counted on to accept any important point in the same vein in which it is given (this character trait is used by the Red Cross to aid in sub-species identification).

Environmentalists at DMS, concerned with preserving this rare breed, are steadfastly supporting the Red Cross program. The chairman of the local Red Cross survey drive was recently quoted as stating "we are in desperate need of a strong turnout in the July survey to give the program a shot in the arm".

*Editors Note: Come on gang! If you haven't given by the time you read this (7 July), mark the 21st on your calendar. The doughnuts are fresh, the juice is cold and it's all free. See you there.*



## PX NOTES

(Continued from page 2)

AF Military Survey Branch — was given March 31, 1977.

One key point brought out was that two-thirds of the 15,000 respondents favor credit, with enlisted more favorable than officers.

The joint Army/Air Force Survey Branches project that credit would boost AAFES sales by over \$200 million per year, and reduce layaways.

Service personnel have mixed feelings about how credit would affect their financial situation: half perceive no effect, while 32% (primarily grades E1 - E6) say it would help.

The survey also revealed that those personnel who report financial difficulties indicated the most favorable impact of credit.

Distributed in November 1976, to 12,000 Army and 11,000 Air Force personnel, the survey's response rate was 65%, or 15,000.

While 57% of the officers favor credit, 70% of enlisted personnel want it.

Only 11% of the respondents were found to not want a credit system—23% of officers and 9% of enlisted.

Of those not in favor of credit, the primary concern was a feeling

that prices would increase to cover credit costs; and personnel would be encouraged to abuse available credit.

The survey also found that personnel who do use credit were most favorable toward exchange credit, as were those who did not have other stores readily available to them.

One surprising highlight of the survey was that a lower percentage of enlisted felt that exchange prices are currently lower than other stores than officers.

Over half of all the personnel surveyed use credit in other stores — with more officers and senior NCO's having credit than junior enlisted. However, among those that do have credit, the amount charged per month is distributed equally by grade.

Over half (56%) of those who have outside credit pay their bills before finance charges are assessed. Only 11% do not pay their bills on time.

Seven out of ten of the surveyed personnel said they have not borrowed money for use in their exchange. Of those who have, the primary source was established financial institutions such as credit unions, bank, and finance companies.

If credit were available in exchanges, those who would use it vary greatly in the amount they say

they would charge, although over 80% say they would use it for less than half of their purchases.

Projections from the survey data indicate that credit would increase exchange sales from \$204 million to over \$360 million annually from active duty personnel purchases.

Two-thirds of the personnel indicated that they have no unusual difficulties in making ends meet, with the greatest difficulty found in grades E1 - E6. Only 5% of the personnel surveyed indicated that they had borrowed money from loan sharks — with little borrowed for exchange purchases.

About half of the respondents feel that credit would not affect their financial situation; another third feel it would — mostly in the enlisted grades.

Almost two-thirds indicated that credit would either be very valuable or somewhat valuable to them, with 45% saying it would save them money.

**DID YOU KNOW?** A DoD one-year returnable bottle test, requiring a 5¢ deposit on all beverage containers sold on federal facilities, began March 14 at Fort Knox.

The AAFES Electronic Repair Shop had its grand opening a few weeks ago. Why not take that busted stereo on by, now that it's more convenient, and get it repaired.

## IN THE DUGOUT

According to the fans, the game of June 22 against Co A, 11th Engrs was the most exciting game thus far in the season. The team is happy to have afforded our loyal supporters some measure of reward, but the final score indicated that our Super J's had suffered their third defeat of the season. It was a game with special incentive for both teams as they were tied for the division lead. Things started well in the 1st inning as doubles by Carpenter, Baybrook and Austin and singles by Batt and Shane produced four runs. An unearned run by our opponents was all they could manage for three innings off of pitcher Maxwell while we added one in the 2nd. However, by the end of the 6th inning, Co A had blasted 11 more hits for 9 additional runs and helped, to some extent, by two DMS errors. John Shane was injured during this inning chasing a long fly ball. Meanwhile, 2 singles and three errors had given the home team 3 runs in the 5th, so the J's found themselves on the short end of a 10-8 score going into the last

inning. Matters became worse in the top of the 7th when four hits, an error and a foul ball, called fair by the umpire, gave Co A a 13-8 lead as we came to bat. With the incessant chanting of "we want a hit" by our fans (and an extra rub on the purple can) our team responded with their most inspired comeback of the year. Cam McNair, with great hustle, stretched his opening single into three bases as the center fielder bobbled the ball. The umpire said "strike three" to Baird on a bad call and when Maxwell hit a sacrifice fly to score McNair, there were two outs, bases empty and still four runs behind. We couldn't expect Carpenter to get his fourth hit of the game — but he did. And Folgate already had two singles — but this time he cracked a double to score Carpenter and now we are three behind. Thompson follows with a double scoring Folgate and now we are two runs down. The scene was set as the 'Babe' (Baybrook) came to the plate. He didn't tip his hat or point to a spot in the outfield, but after taking one pitch he drove the next one over the left field fence. The fans and team went wild

and it was a new ball game. In the extra inning, however, A Co pushed across 3 runs and our great comeback, unfortunately, would have to be remembered in a 16-13 loss.

Meeting HHC 30th in the second round (27 June) produced another thriller for the fans. It looked like it was an easy victory for three and a half innings, as the score at that time was 9 to 3. However, five hits, two of which were for extra bases, and two errors later, that always dangerous, hard hitting and aggressive baserunning 30th had tied the score. The fifth inning yielded no runs for either side and the fans were getting edgy (not to mention the coach). Even after Tom Folgate hit a double in the 6th and was driven in by Ralph Conley's single, it was still touch and go.

As the team came off the field to begin the 7th and final inning, they noticed the nervous tension of substitute Coach Shane, evidenced by the nearly knee-high pile of cigarette butts all but burying his shoes and decided to 'get with it'. Locke led off with a single followed, in rather quick succession,

(Continued on page 6)

# IN THE DUGOUT

(Continued from page 5)

with doubles by Boo Austin, Grant Carpenter and Tom Baybrook and a long sacrifice by Tom Folgate. It was enough for 4 more runs and it was all but iced. The only 30th runner in the bottom of the 7th was really a walker as Boomer put Duke Anthony on first with four straight balls. The remaining three batters all flied to Tom Folgate. Although everyone contributed to the win, we've got to give 6 golden glove votes to Folgate. Seven innings of ball saw him: make 11 of 21 put-outs, go 3 for 4 at the bat, including a double and home run, score 3 of the 14 runs and have 4 RBI's. Needless to say, a good time was had by all, except maybe for our Topo friends across post.

In order to finish up 2d round play in time to start the 3d round (logical, right?), the Super J's were scheduled to play a double header on 29 June (that's two games in the same evening for those of you in doubt, and the way it turned

out it would have been better if it meant two Don's Johns). The first game (twilight end of the pair) saw DMS going against EOAC "B", a make-up from 9 May. While it was a good game, the J's lost 6-4. All the scoring came in the 4th and 5th innings with DMS drawing first blood with 3 in the top of the 4th. The EOAC ten came back in the bottom however, with consecutive singles (4) and a double to score 4. DMS added one in the 5th and EOAC two more to wrap it up. It was pretty much 3 up and 3 down after that as the J's took their third loss. Although we played a tight defensive game, which included the seasons first double play (Thompson—Austin—Baybrook), four runs just weren't enough.

Unfortunately, the "under the lights" end of the attraction also ended in defeat (and de-hands and elbows and...). Being beaten by 10 runs in the 1st round, Hq Co Hq Cmd sought and won revenge. Sporting some new players with big bats, they put a 14 to 8 hurt on the champs. The J's looked like their old selves when they jumped out to a 4-0 lead in the first inning and

added two more in the second after a scoreless first for Hq Cmd. It was the last scoreless inning for them however, as they garnered 3 in the 2d, 5 in the 3d and 2 each in the remaining 3 innings. A home run hit off a Boomer breaking pitch in the 3d was last seen still sailing over Pullen field in the 7th. (It may be seen each evening just after sundown if you gaze toward the southern horizon.) The Super J's managed to start a rally in the 6th by batting seven men, but only one scored leaving 3 stranded. Another run in the 7th just wasn't enough and we go into the 3d round 8 and 4. Although the J's had 13 hits, the nine errors and failure to get the clutch hit with runners in position resulted in the double loss.

Now that we're sufficiently aroused, we expect to finish the season 14 and 4. A hearty thank you to all the fans who cheer us through thick and thin. To those of you who haven't come out yet, you're missing it. Those "old men", as they're known around the league, play some pretty good ball.

Pro tip. A cup in time saves whine.

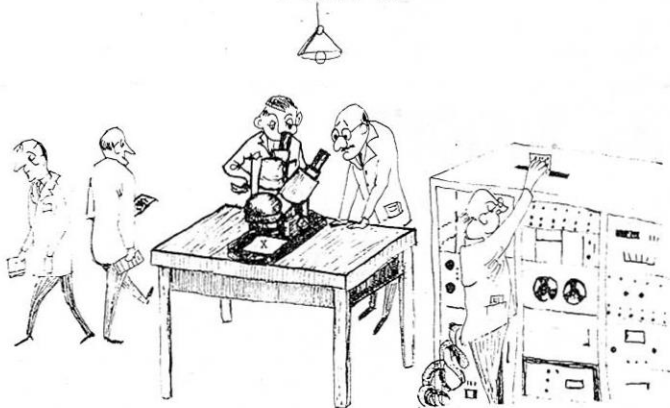
## SOFTBALL RESULTS AS OF 8 JULY

DMS VS.

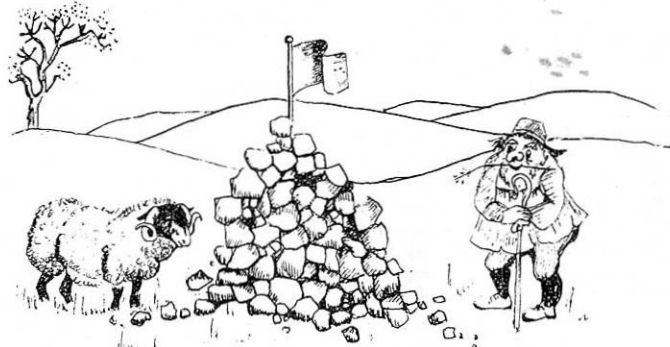
	W	L
EOAC B	2	1
EOAC A	2	0
Hq Co Hq Cmd	1	2
HHC 30th BN	2	0
Co A 11th BN	0	2
Medical Co	3	0



## POINT X



Officers of Survey Department checking survey of point X to see if it is 0.001 m off line



Point X which was found to be 0.001 m off line. (With acknowledgements to an unknown cartoonist in South Africa)



Not any bigger than the plate please



Incentive Awards and Performance Ratings



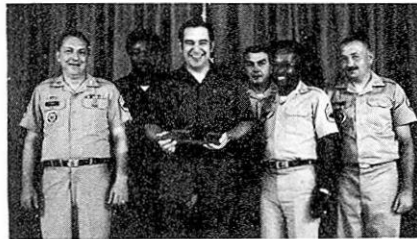
Bleeders all, at least a gallon



Sick leave awards



Federal Service Awards



Cinderfella and his 5 ugly step brothers



A good time was had by all

# Crossword

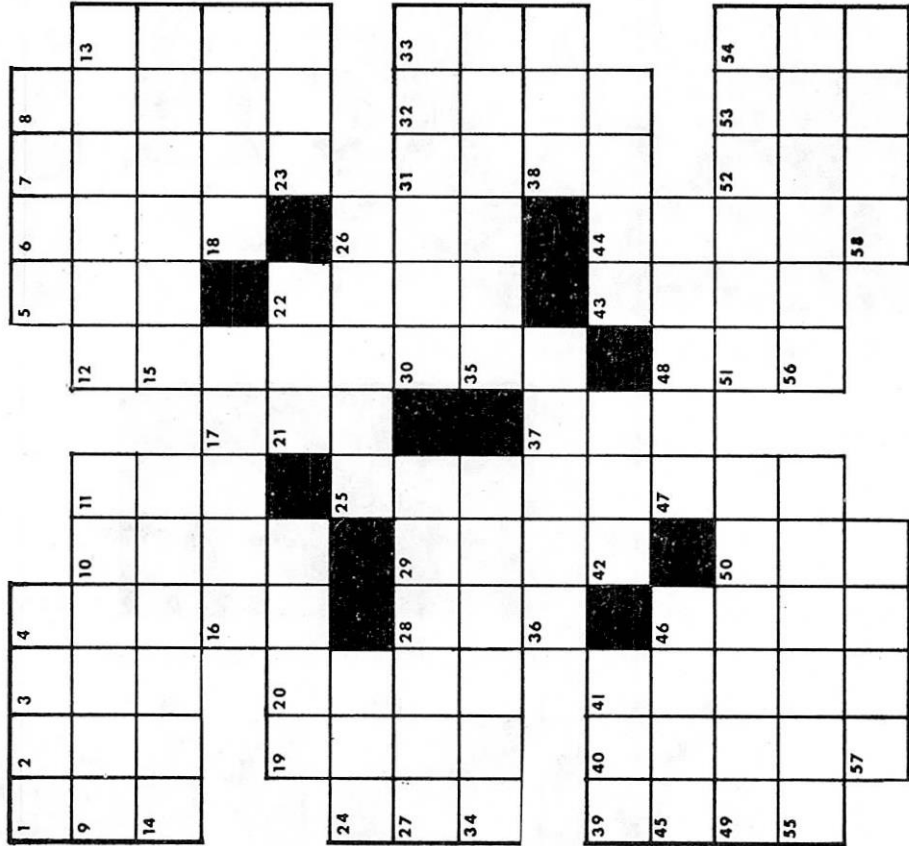


## ACROSS

- 1 Unexcused absence
- 9 Warehouse refusal
- 12 Marine mammal

- 5 Tour of \_\_\_\_\_
- 9 Warehouse refusal
- 12 Marine mammal

- 14 Ascetic
- 15 Decorative
- 16 Donor



- 18 Roman pin
  - 19 Adam's Son
  - 21 Schuss
  - 23 Curve
  - 34 Palm leaf
  - 25 Rich colors
  - 27 \_\_\_\_\_ with the Commander
  - 30 Spanish fruits
  - 34 Keep in same job
  - 35 Lofty
  - 36 General direction
  - 38 Pen
  - 39 Bishopric
  - 42 Proposed Constitutional Amendment
  - 43 God of war (Greek)
  - 45 Egyptian skink
  - 47 Dwell
  - 49 \_\_\_\_\_ Year
  - 51 Requisition
  - 55 Oleoresins
  - 56 Beast
  - 57 Primary school (abb.)
  - 58 Scarlett's home
- 6 Forearm bone
  - 7 Follow
  - 8 Peruvian birds
  - 10 Indigo plant
  - 11 100 Stotinki
  - 12 Units produced
  - 13 Soap-frame bar
  - 17 Within (comb. form)
  - 19 Medicinal herb
  - 20 Astern (Nat.)
  - 22 Not working
  - 24 New ADP equipment
  - 25 Commanding officers
  - 26 Title of respect
  - 28 Obese
  - 29 Ireland (Var.)
  - 31 Carpenter's tool
  - 32 Ingests
  - 33 Shrewd
  - 37 Catch
  - 39 Storage place
  - 40 Roman official
  - 41 Automobile flop
  - 43 Gulf by Indian Ocean
  - 44 Pay contractor
  - 46 Highest point
  - 48 Woman's Name
  - 50 Intention
  - 52 Candelnut tree
  - 53 Near (Scot)
  - 54 DoD org.
- DOWN
  - 1 Beverage
  - 2 Boy's nickname
  - 3 Field parts in cricket
  - 4 Loyal
  - 5 Patriotic org.



# CONTOUR

VOL 4 NO. 15

DEFENSE MAPPING SCHOOL

29 JULY 1977

## More Than You Ever Wanted to Know About ə krəd ĭ ta' shən

by Richard Christ

The excellence of DMS was recognized in December 1975 by the august body of the Southern Association of Colleges and Schools (SACS) following their visitation team's survey of our operation the preceding June. We are now approaching the second anniversary of that visit and perhaps an explanation of this "accreditation" might be wise, or useful, or maybe both.

As I noted, we've been "accredited" for going on two years now. In essence, accreditation is a comprehensive, self-imposed quality control program, overseen by the Southern Association of Colleges and Schools. To maintain that accreditation, SACS requires an annual report describing actions and changes that occurred in DMS during the preceding year. Upon receipt of this report, the executive committee of SACS determines whether any change has violated a standard of the association and might ultimately jeopardize our accreditation.

Why, you may ask, did we apply to SACS for accreditation? The answer is simple. DMS is an educational institution and, as such, we made application for membership to the educational association governing the geographical area in which we are located. If you are roughly "south of the Potomac and east of the Pecos," you join SACS.

Probably the most misunderstood aspect of the accreditation system is that it's the institution which is accredited, and not specifically the programs offered by the institution. This is why other academic institutions don't necessarily accept for transfer credit courses taken elsewhere, even if "elsewhere" was another accredited institution. Every school has its own policy on accepting transfer credits, but the mere fact that an applicant attended an accredited

institution carries a considerable amount of clout, and gives our graduate a bit of one-upmanship over that exerted by a graduate of an institution such as Brother Joshua's Mail Order School of Herpetology ("A Profession in 30 Days or Your Money Back"), which may not



be accredited by anyone other than Brother Joshua.

Before granting accreditation, the SACS visitation team divided DMS's operation into twelve areas like philosophy ("Think Purple" threw 'em for a while), staff, finances, student personnel services, community relations, education programs, etc. Each area was measured against the association's standards for that area. Once DMS met (or initiated programs to meet) (Continued on page 2.)

New Anthropological Discovery

## What Darwin Doesn't Know Won't Hurt Him

by Garry Moore

In the no-man's-land betwixt the pit where dwells the Student and the gilded cage of the Staff Person resides the special beast known as the Instructor. The Instructor may be found looking up with a mixture of envy and dreamy-eyed awe at its closest neighbors in the DMS zoo — the Senior Instructor, the Master Instructor, and that rare, endangered sub-species, the Chief Instructor. The only other creature lower than the Instructor is the New Arrival, who has not yet been housebroken at Charm School.

Though the Instructor occupies a low position, it has great zeal and ambition. Each night after wiping the chalk dust from its eyes, it dreams of ascending the Ladder, rung by rung, ultimately attaining heavenly bliss — Instructor of the Quarter. But each morning comes the rude awakening that it is merely an Instructor, entitled only to Faculty Development and Training.

What keeps the Instructor going onward, if not upward, is love of teaching. The Instructor comes to DMS with the naive belief that it will be loved, admired, and accorded quick advancement. Maybe even "DMS Person of the Year." But, alas, it soon learns that teaching is only a Minor Consideration compared to maximizing its NQ activities and figuring out its Form 13. And all it is given is an MTT.

When it arrives at DMS the Instructor is assigned a small hole or burrow, known as a Batcave, where it is expected to stay as long as possible. To remind the Instructor of its place, the Batcave is kept as dark, stuffy and cramped as possible. Here the Instructor zealously engages in Heavy Thinking to prepare for its lessons (Continued on page 8.)



COL Wintz is on leave, his column will resume when he returns.

## From the Editor

This is serious, folks. Those of you who don't want to waste your time on serious matters may skip this, while those who dislike levity are advised to read ONLY this column and trash the rest of the paper (except maybe the crossword puzzle). Now to business:

I have a number of hard acts to follow. Since its birth, the CONTOUR has been edited by some very committed people who've worked hard at putting together a publication that's informative, visually attractive, entertaining, and above all, readable. Carla, Ellen, Kathy, and Jim have done all this "in addition to their other duties" and I know we all appreciate their efforts. I especially thank Carla, Kathy, and Jim for their excellent guidance during my few days (so far) at DMS and for their assurances of further assistance.

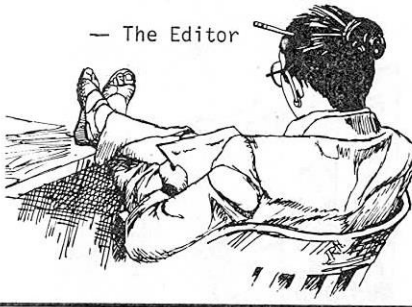
One of my bright ideas is to con-

coct a readership survey (something they told us about in school) to determine which areas of the CONTOUR, if any, need improving or changing. I'm also scheming about a new column or two which I hope will appear as soon as I sell them to the boss. And you may notice a few graphics changes in this issue which I think will add a certain "je ne sais quoi" to the paper: a different type face for picture captions; new treatment for "grip 'n' grins," and more cartoons by PRT's talented SFC Allgood.

I already feel very much at home here in Elf Hollow; I was also made very welcome on my nickel tour of Wheeler Hall. I do implore all of you to call, write (especially write!), or yell as I go by when you have anything newsworthy, entertaining, creative, offbeat or fun-to-look-at that you think other DMS'ers would enjoy sharing. No news is NOT good news, and I'd hate to have to fall back on "all the news that fits, we print."

I'll be looking forward to meeting all of you and hearing your comments on YOUR paper.

— The Editor



## ə krəd i tā' shən

(Continued from page 1.)

these standards, we were accepted for membership by the association.

That's about it for getting in. To stay in, however, we must annually reassure the powers that be that we are keeping up the good work. This reassurance takes the form of the annual report (which is a heckuva lot of work and which I am putting off by writing this instead). On top of that, as a member of SACS, we have a responsibil-

ity for establishing or revising the standards of the organization, and for evaluating other institutions seeking membership (which we accomplished by serving on visiting teams to four prospective member schools during the past year).

The awareness that standards must be maintained and the opportunity to see "how the other half lives" help keep the importance of quality education uppermost in the minds of member institutions, thus creating a perpetual quality control program. (And now, back to the 1977 Annual Report....)

The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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Director: COL Edward K. Wintz

Editor: Lynne Manov



## Impressions

by Reuben D. Cook

With one exception, every member of the staff and faculty has been at DMS longer than your new Technical Director. Each new arrival brings with him (or her) some preconception of what DMS is; with time, we each form new opinions or confirm some old ones. I would like to share some of the early impressions I have received.

DMS is the Department of Defense Institution for education and training of personnel in mapping, charting, surveying, geodesy and terrain analysis. It is a component of the Defense Mapping Agency — the smallest component in terms of personnel assigned. Those were facts I already knew. But beneath those facts, what is DMS? To a great extent, the names Defense Mapping Agency and Defense Mapping School are misleading. Our users tend to associate DMA with things printed on paper, things printed on film, or, increasingly, data on magnetic tape. Our names often lead users to overlook what is perhaps DMA's most versatile, certainly the most complex, product — people. Trained people is really what DMS is all about. That was my first and most immediate impression, that the DMS contribution to the DMA "product list" is too often overlooked.

In 1976, DMS graduated a total of 902 persons. These people went through one or more of 24 different courses which included basic surveying, cartography, map compilation, analytical photogrammetry, advanced geodesy, lithographic printing, terrain analysis, equipment repair and maintenance — the list goes on and on. One recent group which completed the Advanced Geodetic Surveying curriculum included students who came from places as near as North Fort Belvoir and as far away as Haiti; some of them returned to troop units, two were civilians (yes, we train them too) from the National Oceanographic and Atmospheric Administration (NOAA), and one graduate is now training foreign naval officers. This leads to my second impression: the truly tremendous variety of activities, the very broad scope of subject matter, and the non-uniformity of even our unformed raw material (students).

(Continued on page 5.)



by SGM Bill Locke

Several selections of sausage, creamed beef, corned beef hash, hash browns, hot biscuits, eggs with any or all of the preceding, plus 12oz of fresh orange juice (30¢) and 8 different kinds of donuts are just a small part of the menu items facing you if you decide to start your day with breakfast at your Exchange Cafeteria. The breakfast crowd is mostly civilians and officers, while the lunch bunch is "mixed" according to Luiz Albuquerque, Fort Belvoir Exchange Food Service Manager.

Luiz offers 24 years of experience in Food Service (all with AAFES) and it shows in his operation. We had a tough time getting together for our interview, but I understood after I found out he not only "looks after" the Main Cafeteria, but also has 5 snack bars and the mobile snack truck under his wing.

While the Cafeteria closes at 1600, at least three snack bars (North Post, Pizza Shop and Gunston Road) remain open til 2200. The snack bars don't have the elaborate menu of the Cafeteria, but can still stave off those snarling empty stomachs. Luiz says the busiest times are 0715 - 0745 and 1030 - 1230. I queried him about the early lunch rush and he explained it was primarily caused by folks working on flexitime. I also asked the obvious question of why the early closing, since I remembered a time when the hours were later. As with many food establishments, there comes a time when it's uneconomical to operate, when overhead, utilities and food costs, start to exceed sales. Faced with that very situation, the Cafeteria was forced to curtail operating hours.

You may (I hope) recall an article I wrote some issues ago on Manager's Specials in the Main Ex-

change. Well, there's one every day in the Cafeteria. Generally ranging between \$1.20 - \$1.75, the Manager's Special includes an entree and such things as roll, butter and a 25¢ drink and of course is of good nutritional value as well as a good buy. In the overall operation, the Area Exchange office sets down menu items as well as serving portions and prices, but Luiz handles procurement of food-stuffs. The pricing goal is to offer a menu which allows the customer a wide selection of items at about 20% below prices in the local geographical area. To attain this goal, regular surveys are taken so that AAFES food service facility prices can be compared and adjusted as necessary. Does that mean you can't find something cheaper outside the gate? No! The 20% goal is for standard, good nutritional value items (which the Cafeteria

serves) and doesn't include those quickie, mass-produced, cooked-hours-ahead, warmed-up, and flat-tasting - without-a-glob-of-mustard items which some folks call a "good buy." Besides, the Cafeteria is here (so you save travel), presents a more pleasant dining atmosphere and variety is tops.

One of the ways that variety can stay tops is through numerous inspections. The Post Veterinarian's office inspects, unannounced, at least once a month. In addition, the folks from the Region Exchange office visit twice a week (or more). Their visits are designed to assist in operations planning as well as to inspect the facilities. Of course when Region inspects, it's not just for sanitary conditions, but also for appearance, proper food preparation, etc.

I was curious as to the menu (Continued on page 7.)

## MYSTERY PERSON



No other photograph could be shown of this mystery person without revealing his identity. Even his baby pictures have beards. Nevertheless, if our mystery person isn't instructing at DMS he's instructing underwater diving lessons. Although he claims the two jobs do not conflict, on several occasions we have caught him blowing bubbles in developing sinks and he has threatened to cut off the air supply of rowdy students. In the event you've been unable to spot him in the photo, he's the first diver to the right of the second diver above the third diver who

is not shown in the photo. The lack of any more clues is intentional. That makes identification hard, which makes it more fun.

ANSWER to 15 JULY MYSTERY PERSON



The black shoe clue was to place our mystery man in an age group—youth. While that clue was rather broad, his name was hidden "toward the end of the trestle... part of a signal too". Hailing from Alexandria (at least for the last 15 years), the hair is no longer blond but dark brown. An E5 on the "6" list, that wait can sometimes seem awfully long. If you didn't (don't) know anyone named Sigal Estle, 4FGUY translates to a phone number. 43489 is the number of the Optical Survey Instrument Repair Division where you'll find "Buddy" Adkins most anyday — soon to be SSG Buddy Adkins we hope.

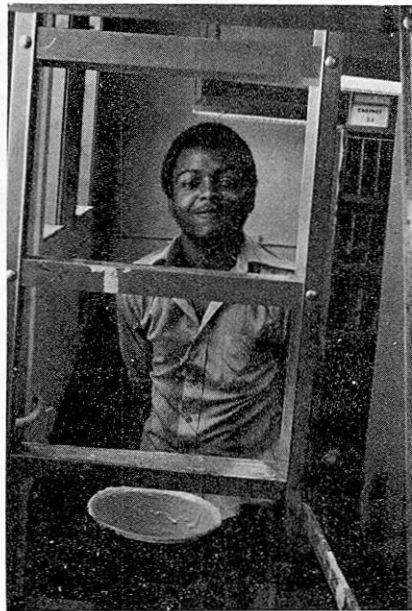
It could be YOU in the next issue. Why not secretly send us a picture with ID and we'll write up some clues and you can sit around and chuckle while your friends guess.

## Not Just Some More Pretty Faces



Kathy Vance is already well-known to most of us, having served time in DMS last summer in her capacity as clerk/typist in GAD. This stretch again is with GAD, which she describes as a really good staff to work with. Kathy, otherwise known as "The Hickey of the Week" (though the Bald Eaglet of Elf Hollow has promoted her to "Hickey of the Year"), will be embarking on her senior year at Mount Vernon HS as a Business major, a pursuit from which GAD has been unable to sway her, though she admits she has been tempted (by the cameras). What is it with cute young things and cameras? Kathy may be staying with DMS as a participant of COE (Cooperative Office Education) whereby she will attend classes in the a.m. and work in the p.m. After she is graduated, Kathy plans to be married and join Mrs. Burke's Federally employed women. Sorry, all you eligible young men, the prospective groom doesn't work here but you'll be flattered to hear that you're considered "good pickings." And for the uninitiated, Kathy can be seen every Friday running down the corridors of Bagley Hall, hotly pursued by SGM Locke. Nice to have you back, Kathy.

When asked what a warehouseman does, Johnny Pittman replied, "Anything Mr. Nonnemacher tells him to do." On the day the CONTOUR captured him for posterity, Mr. Nonnemacher told him to paint the window frames, and we snapped him in the act. (And what a lovely, custom-mixed shade of bilious green they

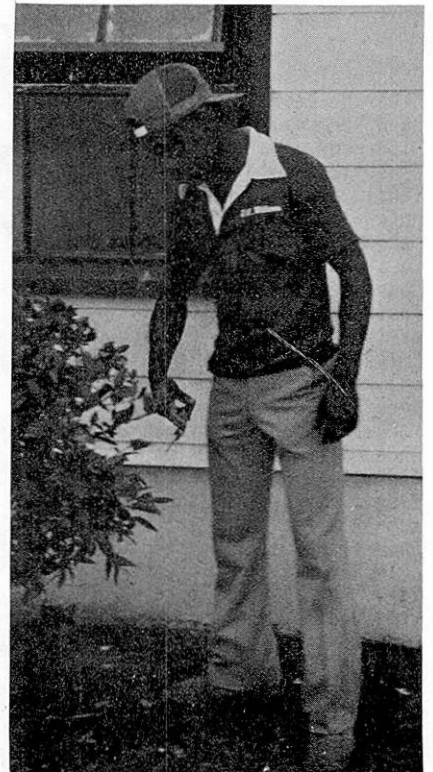


are, too.) When not under Mr. N's thumb, Johnny attends T.C. Williams HS full time, and lives in Alexandria with his family, which includes a little brother and two sisters. This is his first summer with DMS, but he says he'd like to come back next year if we'll have him. He even went so far as to venture that Mr. Nonnemacher is "a nice guy at times." We're always happy to see another smiling face, Johnny!



Anne Hamel normally abides in Gainesville at the University of Florida, where she is a rising junior, but it's our good fortune to

have her with us for the summer. Currently employed as a clerk/typist in Carto, Anne plans a career in international business (move over, Summa Corp!). Her spare time is spent swimming, playing tennis and running errands for her 2 sisters and one brother. Asked to comment on her impressions of DMS, she noted that (1) Carto is a hard working department where "looniness is not too prevalent" and (2) she is "too wrapped up in her work to notice" the "good pickings" around here. Anne may not have built a better mousetrap, but the world will probably beat a path to her door anyway. Glad to have you with us, Anne.



Tyrone Elem (pronounced Eeeelum) is easily distinguishable from the rest of the madding crowd by his sporty red baseball-type cap, usually worn backwards for increased effect. He comes to DMS for the summer from T.C. Williams HS, and finds maintenance work with us okay so far, but WARM. However, he still has the energy to shoot a few baskets or belt a few hits after work (isn't youth grand?). Tyrone has three brothers and four sisters — enough to wear most of us out all by itself! A man of few words, his efforts at keeping the DMS facade 'squared away' are much appreciated. It's good to have you around, Tyrone.

# In The Dugout

The third round got off to a pleasant start on the sixth, with the Super J's sliding past EOAC "B" team 6-2. Chuck Rottman pitched a superlative 4 hitter while the other 9 guys in purple (usually in yellow but abandoned for this game as our worthy opponents were also in yellow) turned in an errorless defensive evening. The defense was so tough that the EOAC guys only batted four extra men in seven full innings of play (takes at least 21, 3 per inning). Leaving 12 runners stranded during the game, the Super J's sent a lot of batters to the plate (39 to be exact) but could only score 6. While there were no super offensive plays on our part, the defense kept the fans cheering. Of Wayne Baird's five putouts, three were line drives that took monumental effort to reach, but reach he did - several times! — to the amazement of even himself. And we can't forget the belly flop Don

## GOTCHA



Faxon showed us as seemingly unable to get the ball out of his glove, he dove at second base, tagging it just in time to force out the runner. Good aggressive defense such as that was the rule rather than the exception and all but choked out EOAC scoring.

### PART II

Getting stuck again on 8 July with a double header, the Super J's ended up splitting the two decisions. In the twilight end of the pair, the sluggers put together 13 hits and 5 walks to score 16 big runs in 5 innings to win going away, 16-4. At the end of 5, the 10 run rule was invoked and it was all over. The Med Company struck for four quick runs in their half of the first, but after that, sparkling play by the Super J's behind a fine 7 hitter by Chuck Rottman closed out any further scoring. The Western Division (as well as the other 3 Divisions) certainly owes

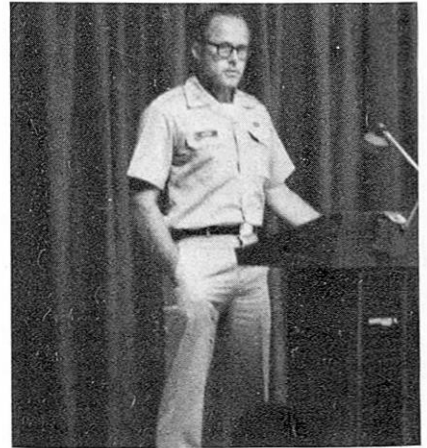
some special recognition to the Med Company team. These guys, and a gal, show for every game despite the fact they have yet to win one. It takes a special people to continue in a program such as this without winning in over 12 games. Med Company - the DMS Team salutes you!

In the second half of the double header (under lights, such as they are), the J's once again gave up a loss to Hq Co Hq Cmd. You might recall that the other loss to these guys was also the second half of a double header. Out-hitting DMS 16-6, the final tally was Hq Cmd 12, DMS 6. Although the J's pounced on the opposition for four quick runs in the first inning, the Hq Cmd were able to score in every inning except the first by combining timely hits with DMS errors. While one would like to offer excuses such as, "we were tired," "it was late and hot," "we should have played on Pullen where it was scheduled because we play better there," it all boils down to a "less than our average offensive effort." Well, let's hope we have no more double headers.

Shortly after the write up on the Hq Cmd game, DMS was granted a replay based on a protest filed and upheld. Since the basis for the protest is slightly involved, call Bill Locke if you'd like more details. It should be mentioned that although it involved an unintentional mistake on the part of our opposition, it shouldn't have been allowed. So the second loss to Hq Cmd, shown in the last issue, may not really be a loss. The race tightens fans so keep on hollerin'.

## SUPER J'S TAKE MARBLES

It was a "crunch" game on a sultry evening but the J's pulled it off. Against an always tough Hq Co Hq Cmd team on 21 July, DMS belted out 14 hits to score 13 runs. The defense tightened up after the wind and rain cooled things off in the 4th inning and closed the "tap" to hold Hq Cmd to a single run in the late innings, and a total score of 8. With luck, by the time you read this, we'll be resting for THE big game for the Post Championship on 1 August, after fighting our way through the winners bracket all week.



BG James Albro, Jr., Deputy Director for Plans and Requirements, DMA, addressed the Mapping, Charting and Geodesy Officers Course graduation on 19 July.

## Impressions

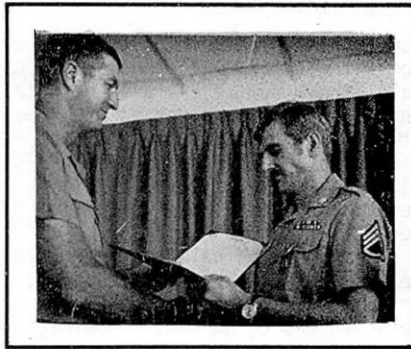
(Continued from page 2.)

Finally, anyone who is here for even a short time gets a clear impression of professionalism. Our instructors are pros. They, and the staff which supports them, go about this business of education in the quiet, organized, non-crisis approach which immediately gives a new observer the picture of a professional outfit. I have watched preparations being made for accommodating a new class of students when, up to the day before the group reported in, we had no idea of the exact size or makeup of the group; yet there was no crisis or "flap" atmosphere. When the group arrived, they were received and processed smoothly and already are at work learning their new skills. This is the kind of outfit any person can be happy, indeed proud, to be a part of. I know I am.

In two months we will receive our new computer. This is the first step in preparing ourselves and future students for that point in the near future when troop units will be processing digitized cartographic and topographic data. A short time back, such an idea — digital data processing in a field unit — was too "far out" to be taken seriously; but the Armed Forces have come to realize that such equipment can be fielded and, most important, personnel can be trained to use and maintain it. That last realization came about, in large measure, because of their confidence in DMS. Well-placed confidence.

# AWARD WINNERS

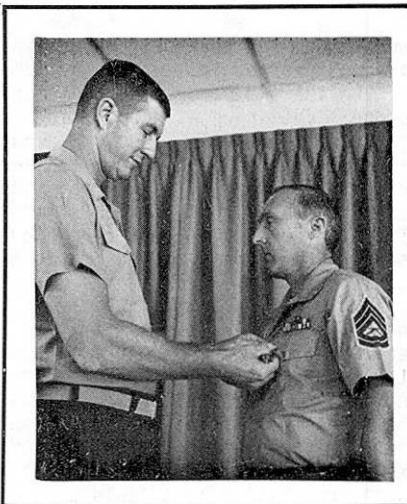
Three DMS'ers were given recognition for their outstanding efforts at an award ceremony held in the Bagley Hall auditorium 13 May. Lt Col Westphal presented the Joint Commendation Medal to MAJ Leonard L. Good and GY SGT Russell L. Cavender, and the Army Commendation Medal (First Oak Leaf Cluster) to SSG Billy J. Kirkpatrick.



SSG Billy J. Kilpatrick receives his award for meritorious service as Chief Surveyor while assigned to the 79th Engineer Combat Battalion, 24th Engineer Group (Construction), United States Army, Europe.



MAJ Leonard L. Good accepts his award in recognition of his outstanding contributions to curriculum development in the Department of Topographic Sciences. Everyone at DMS wishes him good fortune in his new assignment in Korea.



GY SGT Russell L. Cavender is presented his award as a result of his numerous significant contributions in curriculum revision and instructional techniques in his capacity as Instructor, Construction Drafting Division.

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SOLUTION TO 15 AUGUST  
CROSSWORD PUZZLE

## Alice in Wonderland

### WHAT THE &%#@\*ç? IS GOING ON HERE?

by Lynne Manov

Like the policeman, a newcomer's lot is not an easy one, at least at DMS — even if you have a cushy job like being editor of the CONTOUR (and other duties as assigned, which LTC Sprinsky has been too busy to think up yet). First of all, people in Diemessland don't speak English, but some polyglot language which purports to resemble English but which is, in fact, more like unto speaking in tongues. However, as a Modern Language major, I have a head start over other newcomers, and I am making great strides despite the Boss's nonconcurrency with my request for a personal interpreter (something about Mr. Nonnemacher not having any in stock). I now can decipher things like "T-3," which refers to a whatchamajigger called a "theodolite." Now all I have to do is find out what a "theodolite" is for. I suspect it's something used by a theosophist.

At this writing, I have survived almost five days in Elf Hollow, and that only because I was allowed out on parole to The Hill. That's where they breed spiders, I find. Now if that isn't looniness incarnate, I'd like to know what is. I was told DMS'ers were a committed bunch, and if they aren't they ought to be. Haven't they ever heard of silk worms? So maybe your crosshairs will be a smidge fatter, but you can console yourself with the knowledge that some poor suffering son of a beehive did not

have to risk life and limb for you. Remember that next time you look through your silk cross-hair'd eyepiece and can't find the target. After all, what difference does a couple of inches make? It's good enough for government work, right?

Then there's LTC Sprinsky's music. Or there's air conditioning. The two, apparently, are mutually exclusive. Now I like men who see things in terms of black and white, but I read somewhere that DMS students have to have unimpaired color vision, and logic would dictate that would go for the higher-ups, too. I guess it's another case of the blind leading the blind.

DMS has introduced me to a number of interesting people, and subsequently I have received warnings about three-fourths of them. There's one particular fellow who's supposed to go around biting young girls on the neck. I must be over the age limit, because no one has chased me down the halls yet, and I've been here a whole week, already.

You know, I had always thought academicians were quiet, retiring, bespectacled sorts until I came here. Now I find that the only part of that description that fits is that some of them make spectacles of themselves. I'd only been here one day when the Bald Eaglet (See? I'm learning the language!) had a set-to with a rather innocuous looking lady with red hair over something about ZBB (Zero Based Budgeting, for those outsiders who (Continued on page 7.)

# WHAT THE &%#@\*c?

(Continued from page 6.)

are not "in the know"). When I ran for help, I was advised that what I had witnessed was not a fight, but a discussion of a rather good-natured variety. If that's "good-natured" I hope I never live to see even "disgruntled."

The fashions in Diemessland are novel, too. SFC Allgood is pioneering a new style khaki trousers, featuring a darker toned inset in the back center seam. Very becoming. And LTC Sprinsky has female engineer buttons for his dress mess. (Or is it mess dress? Anyone else would know that men don't usually wear dresses and if your dress is a mess, you don't need to worry about buttons.) Another fashion first is being designed by Kathy McCloskey, who is contemplating enlivening the press room with a daisy-embroidered apron.

I only have one real gripe, and that's the lady's room mirror, which makes anyone reflected in it resemble a denizen of Middle Earth.

Having been cautioned against offending Hill inhabitants, let me forestall criticism by saying that though my first impressions are topheavy with Bagley Hall, I fully intent to expose myself further to

the rarified atmosphere at those high altitudes. However, I have been told that this must be done gradually, as early overexposure can result in burns, rash, and fever.

## P. X. Notes

(Continued from page 3.)

items that were most popular with the patrons and should have guessed what it was — the good old Salisbury steak. Luiz said that stuffed green peppers are also a fast mover and that fish has graduated from Fridays to being served nearly every day. Then of course there's the new Tiger Burger Platter which is a super meal. In case you've forgotten, there's 1/3 of a pound of choice ground beef (prepared to order) on a seeded bun, with scads of shredded lettuce, slices of tomato, bermuda onion slices, a giant raw pickle, potato chips and, last but not least, special zesty tiger sauce. All this of course is a bargain at a dollar fifteen. Follow the orange tiger paw prints into the cafeteria and have one. (By the way, I heard via the grape vine that there'll soon be an exciting promotional extravaganza for the Tiger, so be on the alert).

Mr. Albuquerque invites you to his restaurant and guarantees your satisfaction. If you're not satisfied with a menu item he'd like to know. He promised that he'd replace your meal or give you your money back if there just wasn't any other way to satisfy your complaint. Why is he willing to do that? He wants to know how he can make better meals tomorrow. That's only possible if he can discover what's going wrong today.

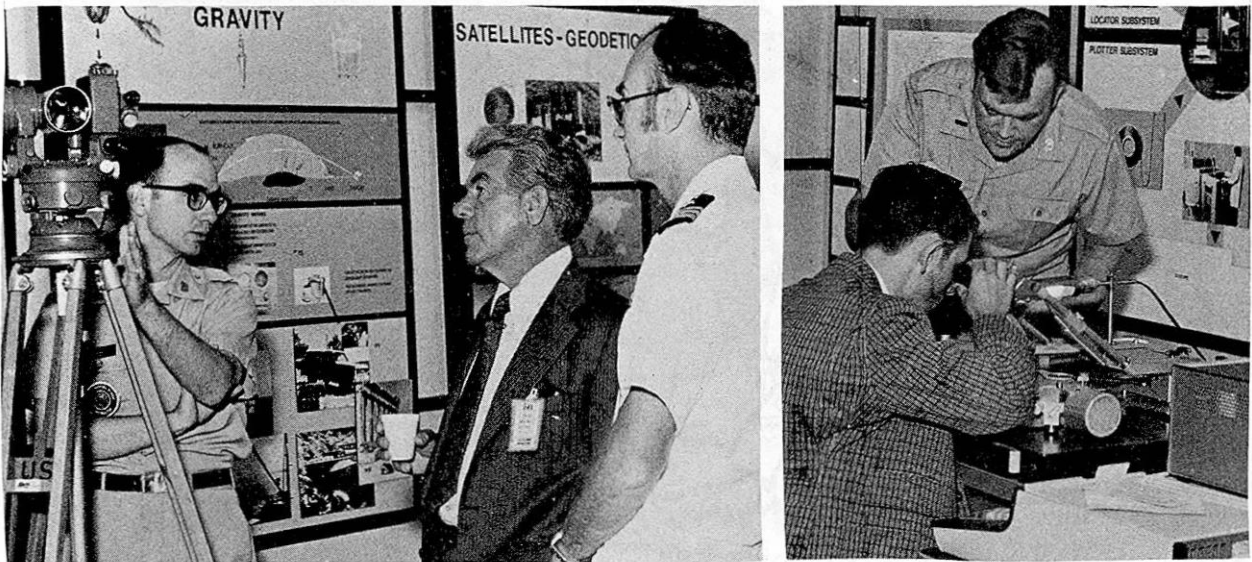
Luiz has a unique rationale about his facility. Although realizing that profits contribute to the soldiers welfare fund, Luiz feels that the average soldier is looking for good value now, today, and is not necessarily looking toward the Company party, new washing machine or pool cues that the welfare fund will buy next month.

A good place to feed your face. It's clean, the food is good, the price is right and a good many of your friends eat there. Why not join them? It saves gas and makes cents.

### LAST MINUTE REMINDER...

The next Contour will be distributed on 26 August; deadline for articles is 11 August.

The deadline for articles in the 9 September Contour is 25 August.



CW3 Christopher Nohe (Dept of Survey) and WO1 Kevin P. Carrigan (TSD) demonstrate equipment used for instruction at DMS at a MC&G conference held at DMA on 10 May 1977. Conference attendees included members of the entire DoD MC&G community.

# What Darwin Doesn't Know . . .

(Continued from page 1.)

and prove its competence. It completes Research, such as the latest Format Change to the writing of lesson plans (which usually arrives just in time to render three months of writing obsolete). Ponderously it tries to decipher the latest Proclamation of PPO. Laboriously, it puzzles over the Director's latest Warrant Officer Joke. And then it delves into the really Deep Stuff — the reading material for its next Human Relations class. Finally, in complete boredom, it reaches towards a well-hidden publication in its desk and furtively thumbs through its titillating contents until it finds the exciting fold-out page — TM 5-237, Diagram #1.

The Instructor spends much time on its Projects. It may be seen, for example, adding to the dictionary of Action Verbs, or compiling a

list of attention getters from the discarded notes of Staff Meetings.

The Instructor is always eager to leave its Batcave and go to class. For one thing, it grows weary of reading the suicide notes of previous occupants, which ominously appear in its in-box clipped to a "Read and Initial" slip.

But mainly the Instructor goes to class to Help Young Minds Unfold. A Young Mind is a rare species possessing an attention span of as long as 30 seconds, the intellectual curiosity of a sweet potato, and an unbridled enthusiasm for extended student breaks.

However, the greatest challenge the Instructor faces is not to tell everything it knows during the first 50 minutes of its class. A little something must be saved for the other 10 weeks of the course, always striving towards the optimal

peak state of stimulation of the Young Mind, at the same time being wary of overloading its tender young Circuits.

All is not uphill for the Instructor, though. It can look forward to many pleasurable days at DMS. It has air conditioning in the Winter and heating in the Summer. Its Batcave location will be moved at about the time the papers need changing. And if things get too dull, it can always get on the Course Content-POI-Lesson Plan Course Content... treadmill for a bit of exercise.

Despite the occasional case of myopia (from staring too hard at where the clock used to be), flat feet (from hoofing back and forth between Bagley and Wheeler Halls), and myocardial infarction (from not enough exercise on the above treadmill), it wouldn't have it any other way.





# CONTOUR

VOLUME 4 NO. 16

DEFENSE MAPPING SCHOOL

12 AUGUST, 1977

## RENOWNED JUDGE SPEAKS TO DMS

by Louise Voelker



Judge Harry S. McAlpin, an old friend of Survey Department's Tom Green, treated DMS to a new and personal view of the human relations problem on Friday, 29 July, in the Bagley Hall Auditorium. His talk, entitled "The Realities of Pioneering," included a series of anecdotes concerning some of the obstacles he encountered in the course of his ultimately successful career.

Throughout his presentation, Judge McAlpin accented the idea that the keys to black advancement are competence, patience, diplomacy, good humor, and perseverance.

Representative of the anecdotes Judge McAlpin used to illustrate this point are his experiences as a reporter for 51 Negro newspapers. During President Franklin D. Roosevelt's administration, Judge McAlpin covered the White House. At that time, the White House Correspondents' Association was exclusively white, and its members admitted McAlpin to membership only after he was endorsed by FDR himself. However, at the first Presidential press conference following

his admission, the head of the association advised him — quite seriously — to sit in the hall so that, in the rush to enter the Oval Office, he would not inadvertently step on another correspondent's foot and start a riot. McAlpin declined to sit in the hall, saying that if such a thing were to happen, it would be a great story which he'd hate to miss.

As a consequence, a wall of ice formed between him and the white correspondents which did not melt

until FDR's funeral. McAlpin was able to take down in shorthand the lengthy, extemporaneous eulogy and willingly shared his transcription with the other journalists. From that time on, he had 200 pairs of eyes and ears gathering news on his behalf in the Washington area.

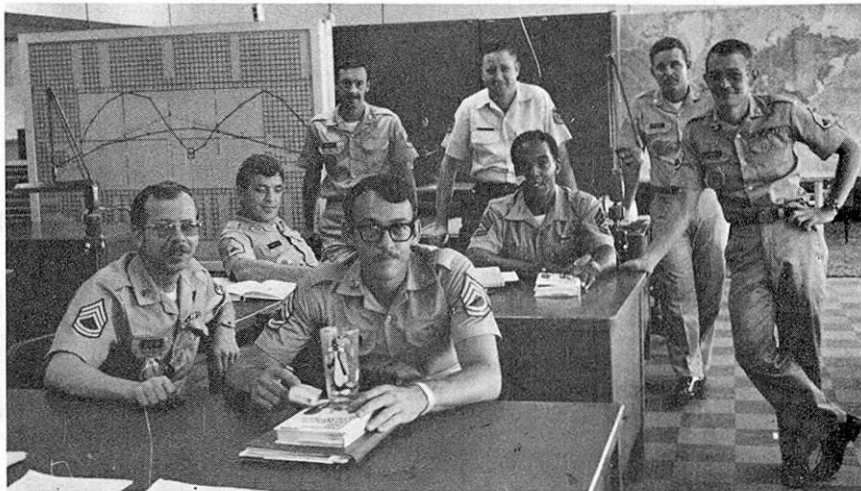
In 1971, he became the first Negro administrative law judge (also known as a hearing examiner) for the US Department of Agriculture. In this position, he had authority to appoint judges to hear cases in all areas of the country. Noting that Negro judges were not welcome (Continued on page 6.)

## Carto Pioneers Effective Writing Course

A three quarter-hour college credit course in effective writing was recently initiated for the benefit of interested Carto instructors. Taught by Kate Evans, PH.D., of Northern Virginia Community College, the class meets in Wheeler Hall each week on Wednesday or pay day afternoon for a three-hour session. The classes were especially designed to assist DMS instructors in refining their writing and editing skills, using practical exercises such as composing and critiquing memos and award recommendations.

Department Chief Maj Kinnan explained that the need for the course was made plain when a couple of his "managers" (instructors) expressed their need for assistance in improving their writing skills. Maj Kinnan was also concerned about the amount of time being spent in the editing process; he felt it was too burdensome and that it was "stealing time" from supervision of instruction.

But no one wanted a course in "Freshman English." Rather, the demand was for instruction tailored (Continued on page 4.)





from the  
**DIRECTOR**

## An Open Letter to the Director

# A MODEST PROPOSAL

Our Volkswagen bus has a distinct mind of its own, and has in the past decided, for instance, that I should not arrive in time for the Admiral's POM decision briefing. Last month, as we set off for a week at Nag's Head with a full load of kids, beach chairs, and freezer chests, it decided that I-95 near Thornburg (Pop: 120) on a Sunday afternoon would be a nice place to shear head studs. After a character-building session with towing firms and car rental agencies, we finally found ourselves safely ensconced in our beachside bungalow around ten that night. We are now anxiously awaiting the bus's next decision.

Congratulations to Lynne on her first issue of the Contour. It was very readable and her two articles added a touch of class to the undisciplined efforts of the rest of us. Mr. Cook also contributed a fine article on his first impressions at DMS which was very complimentary. This laudatory tone will undoubtedly change after a few venomous budget meetings. One word of advice to Lynne; keep the vocabulary simple. Two Warrant Officers have already breathlessly whispered to me that a theosophist is "sum kind uh pree-vert." As an aside, she will find that our Warrants provide a steady stream of articles for the paper, and after winnowing out the libelous statements concerning selected Senior Officers, she will have some very good copy.

I would like to add a serious appeal to the rest of our dormant Contour contributors. Everybody has at least one good story in them (Harnden claims I did mine in '75), and the rest of us would be delighted to read them. Remember the Brabetz boat? The Moore Batcave? and the regulars, like the Old Pro? Write it up, bring it down, and meet our new Editor.

Sir, I should like to bring to your attention the large morale problem that exists within the Defense Mapping School. It affects military and civilians alike and has to do with staff and faculty dress.

What student can help but wonder about his or her instructor (maybe with beard) who runs around in dungarees and a chambray shirt and looks like he's about to change the oil in his car. Or the Army instructor whose voice gets higher in summer because rolling up his sleeves constricts his blood circulation.

You are, I'm sure, familiar with the Air Force custom of terming anyone with the rank of E-6 or above a "manager." Air Force personnel are suspect because of their unfortunate association with "managers." (Who ever heard of a leader "managing his men into battle?") Though all our Air Force instructors are outstanding, other Services are wary of relying on advice from "managers."

For the sake of argument, consider the DMS instructor who has to translate everything into "Marine" for the Marine student. Marine students are commonly convinced that only other Marines know anything worth knowing. (Yes, DMS'ers, there are students who think that way.)

Allied students present yet another interesting problem. They are convinced that only people senior to them in grade know anything worth knowing.

I recommend as an immediate solution to this many-faceted problem the issuance of identical uniforms to members of all branches of the Service, and to civilians as well. I predict that this will boost morale tremendously and increase ten fold the quality of instruction. It will certainly keep both the students and the Ft Belvoir military police on their toes.

At this point you are probably saying, "It sounds good, but won't we have a problem sticking to our long-established military regulations?" Indeed, I can foresee a possible problem with haircuts and beards; but realistically, does long hair or a beard affect the quality of instruction? Does a civilian's long hair make him less an instructor than one of our handsome, cleancut Service instructors? What are regulations for, if not to be broken or disobeyed? (Think BIG sir.)

As you can see, Sir, the most important reason for adopting a single uniform to combat inter- and intra-service discrimination. Like Cabots and Lodges, each of our categories of DMS'er thinks it knows much more than any other group. They all believe the others are less than competent and that only they are the repository of anything worth knowing.

At present, this School is a most un-uniform place to work. The average classroom is rainbow hued; a visitor sees blue, brown, black, green, and almost every other color, side by side. Some of our civilian instructors and staffers really overdo it, trying to see which of them can top the rest by wearing the loudest colors. One uniform would put a stop to all this wasteful and optically painful rivalry.

If you adopt my proposal, Sir, you would be the envy of your peers. You will probably be considered for promotion immediately. No other commander could begin to hold a candle to you. Remember, Sir, the key to solving our problem is one uniform for everyone. And maybe we could get Oleg Cassini or Bill Blass to design one in a subdued, dignified shade of purple...

Respectfully submitted,

(Name withheld by request)



The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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Editor: Lynne Manov



*Theosophist*: an adherent of *theosophy*, which is (1) the belief about God and the world held to be based on mystical insight; (2) the beliefs of a modern movement originating in the US in 1875 and following chiefly Buddhist and Brahmanic theories, especially those of pantheistic evolution and reincarnation.



by SGM Bill Locke

This begins a two part series on the Customer Service Department of your Main Exchange. I had intended that this article would deal with layaways, but found much more material than the Editor would allow me to put in one issue (she mumbled something about changing the name of the paper to PX Notes). Consequently it becomes two parts with layaways being addressed in the next issue.

Ms. Gertrude Clark, Customer Service Supervisor, has a service team of from five to six people working at any one time. The ladies (I saw no men the day I was there) divide their time between wrapping packages, listening to complaining customers, putting merchandise on layaway, assisting with special orders, listening to customers complain, making "adjustments," writing clothing alteration slips, assisting with catalog sales and listening to customer complaints. As you can tell, if you're a good listener you have a jump on other applicants for a job in Ms. Clark's Department.

Gift wrapping takes place "in the back," and runs from fifty cents to a dollar ninety-five depending on size of the package. Paper for most any occasion is available and your package doesn't have to have been purchased at any Exchange facility. Want to mail a gift? Well, they can do that too. Not mail it, of course, but they will pack and wrap it properly for your mailing.

Clothing alterations are contracted out to Belvoir Cleaners and are performed free if the item being altered meets certain pricing criteria, e.g., men's slacks \$12.50 and up, ladies' pant suits \$15.00 and up.

While Customer Service won't take your AAFES Catalog order, they will

review it for you to ensure you've completed the order blank properly. Some of you may not have been aware that there is such a thing as Catalog service. Most catalog merchandise are items not usually stocked for one reason or another, but if there is duplication, the catalog price is less than the store price. Remember however, that as with other mail order systems, you have to pay the postage.

Since the next issue discusses both Layaway and Special Orders, I can skip to the best part — adjustments. For convenience, I've lumped refunds and adjustments together since they are similar. They are similar at least in that they involve a customer complaint of some sort. It may just be "I got it home and it doesn't fit" or may range all the way to "I can't understand why they didn't wear longer. When you pay nine ninety-five for a pair of shoes you expect them to last longer than two years." While the first example is realistic and true, the second is only realistic and representative. Startling? Probably not, as some folks will do most anything. Adjustments are not an easy thing to handle. They involve at least three people — the customer, a  
(Continued on page 4.)

## MYSTERY PERSON



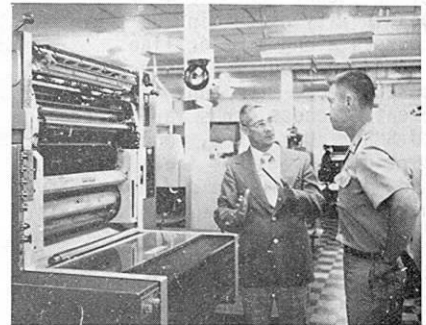
This tyke didn't need "Head Start"! By the time this was taken, he already had one. If you look closely, you'll see a brand new 1939 Hupmobile parked along those country roads, probably used to take him home. The face hasn't changed much, but he's stopped combing his hair (not a "bald" joke). A "good" guy? Certainly. To illustrate the point you need only observe the white shoes. You ought to have it

by now. How? Observe the tilt of the head, those cute little chins. One last final clue. This photo was taken at six months.

ANSWER TO 29 JULY MYSTERY PERSON



A number of DMS folks have beards, but few instruct in underwater diving. We've never actually seen him blow bubbles in the developing sink — that was only reported to us by a side kick of his who must own 42% of the Pepsi Cola stock by now. We would like to have added a clue concerning a namesake who is also an underwater creature, albeit a denizen, but we felt it would make the solution too easy. While the name is spelled with an "a" as opposed to an "e", we'll wager Tom Morey has probably seen one or two (moray eels). The last sentence of the clues, "That makes... hard, which makes..." was designed to throw you off and make you think it was Mr. Hardwick who also occasionally sports a beard (and has been observed blowing bubbles in sinks).



BG Charles J. Fiala gets a short course in the operation of the Harris offset press from our beloved Uncle Wilbur. General Fiala recently visited DMS in his capacity as Deputy Commanding General, Fort Belvoir, and Assistant Commandant, USAES.

# Carto Pioneers...

(Continued from page 1.)

for the writing needs of the position of Carto Instructor. Initially, some of the instructors with more proficient writing skills took a shot at leading their peers in classes, but this arrangement created a great deal of pressure and eventually the situation evolved to the point where Maj Kinnan would have been obliged to teach the classes.



This arrangement was also unhappy, so when Mr. Imagire suggested that one of the professors at NVCC, where he was attending class, might be willing to create a course specifically for the Carto group, Maj Kinnan consulted COL Wintz on the advisability of doing so. The Director told Maj Kinnan to try it out in Carto; if it were successful and useful, he would encourage other Departments to look into the possibility of setting up their own courses along similar lines.

And the course, which has about three weeks to run, has been a great success thus far, according to SMSgt Don Vance, one of the 22 participants. He feels the class had definitely helped him improve his written products, and comments, "This course is far better than a 'Freshman English' course I took at the University of Maryland. Dr. Evans is really appreciative of and considerate of her students."

Maj Kinnan already notes a decreased expenditure of time spent in editing, and feels the project was certainly a worthwhile one for his Department; he is considering initiating a similar course in student counseling if a sufficient number of Carto Instructors show interest.

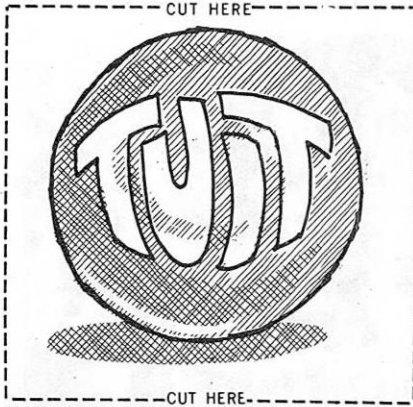


*"I will not Brasso the fire extinguishers again. I will not Brasso the fire extinguishers again. I will not Brasso..."*

## Here's Your Round Tuit

For the past several months the Teaching Departments have searched far and wide and have finally managed to find enough round tuits so that each DMS Staff Member reading the CONTOUR may have one. Your own tuit is located below this column.

Cut it out and keep it with you. It could make your support more efficient if you're one who's always saying, "I'll do it as soon as I get a round tuit." NO MORE EXCUSES!



# P. X. Notes

(Continued from page 3.)

Customer Service representative, and a salesperson from the department which carries the item.

Beginning 15 August, no adjustments (or refunds) can be made without the sales register slip or some equally valid document that can prove that the item was indeed purchased at the Exchange. Why? Simply because the Exchange (not just ours, but all over) has been taking it in the ear (my words) with their "no questions asked" adjustment/refund policy. So, a clue for you. If your neighbor's daughter is getting married and you buy her a toaster at the Exchange as a shower gift, keep the sales slip, price tag and everything else you think appropriate so that when it turns out she got 17 of them and wants to take yours back, she (or you) can. Folks, it's for your benefit, directly and indirectly. Directly it helps hold down prices and indirectly means more coins to Welfare Fund.

I think you'd like to know that your Exchange is the number one Exchange in the Capitol Area in many, many categories. Statistics bear out the fact that Fort Belvoir has really got the team working to make this THE place to shop. You the customer play an important role too, for it's your money being spent in your Exchange that keeps us on top. Keep that in mind, if you will. Shop Fort Belvoir first. If they don't have what you need, ask and management will get it for you. That way you save gas and wear and tear on the old bod.

*Shoppers Tip: A smile makes a salesperson forget the last two frowns.*

Master Gunnery Sergeant Bill Sutton of GAD was promoted to his present rank effective 1 August 1977. In a ceremony held in the Bagley Hall conference room on 3 August, his new stripes were "nailed on" by Lt Col Westphal and MGySgt "Little Vic" Gonzales. We'd show you the nailing on, but the photo was censored for showing excessive violence. After regaining consciousness, here MGySgt Sutton is seen telling assembled friends what he would like to do when he gets his hands on them, and Mrs. Sutton and Lt Col Westphal think he's kidding.

# PHOTOLITH'S RICK HARDWICK EARNS A. A.



Shy, unassuming Rick Hardwick of GAD recently confessed to having earned his Associate in Arts degree in Printing Technology from Montgomery College in Maryland. Having averaged six hours' classroom attendance weekly for three long years, Rick was unsuitably modest about his accomplishment (Mr. McCullough finked on him).

The program in which Rick was enrolled is one that has been in use here at DMS for about three years (Rick was one of the charter members). Classes are taught by Drs.

Rice and Strong of the Visual Communications Technology Department of Montgomery College, and are flexibly scheduled to accommodate the changing schedules of the students.

Mr. McCullough noted that the program reflects favorably on DMS in terms of retaining accreditation and also with regard to maintaining the image of our organization as "not just a place to work."

Rick completed through Montgomery about 46 hours of the 64 required for the A.A. He already had 18 hours from Old Dominion in Norfolk under his belt before he came to DMS. The technical courses required for the degree were taught here at DMS, but students had to pursue academic credits on their own through Northern Virginia Community College, by special arrangement with Montgomery.

Rick doesn't plan to rest on his laurels, though. He says he'll keep on trucking towards a Bachelor's degree, possibly in Business Management, from a local university such as George Mason. Congratulations on your graduation, Rick!

Registration for the Fall Semester of Montgomery College program at DMS will take place 7 September at 1330 hours in Press Classroom (second floor) at Bagley Hall, Bldg 214. Classes will start 15 September.

This class will be VT 213, 3 semester hours credit. Subject matter deals with estimating costs for jobs of standard sizes and types; the study of paper sizes, weights and uses; the suitability of different processes and equipment for specific jobs; costs for copy preparation, for bindery operations and handling operations.

This is one of eleven (11) technical classes leading to an A.A. degree in Printing Technology presented by Montgomery College at the Defense Mapping School.

For further information, call Mr. Arthur Fleshman, Graphic Arts Department, Defense Mapping School, telephone 664-2285. "PREPARE FOR THE FUTURE — YOU'LL SPEND THE REST OF YOUR LIFE THERE"

# FLEDGLING TC'ERS TRAINED AT DMS

The "do or die" students of the 1st New Employee Orientation Course (NEOC) are just about done "doing" and have already "died" at the hands of the murderous DMS Purples, world renowned volleyball team. These students, new employees at our sister component, DMATC, are here to get an overview of the topographic disciplines, with particular emphasis on photogrammetry and cartography.

Our answer to the DMATC requirement is a combination of elements of MCGOC, PAAP, and "McClatchey on mathematics." After a short exposure to the beauty and precision of geodetic survey, and a short dip in

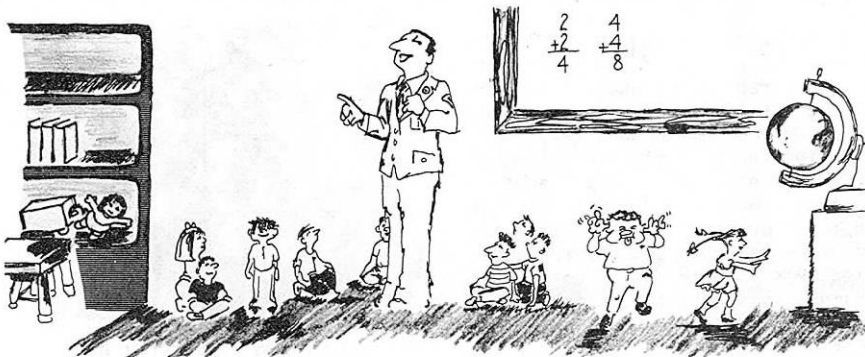
the crystal clear pool of least squares adjustments, the students plunged into the murky waters of cartography and will finish with the internationally known Irish song and dance team of Kinnan and O'Neal, doing selections from their first run hit, Principles and Applications of Analytical Photogrammetry.

As a change of pace from the academic drill, our NEOC'ers daily engage in volleyball during their lunch hour. Unfortunately, the NEOC'ers made the mistake of challenging the famous DMS purple team to a game and were soundly defeated. Some of the students should be good



candidates for the DMATC softball team next year. Some of them have pretty good arms, as we noted when they were observed throwing apples at each other upon departing Fort Belvoir at the end of an exhausting academic day. The Fort Belvoir military police are curious about our students and the carry-all that brings them on post each day — particularly the student who wears a mask.

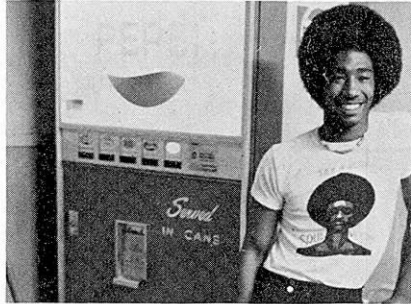
Two of the students couldn't take the academic stress and got married during the course. They were Michael Fitzgerald and Glenn Hobaugh. The others, Virginia Armacost, Matthew Beall, Edwin Butterworth, Jr., (Continued on page 6.)



## DMS WELCOMES THE NEW AND USED



CW4 Chuck Rottman has returned to DMS after a six-month absence during which he attended the Warrant Officer Senior Course at Fort Rucker. Mr. Rottman, currently a student in APPS, noted, "While I was vacationing at Rucker, I put in a recommendation that LTC Sprinsky be assigned as the next Commandant of the Warrant Officer Career Course." Good to have you back, Chuck.



Tyrone Carey is a new face in the Waxer department, and he takes pride in the appearance of the floors, particularly the ones he attends to personally, like the one that runs between the Bald Eaglet's aerie and the Director's office. Tyrone will be with us for about a year before his anticipated return to the pentagonal puzzle palace on the Potomac, but — you never know — we may have hooked him by then. He likes working indoors, he says, but after working at the big P, how do you tell indoors from outdoors? Welcome to DMS, Tyrone.



Major Robert W. Millians (USAF),

our new Chief in the Survey Department, comes to DMS from a four-year tour at Vandenberg AFB near Lompoc, CA (Lompoc, of course, is renowned as the flower-seed capital of the world), where he was assigned to the Geodetic Survey Squadron, Detachment 1. Maj Millians was involved with the survey requirements in association with the landing system of the space shuttle currently being tested at Edwards AFB. The shuttle will be launched from and recovered at Vandenberg beginning in about 1982; part of Maj Millians' job was to install 250 precise points for the shuttle's laser landing system; he also surveyed all tracking devices and installed antennas.

Maj Millians also served a hardship tour at Patrick AFB at Cocoa Beach, FL, where he participated in all the initial survey requirements for the APOLLO series.

Survey's new Chief's background includes 14 years in the geodetic survey business; he holds both BS and MS degrees in geomorphology from the University of Georgia. While stationed at Vandenberg, he taught environmental geology for 2 years at Allen Hancock Community College.

In his spare time, Maj Millians enjoys golf and woodworking (with an emphasis on cabinetry). He and his wife, Beverley, have two sons, ages 9 and 5. DMS is happy to welcome them all to Fort Belvoir, where we know they'll fit in just fine: When asked how he felt about Warrant Officers, Maj Millians replied, "Well, I'm inexperienced at working with (them). The Air Force recognized their inability to perform at accepted levels and discarded them long ago."

## INSTRUCTOR OF THE QUARTER

On 3 August in Bagley Hall, CPT Thomas Filip, Jr. of the Department of Topographic Sciences, Terrain Evaluation Division, was recognized as Instructor of the Quarter.

During the presentation ceremony, COL Wintz noted CPT Filip's contributions toward student motivation (put out or get out); institution of remedial math 101 for reclassified MP's into the 81 career field; system design of the Polish calculator; and the reproduction of pet rocks.

## Judge McAlpin...

(Continued from page 1.) In Southern states, he assigned himself to cases in the South, and again proved that color is not a determining factor with regard to competence. In less than a year, he was named Chief Judge in the Office of Administrative Law Judges of the Department of Agriculture.

Judge McAlpin looks far younger than his 70 years. He "retired" a year ago and keeps young by staying involved — by helping others of his race toward positions of responsibility. He hopes to convince President Carter that some Federal judges in the South can and should be Negro. He is currently writing a novel about life on the campus of a black university. If his writing is as personal and human as his anecdotes, his book should be a best seller.

Judge McAlpin and his wife, Alicia, who is also an attorney (as is one of their daughters), have been married for over 50 years. In all that time, says Mrs. McAlpin, they have "never had a fuss." Her secret is to write down all her complaints, read them over three times, and then throw them in the trash. Judge McAlpin, in an aside, said he then fishes out the scraps and pieces them together.

## Fledglings...

(Continued from page 5.)

Charles Catlin, Ferne Cooper, Wilfred LaCroix, Vanessa Nii, John Pearce, Robert Roth, Michael Thomas and Robert White, Jr., welcomed them back to the peace and quiet of Wheeler Hall after a short honeymoon. Keep trying, NEOC'ers; your coordinate transformations and volleyball prowess may again be tested during some future PAAP.



CPT Filip emulates pet rock.



### On the Links

## DMS "B" Team Bows to 2d Bn "A" Team

by MSgt Bill Sutton

Tuesday the 26th of July was a perfect day to play golf. The gentle breeze and bright sunshine provided the backdrop for the DMS "A" and "B" teams' participation in the Fort Belvoir Intramural Sports Program.

The scheduled match between the DMS "A" team and the US Army Computer Systems Command was forfeited because CSC failed to field a team. The "A" team enjoyed the afternoon by playing a much-needed practice round.

The DMS "B" team found the going a little rougher when they teed up against a good 2d Bn "A" team. Bill Sutton and Jim Hey had a struggle throughout the 18-hole play. Jim thought he had joined the Marine Corps because he hit just about all those "beaches" — he was in so much sand, he thought it was Iwo Jima. But he did get a lot of practice hitting out of those bunkers. Bill Sutton couldn't find the range at all, or select the right club to do the job. He was constantly short with his shots and when he did get on the green, his putter completely deserted him. Bill needs to attend one of those survey classes and see if it helps his game.

Karl Abt and Bill Hudak, the other two members of the DMS "B" team, fared better against their competition. Bill and Karl took seven of the nine points that can be won during a match. Karl carded an 87 and Bill a 91 for the 18 holes. Karl was pleased when Sutton told him he'd parked his car out of range. Karl's game improved by 15 strokes.

When the scorecards were totaled, 2d Bn "A" had 9-1/2 points to the "B" team's 8-1/2, giving the 2d Bn "A" foursome the match.

It's back to the practice range

## In the Dugout

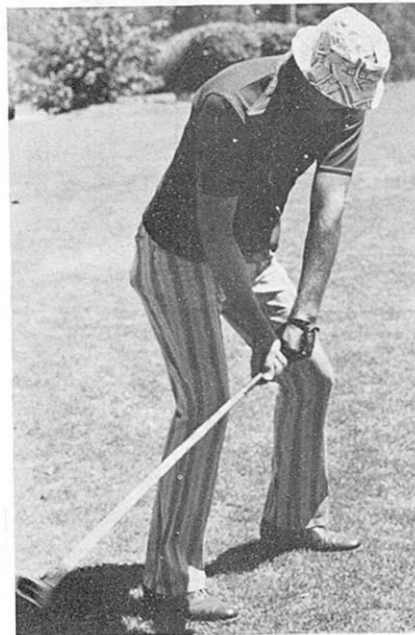
by SGM Bill Locke

The dugout is empty now. A lone paper cup spins lazily in a late summer evening's breeze. The roar of the crowd is now only a memory in the mind's ear. The fans were really great. Occasionally a boo, but even the greatest teams (and the Super J's are one of those) suffer that once in a while. The trophy received for First Place in the Western Division is a thing to behold. It represents a lot of team spirit and support by loyal fans. It stands as a reminder of the mud, sweat, errors, rain, lack of hits, trials and tribulations of the spunky group who were known around the Division as the "old men." It was a successful season despite early elimination in the tournament, and we issue the warning, "Look out, World, 'cause the 'old men' will be back again next year." All the sprains and sores will be healed. There'll be new blood, of course, but the core will be the same players who risk life and limb each year, racing recklessly around the bases. Spring



training isn't far away, and before you know it, flyers announcing the try-outs will be appearing.

Thanks, fans! And a special thanks to John Radu for putting up with our occasional ineptitude.



*CPT Jim Hey demonstrates ideal golf stance and swing.*

in order to prepare for the DMATC tournament to be held at Brooke Manor Country Club in honor of Director COL Cordova's departure from TC. DMS will have three foursomes representing the School and compet-

ing for the many prizes that will be offered. Watch this space for results.

## DMS GOLF TOURNNEY

The 1977 DMS Golf Tournament will be held on 9 September at the Woodlawn Country Club, near Ft Belvoir. The entry fee of \$12.50 includes green fees, drinks, a buffet lunch, and prizes. Contact SSG Paul Lynne at 43972 for an entry fee form.

### brain teaser

A farmer has \$100.00 with which to buy 100 head of livestock. (The pre-inflation prices are not to be disputed for the purposes of this problem.) Sheep are priced at 50¢ apiece; cows run \$3.00 each, and horses cost \$5.00 per head.

How many of each species does the farmer have to buy to spend his \$100.00?

(Answers next issue.)

# MURPHY'S LAW AND ITS COROLLARIES

In general Murphy's Law states that

*If anything can possibly go wrong with a design, test, or experiment-it will.*

From this basic statement concerning the nature and behavior of inanimate objects a number of corollaries have been drawn, as follows:

## General Corollaries

1. When a design has been completely defined and all avenues of inquiry exhausted, an uninformed, independent, amateur experimenter will discover a face that either abolishes the need for the design or expands the scope of the need to such extent that the design is worthless.
2. The necessity for making a major change in a design increases in direct proportion to the decrease in time remaining to complete the design.
3. The more innocuous an alteration in a design appears to be, the more extensive will be its influence.
4. Units will always be expressed in the least usable terms. For example, acceleration is most apt to be expressed in furlongs/fortnight and specific weight in stones/angstrom.
5. It is impossible for overall dimensions to be totaled correctly after 4:30 pm on Friday.
6. The probability that a particular dimension has been omitted from a drawing will be directly proportional to its importance.

## Purchase Corollaries

1. All warranty and guarantee clauses in an equipment purchase agreement become null and void upon payment of the invoice.
2. Any mechanical or electrical device used in a design will most likely fail to operate the day after the manufacturer's guarantee expires.
3. All engineering instrumentation with any malfunction short of complete failure will function perfectly in the presence of an experienced serviceman.

4. Important equipment operating manuals will always be lost, discarded, or misplaced prior to need. Don't be dismayed, however. Your assistant will interpret this as a call for originality.

## Analysis Corollaries

1. In any collection of data, the figures that are obviously correct will contain errors.
2. It is customary for a decimal to be misplaced.
3. An error that can creep into a calculation, will. Also, it will always be in the direction that will cause the most damage to the calculation.



MAJ Jay J. McClatchey demonstrates the astounding capabilities of the WANG mini-computer (formerly called a programmable calculator) to an amazed group from the Defense Nuclear Agency.

## LAST MINUTE REMINDER...

The next CONTOUR will be distributed on 26 August; deadline for articles is 11 August. Deadline for articles in the 9 September CONTOUR is 25 August.



The second floor of Bagley Hall is conscientiously redecorated for the first time in eight years. Visitors should note the new tone of paint, a shade or two less hideous than that it replaced, and the exquisite workmanship on the molding and baseboards. SFC Roberts and SFC Eveland are pictured here; SFC Zieres also wielded a brush on this beautification project.



CPT Jim Hey congratulates fellow instructor CPT Orlander Jasper Keller on his award of the Joint Service Commendation Medal. In an award ceremony held on 26 July, CPT Keller was recognized for his exemplary service as an instructor in the Department of Topographic Sciences, Terrain Evaluation Division. Everyone wishes you the best in your new assignment on Eniwetok, O.J.!



# CONTOUR

VOLUME 4 NO. 17

DEFENSE MAPPING SCHOOL

26 AUGUST 1977

First Ever DMS Workbook  
Pinup! Turn to page 8!  
CONTOUR EXCLUSIVE!

Upward Mobility Is Working at DMS

## THE THREE FACES OF UM

As seen by Personnel

What is "UM?" To DMS people it is a variety of things - to old DMS'ers it could be the beginning of our SGM's usual reply (um-um-um); to some it could represent an intelligent answer; and to some it could be someone thinking of an intelligent reply. In this case, UM represents Upward Mobility.

Upward Mobility is a program for the development and implementation of specific career opportunities for lower level employees (below GS-9 or equivalent) who are in positions or occupational series which do not enable them to realize their full work potential.

The DMS Upward Mobility Program has one major goal: to provide permanent DMS employees who possess potential and are selected for a trainee position with the opportunity to receive training and experience so that they can progress toward a specific "target" job.

As seen by Management

Mr. McCullough saw the Upward Mobility program as the answer to a perceived future need for women or minority members in instructor positions within the Graphic Arts Department.

"We tried three different times a few years back to fill an instructor position at the GS-9 level with a woman," said Mr. McCullough. "We just didn't get any applications from women when we advertised through normal Civil Service channels. So we ended up filling the slots with men.

"In frustration, we turned to Mr. Cummins in Personnel to find some solution to this problem," continued Mr. McCullough. "We felt it was really time we had some female instructors, partly because sometimes they can deal better with our

female students, and partly because of the changing career patterns in the military which opens more teaching fields to them."

A short time later GAD had 2 civilian vacancies, and one of them was designated an Upward Mobility slot. This involved getting Topo Center's position classifier to re-classify the job and write up performance standards; then the position was formally established.

GAD designed a comprehensive, 104-week training program with the assistance of the DMATC personnel training office. One year is spent at the GS-5 level, and another at the GS-7 level. When the UM candidate completes the program, he or she will be eligible to compete at the GS-9 level for an instructor position. During the entire two years, the candidate submits written weekly reports on what he or she has learned or accomplished that week. In addition, after the initial 30 days, a written evaluation of the candidate's progress is made, and the candidate also evaluates the course. This exchange of evaluations is then repeated at 90-day intervals.

Training includes all that DMS has to offer in the Graphic Arts field, and in addition, the candidate is enrolled in two speech courses and a writing course at Northern Virginia Community College or at a local branch of the University of Virginia; the candidate also takes courses at the US Army Engineer School such as the Instructor Training Course. College credit can also be earned by taking technical courses.

"It's a tall order," says Mr. McCullough, "to learn both the technique of teaching and the mechanics of the graphic arts field. But I don't believe that any Graphics teacher trained elsewhere will have had the benefits of the same in-depth instruction this program provides."



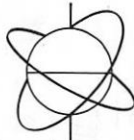
As seen by the Employee

Can a feisty redhead from PPO find happiness with dirty fingernails? A resounding "Yes!" says Cathy McCloskey, DMS' answer to the escalating national apathy crisis. Cathy, whom all loyal CONTOUR readers applauded when she was Editor, is our first Upward Mobility candidate.

"I had been an Administrative Aide in 301 'catchall' series, and later I went to a staff position in PPO; my job title was Student Affairs Coordinator," says Cathy. "With the changing composition of our classes, COL Kurtz felt a need for a female counselor to support the instructors. It was the counseling and other duties in the Student Affairs Coordinator slot that gave me the confidence to apply for this (UM) job.

"I began making up welcome packets for the MC&GOC classes, and after a while progressed to giving 5 minute briefings. At first, standing up in front of a group terrified me. I'd have to get psyched up two weeks in advance."

The idea of teaching was frightening, she admits. "I did a lot of soul searching before I applied," she explains. "I talked to a lot of people about what was involved and whether they thought I could do it. The notion that 'anybody can (Continued on page 3.)



from the  
**DIRECTOR**

On 26 August, retirement ceremonies will be held for Vice Admiral Cramer in the Navy Yard. Admiral Cramer has served as Director of the Defense Mapping Agency since September 1974.

The command relationship between Headquarters and DMS has been a comfortable one. Sometimes we didn't get what we wanted, and sometimes we got what we didn't want, but it was always done gracefully and with understanding by the Boss. That's what I mean by comfortable. Admiral Cramer's greatest talent is saying the right thing; I don't know how one does this, but it's obviously natural with him. He has, at one time or

another, charmed and entertained in our presence: A group of surly Construction Draftsmen, an enraged Component Director, an enraged Headquarters staffer, the Wintz boys, Jan, a MC&GOC class, and (ready?) Lt Col MacKenzie. It's not blarney or the gift of gab; it's having poise and intelligence.

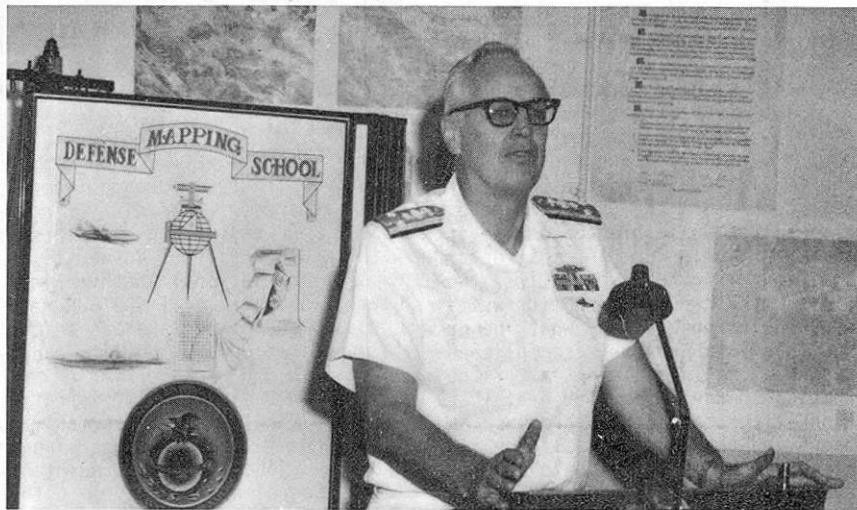
The impact of Admiral Cramer's tour has been felt by all of us. Sergeant Major has had to teach a grown man how to play poker. LTC Sprinsky has earned the sobriquet "Fingers," and learned to stay in small dark rooms for long periods of time. Bob Jones doesn't put his feet on his desk as much. We all say "overhead" and "deck" a lot. I don't use the phrase "Squad Leading" any more, and have discovered the prandial joys of chicken salad. Taking a broad and serious view, we have all enjoyed funds, manpower, and prestige that we simply wouldn't have without the support and talent of Shannon Cramer. Godspeed, Admiral, and thank you.

On second thought, forget the entertaining and non-controversial. If it's dull or controversial, we'll fix it. If it's thought-provoking, we'll fix that, too. On third thought, you don't even have to write it! We'll write it! Just give us the benefit of your superior intellectual abilities, and we can work something out. Creative pieces, news pieces, personality features, funny photos (we're really scraping the barrel for Mystery Persons), etc., are all welcome.

If the 12 August issue looked a bit different, it's probably because I not only collected/wrote/photographed/edited/invented the news, but ALSO laid out and pasted up the news, under the eagle eye and able tutelage of John Houchins. And it was absolutely NOT his fault that all the percentages on the halftones were wrong; he taught me right but I done 'em wrong. (All those little hashmarks on the ruler got me confused.) I promise it won't happen again. (You should have seen the look SFC Findley gave me. And all over a piddling four hours' work.)

My one super idea for a new column, which I failed to sell to the Boss but was able to sell to the Director, got shot down because it seems it would have gotten us sued. Naturally, the Bald Eaglet chortled at this development, saying he never liked it in the first place...which is true, but that's not what he told the Director.

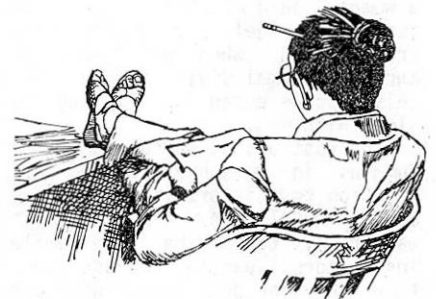
Once more, I resolutely promise you supraterrrestrial beings in Wheeler Hall that I shall return to nose out the news, as soon as you get your air conditioning fixed. I'm beginning to think there's something nefarious (Ed's note: "Nefarious: adj. extremely wicked; iniquitous." You can look iniquitous up for yourselves and improve each shining moment) going on up there and the air conditioning was deliberately sabotaged to keep me away. Well, I've got news for you! It's working!



## From the Editor

It seems that the voluminous issue of August 12 used up all the news, because soliciting contributions for this issue has been like drawing blood from Mrs. Burke. Where are you all hiding? Come out, come out, wherever you are! Ollie-

ollie-income-free! No, seriously folks - you don't even have to be able to "write" to submit for the Contour - that's what good editors are for (pat, pat - ow! I think I dislocated my shoulder!). All you have to do is come up with a reasonably entertaining, reasonably non-controversial, reasonably legible, reasonable story and send it down. Anonymously, if you like!



The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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Director: COL Edward K. Wintz  
Editor: Lynne Manov

## ...UM...

(Continued from page 1.)

teach' is very definitely FALSE, I find. You have to gain the students' trust, respect, and confidence, and you have to be able to take a lot of (guff), too.

"I'm really champing at the bit," Cathy says enthusiastically. "I can't wait to have my own students. The way this program is set up is truly outstanding. It has built my confidence because I can see right away the results of what I've learned."

When asked what advice she'd give to other future UM candidates, Cathy offered this: "I think people who question their ability to deal with the mechanics or the human side probably wouldn't apply in the first place. But you also have to be able to deal with things like having dirty fingernails. It's important to go into the program feeling sure you can go through with it."



## CORRECTION

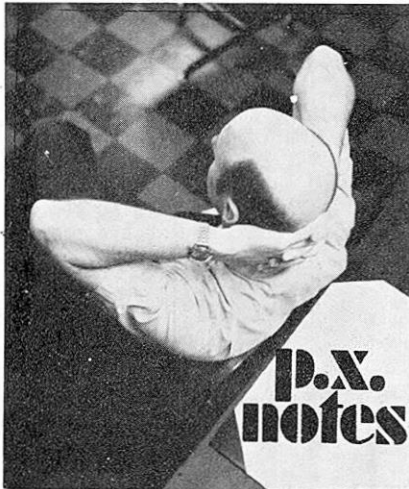
As the more swift of our readers (that is, everyone but our Warrant Officers) have already noted, the article on "Murphy's Law and Its Corollaries" was grossly incorrect in two areas. The inaccuracies are found in paragraph 4, dealing with units. Obviously, the acceleration, expressed in furlongs per fortnight, is wrong. It should be furlongs per fortnight per fortnight or furlongs per fortnight squared. Also, specific weight should be stones per angstrom cubed. Our thanks to the reader who drew our editorial attention to this oversight.

## DMA Deputy Director Departs

Major General James A. Young called down recently to let us know he could not make the DMS Golf Tournament. The reason sent our Director's chair over backwards: He's been reassigned to Ankara, Turkey with duty as CENTO Chief of Staff. General Young is an interesting and expressive man, and it's been our pleasure to have had him as a guest at DMS. After hearing from COL Wintz about the outcome of the Admiral's poker games, several

of our golf hustlers had been vying for the General as a foursome member. Wiser heads have pointed out that this isn't a swift move at all.

The Young family has experience with the Marines and Army as well as the Air Force, and he has kept a fatherly eye out for the welfare of the School's very important Air Force members. DMS would like to thank General Young for his support and wish him our best on his next tour.



by SGM Bill Locke

Have you spied something in the Exchange recently that you just didn't have the coin for at the time? Layaway is the answer. Another of the several services offered by the Customer Service folks at your Main Exchange, it's the topic for this issue.

According to Ms. Gertrude Clark, Customer Service Supervisor, the Layaway program is probably used most by those of us who would like some item of merchandise but need to "spread out" the price a bit. Sometimes an item is put on layaway because a customer finds a bargain and wants to be sure it's not gone tomorrow when he/she returns (the forgotten checkbook trick). Regardless of the reason, there are some basic rules the customer should know. Some of these are found on the front/back of the layaway ticket and others you may not be aware of (once again, I wasn't).

First off, you must have merchandise totaling \$15 or more to qualify for the service. After putting 10% "down," you then have 90 days to pay off the remainder. This is accomplished by paying one-third of the balance at 30, 60 and 90 day

periods (10-day grace period for each payment allows a measure of forgetfulness). Now if you've really got your eye on something big and it's over \$200, then it's 10% down and one-sixth of the balance every 30 days for a total period of 180 days. While the payoff time doubles, the "grace period" does not - still 10 days. I've mentioned the grace period twice for a reason: if you don't make your payment on time (within grace period) your layaway goes back to stock and you pay \$1.50 if on the 90-day plan and \$3.00 for the 180-day plan. If for some reason you change your mind and don't want your layaway, it may be returned to stock at any time, free of charge, so long as you are current in your payments.

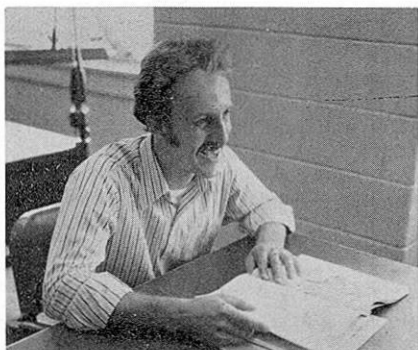
There are few restrictions on items allowed to be put on the layaway program. In fact, at the present time there are only two categories of products disallowed, cut piece goods and perishable products (anything with a limited shelf life or expiration date). Find something on sale or special mark down? That's OK, put it on layaway.

If your merchandise isn't boxed, Customer Service will put it in one, or wrap it, or cover it with a plastic bag in the case of clothes, before sending it along to Layaway Storage in Building 603. Small, high-value items are placed in a special security room to make sure that special diamond brooch for your wife is safe. Building 603 is also where you pick up your items after you've made your last payment and had your ticket stamped "PAID." Because 603 is not open on Saturday or Sunday, you may make arrangements to have your item sent to the Main Exchange for pick up on those days by calling Customer Service before 1500 hours on Friday (please make sure you give your ticket number to the sales person).

A little-known (I think) "plus" (Continued on page 4.)

# CARTO HAILS AND FARESWELL

CD's Compilation Division recently gained a new instructor, JOHN WOODBURN. John did a stint here at DMS on the other side of the podium back in '72, when he was being trained as a cartographic compiler. He used his time and knowledge to good advantage with the 649th Engineer Bn, Schwetzingen, W. Germany; John returned to the States and civilian life in August 1974. He got on board at DMATC as a compiler soon thereafter, and after three years there was ready for a change. He's in the throes of the Instructor Training Course under the auspices of the Engineer School as we go to press, but should be ready any day now to tackle the challenges of DMS Instructorhood. Glad to have you with us, John.



*John Woodburn bones up for Charm School.*

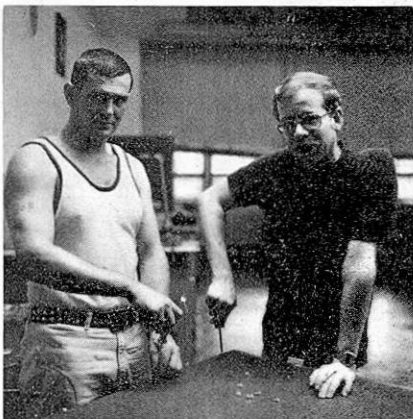


*SSG Kidd and inspiring backdrop.*

SSG HOWARD ("BUTCH") KIDD also trained here in '72 as a cartographic compiler, and worked alongside John Woodburn for a time with the 649th Engineer Bn. When SSG Kidd came back to the States in October 1972, though, he'd re-upped and went to the 30th Engineers over on North Post. Since June he's been with Carto Compilation Division and is attending Charm School, together with Mr. Woodburn, before taking his place on the podium. SSG Kidd enjoys all sports and played the

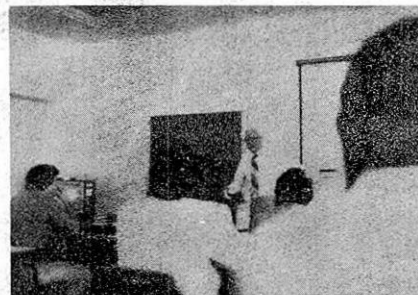
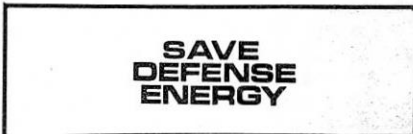
last three (losing - sorry about that!) games with the Super J's this season. Welcome to DMS, Butch.

SFC ROBERT KANE comes to DMS as our first Construction Foreman (non-draftsman). Assigned as an instructor in Construction Drafting, SFC Kane has a large advantage over the rest of the CD instructors in that he's had to build the stuff they draw. Originally from Troy, New York, his last assignment was with the 293rd Engineer Bn (Combat) (Heavy) in Baumholder. Together with SSG Kidd and Mr. Woodburn, he is attending ITC at this very moment, and has been auditing CD courses in preparation for taking over teaching duties. SFC Kane and his wife, Marianne, have three sons aged 17, 14, and 12; and Bob plans on trying out for the Super J's in the spring. They'll be glad you're joining the team, and we are too.



*SFC Gaisford, right, administers OJT to SFC Kane.*

And last but certainly not least, SFC JOHN GAISFORD has been reassigned. An instructor in Construction Drafting for the past three years, SFC Gaisford is fulfilling the Peter Principle by leaving us for the Pentagon, where he will act as Facilities Manager for the Joint Chiefs of Staff. He says that while he is looking forward to his new job, he's not eagerly anticipating the commute, and he will certainly miss the teaching he has enjoyed so much during his tour here. Good luck on your new job, John, and remember: Don't stick your fingers in the light sockets.



*Our New Employees Orientation Course (NEOC) students completed their training and were graduated on 5 August. The graduates were addressed by DMATC's Assistant Deputy Director of Plans, Requirements, and Technology, Serenus W. Dossi.*

## P. X. Notes

(Continued from page 3.)

about the Layaway program is that it also includes Special Order items, a separate program of its own. The layaway rules for Special Orders are slightly different, however, because of the nature of the products in the program. Special Order items are ones that have small demand and consequently aren't stocked but are still available through the AAFES supply system. Now as you can see, if you change your mind and don't want the purple-and-black, one-sleeved, fleece-lined sport coat, it may not sell if returned to stock. Therefore, you are required to put a 25% deposit down when ordering, another 10% (of balance) when it goes to layaway, and then the remainder in one-third or one-sixth installments. Change your mind? Don't want it? Your 25% deposit is gone bye-bye, but so long as you're on schedule with your payments, you can recoup the rest. If it's a personalized item (your name in rhinestones or whatever) you will be required to pay in full when ordering and of course that eliminates using layaway.

Let me close with a plea from Ms. Clark — "Please preserve your white copy of the layaway ticket and bring it with you when you make payments." While her people keep a copy on file, it's not filed by number or name but by payment date. So knowing your name or the number of your ticket does not help them when you want to make a payment and you don't have your ticket.

Layaway is for your convenience, so use it when you've a need. It's handy, requires a minimum of effort on your part, and it's another free service provided by the friendly folks of AAFES.

# Facilities Renovation on the Horizon

by Lt Col Westphal

I am sure that most of you have seen me around the "campus" in the recent past with my hands full of drawings, diligently looking into classrooms and making notes. Many rumors have circulated about building this or rearranging that in both Wheeler and Bagley. It is time that an explanation was forthcoming on just what is intended and what can be expected.

First, a short discussion of the rules is in order. Many of us assume that because money is available, any construction can be accomplished merely by submitting a work order to DFAE. However, the Congress reserves the right unto itself to approve construction of government facilities on an item-by-item basis through the Military Construction Program, commonly called MILCON (or to the Army types, MCA). Congress does authorize the services and agencies to build limited facilities, utilizing operations and maintenance (O&M) funds without congressional approval, when such facilities will contribute to increased efficiency and effectiveness. The limit in this instance is \$75,000 per similar facility on each post or station. There are some other rules which apply, such as the type of work and time limitations between projects. But the primary effect on DMS is that construction work for Bagley and Wheeler must be combined into one project since both buildings are classified as training facilities. Costs for maintenance and installing equipment are not included within the \$75,000 limitation.

Some may ask, "Why don't we complete one part of the project this year and the remainder next year?" This approach, called incrementation, is expressly forbidden. There is the classic case of the Fort Lee airfield which was constructed for \$800,000 when the O&M construction limitation was \$25,000. Many of the constraints and procedures which apply today resulted from the lengthy investigation of that incident.

Recently a combined project was submitted to DFAE to improve conditions in Bagley and Wheeler Halls. Our most pressing need was determined to be the upgrading of the electrical systems in both buildings to accommodate the present equipments and those we anticipate getting in the future. We hope we can eliminate blown fuses and circuit breakers every time a buffer

is plugged in and turned on. We also need to improve the alcohol vapor exhaust system in the Bagley Hall press room to eliminate the hazard to personnel working there. Would you believe that the fire sprinkler system in Bagley Auditorium is installed above the drop ceiling? This condition was discovered in a recent fire inspection and must be corrected. We are also extending the present air conditioning duct system in Bagley to the film process areas to curtail the breakdown of photochemicals due to heat. The duct system will also be extended into the conference room. We also need to install a roller washer in the head (latrine?) located off the press room and straighten out the wiring and outlets in the stripping and plate layout room. Maybe this and a few self-help projects will hold Bagley Hall until we can get something going on construction of a new facility.

We have requested that, in Wheeler Hall, the instructor platforms be arranged so that you enter the classrooms at the opposite end of the room from the platform. We have also included construction of cement block partitions on the first floor in the old student break area and where the present wooden partitions exist. This will improve the instructor office conditions, especially for the Survey Department.

We anticipate receipt of the new mini-computer, which is supposed to be installed in the Commo room, in late September. An accordion partition will be installed to allow use of the remaining space for classroom purposes. Additional lighting banks will be installed in the construction drafting rooms to correct the shadowing effect. Over-

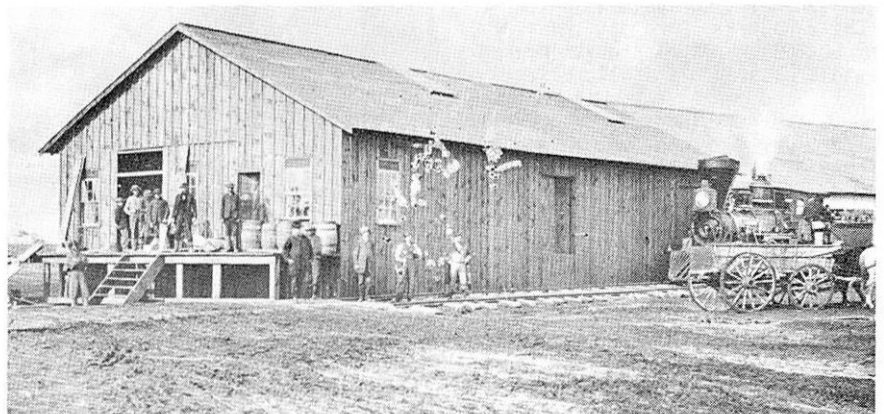
head drop cords will be installed in those rooms where hand held and desk top calculators are used. Additional wall outlets will be provided in the "Bat Cave" rooms behind the instructor offices to facilitate use of equipment and lighting in these areas. Fluorescent lighting will replace the incandescent lights in the hallways to facilitate economy and energy conservation. The entrance doors to the EOAC classroom will be set back to the end of the alcove entrance to allow access to the instructor office without disturbing a class in session. In addition, a coat rack and shelf will be installed across the back of the room.

Although not part of the construction project, we plan concurrently to replace the chalk boards and install wall mounted TV stands. Most of this work will have to be accomplished by self help.

A separate project was also submitted to extend and add two additional piers to Jackson Observatory. This project will allow for an increased student load in AGS and make better use of student time during observations.

Preliminary estimates of the work for Bagley and Wheeler Halls indicate the cost will exceed \$75,000. Some of the latter items may not be accomplished; however, we hope to be able to solve some of our major problems.

When can we expect some action? First, a detailed set of plans and specifications must be developed. It may be that a commercial contractor will be hired to accomplish this work, but this is a DFAE decision. After the competing firms have submitted their bids, a contractor will be selected and authorized to proceed. We're not making any promises, but we hope to see some action before Christmas.



Students take break in front of new classroom building funded by O&M.

## Impressions by Cook

During May, June and July I went, as part of a three-man DMA team, to five South American countries. In spite of charges that it was a boondoggle, our trip had two basic serious purposes: to discuss with the officials of their survey and mapping organizations the plans and programs they have laid out for the next several years and give them our opinions concerning the ability of their systems and equipment to carry out those programs; and to describe for them those technical areas where DMA has found the use of automated systems to be beneficial (and where we have found them not beneficial) together with some examples of the kinds of equipment and systems DMA has or is developing. The countries we visited were Mexico, Colombia, Venezuela, Chile, and Brazil. I also took a side-trip to Peru because of a long-standing desire to see the Inca capital of Cuzco and the Inca "lost city" of Macchu Picchu.

Anyone who thinks that because some Central and South American countries may be less industrialized than we, therefore, their technical organizations are probably primitive by our standards, is quite mistaken. Venezuela has been using analytical aerial triangulation for several years and now has mag tape units linked to several comparators for faster entry of data to their computer; Colombia has bought a Gestaldt orthophoto-mapping system and is moving into digitized cartographic data bases; Mexico has plans for a digitized natural resources data base covering the whole country; Chile has been producing orthophotos for several years and uses an AP-C (commercial version of our AS-11) for analytical triangulation. The Chileans are hard at work on a 1:50,000 map series covering their whole country. In all cases, we met, and were very much impressed by, the imaginative, aggressive, and usually young people who plan the work, and who run the systems, and we could not possibly have had more friendly or hospitable hosts. The side trip in Peru was great. I shot up six rolls of film; traveled by plane, train, bus, mule and on foot; and saw the headwaters of the Amazon River (which I hadn't realized begins in Peru). I also had a seven hour plane layover in Rio which gave me time to do a terrain analysis of the beaches. Those string bikinis are literally out of sight.

The trips left two principal impressions: first, there really is a survey and mapping "community." Three guys from the States, one of whom spoke broken South Texas Spanish, another who speaks Panamanian Spanish, and a third who speaks only the St. Louis version of English, were able to communicate with people who spoke Castillean and Portuguese — because of an intense mutual interest and desire to understand one another. Second, the U.S. has no "corner" on the brain market. Our Central and South American neighbors are talented, aggressive, imaginative people. If you should ever have the chance to be in these countries for any length of time, I suggest you look up some of the organizations and get to know their people. You will find it professionally rewarding and much more interesting than you might expect.

## Hedrick Goes West

TSgt Harry E. Hedrick was assigned to DMS for four years and during that time he was in charge of the Quality Control Program. Hedrick started the program when it was released from the Engineer School.

TSgt Hedrick designed our present feedback forms and had an excellent return on the mailout forms. The constructive comments from the students and the careful handling of those comments by TSgt Hedrick has resulted in a more efficient School.

Hedrick will be assigned to Fairchild AFB in Washington (state), where he will be a Squadron Training NCO. He assures us he will send some pictures of his fishing trips so we all may envy his new found land.



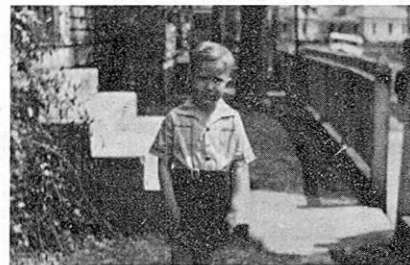
*Mr. Christ performs the honors at a going-away party for TSgt Hedrick. The party featured a cake baked and decorated by none other than SGM Locke.*

## MYSTERY PERSON



A rich princess? Well, at least in the money! And that outfit must have taken a hunk out of her mommie's household budget. She's all the sweetness that everyone looks for in a little girl, but alas, the supply hardly ever meets the demand. Oh, by the way, this princess now has a king.

ANSWER TO 12 AUGUST MYSTERY PERSON



Born in '37 (brand new '39 auto and picture taken at about 2 years) in West Virginia (those country roads used to take him home), his hair isn't always neatly groomed (not a bald joke) but then, he's so big who would mention it? (This photo taken at six months.) It took an Ellery Queen type to ferret out the two really "key" clues. "To illustrate the point..." was one and then the hidden last name was a bit tough. Surely you must have wondered at the single "How?" and what part it played in the clues. "The tilt of the head" was a distraction, but "those cute little chins" was not. Big John Houchins, who resides in PRT's Graphics Shop does indeed illustrate and certainly must have had a "Head Start."

# DMATC TOURNEY HELD

by Bill Sutton

On the morning of 1 August at oh-dark-thirty hours there assembled a group of DMS personnel in back of Building 214. These brave individuals were headed north to participate in a golf tournament sponsored by DMATC in honor of COL Cordova's retirement.

Our convoy arrived at the Brooke Manor Country Club in Maryland at about 0800 and began immediately to prepare our plan of attack on how to beat this tough eighteen hole course.

The first foursome of Lt Col Westphal, LTC Radu, Mr. McCullough, and SSG Paul Lynne were making plans to find the shortest route around the course so they could be first at the buffet table.

Our second foursome of CPT Jim Hey, MGySgt Bill Sutton, SSG Rick Beebe, and John Houchins had little trouble in making their plans. Under the leadership of CPT Hey, they found out where the barrels of liquid dynamite had been strategically placed on the course.

The objective of our other foursome was to negotiate all the hazards left on the course by the second group — beer cups, and huge craters left after each swing by John Houchins. This was a serious group that tried to win all the prizes offered. The foursome was made up of TSgt Bill Hudak, SSgt Jerry Eaton, SFC Bill Luke and SFC Karl Abt.

After five hours of hacking and struggling to make birdie, par, bo-

gey, double or triple bogey, or whatever else there is to get, all the action ceased and everyone converged on the Club House. Because of the shotgun start where everyone started on a different part of the course, it took some groups longer to get in than others. But it was no surprise to see that the first group of DMS golfers had already been through the buffet line and were enjoying the fine array of cold cuts, beans, and salads. Needless to say, the second foursome from DMS was about the last group in. Bill Sutton complained about how his cart didn't have any traction because big John Houchins kept tipping the vehicle to his side. CPT Hey and Rick Beebe went back over the course just to make sure all those barrels were empty.

It was a good day for all who participated in the tournament, especially those DMS golfers who won prizes. Karl Abt won five dollars for the longest drive of the day at hole 16 and Rick Beebe won two five dollar awards; one for closest to the pin on the second hole, and another for his low gross score in the second flight. Mr. Mac and John Houchins each won a new ball for their blind bogey scores.

In honor of COL Cordova, Lt Col Westphal presented him with a trophy along with DMS's best wishes for continued success.

To all who missed this fun day, a reminder is offered about the DMS tournament on 9 September at Woodlawn Country Club.

# Suggestion Award Winner

Amidst a cheering throng of fellow students and co-workers, SSG William E. James of Carto Compilation Division was recently honored for successfully penetrating the rigid class barrier that separates those persons who have had suggestions adopted from the multitudes. The ceremony took place in the Terrain Analysis classroom, where SSG James is presently occupying his time as a student. On the 5th of August, Lt Col Westphal made the presentation of the Certificate of Commendation for Suggestion and a check for \$20.00. SSG James suggested that the mailbox at the Ft Belvoir Post Office be relocated so that a dangerous traffic condition could be alleviated. Congratulations SSG James and keep sending us your ideas.

## answer to brain teaser

You El Terrifico's already fingered this one out, and yes, there are two correct answers:

- |    |                         |                 |
|----|-------------------------|-----------------|
| 1. | 88 sheep at 50¢ each    | \$ 44.00        |
|    | 2 cows at \$3 apiece    | 6.00            |
|    | 10 horses at \$5 a head | 50.00           |
|    | <u>100</u>              | <u>\$100.00</u> |
| 2. | 84 sheep at 50¢ each    | \$ 42.00        |
|    | 11 cows at \$3 apiece   | 33.00           |
|    | 5 horses at \$5 a head  | 25.00           |
|    | <u>100</u>              | <u>\$100.00</u> |



Dale Cuave inspects malfunctioning equipment.

## OSIR's Dale Cuave Promoted

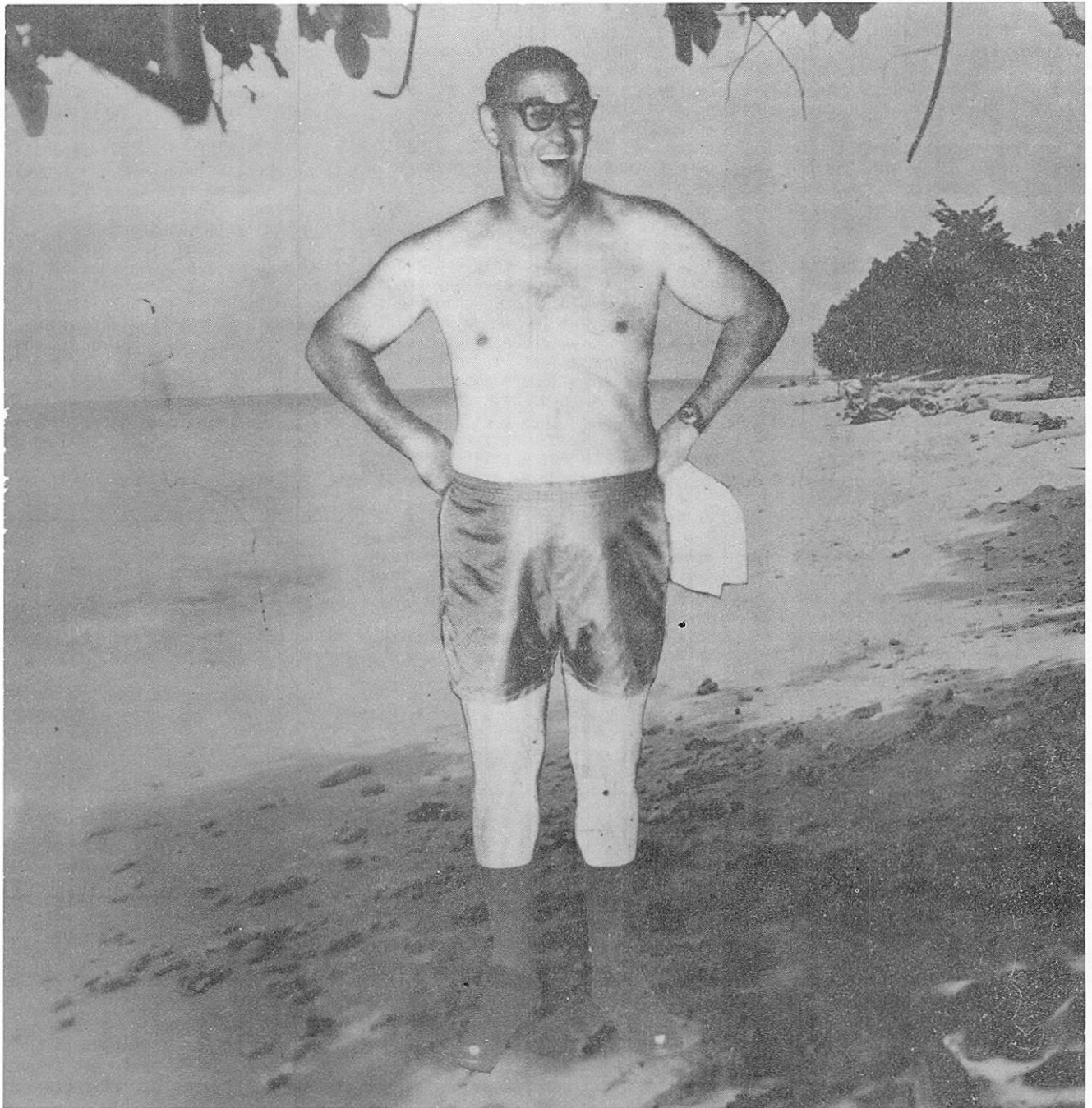
Another one of DMS's products has made good on the "outside": Dale Cuave was promoted to GS-7 Training Instructor effective 7 August 1977. Mr. Cuave was hired as a civilian OSIR training aide in September 1974, after having served as a military instructor from April '73 to August '74. Mr. Cuave also attended AIT here at DMS in the winter of '72 - '73. Everyone in OSIR offers congratulations, Dale.



C'mon, youse guys! Da Sixth Annual DMS picnic is tomorrow, already! Youse what ain't got yer tickets yet better getcher bods over ta SGM Locke in Bagley Hall P.D.Q. and A.S.A.P. an' fork over yer bux! Whazzat ya say? Hey....sure yez can buy yer tickets at da door, but why ya wanna wait 'til all da good seats is gone? Do yez think I would give yez a bum steer? This thing is a sure winner!

The Picnic Fund was generously bolstered in the past few weeks by the recently promoted members of DMS, namely WO1 Moore (now with MERADCOM) and LTC Shane, who felt there was "no better way to have a promotion party." Thanks, guys.

## DMS WORKMATE PINUP



## OLD DOG LEARNS NEW TRICK

Crusty Nonnemacher, the Troll of Troll Hollow, seems pleased as he performs his newly-learned feat, SMILING, while simultaneously revealing his knees to the world. If you look carefully, you can see that which he and Mrs. Burke have in common.... Mr. N. also amazed beachcombers with his "cool" demeanor and fashion consciousness: he's wearing green socks to match his swim trunks. Look out, Mark Spitz!



# CONTOUT

PICNIC PIX  
See page 8...

VOLUME 4 NO. 18

DEFENSE MAPPING SCHOOL

9 September 1977

## "Bats in Belfry" Theory Conclusively Proven

by Lynne Manov

Some inhabitants of Wheeler Hall have long suffered under the suspicion of having stepped across that thin line between normalcy and raving lunacy and are well into the realm of madness, justifying their description as "batty." This veil of uncertainty has finally been lifted. It is no longer a suspicion but a demonstrable fact.

There are bats in Wheeler Hall. According to our unpaid volunteer cub reporter, Louise Voelker, two or more of these winged mammals have been sighted fluttering from one end to the other of the first and second floor hallways. The bats stalwartly resisted eviction attempts, evidently preferring the fine academic atmosphere of the dark hallways to the more illuminated exits. At last report, they were still successfully evading would-be captors and by now have probably begun roosting in the raf-

ters in preparation for mating season.

Mrs. Voelker has extrapolated three theories for the sudden appearance of these nocturnal creatures. Theory A has it that energy conservation in Wheeler's hallways is practiced so wholeheartedly that the bats feel quite at home. Theory B relies upon the assumption that some of the Big Wheel visitors to DMS are so batty that they had some to spare when they met in Wheeler recently to view a demonstration of the JMR 1 satellite doppler positioning system. More credible is Theory C, which holds that when Mr. Moore, that well known former DMS person, crept back from MERADCOM to retrieve some forgotten item from his now-notorious Bat Cave, he inconsiderately allowed some of his former pets to escape.

With Zero-Base Budgeting in effect, one happy solution to this macabre situation could yield unexpected benefits for OBS. What with

both spiders AND bats on the loose, we could, for a respectable fee, rent Wheeler Hall to a local civic organization for use as a House of Horrors on Halloween.

## TSS UPDATE

by Wilbur McCullough

The US Army map reproduction elements are starting to take on a new appearance. Old self-contained moving vehicles are being exchanged for thirty-foot trailers; certain major items of equipment are being replaced; mission requirements are unsettled; and TOE structures are in a state of flux. All of this indicates that the new Topographic Support System (TSS) is coming of age.

The active Army reproduction elements have received their new Harris offset presses. These high speed presses appear to be working out well in Topo units and as far as we can learn, most users are happy with the presses. However, some eighteen months ago, DMS raised certain questions concerning the size of the module in which the press is housed, and others regarding the need for the alcohol dampening system. MERADCOM has taken positive steps on the isopropyl alcohol solution and is studying the modules problem. DMS had asked MERADCOM to study this problem of having the modules 30 feet long and with expandable sides. Reproduction Warrant Officers might study this situation and let the US Army's equipment procurers at MERADCOM know about the operating efficiencies within their modules.

The next item of TSS equipment to be issued was the process copy camera. By the way, the items of equipment selected for TSS are to be "CNDI" (commercial nondevelopment items). However, DMS feels that certain functional capabilities

See UPDATE, page 5





Wasn't that a great picnic? The Wintz brood all had a marvelous time, and it seemed as though every body else did, too. The warmup sports events took an unusual twist in their variety of organization. The horseshoe pits were the scene of major litigation and judicial interpretation every sixty seconds, while volleyball competition balanced all of the cultural structuring by operating under a single rule: The majority of players on a given side of the net shall be from the team defending that side. The mixture of DMSers and kids in both events was a particularly enjoyable group. I had time to wander over to Mr. Shaw's efforts with the Junior Set just in time to see Gunny Williams' boy break the tape in the 15.264 meter run. Things were going very smoothly, and if the volume of hollering is any measure, successfully.

After an experience factor of three picnics, I've noticed that it is really the NCO's who keep things running and running well. Now, there's no denying that our officers work hard, particularly in the preparation stages (special thanks go to Don Faxon), but on the day of the picnic they are reduced to wandering around with rule lists, programs, and lineups. It's the Hudaks at the refreshment stand, Lockes with the door prizes, and Vances laboring at the grill who keep people fed, watered, and entertained. Nobody has a finer group of Non-commissioned Officers than DMS, and that's just a plain fact.

About the Officer-NCO softball game: Some senior Officers have been noticed sidling up to Sergeants in the days following the picnic and sniggering loudly, or pointing fingers and making derisive noises. Such behavior is distinctly ungentlemanly and brings no credit to DMS or the Officer Corps. After all, our NCO's put up a great

battle, and it could have gone either way.  
Tee hee.

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## From the Editor

You may notice a blank space in the Mystery Person slot this week. I've found that this is considered by most readers to be the most enjoyable feature in the CONTOUR, but its existence does depend on whether or not we get sent a picture! We can't use Mrs. Burke (who has the most complete scrapbook I've ever seen exhibited by anyone over the age of 15!) every week, you know! So how 'bout it? Write your mothers, siblings, grandparents, old friends — someone has got to have a photo of you in your younger days! Just send it to the Editor in a sealed envelope — or hand carry it — with a note as to the identity, and our Mystery Person sleuths, SGM Locke and Mr. Harnden, will concoct some tantalizing clues and an amusing solution. (Personally, I was a second child, and my mother used up all the film on my older sister, one of the better documented children of the 20th century. She had no film left for her youngest, besides which all those once oh-so-cute

tricks had lost their appeal. What is YOUR excuse?) Give us a hand, will ya'?

One more thing. A big thank-you to the Deputy and Mr. Cook for their contributions....I was afraid I couldn't even fill up four pages, and they came through with some interesting, well-written, and long! submissions for me. Next time I tell them I'm short on copy though, they'll probably tell me I'm like the boy who cried "WOLF!"

A yearly favorite of lazy editors who are always looking for an easy way to fill up the paper, THE PICTNIC PHOTOSTORY, is in this issue. If I caught you with your mouth full of hotdog and beer dribbling down your shirt, or in any other sort of unattractive pose, RELAX! It's all in good fun, and if you peruse thoroughly, you can probably find one of your worst enemies looking equally foolish.



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## MG Martin Takes Over as DMA Director

Major General Abner B. Martin (US AF) has been appointed to succeed VADM Shannon D. Cramer, Jr. as Director of the Defense Mapping Agency.

General Martin was born in Fairforest, SC, on May 25, 1927. He attended Clemson College for 18 months and then transferred to North Carolina State College where he also served in the Army Enlisted Reserve Corps. He received an appointment to the U.S. Military Academy, West Point, NY, and graduated in 1949 with a bachelor of science degree in military engineering and a commission as a second lieutenant. He has a master's de-

gree in international affairs from the George Washington University, 1965, and graduated from the Advanced Management Program of Harvard Business School, 1968.

He completed flight training in August 1950 at Randolph Air Force Base, TX, and remained there for two years as instructor and flight commander in the Air Training Command. From June 1952 to June 1954, he attended graduate school at MIT, under the Air Force Institute of Technology program, and earned his master's degree. From June 1954 to February 1958 he was assigned to the Air Force Armament Center, Eglin Air Force Base, FL, and participated in the test of guidance and fire control systems. He also was associated with aircraft armament problems and in 1957 was armament test project officer for the F-105 aircraft.

In February 1958 General Martin began an eight-year association with the Air Force Ballistic Sys-  
See MARTIN, page 5

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The Defense Mapping School Contour is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

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Editor, Contour, Defense Mapping School, Fort Belvoir, VA 22060

Director: COL Edward K. Wintz

Editor: Lynne Manov

# Admiral Cramer's Farewell Message

This is my last opportunity to address all my DMA friends and coworkers, and I must confess that I wish the time had not come so soon. My time as your Director was the fastest three years of my entire 37 years of service in the Navy. Time flies when you enjoy what you are doing, and the rapidity with which my service as the Director of DMA flew by speaks for itself.

As we look over the time from September 1974 to August 1977, we can see many good accomplishments that together you and I have brought about. The Defense Mapping Agency is a professional organization doing a vital job for our Nation, and I firmly believe that the last three years have seen innovations and changes that have helped make us more professional and more efficient. People that I have associated with used to ask, "What's a DMA?" The outstanding products and superior services that this Agency provides are coming to be known for what they truly are — a vital part of our national defense and an indispensable aid to navigation of commercial vessels in waters outside our territorial waters.

Recent developments in our national defense posture — particularly with the emphasis being placed on the cruise missile by our Commander-in-Chief — mean new responsibilities and heavy obligations for the people of DMA. Exciting new programs that are just around the technological corner will make further dramatic demands on you. I go, knowing that General Martin is inheriting a fine organization made up of dedicated people. You may be sure that I will maintain a keen interest in your progress in the coming years as you are confronted by, and overcome, ever new challenges.

I wish you "fair winds and a following sea."

Vice Admiral Shannon D. Cramer, Jr., USN

# Jewish High Holy Days — Rosh Hashanah and Yom Kippur

Jewish High Holy Day services for Rosh Hashanah and Yom Kippur will be conducted world-wide by Jewish chaplains for Jewish U.S. Service personnel at more than 500 overseas and stateside military and naval installations, as well as for Jewish patients in Veterans Administration facilities across the United States.

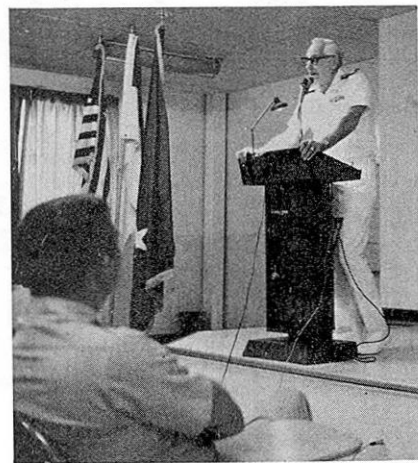
Rosh Hashanah (Rosh meaning head, Hashanah meaning year) marks the beginning of the new year according to the Jewish calendar. The two-day holiday begins ten days of penitence which culminate with Yom Kippur, the Day of Atonement. Rosh Hashanah commences on the eve of the new moon of the Jewish month Tishri. The Holy Days are spent in prayer and study of the Torah (five books of Moses), with reflections on one's deeds of the past year.

On Yom Kippur, the final day of the penitence period, the worshiper spends the day in the synagogue, fasting and praying for forgiveness of his sins and those of all the children of Israel. After sunset on this day, the Shofrot (ram's horn) is blown for the last time, announcing the end of the Holy Days and the sealing of the Book of Life for another year.

This year, observance of Rosh Hashanah begins before sundown on Monday, September 12, and ends at sundown on Wednesday, September 14. Yom Kippur commences before sundown on Wednesday, September 21 and ends after sundown on Thursday, September 22. These High Holy Days mark the beginning of the Jewish New Year 5738.



Vice Admiral Shannon D. Cramer, Jr., recently retired DMA Director, honored the Mapping, Charting and Geodesy Officer Course 3-77 with his presence as speaker on 23 August. It was VADM Cramer's last official visit to DMS. At a retirement party on 1 September, he was presented a beautiful watercolor portrait and cartoon history of his relationship with DMS, designed and executed by our talented John Houchins.





by SGM Bill Locke

The song that goes, "You can trust your car to the man who wears the star...", has a lot of truth in it, because Fort Belvoir troops are flocking to the PX Service Station. Just what part does Texaco play in the Service Station story? They only furnish the petroleum products, according to Bob Martin, Chief Supervisor, and, of course, process credit card sales.

The station manager, Mr. Kenneth Updegraff, brings some 20 years of AAFES experience and talent to Fort Belvoir. Having served also at Cameron Station and Fort McNair, Mr. Updegraff says Belvoir is the best. Despite the fact that we have a busier station, and bigger, it's easier to run, says Mr. Updegraff. He contributes this to the fact that Fort Belvoir is "Army", a higher percentage of customers are "troopers" and he's an Army veteran and knows how the troops think and what they want.

Our Service Station differs from most "outside" stations primarily in the area of provided services. Because of the PX Garage concession, the Service Station can only perform those services more or less traditional to this type establishment, e.g., oil changes, lubrication, replace fan belts, fix tires, etc.

Staffed by over 30 people (approx half and half full and part-timers), the station does a booming business. Now if you doubt that, just make an appointment for a lube job and see how long you have to wait. This is certainly not a "shot" at the exchange, but used to illustrate that they could probably double their volume of "service" business given the space and the people.

This interview, as all of the past ones, provided information of

which I was unaware (I'll have to stop writing this column before I develop the "mushroom syndrome"). In this instance it was the method of setting gasoline prices. Every two weeks, personnel from Fort Belvoir travel into the surrounding community pricing gasoline at the "nearest 20 stations." The "average" price thus obtained for both full and self-service is then used to set our prices. Self-service gasoline is priced no higher than equal to the average or no more than two cents below the average. Full service is then set at no less than two cents or more than three cents below the surveyed average for full service. This pricing is done in order to maintain prices at a level which offers a reasonable savings to the customer while staying within FEA established guidelines. Analyze this simple method of pricing and you realize you've exploded the "no state tax on PX gasoline" myth. This survey is the means by which every AAFES Service Station sets gasoline prices, and explains why prices fluctuate from station to station in the metropolitan area. Labor costs are set in a similar fashion. Although Belvoir conducts the survey (in this instance yearly), the Area Exchange sets the prices.

As with any other service station, the pumps are inspected every four to six months by State inspectors checking for both proper measure and octane. If you haven't noticed, you can look at the face of the pump and see both the inspection sticker and octane/pricing criteria.

The recently offered tire recapping service is turning into a tiger according to station management. Expecting a small volume of business at first, it turned out to be a full grown gorilla at birth. If you're looking for some of the more popular sizes, you may have to wait a while, as casings for some sizes are in short supply by the contractor. Got a hot tip from Bob Martin that I'll pass along. If you've been thinking about retread snow tires for this winter, stop thinking and buy them now. If you wait around, it may be spring before they come in — just in time to put on your car after it's hauled out of the snow bank where it was buried for lack of proper tires. Beat the rush!

So there it is — everything I never knew but am glad I found out. Is there something about AAFES you'd like more info on? I'm looking for topics, and this column is supposed to serve you, so suggest already.

See GAS, page 5

## MARTIN...from page 2

tems Division, Air Force Systems Command, at Inglewood, Los Angeles, and Norton Air Force Base, CA. He managed the development and procurement of guidance systems for the Atlas and Titan missiles and served as Chief of the Airborne Integration Division in the Minuteman Systems Program Office with additional duty as Director of the Minuteman Mark 12 Program. He attended the Army War College, Carlisle Barracks, PA, from August 1964 to August 1965, and in 1965 earned his master's degree in international affairs from the George Washington University, Washington, DC.

In early 1967, General Martin spent approximately five months as Air Force Systems Command liaison officer in the Republic of Vietnam. From August 1967 to January 1969, he served as Director of Technical Operations, Deputy for Limited Warfare in the Aeronautical Systems Command, Wright-Patterson Air Force Base, Ohio. During 1968 he attended the Advanced Management Program at Harvard Business School. He was appointed Commander, Air Force Armament Laboratory, Eglin Air Force Base, FL, in February 1969.

General Martin was appointed Deputy for Reentry Systems for the Space and Missile Systems Organization (SAMSO), Norton Air Force Base, CA in August 1970, and became Deputy for Minuteman, SAMSO, in August 1971.

General Martin was assigned to the Aeronautical Systems Division, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, as the B-1 System Program Director in January 1974, in which capacity he served until his appointment as DMA Director.

His military decorations and awards include the Distinguished Service Medal, Legion of Merit, Bronze Star Medal, Air Force Commendation Medal, and the Army Commendation Medal. He has the aeronautical rating of command pilot and wears the Master Missieman Badge. He is the author of papers on technical matters and international affairs.

General Martin is married to the former Agnes M. Smith. They have three children: Alan, Dan, and Melanie.

He was promoted to the grade of major general effective April 24, 1974, with date of rank 1 July 1971. On 22 August 1977, Secretary of Defense Harold Brown announced that President Carter has approved the nomination of MG Martin for promotion to the rank of Lieutenant General.

## GAS...from page 4

DID YOU KNOW? The Service Station sells 100-125 batteries a month? What a charge!

The Service Station is looking for part-time help. Call 781-7060 for info. Minimum starting wage is \$3.04 and you ought to plan on working 30 - 34 hours a week. Your exchanges is an EOE.

## JUNK NOSTALGIA

by Rick Hardwick

My desk has never been the pride of the Photolith office. The clutter is reminiscent of a sanitary landfill — or Mr. King's desk top — leaning towers of paper, rolled and rubber banded negatives, wrinkled supply requests, last month's Form 13, eight empty matchbook covers, three stack-a-drawers containing miscellaneous memos, and two half empty coffee cups. Disgusting.

Over the years I have developed the habit of cleaning the desk top every Friday evening, whether it needs it or not. For the first month it was easy — merely open the desk drawers and shove everything in — except the coffee cups. Those I saved for future reference.

Needless to say, my empire soon expanded. I had annexes in file cabinets, rented space in Mr. Jacob's desk, the top drawer under the coffee pot, and in cardboard boxes nesting on the foot bar under my desk.

Today is the last time I'll have to "clean" my desk. On several occasions the thought of actually cleaning and organizing did cross my mind but the option of finding alternate annexes was always easier. The only saving grace is that I'm not retiring to be faced with 30 years of clutter. That computes to 1,560 Fridays worth of desk tops.

Nevertheless, five years of cluttered desk tops amounts to 260 Fridays and is equal to the sum of 12½ trash bags. Although it was a two-day task to complete the cleaning process, the experience proved to be well worth it in terms of nostalgia. While sifting through desk drawers, file cabinets, and cardboard boxes, I found a biography of clutter: a graduation photo of a lithographic stripping and plate-making class (the private in the middle is me), orders for Germany, orders cancelling the orders to Germany, a picture of COL Kurtz, one Spec 4 chevron with a broken pin, a Xerox copy of Army separation pa-

pers, twenty-two Form 171's, a rare photo of Mr. Bishop, a necktie with fixer stains, a four year collection of Montgomery College catalogs, travel vouchers from New York to California, and a graduation program of the first class to graduate the Basic Photolithographic Processes Course.

The desk is clean, the cabinets are empty, and the cardboard boxes are gone. I've kept one box of clutter, five years of memories, and most valuable of all — a lot of people I can call friends.

*Ed.'s note: Rick is leaving DMS today for bigger and better things as a sales representative for Washington Printing Supply. His calm, sure manner and smiling face will be missed, but he'll be back frequently to peddle his wares, so maybe we won't miss him quite so much. I do wish, however, that I had found out sooner how well he can write!*

*The roving camera caught Clayton Jerome Kruck II in the act (kid napping?) at the Picnic. Cute, no?*

## UPDATE...from page 1

ties of CNDI equipment should be built into them by the time they are purchased. These capabilities will allow equipment operators to produce photographic film products that are up to established military mapping standards. DMS and the 30th Engineer Battalion (Topo) have used and tested the selected copy camera for TSS and found that it cannot be used to produce photographic products that meet close tolerance mapping requirements. This then leaves us with a question: What will the field units do for a camera? TROSCOM has sent three new GI type cameras (consolidated) to Tooele Army Depot in Utah. These cameras will have minor modifications and adjustments made to them, to include a new lighting system. The three modified cameras will then be used to fill the immediate need of specific units.

People from MERADCOM and ETL will study what type of copy camera will be secured for the modernization of TSS. Foremost in our minds here at DMS, with the inclusion of these three new GI cameras, is: What is the availability of repair parts? Will manufacturers have to tool up to produce these parts? Will these cameras be able to meet the future mission requirements of TSS? Since there will be more cameras needed for TSS, will it be more costly to

## It's the Water

The stork made a flying visit to Mr. and Mrs. Clay Kruck on August 12th, and dropped off a little bundle whose name is Clayton Jerome Kruck II. II made a perfect birthday present for mama Janet, weighing in at 6 lbs., 11½ oz. He will have a fine time of it with his sisters, aged 7 years, and 21 months. As LTC Sprinsky quipped to the new father, "Any product of you and Janet couldn't be a second — he has got to be a first!" Congratulations and Happy Birthday!



produce the GI camera or to procure commercially available cartographic cameras?

There are other thoughts about cameras, but let's talk about the other equipment due for issue to the field in the 3rd quarter of FY 78. Three thirty-foot modules (layout, plate, and photomechanical) will be coming out. The most interesting and talked-about module is the photomechanical one. A new feature will be the addition of an automatic film processor — DMS contacted all topo units in the States and discussed with them the proper location of this item of equipment. This processor will be placed at one end of the module with a dark-room area containing a pinpoint light source and vacuum frame to do the reproducibles. In the gallery area there will be equipment to produce color proofs, scribes, and peels. The layout and plate module remains fairly standard. With the thirty-foot modules there would be room to add two more light tables or even a desk and file cabinet.

Finally, as it has been reported to DMS by MERADCOM, "it will take about two years to thirty months to come up with thirty-foot expandable modules for the presses and cameras ..... There is a program to accomplish this." And that's the latest on the reproduction portion of TSS.

# MYSTERY PERSON



This could have been YOUR picture. How about helping us out, here, already?

ANSWER TO 26 AUGUST MYSTERY PERSON



This cutie with crowned Latin charm  
Buys equipment with nary a qualm.  
Boss of the "Troll",  
More earthy than droll,  
Her temper is viewed with alarm.

No mystery, this princess, we guess,  
Her sweetness she cannot suppress.  
Holds the strings of the purses,  
Our "sense" she disburses —  
Elia Burke, mistress of our OBS.

## award ceremony? grip 'n' grin?

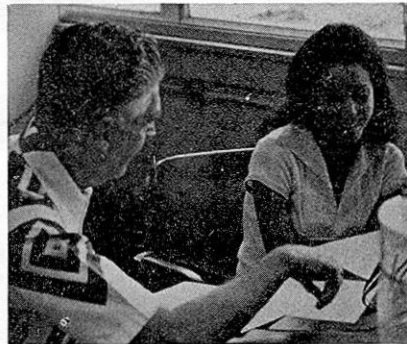
LTC Sprinsky, who has long, far, and wide been known for his mottoes "Practice makes perfect," "Anything worth doing is worth doing well," and "You'll do it over and over until you get it right," gleefully accepts his life membership plaque in the DOMA from Chairman Westphal.



## Reporter Bites (On) Miss Muffett

At least one person out there is reading the CONTOUR! Mr. Jim Sweeney, formerly the Public Affairs Officer for DMA, read the "Miss Muffett" article on Gina Lynch in our 17 June issue, and was sufficiently intrigued to come here to interview her.

Mr. Sweeney is a volunteer "rov-



Gina Lynch reveals the lighter side of Black Widowhood to radio interviewer Jim Sweeney.

ing reporter" for the Washington Ear, Inc., headquartered in Silver Spring, Md. The "Ear" is a non-profit corporation which operates a closed circuit radio service for the blind and physically handicapped, transmitted over the subcarrier channel of WETA-FM.

Gina's occupation as chief spider milker attracted Mr. Sweeney's attention. He felt that "Ear" listeners would also enjoy hearing about the Black Widows. Mr. Sweeney is the only roving reporter in this line of work — collecting interviews with offbeat people during the course of his travels.

A professional writer all his life, Mr. Sweeney has interviewed such luminaries as President Franklin D. Roosevelt and Indira Gandhi. He says he's "addicted" to writing, and is currently taking advantage of the fast market for children's books. The majority of his stories deal with the sea — Mr. Sweeney spent ten years in the Navy and is still an enthusiastic sailor.

## DMS MANAGEMENT TO UNDERGO ANALYSIS

And we've got just the person to do it, too. The "shrink" in this instance is Margie Martinez, who joined the DMS Staff on 21 August. She'll serve as management analyst in OAR.

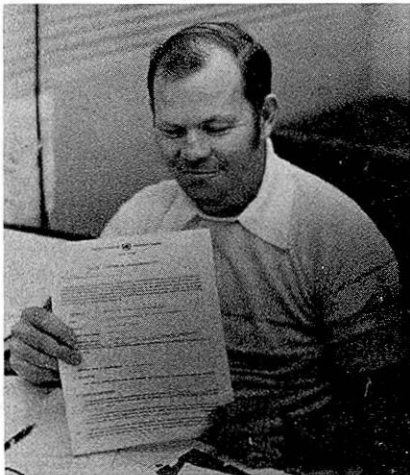
Margie received her management training through the Department of Agriculture, and comes to us from a seven-year stint as management analyst on the Fort Belvoir Medical Department Comptroller's staff.

A Lorton native, Springfield is now home for Margie, husband Marty, and their two sons, Lee, 15, and Mark, 12. Marty is an industrial engineer with the Directorate of Industrial Operations here at Belvoir.

When you figure out what makes us tick, Margie, please tell us. We've wondered for years!



## Doug Wilcox Goes International



*Doug Wilcox proudly displays his Presidential appointment letter to the UN Development Program.*

Survey/Computing Division's Douglas J. Wilcox is on top of the world these days — figuratively speaking. Geographically, by now he's in Port-of-Spain, Trinidad,

fulfilling a long-awaited expectation.

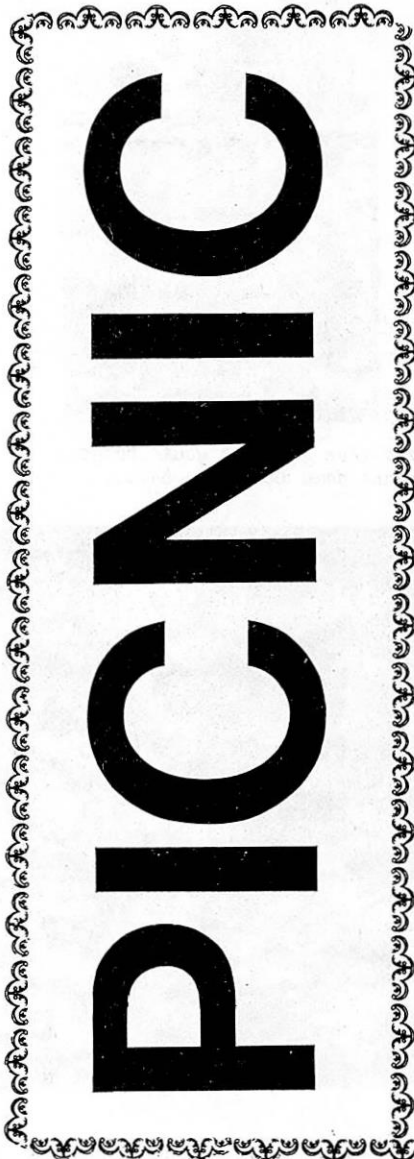
Mr. Wilcox has exchanged his duties as geodist/instructor for an assignment as survey computer for the United Nations Development Program in Trinidad and Tobago. He'll be working under the general supervision of the Director of Surveys as a technical expert to assist the government of Trinidad and Tobago in strengthening its Lands and Surveys Division, a part of the Ministry of Agriculture, Lands, and Fisheries.

Wilcox's new job involves on-site collaboration with experts in the fields of survey computations and adjustments, cartography and photogrammetry, and cadastre and computer based data-banking. He will also have a hand in arranging fellowships in the US, Canada, and Europe for selected technical staff members, and in the purchase of equipment.

DMS will miss you, Doug, but we know this new slot will mean great things for you, and all the faculty and staff wish you the best of luck.



**"Gentlemen, Schmedlap has just broken down his transit in record time. Will someone get him another transit, please."**



PPS

22 August 1977

SUBJECT: DMA/DMATC ANIMAL RUN

TO: Director, Defense Mapping School

1. The officers, ladies (?) and gentlemen (?) of DMA would like to extend an invitation to the Washington area Components of DMA to participate in the 1977 "Animal Run" from DMATC to HQ DMA on 16 September beginning at 1200.
2. The course to be run will be selected by each individual to suit his own desires, the only stipulation being that the runner must start at the flag pole in front of DMATC and finish the run at the observatory gate located by Building 56. Runners may not use the main entrance of the Naval Observatory.
3. The usual rules of the road will apply with regard to marathons, i.e., no biting, clawing, tripping, etc. The special stipulation is that all runners must complete the course on foot; no vehicular assistance is allowed.
4. Runners will make their own arrangements for transportation to the starting point and from the finish to their respective duty stations.
5. No prizes, awards, or medals will be given to those finishing this run regardless of position or condition except that those who complete the course will be officially recognized as Animals. Additionally the runner with the best time will thereafter be known as the maximal animal (to be differentiated from the sluggards and dullards who finish ahead of the slowest or minimal animal). Maximal and minimal animals will be recognized in each of the following age groups:

20-29    30-39    40-49    50-59    60-Infinity

6. Any runner colliding with a car, or incurring other mishaps including maiming or death, will be adjudged a lesser species and will not be accorded recognition as an Animal. Each runner will be responsible for his own health and safety.

FOR ALL THE HQ ANIMALS:

KENNETH I. DAUGHERTY  
Chief Animal

# 6th ANNUAL DMS PICNIC

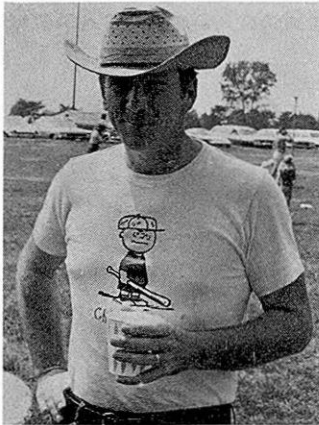
See anyone you know?



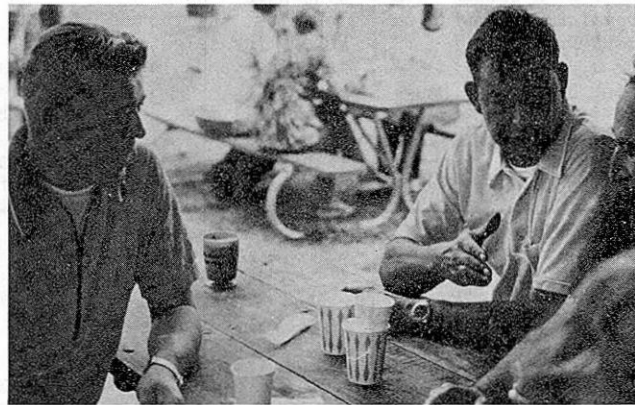
*When you go to a picnic, you head right for the grill line, before they run out...*



*Then you have a chair with some congenial company and stuff your face...*



*and then you wash your burgers 'n' beans down with some brew...*



*and spend some time talking "shop" with your office friends...*

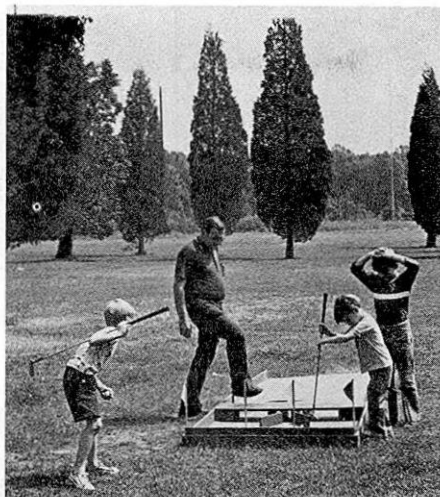


*Next you trot the kids out for a bit of wholesome exercise...*





where there's some rough competition...



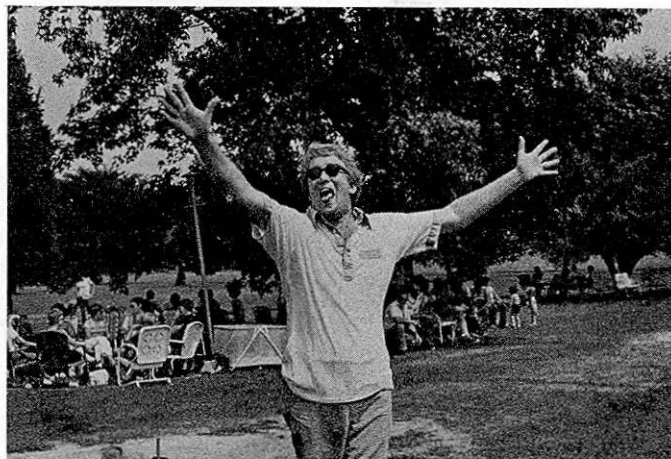
so maybe they'll need a little help with the tougher games...



but they learn early to stick up for themselves.



Meanwhile, you might be able to work off some of those good hotdogs and salads and stuff by pitching a few horseshoes...



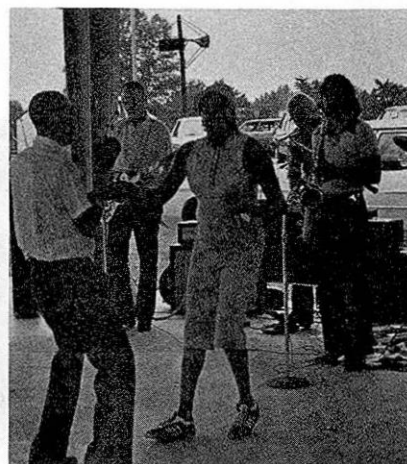
and if you practiced ahead of time you might even get lucky!



And then there were those who were not so adept...



but who had teammates who made up for it.



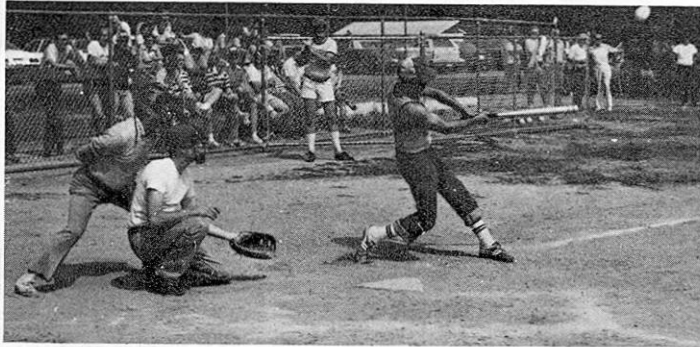
Some of us relaxed with a little jitterbugging...



*before the big Officer/Enlisted softball game. The officers caucused...*

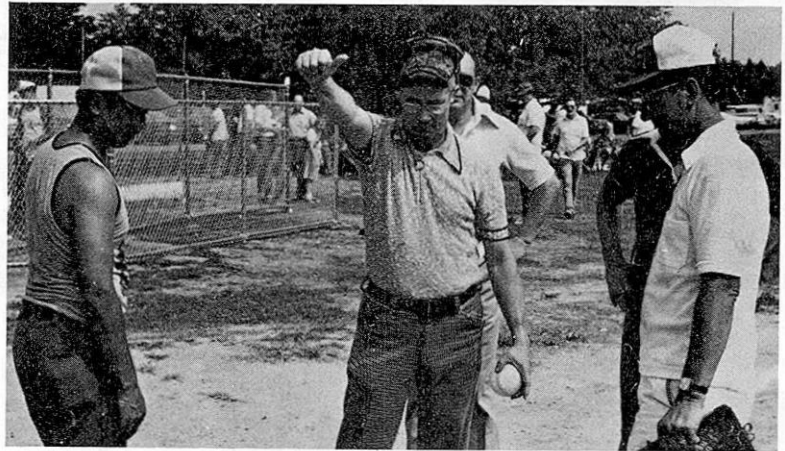


*while the EMs plotted their strategy.*



*We had some hits...*

*the Umpire made some decisions...*



*which the fans didn't always agree with.*



*This year, for a change, the Officers won. Tee hee.*

# CONTOUR

VOLUME 4 NO. 19

DEFENSE MAPPING SCHOOL

23 SEPTEMBER 1977



*Major General Abner B. Martin*

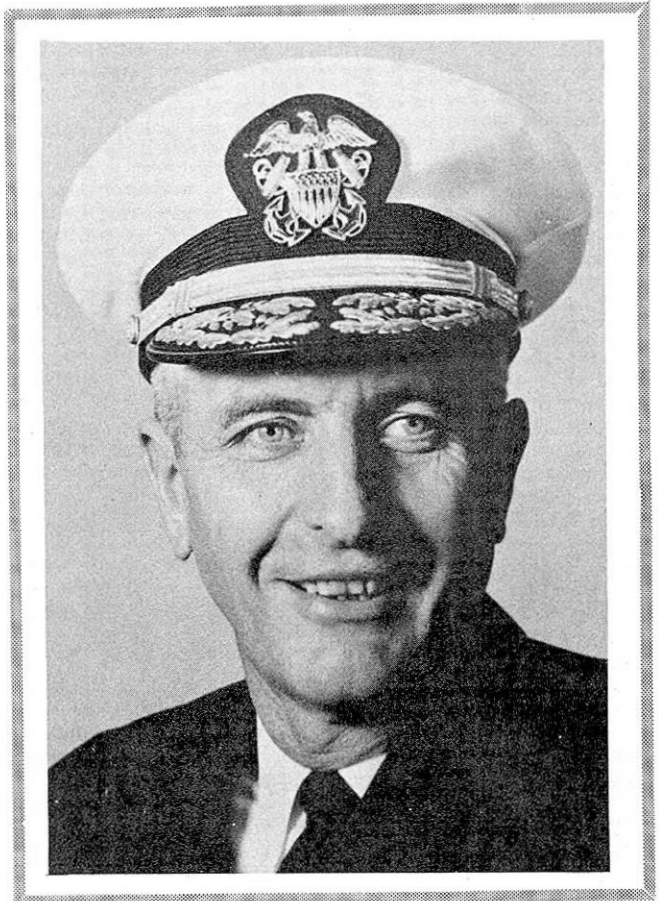
## DIRECTOR'S MESSAGE TO DMA PEOPLE

My first act as your new Director was to tell the Headquarters staff that I am not here to make a lot of changes, but to continue the fine record that DMA has established. I anticipate that any changes which do occur will come in a gradual fashion after I have had a chance to learn what you are doing and how the Agency is going about its job.

In my brief time with Admiral Cramer before he turned over the directorship to me I was impressed with his esteem for the mission and people of DMA. He told me I was getting "the best three-star assignment in the Washington area." Although I have been here only a few days and have had a chance to meet only a few of you so far, from what I already knew about DMA I am

See MESSAGE, page 3...

## DMA Has New Deputy Director



Rear Admiral Robert M. Collins, born in Strawn, Texas, began his Naval career in November, 1942, in the inactive Reserve Program. Upon graduation from Columbia University Midshipman School in December, 1944, he was commissioned an Ensign in the US Navy. He graduated from the University of Oklahoma and the Armed Forces Staff College.

Rear Admiral Collins' first assignment as Ensign was as ASW Officer aboard USS O'NEILL (DE 188), followed by assignment to USS KYNE (DE 744). In following years and through the ranks he served as Executive Officer aboard USS PCE-88, USS PCEC-873, and USS COWELL (DD 547) and as Commanding Officer of USS PCS-1385, USS PCEC-886, USS PIVOT (MSO 463), USS WHITFIELD COUNTY (LST 1169), USS K.D. BAILEY (DDR 713) and USS FOX (DLG 33).

He has also served with the Mine Warfare Evaluation

See DEPUTY, page 3...



## FAN MAIL

As I read the last edition of the *CONTOUR*, it occurred to me that DMS is more than a Service School, more than a government institution related to DMA. I don't know when the thought was originally kindled. However, before I had finished reading all of the articles, the idea was becoming more and more evident to me. The *CONTOUR* is only a bi-weekly publication, authorized by the Department of Defense, but I feel it is more than just a newspaper when it evokes a spectrum of feelings and thoughts that enlighten its readers week after week.

On 9 September, DMS once again hosted our annual golf tournament, this time at the Woodlawn Country Club. Captain Baybrook was the tournament chairman, but, thanks to an urgent Marine MTT requirement on the West Coast, had to turn things over to Sergeant Paul Lynne at the last moment. Perhaps we ought to do it that way all the time; the tournament scoring was the smoothest we've run since I've been here, despite some rain delays. Sergeants Rudy and Dean did their usual fine job in keeping things going behind the scenes, and Captain Baird and Sergeant Batt kept at least some of the prize money in the family.

Another of our NCO's was doing his usual busy thing in the background. Sergeant Gene Cook has a hand in just about everything that goes on at DMS. In addition to his normal Supply Sergeant duties, he can usually be seen scurrying around and keeping things going. It seems to be his lot to always Move Heavy Things. Coke cases, TV recorders, safes, and drafting desks are his bag during teaching or social activities. I know I often ramble on about the quality of DMS NCO's; it's people like Gene that cause this.

The golf tournament was a welcome break in an otherwise intense period at the School. Our PPO is gearing up for the Director's year-end conference, and I have thoughtfully chosen this moment to change PPO Chiefs. As reported elsewhere, LTC Bill "Fingers" Sprinsky has joined TSD as Department Chief, and now regularly grumbles over the thoughtlessness of the Staff. PPO is now headed by LTC Norm Maxfield, fresh from a tour with IAGS. We have already noted an unusual air of civility in our operations center, which will probably last all of two or three weeks. Welcome aboard, Norm, and watch those Vue-graph cues.

In each issue there are vignettes of interest that delight our personnel. Paraphrased, the articles are for the people, about the people, and by the people we work with day after day. What fascinates me most of all is that each publication continues to reveal portraits of our colleagues that we have not seen before. I find myself realizing that our school is full of beautiful, sensitive, and exceptionally talented people. Week after week, we see examples of these things reflected in the *CONTOUR*. We can see the humor, wit and creative talent in every issue. There is another side to the coin as well; our staff also excels in athletic, scholastic, and artistic endeavors. It seems to me that there is no end to the accomplishments of my colleagues.

There exists, here within our little "subservient" community, a wonderful family relationship. When one mentions a family, the connotations are generally good ones and the feeling is a warm, secure one. The 6th Annual DMS Picnic is a perfect example of this family spirit within our organization. There are times when government service is criticized, degraded, and maligned, but our organization abounds with people who are sincere, dedicated public servants intent upon doing the best job possible with monetary compensation being secondary to job satisfaction.

There is no doubt in my mind that most of our staff and faculty are more than qualified for the posi-

tions they hold. They could command a prominent role in any enterprise of their choosing within the private sector if money were their chief concern. Their reasons for remaining in our small family are probably more complex than my simple analysis, but I do believe that pride, dedication, and utmost concern are more important than the public can imagine, because they have never been fortunate enough to work with such a group of people as I do. Thank you, *Contour*, for the refreshing realizations I, and perhaps all of us, sometimes overlook or take for granted.

Wil' Freeze

## From the Editor

Gloryosky! Hallelujah! Calloocally! Chortle, chortle! I have received not one, but two (count 'em! 2!) Mystery Person photograph submissions this week. Not only do I not have to resort to blank "question mark" spaces, but I have a lead time of three weeks in which to corral more MPs for further issues (sigh of relief). My profound thanks to the submitters, who have, by their generous actions, warmed the very cockles of my heart — and gotten me out of a tight spot. (If anybody knows what a cockle is, please let me know.)

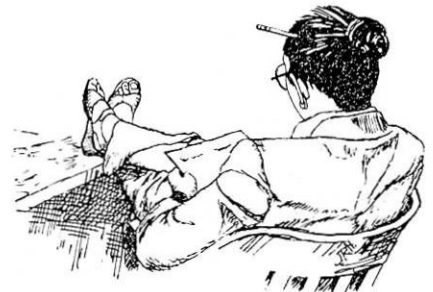
Let me draw your attention, faithful reader, to pages 7 and 8 of our paper this week. Be advised that many long hours were spent devising this Readership Survey for your amusement and my edification. So don't be a schnook, already. Fill it out and send it in. (Non-readers note (if you get this far): An ingenious and rather devious method has been concocted to prevent ballot box stuffing, so don't waste your time, okay?)

Sincere thanks to everyone who gave me an "atta girl" on the last issue. (Wait one — is that supposed to be "atta person"?) All compliments are gratefully accepted but I think I've got the cushiest job in the School — it's so much fun it hardly feels like work!

The Defense Mapping School *Contour* is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency. Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

Address all communication to:

Editor, *Contour*, Defense Mapping School, Fort Belvoir, VA 22060  
Director: COL Edward K. Wintz  
Editor: Lynne Manov



# POLLY BAKER, MOTHER OF MECHANIZED PRINTING

by Arthur Fleshman

Back in the days of the Puritans, Polly Baker offended society's moral standards by bringing five illegitimate children into the world, and was in turn brought to trial for her indiscretion(s). In the process, she made a unique contribution to the birth of mechanized printing.

The trial received a great deal of attention, largely because of Miss Baker's eloquent plea to the members of the Court. In fact, the plea was so eloquent that copies of it were in great demand — such great demand that the printing technology of the day was unable to meet it with an adequate supply.

In response to the public requirement for 100,000 copies, Benjamin Franklin asked James Watt to rig his steam engine to a printing press to accelerate production. This was done, and the rest is history.

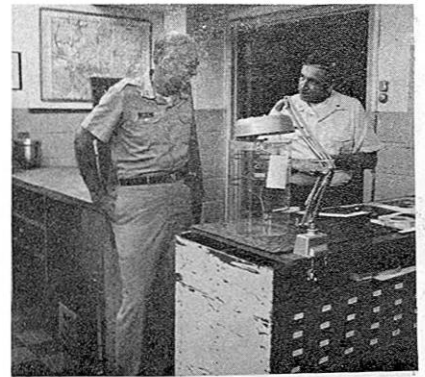
This enlightening historical episode was related to the graduates of Class 502/77, Photolithographic Processes Course, by Doctor Benjamin Strong, Professor of Printing Technology, Montgomery College. Dr. Strong is also one of the instructors for the MC course in Printing

Technology offered here at DMS.

In his graduation address, Dr. Strong also stressed the great opportunities in the printing field today, when new inventions and developments are increasing as never before. Students, he said, should be excited to be entering a field which is a service industry, and not merely a manufacturing process. Printing is the 6th largest industry in the nation and the largest in the Northern Virginia/DC area.



After the graduation ceremony, Mr. McCullough, Chief of GAD, presented Dr. Strong with an Honorary Instructor's certificate.



Major General Kelly, Fort Belvoir's new CG, is fascinated by Survey Chief Maj Millians' explanation of those terrific tour standbys, the famous Wheeler Hall Black Widow spiders.

## LOST

GOLD "CROSS" MECHANICAL PENCIL HAS INSCRIPTION "ACACIA SALES LEADER 1972". PLEASE RETURN TO ARTHUR FLESHMAN, GAD (PHONE 664-6383).

## MESSAGE ...from page 1

convinced that we do have a fine organization and that this Agency plays a critical role as a vital part of our national defense.

As soon as I can do so I will be traveling to visit all DMA Components. At that time I expect to meet as many of you as my schedule will allow. I look forward to getting to know the military personnel and the civilian employees who make DMA a great organization. Together, let's make it even greater!

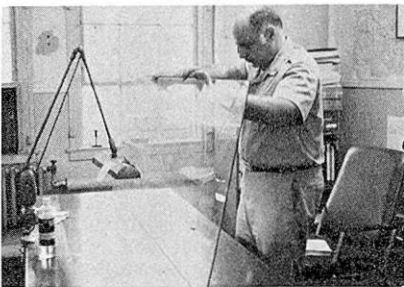
## DEPUTY...from page 1

detachment as Air Laid Mines Project Officer; Head, Officer Education and Training Branch, Bureau of Naval Personnel; Chief Staff Officer of Amphibious Squadron Four; Operations Officer of River Flotilla One in the Republic of Vietnam; Chief of Staff and Aide to the Commander, Cruiser Destroyer Flotilla THREE and Chief of Staff and Aide to Commander Amphibious Force, US Pacific Fleet. He was also attached to Headquarters, US Strike Command. Commander Amphibious Force, US Pacific Fleet and Commander Cruiser Destroyer Force, US Pacific Fleet combined to form Commander Naval Surface Force, US Pacific Fleet of which Rear Admiral Collins served as Assistant Chief of Staff until his assignment as Commander Service Group THREE/Commander Task Force SEVENTY-THREE in June 1975. On 1 February 1976, Commander Service Group THREE shifted homeports from Sasebo, Japan to Subic Bay, Republic of the Philippines. Effective

1 April 1976, Commander Service Group THREE was redesignated Commander Naval Surface Group, Western Pacific.

Rear Admiral Collins' decorations include two Silver Star Medals, the Legion of Merit with Combat "V", and three Bronze Star Medals with Combat "V". Also, two Presidential Unit Citations and two Navy Unit Commendations; earned with the Mobile Riverine Force, the Joint Services Commendation Medal, the Combat Action Ribbon and the Vietnam Cross of Gallantry with Palm. He has also earned many campaign and service medals, including the Vietnam Campaign Medal with six stars.

Rear Admiral Collins and his wife, the former Joy Dobry of Elk City, Oklahoma, have five children, Sam, Nicky, Janet, Mary Ann and Joe.



A small farewell party honoring LTC Sprinsky, late of PPO, new of TSD, was held on 7 September. Impressed by the auspicious nature of the occasion, LTC Sprinsky, having duly considered the attractive alternative of leaving his fingerprints in the dust of ages gathered upon his desk, ultimately decided to "bite the bullet" and do a little fall cleaning. A CONTOUR photographer, on the spot at this hysteric moment, captured it for your edification and amusement. LTC Sprinsky's position as Chief of PPO has been filled by LTC Norman Maxwell.

## PPO HAS NEW CHIEF



LTC Norman R. Maxfield took over PPO on 7 September as the Bald Eagle winged his way upHill. LTC Maxfield comes to DMS from a three-year stint as Project Director for the Peru Project, InterAmerican Geodetic Survey. Prior to that position, he spent 2 years as Plans Officer, HQ, DMA, so he's already got our number. His service with DMS dates back to the days when we were still DIA-MC.

PPO's new Chief holds a BS in Engineering from Cornell University (1950), an MA in International Relations from Boston University (1965), and an MA in Political Science from the University of Maryland (1971). He attended EOBC and EOAC here at Fort Belvoir, and also attended the MA Officers Command and General Staff Course (1971) and the National Security Management Course (Industrial College of the Armed Forces, 1975).

LTC Maxfield's decorations and awards include the Combat Infantry Badge, Legion of Merit, Bronze Star with Oak Leaf Cluster, Meritorious Service Medal, Joint Service Commendation Medal, and Air Medal.

LTC Maxfield and his wife, Mildred, have six children, ranging in age from 26 to 15. Their eldest son, Robert, holds a degree in Oceanography. Charles, a USMA grad, is currently stationed in Europe. David, a recent George Mason graduate, has his degree in Biology. Donna recently graduated from the University of Virginia with a degree in Psychology, and is currently employed by the National Wildlife Federation. Glenn is attending the Clinch Valley branch of the University of Virginia, leaning towards a Forestry major. The Maxfield's youngest is Tara, who is a high school junior.

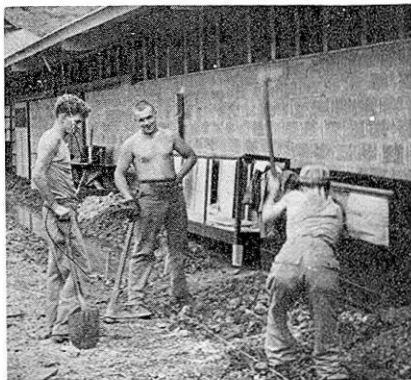
LTC Maxfield and family rejoin many old colleagues, among them Mr. Searfoss, Mr. Bradley, Mr. Maxwell, Mr. Revell, and Mr. McCullough. "It's a small world" certainly holds true in the mapping community, and we're happy to have you in ours.

## Awards Presented To...



Major Robert Millians rests on his laurels — for a while, anyway — after receiving the Meritorious Service Medal for his outstanding service as Commander, Detachment 1, Geodetic Survey Squadron, DMA Topographic Center, Vandenberg Air Force Base, CA, from 1 September 1973 to 30 June 1977.

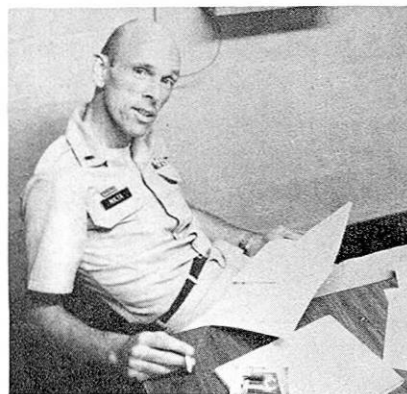
## MYSTERY PERSON



There are workers and there are talkers and our mystery person is probably better known for the latter. But then of course the WPA never overworked anyone. Had this been a Pepsi-Cola plant I'll bet he would have been swinging that pick instead of leaning on it! E-gad, look at that physique! I'll bet that upper torso holds some powerful lungs.



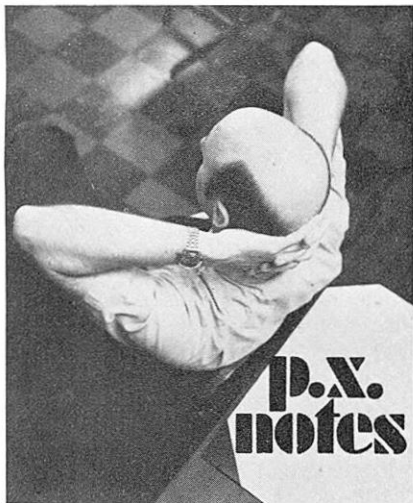
TSgt Richard S. Canteley of GAD is hard at work checking printing products. Before joining DMS, TSgt Canteley served as NCOIC of Base Production Control, Administration Division, 22d Combat Support Group, March Air Force Base, CA. For his meritorious service there from 5 May 75 to 31 May 77, TSgt Canteley was awarded the Air Force Commendation Medal (First Oak Leaf Cluster) at a ceremony in Bagley Hall on 30 August.



CWO Thomas Nolta was interrupted in the course of his daily struggle in SD, his head unswelled by his receipt of the Meritorious Service Medal (First Oak Leaf Cluster). The award recognizes Mr. Nolta's exceptional service while simultaneously serving as Survey Officer and Assistant S2, 41st Field Artillery Group; and Survey Officer, V Corps Artillery, from January 1974 to June 1977.

## P.X. PLEA

Late breaking news — new addition will be stocked soon with fixtures and merchandise. May have already begun. Men's wear will be first. Please bear with us during the added inconvenience.



by SGM Bill Locke

No special feature this issue, but instead an update on what's happening around the Fort, PX wise.

By now you've certainly noticed the turmoil inside the Main Exchange caused by the new construction. It's hard to accept now, I'm sure, but in the end it will be worth the temporary inconvenience. Most affected at the moment is the camera, record and stereo shop, as the offices are being relocated. Despite it all, though, the "team" is keeping it clean, as uncluttered as possible and still managing to display the same amount of merchandise. Please be patient. If something isn't in its usual place, ask and a salesperson will be delighted to help you.

Have you noticed the change in the Main Barber Shop? No "physical plant" changes, but I walked in the other morning (a Wednesday) and there were seven, count them, seven barbers on duty. They were a little sparse last month during a heavy vacation schedule, but aside from that I think there's been a creditable improvement.

If your timing is right, the next time you go to the Cafeteria for a tiger burger, you may win a super stuffed tiger (without the zesty sauce; that's only for the burger). Every 1000th buyer of a delicious tiger burger is awarded one of these furry beauties, so hang in there. If you've been to the Cafeteria recently, you couldn't have missed the top quality, original oil paintings on display. Not only do they add some class to an already classy eatery, but they're also for sale. Take time to go buy.

For the next issue I anticipate an in-depth article on ladies' fashions. I'll (hopefully) be giving answers to such questions as who

picks the line, what latitude is there in purchase price, etc. You won't want to miss it.

By the time you read this, the new Pastry Shop should have been open for about a week with the official opening having been targeted for last Monday. If you've not yet been by they're located in the main shopping center in the vicinity of the barber shop, hair dresser's, etc. All kinds of goodies, not only for home but for the special office party. Cakes for all occasions (special orders accepted), cookies, candies, nuts, doughnuts and some fantastic ice cream straight from the Bronx (I'll bet they have raspberry — hidden joke) made by Häagen-Dazs "since 1921." I can attest to the fact that Häagen-Dazs is the "Creme de L'Ice Cream". I have allready teshted the rom and raishen — boy, whas et smooov. All kidding aside, it really is super. 16% butterfat and minimum overrun insure a rich, smooth-textured ice cream. Made of all natural ingredients (listed on the container, too. When was the last time you saw that on an ice cream carton?) it's truly a "premium" product. Like Chocolate Chip? Well, Häagen-Dazs puts 3 pounds of them in every 2½ gallon container (of chocolate chip ice cream, of course). So, have a cone, pint, quart or whatever, just enjoy.

#### DID YOU KNOW?

PX has some nice world globes for the "back to school" bunch, as well as calculators for that special physics class.

If you can't find ice for your party, the Cafeteria or any snack bar should be able to fix you up.



"Well, I don't think it has as much class as a Change of Command Ceremony!"

## "Aloha" SFC Yelton

SFC Marlin E. Yelton, Jr., departed the "land of the big PX" on 1 September for one of the rougher military assignments on the Pacific island of OAHU. After firmly refusing numerous volunteers who offered to carry bags, baby sit, or hand carry the cat, Marlin bade a fond farewell to D/Carto personnel, took his left-over jelly beans, and headed West.

During his five years with the Cartographic Compilation Division, Marlin vigorously worked his way to the top of Wheeler Hall. His first two years at DMS were spent, literally, working "in the dark" on the first floor. While in the Multiplex section, he enthusiastically taught stereocompilation and extension of control with the 1939 instruments.

One day, Marlin, a vigorous defendant of the Multiplex, got deeply involved in a discussion with Dave Wilcox on the analytical method of extending control with the APPS. After the discussion, Marlin was thoroughly convinced there was a better way. Knowing a good thing when he saw it, Marlin became very familiar with the APPS, and eventually helped teach the system to DMS students.

Being a devoted NCO, and keeping well abreast of the latest cartographic techniques, he was on his way to the top. As the old-timers retired or were reassigned, he knew he would someday be in charge (if he stayed at DMS long enough). This finally happened! Marlin moved to the 2nd floor to become the NCOIC of the newly developed 411-200 Basic Cartography Course.

But, being an ambitious NCO, he didn't want to stop on the second floor. So, for some unknown reason, Marlin moved the Carto/Comp Division to the 3rd floor and became NCOIC and Senior Instructor Supervisor of the Carto/Comp Division.

This is just another example of how far you can go if you apply yourself. Go get 'em in Hawaii, Marlin!

P.S. Carto Division is going to sit patiently awaiting your return from Hawaii so you can take over the "4th floor" of Wheeler Hall.

**The saver's edge.**



Take stock in America.  
Buy U.S. Savings Bonds.

# DMS GOLF TOURNAMENT HELD AT WOODLAWN C. C.

by Bill Sutton

Friday, the 9th of September, brought rain to the local area. It was the first significant rainfall in quite some time. The local citizens welcomed the rain as did all of the people who participated in the 3d Annual DMS Golf Tournament.

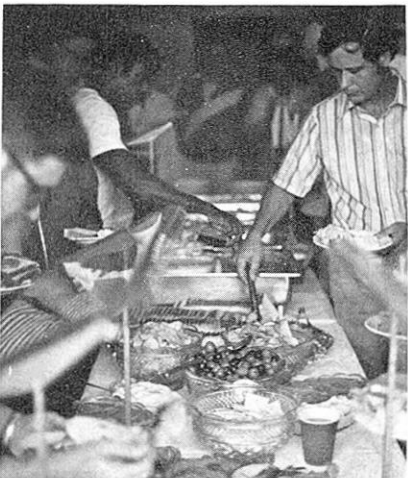
For the third consecutive year, rain dampened the course — but not the spirits of all who participated. As the saying goes, it never rains on the golf course.



*Maybe it "never rains on the golf course" for YOU, buddy, but lemme tell 'ya sumpthin'! If you were really my "best friend," you wouldn't turn me out on a day like this.*

At precisely 0830 the horn sounded and the air was immediately filled with those little white balls looking for the fairway, or the green, but usually ending up in the rough, or sand, or the many unexpected water hazards.

A lot of "oh no's" and "wowees" were heard as good shots and bad were made, together with a lot of get acquainted conversation among the people from the DMA agencies who had not seen each other since our last outing at Brooke Manor Country Club.



*A vast array of "good eats" was systematically demolished by a hoard of hungry golfers.*

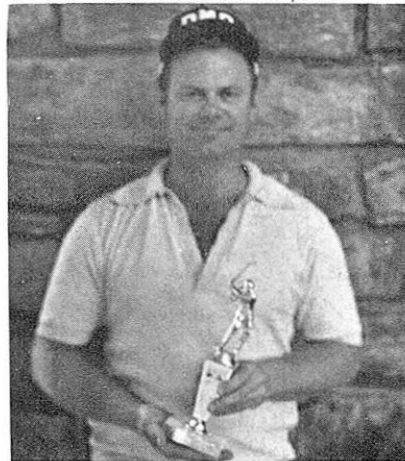
After lunch, awards were made to the following golfers:



*Col Wintz did the award honors with his usual consummate skill, accompanied by Lt Col Westphal's oratory, as MG Martin looks on. SFC Lynne looks as though he just wants to get on with it before all the food's gone.*

Mr. H. Capps of TC won the Low Gross award with a score of 76 and a prize of \$25.00.

Low Net award for the A division went to Mr. Fink of TC with a 70 and a \$10.00 prize. CPT Wayne Baird of DMS won Low Net B Division and received a \$10.00 prize. C Division went to Mrs. L. Johnston and Mrs. C. Bucy. Each scored nets of 71 and received a \$5.00 prize.



*CPT Baird upheld the family honor with his shinny-stick skill. John Batt was a winner, too, but he moved too fast for the camera.*

Longest Drive award went to John Batt of DMS for his clout on hole #4 and Mr. Kiser of TC for his effort on #15. Each won \$5.00.

Closest to the Pin was awarded to Tony Kider at #6 with a shot that ended up 7 feet from the flag. The second award in the category went to Mr. Hanlen with a shot that stopped 5 feet from the hole. These

shots earned the individuals \$5.00 each.

This was Major General Martin's (Director, DMA) first golf outing with the Agency and in his remarks he stated that he was glad to have the chance to meet so many fine Agency people; he feels that he's going to be in charge of a great group of professionals throughout the organization. He also remarked that we should work on rainy days and play golf when the sun shines!

Brigadier General Albro (Deputy Director for Plans and Requirements) played in the same group as MG Martin and Lt Col Westphal, Deputy Director of DMS.

A special word of thanks goes to those involved in the successful operation of the tournament. These included Gene Cook, Bill Dean, Gene Rudy, Paul Lynne, and CPT Baybrook.

## Willis, Goins Promoted



*SFC Gene Willis was promoted to his present rank in a small OAR ceremony on 1 September, attended by his wife and daughter. Couldn't have happened to a nicer guy.*



*PRT's new Master Sergeant, Cliff Goins, gleefully displays his new rank while dispensing the obligatory candy and cigars to promotion ceremony officiants and attendees.*



# FIRST ANNUAL CONTOUR READERSHIP SURVEY

**EDITOR'S NOTE:**

It has come, by a somewhat circuitous route, to my attention that there may be a number of DMS'ers out there in Readerland who are rather less than satisfied by the content and substance of the CONTOUR. I find it hard to believe that these glorious examples of journalism wind up in the round file BEFORE READING! However, in our never-ending quest to please our public, we are soliciting your comments, remarks, and suggestions as to how to improve the paper. When you answer, though, please keep in mind that because the CONTOUR is an "official" newspaper, paid for with Government funds, there are well defined limits as to the sorts of things we can print.

Please circle as many as apply, but not fewer than one for each question.

1. How often do you receive the CONTOUR?
  - a. Never
  - b. Seldom
  - c. Frequently
  - d. Every issue
  - e. Other: \_\_\_\_\_
  
2. Of the issues that you see, do you read...
  - a. All the articles
  - b. Most of the articles
  - c. Only the ones that look interesting
  - d. None of the articles
  - e. Other: \_\_\_\_\_
  
3. Which articles do you read most frequently?
  - a. Whatever's on the front page
  - b. Director's column
  - c. Technical Director's column
  - d. Editor's column
  - e. PX Notes
  - f. Sports news
  - g. Mystery Person
  - h. Personality features
  - i. Technical features
  - j. Other: \_\_\_\_\_
  
4. Try to explain briefly what it is that attracts you to the articles you do read. (Is it the photos? Cartoons? Humor? Bylines? Titles? Subject matter?)
 

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5. Of the articles/columns we already carry which would you like to see expanded or deleted? (Note which you'd like kept and which you'd rather see thrown out.)
 

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6. If you have suggestions for other columns/articles which you'd like to read, please tell us:
 

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7. How do you feel about the largely humorous style

- of the paper?
- a. I like it
  - b. I like some of it
  - c. I don't like most of it
  - d. I hate it
  - e. Other: \_\_\_\_\_

You don't have to answer the next four questions if you don't want to, but to give us an idea of the kinds of readers we have, please try:

8. What is your status?
  - a. Faculty
  - b. Staff
  - c. Temporary or summer hire
  - d. Former a or b
  - e. Interested bystander
  - f. Employee of another DMA Component
  - g. Other: \_\_\_\_\_
  
9. How old are you?
  - a. 18-25
  - b. 26-35
  - c. 36-45
  - d. 46-55
  - e. 56-70
  
10. Sex?
  - a. Male
  - b. Female
  
11. Rank? or Grade?
  - a. Enlisted (junior)
  - b. Enlisted (senior)
  - c. Warrant Officer
  - d. Company Grade officer
  - e. Field Grade officer
  - f. Civilian (GS 9 and under)
  - g. Civilian (GS 11 and over)
  - h. Other: \_\_\_\_\_
  
12. Other comments:
 

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Thank you for your cooperation. We'll compile the results of this survey and report them to you in the next issue, or (in the case of ballot box stuffing) the issue after that. Please be assured that your opinions are valued and will be taken into consideration.

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**FOLD HERE** -----

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**FOLD HERE** -----

Please return to:

**DEFENSE MAPPING SCHOOL  
ATTN: Editor, CONTOUR  
Fort Belvoir, VA 22060**

**STAPLE (only ONE, please!) HERE**



# CONTOUR

VOLUME 4 NO. 20

DEFENSE MAPPING SCHOOL

7 October 1977

## General Martin, Admiral Collins Visit DMS

On 21 September, DMS was honored by the visit of both the Defense Mapping Agency Director, (then) Major General Abner B. Martin, and the Deputy Director, Rear Admiral Robert M. Collins. They toured each Department and staff office; featured below are some highlights from their visit. For a more personal glimpse from "the Inside," read "From the Director," on page 2.



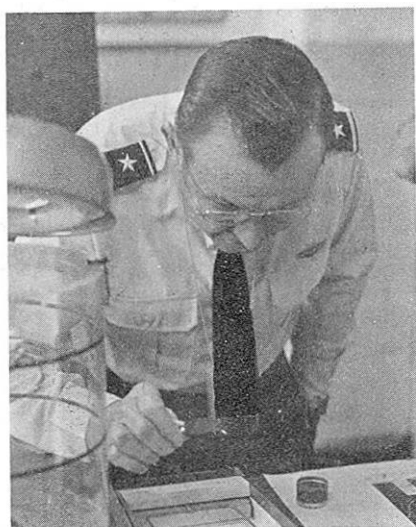
*And the notorious black windows we within the School have all had it up to here with are still an impressive sight for first-time visitors.*



*Survey Chief Maj Millians really gets into his explanation of optical survey instrument equipment.*



*Both our VIP visitors were most favorably impressed by the professional output of Mr. Imagine's Construction Drafting students.*



*General Martin couldn't believe it was true and went in for a closer look at the web collection equipment.*

## MTT: Also a LEARNING Experience

by Maj R. Millians

MTT. "The Weekend Curse." "Home Wrecker." Whatever you prefer to call it, it's a way of life at DMS. My first experience with MTT came on a recent visit to the 1203rd Topographic Engineering Battalion of The Alabama National Guard, Dothan, Alabama. I'm from Georgia, and I felt anything associated with Alabama must be a natural enemy. Consequently, I had some preconceived notions about the Alabama Guard. These notions were, shall we say, less than flattering.

In the very short time we were there, I discovered that I didn't know all there was to know about the Guard. My preconceived notions were dispelled in rapid order and I returned with a feeling I had just visited one of the most professional outfits I had ever seen. These "civilian soldiers" know how to get the job done. When it comes to the Guard, it's all business. If you have the idea they play at being Army, you're wrong. They have a very strong sense of mission and will go to practically any lengths to achieve that mission.

The first thing that strikes a visitor to this unit is the hospitality. You're immediately made welcome and assured that the instruction you bring is needed and appreciated. Every courtesy is offered and they see to it you have the best possible working conditions.

This particular unit has often used the MTT services of DMS and as a result has developed skills comparable with active units. Unit personnel go about their tasks very professionally, constantly seeking ways to improve.

Probably the most impressive factor about the people of the 1203rd is their fierce loyalty. They go to great lengths to express their pride in their unit and the Guard. Active duty people might well take lessons from the Guard in motivation and pride, because they've got it in large doses.

In sum, I'm impressed. I went not knowing what to expect, and came away with a very good feeling. Perhaps their enthusiasm is contagious or maybe I'm easily impressed. Either way, I'm convinced that the 1203rd can perform its mission well and pull its share of the load.

If you're called upon to be part of an MTT to the 1203rd, let me assure you that you'll be well treated and appreciated. Your knowledge and the time you spend teaching will not be wasted. The 1203rd might not be representative of the other units we visit, but they have a lot going for them. I think you will be impressed with their capabilities.



At this writing, we have just completed a very enjoyable afternoon escorting (then) Major General Martin and Rear Admiral Collins through the School. All went well with the exception of an event out in front of Bagley Hall, and therein lies a tale.

The middle entrance door of Bagley is haunted. This particular poltergeist takes delight in confounding the welcoming moments of visits by high-ranking officers, and has assured the passage of these persons through its particular door by slowly and insidiously obliterating the "Use This Door" signs on the two side entrances (ever noticed?). I first became suspicious of the center door when I noticed that the bird's nest in its outside light fixture produced more and messier droppings on the walkway below than those over the other doors. Really a great first impression. Another vital hint to the presence of something unworldly occurs at lockup time in the evening. The two side doors are secured with the flip of a lever, but the lock on the center door has never worked, and security requires ...you guessed it...a great clanking chain.

Overt and discernable symptoms of the specter occurred during a 1975 arrival of Admiral Cramer. All went well; Sergeant Major used the usual welcome mat to cover the bird droppings and the doors were propped open with butt cans. All went well...except for the truck resting on the lawn across the street.

The symptoms became pronounced during General Fiala's visit a couple of months ago. I walked him over the mat and up to the door; mouth's going a mile a minute, mind is racing, and the first briefer is looming in the hallway. And The Door Wouldn't Open! That's the door that won't lock! See what I mean?

Preparations for the General Martin/Admiral Collins visit were done with a little extra attention because 1) a new DMS Director and Deputy don't get down here together that often, and 2) we knew about the Middle Door Ghost. Lawns were mowed and raked, the sidewalk spot was washed (using less than a three gallon container), and the door handle was carefully checked. When Sergeant Major arrived at six in the morning on the day of the visit a three foot geyser of water gushed at the door from a broken water main. At eleven, General Martin and Admiral Collins were treated to a gaping chasm, a backhoe, air compressors, and five DFE trucks. The portion of sidewalk which had to be removed was not the one beneath the bird nest.

I have instructed Mr. Cummins in the future to report our strength as 189+1i.

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## Fort Belvoir Family Housing

Post Headquarters has established a new Family Housing Advisory Council. This council is not to be confused or connected in any way with the duties and responsibilities of Senior Occupants. SFC Willis (OAR) has been appointed as the MDS Representative for the 900 area (Dogue Creek). Suggestions and/or comments pertaining to that area as well as any other housing area will be accepted and presented at the quarterly meetings.

The purpose of this council is to review current housing policy, operation, major repair and improvement projects, and requests for exception to family housing policies and/or family housing complaints, and make recommendations through the Director of Facilities Engineering to the Commanding General.

The items listed below were discussed at the first meeting and are hereby submitted for your information:

Four-hundred and forty-four new four-bedroom units are due to be constructed on North Post in the near future. Three hundred sets

are being allocated to the Military District of Washington Army Personnel, one hundred for Navy and forty-four to the Coast Guard. If you did a quick mental count and came up with 444, you are absolutely correct. Not one single unit will be allocated to Belvoirites.

Installation of central air conditioning units has been programmed for George Washington Village but no specific date has been set.

Smoke Detectors are now being installed in Colyer and River Villages and will eventually be put in all quarters as soon as funds are available.

Additional parking spaces in the Dogue Creek Area should help considerably in eliminating the ever-present dodge-dart, back-up, go-ahead, scoot-over game that we play every day.

A suggestion was made to conduct village meetings before major projects are implemented to allow the occupants to voice their comments. This will be discussed further at the next meeting.

Please feel free to contact the council representative if you have any comments or recommendations. The next meeting will be held sometime in October.

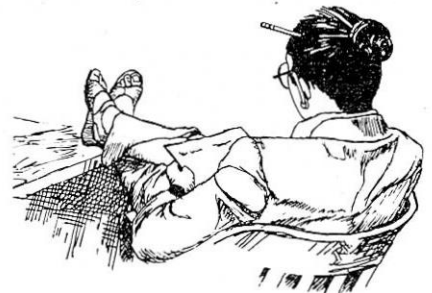
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## From the Editor

Survey replies are coming in steadily; but since our "lead time" in preparing the CONTOUR is about a week and a half, it would seem prudent to wait a while before I try to assemble any valid results. The 21 October issue looks like a likely one, so keep your eyes peeled.

We have a Mystery Person this week — one who foiled even our two MP clue sleuths, Bill Locke and Jim Harnden. To their chagrin, Ed Franke, evesdropping on their conversation, guessed the MP's identity without even seeing the picture!

A subtle reminder: The next edition of the CONTOUR appears on 21 October; however, by the time you get this, you'll have only a short time to submit for publication in that issue; deadline is the 11th.



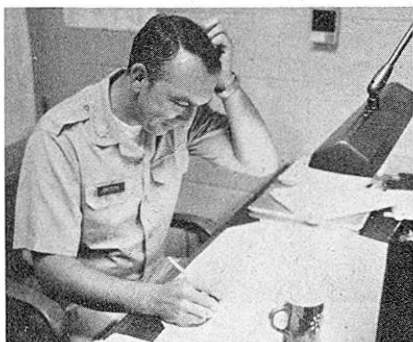
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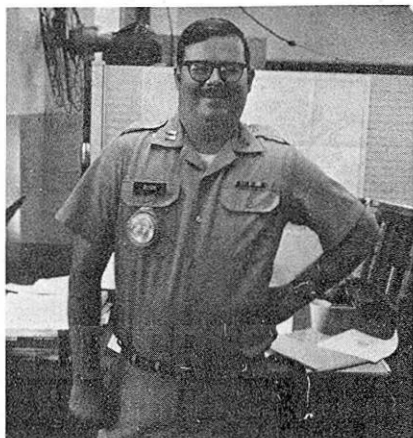
## TED GREET'S THREE

Major William B. Griffith, Chief of TSD's Terrain Evaluation Division, has been with DMS since September. He came to us from a two-year tour in Korea, where he was the Mapping and Intelligence Officer on the UNC/USFK/EUSA Engineer staff. He has also served at Fort Leonard Wood and Fort Stewart, and has had tours in Vietnam, England, Chicago, and two in Korea. MAJ Griffith and his wife Barbara have settled in Alexandria with their 6 year old daughter Kristin and son Todd, 4. MAJ Griffith enjoys playing golf and going fishing, both of which should assure a rapid and happy assimilation into the DMS family.



MAJ Griffith, caught in the toils of DMS Form 13.

Captain Donald Bush joined TED in May, following completion of EOAC. Before his student days, he was stationed with the 10th Combat Engineer Battalion in West Germany. CPT Bush and his wife Laura are the parents of two sons, Bill, 2½, and Mike, 3 months. We're glad you're here, CPT Bush.



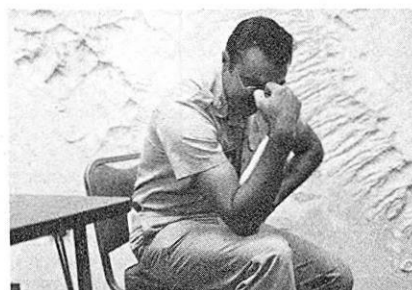
CPT Bush, caught on his way out.

Captain Gary D. Thompson arrived at DMS in April, direct from the Engineer Officer Advanced Course. Prior to that he was assigned to the 7th Engineer Battalion Float Bridge Company, Headquarters Detachment as Supply Officer, stationed at Ludwigsburg, near Stuttgart, W. Germany. He attended the MC&GOC here and then in August became an instructor in TSD's Terrain Evaluation Division. CPT Thompson and his wife Jane have two sons, Erik, 3; and David, 3 months. An avid softballer, CPT Thompson plans on trying out for the Super J's in the spring; he's presently a member of the "T E Bees" bowling team. A belated "Welcome to DMS!" to you, sir!



CPT Thompson, caught working.

## HEY, 'BYE



Our James Hey everyone knows.  
He keeps us all on our toes.  
With wit most blinding  
And logic that's binding,  
He'd sell icecubes to Eskimos.

Now MAJOR Hey, reassignment is here,  
But his Leaf dims neither voice nor  
leer;  
To Reserve Advisor enroute  
With stories hirsute -  
Will there be a promotion party this  
year?

## MYSTERY PERSON



"Girls in pink, boys in blue" they always say. In 1939, at the ripe old age of about 1, this tyke had mastered the major accomplishment of holding the head erect and smiling at the same time - a trait still maintained.

ANSWER TO 26 SEPTEMBER MYSTERY PERSON

"Little?" John Jacobs  
Sat in a corner  
Slurping his Pepsi-Cola.  
"You're over-exposing that plate,"  
he roared  
Like a cow elephant being gored.  
"And besides," he said with a chuckle,  
"It's lunch, and time for Pinochle."

## The Rumor Mill

The latest from the Wheeler Hall grapevine has it that several of DMS' outstanding instructors, while on a recent TDY trip to Southern California, went in search of a certain "in-the-news" beach. Unable to locate their quarry, they decided to watch the seaside cliff hang gliders instead. Now guess where the "lost" beach was...maybe they should've had a map, huh? Or a pair of binoculars, one of the two.

HAPPY 202<sup>d</sup>  
BIRTHDAY  
U.S. NAVY!

13 October 1775

## Impressions by Cook

On 21 September, our new computer arrived. After two days of hard work by the Data General Corp. representative and our own Major McClatchey, the computer was up and running. Within the next month, our computer specialist will have been hired and should be here, helping us use this important new tool.

The morning of 23 September, Dr. Pfortmiller of the Combined Arms Concepts Development Agency, Ft. Leavenworth, came to DMS to describe and demonstrate novel, computer-generated terrain displays. The audience of around fifty included DMS staff and faculty, plus representatives from Hq, DMA; the Marine Corps; the Engineer Topographic Laboratories (ETL); the Mobility Equipment Research and Development Command; and the Engineer School. What they saw were various experimental new ways to show a commander the terrain ahead of him — both from his side of the line and from the "other guy's." The terrain displays all were made from digitized data produced by DMA.

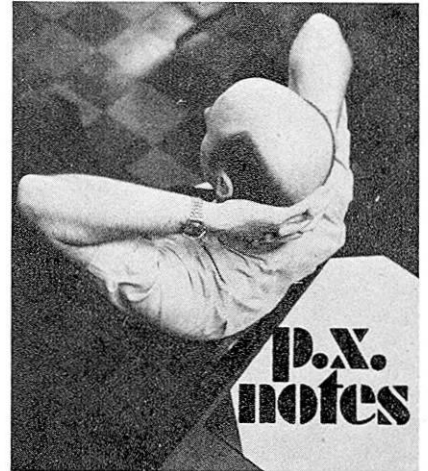
DMS has received a DMA Standard Topographic Data Base (TDB). The TDB, basically, represents a programmed "interrupt point" in map or chart production. The idea is to complete compilation to the stage where a user can be provided an orthophoto mosaic, a hand-written names overlay, a rough-edited contour mosaic, and additional overlays showing roads, grid lines, streams, etc. As the need arises,

a field unit can rapidly update the overlays from new photography and produce a multicolor map or chart.

What do these three seemingly independent events mean? They mean DMS and topo field units are entering a new period. Digital data technology already is present in abundance. Photo interpreters, whether in the SAC centers or in the field PI vans already on hand in the Marine Corps and being built for Army, use computer-linked mensuration equipment to rapidly determine coordinates and vectors. With the arrival of the Topographic Support System (TSS) in the early 1980's, field commanders can go far beyond mere target PI work: the combined capabilities of the analytical plotter, the orthophoto printer, the interactive graphics system and the integrated survey instrument will allow a commander to use DMA data bases for rapid production of things ranging from multicolor maps to digitized elevation data for field-of fire estimates; from earthwork volumes for new road construction to stream slope measurements for bridge siting; and from rapid extension of control for artillery to fast field generation of control for construction or for limited mapping.

Within the next 12 to 18 months, DMS will be integrating new ADP applications into our curricula in Cartography, Terrain Sciences, Graphic Arts, and Survey. The Topo Data Base will be an invaluable

training item; the new computer will shortly be in heavy use for fast data reduction; and always looking over our shoulders will be people like Dr. Pfortmiller with new ideas for terrain displays. Thomas Edison once said, "There's a better way — find it." That is exactly what DMA is trying to help the Services do: get a wholly new impression of what terrain data can mean, and of more effective ways to get it.



by SGM Bill Locke

Jack Winters, Pendleton, Butte Knit, White Stag, Act III, Ship'n Shore, Bobbie Brooks and Mary Jane are but a few of the names you'll find on merchandise in the Ladies' Fashion Department.

See P.X. NOTES, page 6

## Happy Vespucci Day, Columbus

... From  
Your Friend,  
Martin

This year's observance of Columbus Day, Oct. 10, is just 15 years short of the 500th anniversary of the discovery of the New World by Christopher Columbus in 1492. The holiday is set by law for the second Monday in October of each year, and it is declared annually by Presidential Proclamation.

Aside from religious holy days, no other man's natal day is observed by such a large portion of the world. Besides observances held in the United States, a variety of celebrations are held in Central and South America and in parts of Canada. Spain and Italy mark the day with processions and church services.

The direct descendant of Christopher Columbus serves in Spain's Navy, as a lieutenant commander in the Spanish Naval Reserve. Upon special occasions, such as visits to South and Central America, he dons the uniform of "Admiral of All the Ocean Seas." The title is one of the privileges granted in perpetuity to the Columbus family.

The fact that the New World was not named after its discoverer is due to the machinations of an addle-brained geographer, Martin Waldseemuller.

In a short geography book which he published on April 25, 1507, Waldseemuller wrongly identified the discoverer of the New World as the Italian explorer Amerigo Vespucci (using the Latin, Americus Vesputius), stating:

"But now that these parts have been more extensively examined, and another fourth part has been discovered by

Americus Vesputius . . . I do not see why anyone should object to naming it America . . . after its discoverer, Americus, a man of sagacious mind, since both Europe and Asia took their names from women."

The first actual observance in the United States of the discovery of America was sponsored not by Italians but by Irishmen in 1792. The celebration held by the Tammany Society or Columbian Order in New York City included the unveiling of a monument honoring Columbus and a ceremonial dinner.

Nothing is known of any special observances during the 100 years following the 1792 event; however, the name Columbus was used in designating various geographical areas including that of our Nation's capital, the District of Columbia.

It was an event marking the four hundredth anniversary of the landing in the New World—the World's Columbian Exposition of 1892—that called the most attention to the achievements of Columbus. Held in Chicago, Ill., the exposition actually opened in 1893, receiving wide acclaim and being attended by some 27 million people from around the world.

Perhaps the most significant tribute to Columbus has been the growth and development of the world's most powerful nation in the land he discovered. As we celebrate Columbus Day on Oct. 10, we celebrate the fulfillment of a dream which idealistically and materialistically has surely exceeded that seafaring dreamer's expectations.

# DMS ANIMALS EXCEL

by G. Warden

The Carto Department provided two Animals, Mr. John Woodburn and SSG Howard Kidd, to represent DMS at the annual DMA "Animal Run," held at DMATC on 16 September. It was a wonderful day for a run through our Nation's Capital. The race started at the TC flagpole; Animals were to run, walk, crawl, or whatever (no rides of any kind were permitted) from DMATC to the back gate of the Naval Observatory. They could run along any street, path, or direction they wished. With a little inspiration from one of our ferocious Chieftains, Lt Col Westphal, the route was planned and reconned the day before the race. After selecting the best route, the DMS Animals were set for the Big Day.

After being briefed not to run red lights or run over cars, the Animals were ready to start. They varied in age from 24 to 58 years old. There were 14 Animals present. DMS Animals were ready to accept the Sluggard Award (last place), if necessary.

The Animals were released from their cages by a clocksperson who made you look forward to seeing her again at the finish line. If she had led the group, the pace would have quickened.



As the race progressed, the hills became mountains and the straight-away, deserts. The Animals began to form small packs, depending on the route they had chosen to travel. Animal Woodburn was fleet of foot and sprang out with the lead pack. Animal Kidd kept "Woody" in sight at all times. Both Animals were trailing a gazelle-type who appeared to have been over the course several times and to know the best route. The gazelle left the DMS Animals groveling in the dust, however. The DMS Animals went through some woods and became separated. Animal Kidd asked a lady walking

her animal if she had seen Animal Woody running; she directed him along the path. Animal Kidd could not find the proper path, and another animal-walker directed him to it; however, this person's animal began chasing Kidd along the path.

The DMS Animals didn't really know where they were but relied on their keen senses of smell to find Massachusetts Avenue. Unfortunately, they only found Wisconsin. Hopelessly lost, the DMS Animals began growling at one another. A kind pedestrian assisted the Animals in finding Massachusetts Avenue. Other Animals came into view and the race was on once again.

Animal Woody passed a disgusting TC Animal, while Kidd trailed the two of them to the finish line. The audience of Humans that had gathered clapped and cheered as a photographer from Field and Stream magazine took pictures.

The DMS Animals had done quite well. The DMS Game Warden was pleased. Animal Woody placed fifth and Kidd came in seventh. The time for the distance of approximately 4.5 miles was between 32 and 33 minutes.

Dog biscuits were served immediately following the race, and the Animals returned to their cages for a well-deserved rest. Other Animals had been slated to run but their entries were scratched before the race. One can only conclude that their barks are worse than their bites.

## Just Call Me Pauline

by Lynne Manov

Remember Murphy's law? The one that says, "If something can go wrong, it will"? Murphy didn't know the half of it. Just call me "Pauline" — as in "the Perils of."

It all began when I decided to move to Alexandria. You know what a hassle moving is even when things go smoothly, right? I tried, really I did. I called weeks in advance to arrange for all the utilities to be turned on the day before "moving in" day; I telephoned the U-Haul people for truck rental rates, pickup and return times; I coordinated my movements in precise military fashion with the projected plans of my two future roommates. I had it all worked out. I thought.

The first inkling of impending disaster struck me when I went to pick up the keys to the new townhouse. The rental agent didn't

have them.

"Where ARE the keys?" I asked, a sinking feeling in the pit of my stomach.

"Well, uh...um...see," the agent procrastinated, "It's uh, the runner has them."

"WHAT runner?" I queried, my hackles rising.

"There's a college student who delivers things between our various offices and - uh, well - she doesn't usually get to my office until about two in the afternoon," the agent lamely replied.

Carefully, I reminded her that I had advised the utility service offices and Ma Bell that they could arrive after 9:00 a.m. the next day to read the meters, etc; I informed her gently that, in my experience, they didn't usually wait around to be let in, but merely went away again. I told her politely that I did not really relish the idea of moving into a house with no water, lights, phone or gas service.

"Well, we'll see what we can do," she said.

"I'm afraid that will not be satisfactory," I replied firmly.

Ultimately she promised to have a locksmith waiting at 9:00 o'clock sharp to jimmy the locks. I settled.

Next on the agenda was to drive to Arlington, trade my sister's car for mine (she'd borrowed mine to move HER stuff); load up with breakables; race back to Alexandria, and sack out at roommate #1's. I'd planned to sleep there to avoid an overly early rising; I had to pick up the U-Haul at 7:00 a.m. Naturally, when I got to Arlington, Sister was not there; not expected, whereabouts unknown. I spent the next two hours fuming. Finally she appeared, I stuffed the car, and zoomed back to Alexandria.

When I got there, roommate #1's dog was sick. I mean REALLY sick.

Roommate #1 is one of those girls who, had she been born in the late 1800's, would have had regular attacks of "the vapors." I don't know what they call them nowadays, but the upshot of the situation was that I had to take the dog to the Vet's and assist him in finding a vein, administering intravenous fluids, etc., until 2:00 a.m., while #1 sat in the waiting room. (The dog is fine. If it hadn't recovered, I think I'd now be living in a tent.)

Up at 6:00 a.m. after a brief, uneasy night on a lumpy sofa, I was at the U-Haul joint at 7:00 on the nose. (I left in plenty of time, in case I got lost, which I did.)

I was greeted by a large, surly

See PAULINE, page 7

## P.X. NOTES...from page 4

The morning I visited the Exchange, I was swarmed by lovely ladies. Unfortunately, it was their desire to "tell all" about their Department and had nothing to do with me personally. Contributing, in addition to Ms Santacroce, the Department Manager, were Ms's Vanlue, Merrell, Blevins and Mayer. They were unanimous in the opinion of the merchandise quality — "tops!"



*Mix and match is also economical.*

AAFES has a difficult time, I'm sure, in selecting a line of fashions. While in some respects similar to the "outside" retail store, there are some subtle differences. They really can't attempt to keep current with all the "fashions" and one reason is the military wife. I suppose I risk severe blows to my tender body, but I believe it's a fact that military wives, in general, are not "high fashion" dressers. Why? Probably because most can't afford to keep up with the rapid changes in "The Woman's wardrobe. So how does this affect AAFES buying? It means that the majority of the items are "neutral" or "standard." They're things that never really go out of style. This is not to say that you can't find some merchandise which is "fashionable." Knitted overcoats and cowl neck sweaters are "coming back" and you may find these in the Exchange, among other "top quality" items,

many of which are at a 20-30% savings.

The only latitude the local Exchange has in buying is in the lingerie area. Otherwise the buying takes place at the Headquarters in Dallas with input from our Capitol Exchange Region. The Region tries to establish lines of fashions that are appropriate for the local climate and representative of what "My Lady," the military wife, is wearing these days.



*"I hope I can find one in red."*

The merchandise line is such that you could literally walk out (after paying, of course) with a complete wardrobe — from the softest undies to a lovely overcoat. Included would be all the accessories such as handbag, gloves, umbrella, and overshoes (for that romantic stroll in the snow).

You really owe it to yourself, ladies, to at least see what your Exchange has to offer. It's hard to imagine that you could go to those "other stores" without checking the Exchange first. If they don't have your size, maybe they could get it for you. Why not ask?

So for ladies' apparel from "unmentionables" to coordinated fashions and fine leather coats, shop your friendly Fort Belvoir Exchange. If you happen to see any of the ladies I talked to, tell them you read it here. DID YOU KNOW? Home insulation is available at 4-Seasons stores or will be soon.

Sometimes the TRW system goes "blooey" and when this happens, the Exchange must stop cashing checks. Please understand and stay cool. Unfortunately not everyone is as honest as you and I are, and without the TRW, the Exchange can't stop the "paper hangers" who exist in

our community. It doesn't happen often, and it's for your protection, so please bear with us.

## DMS Personnel May Lose Benefits

by Lt Leath

With only three months remaining in the year, DMS has thus far been counted for *thirty* donations to the American Red Cross/Dewitt Army Hospital blood donor program. We have only *six* donor days remaining to make up a *deficit* of some *25* units in order to meet our goal of *55* donations for 1977. If this goal is not attained, DMS will lose its 1978 benefits from this worthwhile program.

Because DMS successfully met last year's goal, the School is currently covered through December by the "Blood Assurance" program, which provides that blood used by patients in participating hospitals be replaced by the Red Cross. Because DMS participates as a group, *all* members of our families are covered as well. This coverage extends to our parents, parents-in-law, grandparents, grandparents-in-law, and to *any* relative living in the same household who is economically dependent on a group member.

Please weigh the benefits that DMS stands to lose if our goal is not met for 1977. *Your* donation is badly needed.

## CHICKEN about giving blood?



What happens if  
YOU need it?



## PAULINE...from page 5

fellow who pronounced, "I don't rent no trucks before 8:00." My protestations left him unmoved.

I returned at 8:00 sharp and followed on his heels as he strode from truck to truck, opening doors and hoods. A full 3 minutes elapsed between my question, "What seems to be the problem?" and his reply. My blood began to boil.

At last he replied, "Some &#x26; done stole all the \*\$& batteries outa these here \$&# trucks!"

"Oh, \$&#!" I cried. However, by some quirk of fate, the thief had left one battery in one truck of the size I required. It took a mere 40 minutes to move the two immobilized trucks that were blocking it. Finally, after parting with virtually my last dime, I chugged away, grinding heartily at each gear change.

The locksmith, of course, was late. I dozed in the truck cab until he arrived and began to attempt to pick the lock. It was, he said, burglarproof.

"Can you drill the core out of it somehow?" I inquired.

"DRILL THE CORE OUT OF IT? Lady, do you know how LONG that takes? I gotta go let a guy outa a bank vault! I ain't got no TIME to drill no CORE outa no LOCK!"

I commiserated with him concerning the idiot who'd locked himself in the vault; I suggested we might try a window instead. "Good idea!" he agreed; inspected the window next to the door, whipped out a penknife and had the window open in 30 seconds. "After you!" he quipped, ushering me over the sill.

After some altercation regarding who was to pay the bill, the locksmith departed, leaving me to await the arrival of the utility people and roommate #2, who was to spell me during the day.

Between the three of us, we got #1 moved that day — all except her heaviest pieces, which we left for husky boyfriends the following day. #2's moving crew was laid on for 6:00 p.m. I left the truck and directions to Arlington with #2, who was to return the truck before 9:00 a.m., when MY crew was to arrive; and helped #1 take the still ailing dog back to the Vet that evening.

I got home about 9:00 p.m., just in time to answer the phone. It was #1.

"You know that truck I was supposed to be able to borrow from my friend Mary to move my heavy stuff? Well, it's not parked where she said it would be, and when I went over to her house, she wasn't there.

Now how am I gonna move my stuff?"

Anxious to ward off another attack of the vapors, I blithely promised #1 we would manage to get her stuff moved if I had to lift everything single-handed.

"One more thing," she said. "#2 and her crew were supposed to be here hours ago and the truck is still here."

After an hour's worth of busy signals, I got through to #2's house, where I was informed that her crew had evaporated, except for one guy. The two of them were just leaving to get the truck.

I finally crawled in the sack at 11:00. The phone rang at midnight. #2's plaintive voice said, "I'm sorry to wake you, but I can't find the directions or the map you drew me. Can you tell me again how to get there?"

I complied with her request, and tried to go back to sleep. I guess I eventually succeeded because when the phone rang again at 4:00 I was definitely asleep.

"Hello, Lynne? I'm REALLY sorry to wake you again, but (muffled sob) we drove around Arlington for an hour and couldn't find your house. I'm so tired and upset (snuffle) I can't see straight."

"Where are you now?" I asked, trying to clear the grit from my eyes and the cobwebs from my brain.

"I'm home. We parked the truck at the corner of Pollard and Military Road and left the keys under the seat."

Fortunately, that's a decent neighborhood. "Okay, no biggie," I lied. "I'll just get somebody to run me over there in the morning and pick it up. You just relax, everything will be fine. Try to get some sleep."

"There's one more thing," #1 added ominously. "I think it might have a flat."

My stomach immediately tied itself in a knot.

"The guy who was driving backed into a fire hydrant, and when we got out to see if there was any damage, I heard air hissing out of the tire. But I mean, how much can you see at 3 o'clock in the morning??"

"Was this in the front, or the back?" I asked, warily.

"Back."

"Okay, no sweat. It's got duals and I can still drive it. I'll take care of it, okay? I know you're really tired," I said consolingly, hoping to calm her hysterics and get some more sleep before the alarm went off.

Sleep eluded me.

When I finally did get to the truck, sure enough, the tire was as

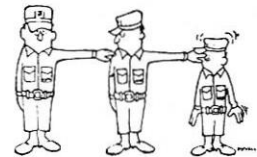
flat as the proverbial flounder. But the keys were still there. Heck, the TRUCK was still there! This I regarded as an encouraging omen that things were about to begin looking up.

Indeed, my crew showed up on time, though two men short; we got all my stuff loaded without breaking anything important; we didn't wreck the truck despite the flat; a neighbor volunteered his van to help stranded #1 move; and roommate #2 showed up with fried chicken, beer, and coleslaw.

I began to think I might survive it after all.

Then two of the three toilets went on the fritz; my cat clouted #1's dog a good one on the snout; a Welcome Wagonload of roaches turned out to greet us; our friendly neighbor warned us that the utilities are about half again as high as we had planned for; we discovered that the dishwasher doesn't work; the drier drum screeches at each turn, all the windows are painted shut; and the only way to turn the air conditioner off is to pull the fuse.

On the other hand, the three of us are still speaking.



A Public Service of This Newspaper  
& The Advertising Council



# Put your heart in the right place.

 **Red Cross.  
The Good  
Neighbor.**

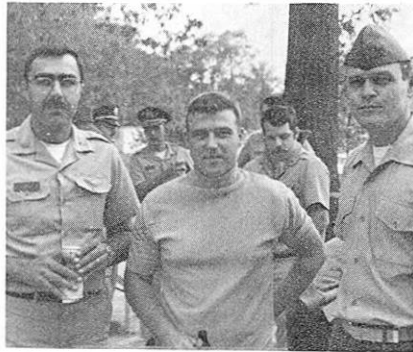
# Farewell/See You Around Picnic Held

On September 23, a picnic was held behind Bagley Hall to bid farewell to two favorite DMS'ers and to commemorate the in-house transfer of a third. The honorees were MAJ Jim Hey, Master Gunnery Sergeant Bill Sutton, and Master Sergeant Ron Dorman.

MAJ Hey is on his way to an assignment as Reserve Advisor near Pittsburgh, while MSgt Dorman is bound for the Marine Corps Recruit Depot at San Diego. MGySgt Sutton will be taking Dorman's place in GAD.

We'll all miss MAJ Hey's blinding smile and ferocious wit. Inside GAD'ers say that since "Big Top" doesn't play pinochle, "Little Top" will be particularly missed at the daily lunch hour game.

All of us here at DMS wish each of you the best of luck in your new assignments.



The "Rogues' Gallery" of DMS poses for a farewell portrait...from left to right, the rogues are MAJ Jim Hey, MSgt Ron Dorman, and MGySgt Bill Sutton. Please note that none of them look really enthusiastic about leaving.



MSgt Dorman and GAD friends and co-workers managed to squeeze in a game of pinochle at the picnic. You may notice that SFC Findlay has NOTHING up his sleeve, but has still managed to hold on to his Queen.

# CROSTIC #1

Courtesy QUALITY CROSSWORD PUZZLES, Copyright 1977, Quinn Publishing Co., Inc.

Clue: Bearing the Bull

CROSTICS ARE ESPECIALLY fun because of the amusing quotation each one reveals. First solve the definitions. Then transfer each letter to the correspondingly numbered square in the diagram. As the quote is revealed you can guess enough to work back and forth on any troublesome definitions. A helpful clue appears atop each Crostic and initial letters of each definition spell out the author and source of the quote.

## DEFINITIONS

## WORDS

A. Gay, excited commotion	H	100	40	6	94	108	63
B. Cognizant	A	83	122	37	11	92	
C. Accurate imitation (comp. wd.)	L	57	96	2	81	116	24 68 46
D. Squawroot	B	119	60	80	13	89	106 31 75 44 50
E. Fading from fashion (3 wds.)	O	109	19	121	53	45	7 77 97 69
F. Last evening (Scot.)	Y	62	52	74	42	82	103 120 22
G. Unscrupulous moneylender	L	5	18	55	76	43	48 93 102 32
H. Covers with fire (var.)	E	124	26	112	61	10	39 54 78
I. A dip net	B	113	72	30	86	4	

J. Below

K. South American parrot

L. Under the breath (2 wds., L.)

M. Obey completely (3 wds.)

N. Fete

O. Transshipment

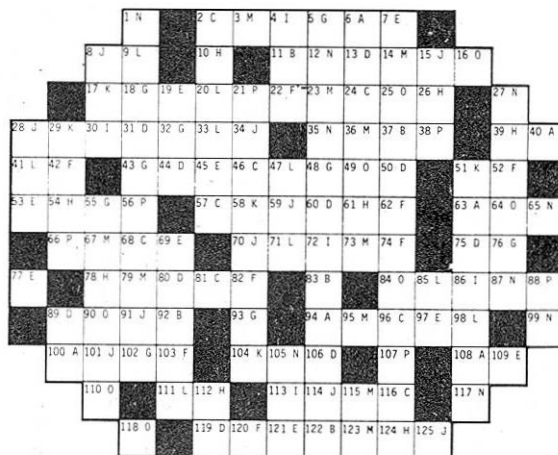
P. Baby's toy

U	114	125	34	101	91	15	28	8	59	70
M	29	58	17	104	51					
S	41	85	9	98	71	20	111	47	33	
T	79	95	123	23	36	3	115	67	73	14
E	12	87	35	65	27	99	1	117	105	
R	90	118	110	64	49	84	25	16		
	56	107	38	88	66	21				

WORDS: A—HOOPLA. B—AWARE. C—LIFE-LIKE. D—BECHDROPS. E—ON THE WANE. F—YESTREEN. G—LOANSHARK. H—ENFLAMES. I—BRAIL. J—UNDERNEATH. K—MA-CAW. L—SOTTO VOCE. M—TOE THE LINE. N—ENTERTAIN. O—ENTREPOT. P—RATTLE.

1. A fellow at a recent convention remarked that most speeches we hear lately are like horns on a steer—a point here, a point there and a lot of bull in between.

—Hal Boyle  
Bum Steer



ANSWERS TO CROSTIC

# CONTOUR

VOLUME 4 NO. 21

DEFENSE MAPPING SCHOOL

21 October 1977

## THE LIGHTER SIDE OF POM

by LTC W. Sprinsky

It's fall, and the POM is in the wings.

No, fellow DMS'ers, a POM is not one half of what the cheerleaders wave at football games. It's the Program Objectives Memorandum, which is the basis for our manning (personning?) funds and such new delights as major construction, the Wheeler Hall telephone system (what "system?" you ask?) and money for renovation of existing facilities. Department chiefs groan and turn the files upside down looking for last year's submission; and LTC Maxfield, the PPO, has visions of abbreviations like ERB, IP, PO'I, and O&M, rather than the conventional sugar plums, when he closes his eyes.

While all this executive Brownian motion is going on, it is also a time for all of us to reflect on the School's equipment we use in instruction and administration. We traditionally look at our cars and ask, "Will old Bessie (your car, not your wife) last another year?" With major DMS equipment costing over \$1000 per device, the question should be "Will it last 'til 1984?" If it won't, when should we program a replacement? This same process should be used for minor (O&M) equipment. The results of these reflections form part of each Department's submission and, ultimately, insure that DMS has modern, serviceable equipment.

While you're reflecting (feet up on desk), ask yourself if DMS needs additional equipment of the same make/model as that already on hand in order to teach or function more effectively. If the answer is yes, let your supervisor know what is required and when. Since DMA is not Santa Claus, be prepared to answer some searching questions like, "Why?", "Why can't you make do with what you have?", "What do you mean by 'more effectively'?" After surviving that gauntlet, equipment that is demonstrably needed will be added to the program for purchase

sometime between FY79 and FY84.

If you're thinking, "But 1979 is a long way off and I need equipment tomorrow," this underlines the need to plan far ahead. Someone (maybe you?) should have thought about that two years ago.

Anyway, you now have a new and creative explanation for the feet-on-the-desk posture that your boss or COL Wintz catches you in occasionally. Look them straight in the eye and tell them you're reflecting on the equipment submission to the POM.

(Ed.'s note: Remember that consistent fibbing causes your teeth to turn black.)

## PRT Throws Down Platelet

PRT has, to date, donated seven units of blood. Current plans are for at least four more units this year for a total of 11. If we figure correctly, that's about one fifth of the DMS goal donated by only one twentieth of the population. Can any other Department or office top those statistics? The platelet is thrown.



SFC Don Roberts has left for Turkey.

## Mary Dies Under Mysterious Circumstances

by Maj R. Millians

SD, Ft. Belvoir — Sources some distance from the scene report the death of Mary, SD's charming and alluring Black Widow Spider. Mary was found dead in her residence on the morning of 5 October 1977.

Preliminary reports indicated that Mary died of natural causes. An autopsy, however, determined that Mary had been brutally murdered. Physical evidence showed that this murder follows the pattern of the death of other spiders in this area. These facts gave rise to speculation that a deviate had been loosed in SD.

A thorough investigation is currently underway. A breakthrough in the case is expected soon.

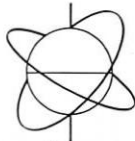


## APOLOGY

The CONTOUR apologizes to SFC Don Roberts and to his friends and supporters who helped arrange his going away party on September 23. We inadvertently omitted his name from the list of party honorees.

SFC Roberts has departed DMS for his new assignment in Turkey, where he has taken over as NCOIC of the printing plant. Don had been at DMS since July 1969, and has worked in both the Camera and Press sections of GAD.

His friends and co-workers will sorely miss him, and we all bid him a belated adieu.



from the  
**DIRECTOR**

Lynne is going to try out the Letters to the Editor business, as reported elsewhere in this issue. I don't think it will work, but it's well worth a try.

Letters to house papers (as opposed to the general public media) seem to fall into several convenient categories. Examples (fictitious, so far):

*The Behavioral Vendetta* ("DMS is fraught with graft and, what's worse, 7-Up guzzlers").

*The Inevitable Counter-BV* ("Anybody who doesn't like 7-Up is a commie and a sissy").

*The Self-Serving Snipe* ("I think the Chief, TSD, should be assigned a sedan and a driver").

*Management's Ponderous Reply to the SSS* ("We'll do it, as soon as we get somebody with any ability assigned here").

*The Plea for Relevant Articles I* ("Why don't you have more stories about...pant...rape and abortion?").

*The Plea for Relevant Articles II* ("How come you're always writing

about sex and never about...pant...woodworking?").

*The Embarrassing Revelation* ("DMS usually answers four suspense items a day. During the Director's leave last week, however, we averaged 35").

*The Personal Hatchet Job* ("I don't want to name names, but a certain Marine officer at DMS drinks a lot and fools around").

*The PHJ Riposte* (The dirty xxxx that wrote that xxxxxx letter can take a flying xxxxxx!).

*The So-What-Else-Is-New? Bulletin* ("Sometimes the Sergeant Major is grumpy and abrupt").

*The Downright Lie* ("Sometimes the Sergeant Major is grumpy and abrupt but he really has a heart of gold").

Despite these misgivings, we are asking for your letters. They need not be saccharine, but should be constructive and well this side of slander. It's Lynne's dark thought the the "Letters" column may lead many potential writers to regular contributions.

At publication time, DMA will be saying good-bye to TC's Director, COL William R. Cordova. I've never talked with anybody who worked for Bill that didn't have a sense of ferocious personal loyalty to him. He's a clever, warm, and humorous man, and leaves many friends at DMS. Our best to you and Lucy on your retirement, Bill.

leisure pursuits.

Another good suggestion was to follow up on what former (retired or transferred) DMS'ers are doing. DMS is often likened to a large family, and many of us who are still "at home" would like to know what became of our relatives who left. Any of you who can help us out — drop me a line, and we'll be sure to get the news out.

A "Letters to the Editor" column was requested by a couple of CONTOUR Survey respondents; we're going to try one out. Any signed letters written in good taste will be considered for publication; we'll withhold the writer's name if (s)he so desires. This can be an excellent forum for open discussion of DMS-related matters, but subjects should be confined to those which deal directly with the School, as there are plentiful forums dealing more widely with general Service-connected topics.

Another Survey-generated idea is to publish reports from mapping community units in the field. Again, we'll need some input to make this a reality, so how 'bout it, out there? We'd like to know what you are up to.

One reader asked for book reviews on books requested and received by various people in the Departments. I think this might make interesting professional reading and it's something I've checked out with the DMA Counsel (after he shot down my Restaurant Review idea) — he says it's okay. To get the ball rolling, why doesn't the reader who suggested it send in the first review??

And finally, to the prolific but anonymous soul who on October 6 and 7 graced my mailbox with two contributions written on red-lined, steno pad paper in black felt-tipped pen and sealed in a white #10 envelope: I really do appreciate the submissions (well, at least the first one; the second is still a mystery) but I can't use it unless I know who you are! So either send me another note and own up (and maybe explain that second note) or next time you feel literary, please sign your name.

## From the Editor

As the song goes, "There'll be some changes made." The First Annual CONTOUR Readership Survey replies made for some interesting reading, some laughs and some kicks (of the in-the-pants variety).

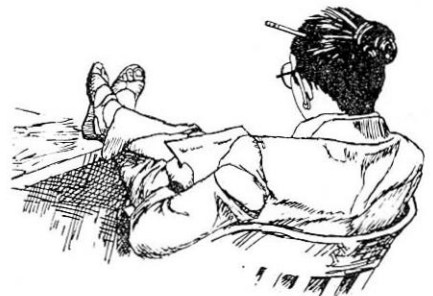
It's obvious that you can't please everybody, but some comments were so prevalent that it's clear some particular alterations are overdue. Beginning in this issue, PX Notes will not appear every time. (This decision follows on the heels of the receipt of a gracious letter of appreciation to SGM Locke from AAFES...but he's taking it well.) Many readers do find this column valuable; a considerable number of others think it's too long. So we're splitting the dif-

ference, and will run the column in alternate issues — plus, perhaps, some "hot tips" in the "off" issues.

As I noted in the Survey results, there were quite a few calls for feature articles on DMS personnel who have interesting hobbies (I, for one, have a fascinating avocation — to me, anyway! — so maybe I'll fit it in somewhere.) Before I can go ahead with this, though, I need some "input." So if you think others might enjoy hearing about your off-duty hours, let me know. Or if you know of some soul who spends his or her free time doing something out-of-the-ordinary, but who is too modest to toot his or her own horn, go ahead and fink on 'em! Those of you who receive the CONTOUR by mail might want to write me a letter — or even a finished article — and tell me about your

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Editor, CONTOUR, Defense Mapping School, Fort Belvoir, VA 22060  
Director: COL Edward K. Wintz  
Editor: Lynne Manov



# Museum Fare for Mappers

Two exhibits of interest to the MC&G community are currently on display at the National Archives and the Library of Congress.

"Taking the Measure of Land: Cartographic Images of the U.S.: 1769 to 1977" will be on display at the National Archives through November. Located at 8th and Constitution NW, the archives are open Monday through Saturday from 0900 to 2200 hours, and on Sunday from 1300 to 2200 hours.

"Map for an Emerging Nation: Commercial Cartography in 19th Century America" can be seen through October 30th at the Library of Congress. Hours at the Library, which is located at 1st and East Capitol Streets, are 0830 to 2130 hours on weekdays, and 0830 to 1800 hours on weekends.

Go by and see how they used to do it.

# Air Force Recognition Day

In a Bagley Hall ceremony on October 13, the achievements of three DMS blue-suiters were appropriately recognized. MSgt Banks (GAD), SSgt Eaton (CD), and TSgt Cook (CD) were all awarded the Joint Service Commendation Medal.

Sergeants Cook and Eaton, who are mentioned elsewhere in this issue, were honored for their outstanding accomplishments and dedicated devotion to duty while at DMS. Specifically, SSgt Eaton's research, development, and presentation of a highly technical analytical photo-



Real Life 'Mystery Person'

# ANONYMOUS SURVEY RESPONDENT SOUGHT

Will the USAES staff member who commented, "My CONTOUR is routed to 14 people. I'm 3rd so I got to do the questionnaire" please reveal his true identity so that 13 more copies can be sent to him?



# Dept of Carto and Applied Graphics Society Notes

by CW3 Maxwell

Mrs. Barbara Herbstreith has changed her name to Windland. No, she hasn't decided to become an actress — she was recently married to a former DMS instructor, SFC Mark Windland (Retired). We wish them happiness and hope they didn't spend their life's savings playing roulette in Las Vegas while on their honeymoon. Best wishes, Barb, from all of your Dept of Carto and Applied Graphics friends.

grammetry lesson was cited. TSgt Cook's superior instructional abilities were noted as having significantly enhanced student comprehension of air target chart production.

Also honored at the ceremony was MSgt Ernest L. Banks, Jr., whose exceptional technical knowledge and forceful leadership were directly responsible for improved production efficiency within the Target Graphics Division, Photolithic Branch, DMA-AC. He served there from 16 September 1974 to 21 July 1977.

Congratulations, gentlemen!



From left to right, Sergeants Jerry Eaton, Dave Cook, and Ernest Banks greet well-wishers following the award ceremony in which they each received Joint Service Commendation Medals.

# MYSTERY PERSON



"Square yourself away, little brother, or I'll let you have it with this POP gun."

ANSWER TO 7 OCTOBER MYSTERY PERSON



"Boys in blue" was a clue; One year old in '39 was, too. "Mastered..." alluded to a degree. Head erect and smiling are also traits of the man Who, dressed in blue, is Maj Kinnan.

# Thanks for rolling up your sleeves....

Ten DMS'ers bled for Maria Monaco during the Red Cross Blood Day at the Sosa Recreation Center on 6 October. Maria is the daughter of Mr. Paul King of OBS, and the sister of Penny Greer from PPO. She was seriously injured in an automobile accident and has undergone several operations. Maria is hospitalized in Reno, Nevada.

The Kings and Penny want to thank all those who donated for taking time to express their concern by giving blood for Maria.

We regret that Maria passed away on October 13; all of us at DMS extend our deepest sympathy to her family.

# CONTOUR SURVEY RESULTS

The results of the First Annual CONTOUR Readership Survey are in, if you can call less than 1% of our distribution "results." We sent out 296 CONTOURS and got back (as of this writing) 53 completed surveys. Maybe that means the other 243 ended up in File 13, but I prefer to hope that the majority of them will yet come trickling in. That means I only have to wait for 120 or so more before I can call it a day.

However, so far, the results are encouraging. That means that there were more pats on the back than knives in the ribs. As you read the statistics, remember that the number of individual answers to each question may not add up to 53, because some respondents neglected to circle any letter on some questions, and others circled more than one choice per question.

## 1 HOW OFTEN DO YOU RECEIVE THE CONTOUR?

Two respondents never get the paper. This is a good trick. We'll give them the benefit of the doubt and assume they found the Surveys lying around loose. (Read this next one carefully.) No one seldom gets the CONTOUR. Five of our respondents receive the paper frequently, while the majority (44) see it every issue. Two readers selected "other" and commented, "Every two weeks, like it or not;" and "Too often." Love that humor.

## 2 OF THE ISSUES THAT YOU SEE, DO YOU READ...

The preponderance of our readers read everything in the paper — 13 circled a ("All the articles") and another 27 selected b ("Most of the articles"). 6 survey respondents claim they read only the articles that look interesting, and 4 others say they read none of them. One reader wrote, "Only to proof read." Wonder where (s)he works?

## 3 WHICH ARTICLES DO YOU READ MOST FREQUENTLY?

The Director's column is the CONTOUR's biggest seller, having been chosen 32 times. In descending order of popularity, readers next most frequently read the Editor's column (25); personality feature stories (24); Mystery Person (22); and whatever makes the front page (21). Tied at 13 votes each were sports news and technical fea-

tures. The Technical Director's column polled 11 votes; and PX Notes limped in last with 9 big ones. Seven readers selected "other" and 4 of these read all the listed articles. The other three commented variously, "A little bit of each," "Picture captions," and "Never PX Notes." More about that later.

## 4 TRY TO EXPLAIN WHAT IT IS THAT ATTRACTS YOU TO THE ARTICLES YOU DO READ.

Large numbers of our readers left this "fill in the blank" question blank; you may draw your own conclusions from that. A few of them offered comments to the effect that what attracts them to the printed material is that it all deals with DMS and DMS-related matter. 20 readers singled out "subject matter" as the attracting feature, while others chose "humor" (12) or "photos" (8). There were even two write-ins for "cartoons," one for "comic relief," and another for "centerfold."

## 5 OF THE ARTICLES/COLUMNS WE ALREADY CARRY, WHICH WOULD YOU LIKE TO SEE EXPANDED OR DELETED?

I guess we asked for it, and you sure let us have it. Some suggestions were helpful and will be taken into consideration forthwith: 12 readers suggested that the CONTOUR include more personality features such as DMS'ers with interesting hobbies and/or outside interests, and "whatever happened to old what's-his-name" stories. A substantial number also suggested either deleting or shortening P.X. Notes — this has been considered and a workable compromise reached, which should also please readers like the one who requested that P.X. Notes be expanded to include the Commissary: SGM Locke will contribute to every other issue, starting now. (This is one of the "other" issues.) Other worthwhile suggestions included "Shorten technical articles" and "expand technical articles;" "Expand personality features" and "Throw out personality features;" and a couple of votes each for the deletion of the Editor's column and sports news. In addition, there were 16 positive general comments such as, "It's okay! No changes required," and 3 negative ones like, "Nothing."

## 6 IF YOU HAVE SUGGESTIONS FOR OTHER COLUMNS/ARTICLES WHICH YOU'D LIKE TO READ, PLEASE TELL US.

A great many very revealing comments were submitted in answer to this one. Suggested additions include a "Letters to the Editor" column; the resumption of the "X,Y,Z" column (we'd be glad to if anybody sent in something suitable! Try "The Rumor Mill" in last issue. However, only one tidbit is included and "X,Y,Z" would need more than that); a comic strip pertaining to people and events at DMS (we would do that, too, but we can't print anything submitted anonymously. We can withhold your name once we know who you are): "where we fit in to DMA as a whole" (as soon as we find out we'll let you know); MTT reports; a regular feature on a unit in the field (Let's hear from you out there!); a review of technical publications and books requested and received by Departments; and a pinup of the Editor (thank you, W.S.!).

## 7 HOW DO YOU FEEL ABOUT THE LARGELY HUMOROUS STYLE OF THE PAPER?

Ah, humor. The other spice of life. Some of you accused us of "not cutting it;" others claimed we had no humor to begin with. A big 30 of our 53 like our "largely humorous style," and another 11 like most of it. Three disgruntled readers don't like most of it; 3 more hate it; and another 3 don't believe it exists.

## 8 WHAT IS YOUR STATUS?

Our readers, as you might have guessed, are mostly faculty (21) and staff (20). There were 6 "other"s, including some USAES staff and one "Short!"; 4 former DMS'ers replied; and we had one "Temporary" and one "employee of another DMA component." There was one "interested bystander" and one "interested bystander."

## 9 HOW OLD ARE YOU?

The majority of our respondents are 36 to 55 years old. 20 of our readers are 36-45, with another 15 being 26-35. The spectrum evens out with 10 readers between 46 and 55; and 3 at each end (18-25 and 56-70).

**10** SEX?  
As might have been anticipated, a few of our creative readers answered "Yes." Less surprisingly, 38 respondents are male and 8 are female. The remaining 6 felt neutral, I guess.

**11** RANK? OR GRADE?  
The largest single block of our readers is made up of senior enlisted (14). The next largest consists of civilians - 11 GS 9's and under, and another 11 GS 11's and over. We have two junior enlisted respondents, one Warrant Officer, one company grade officer, and 3 "other"s.

**12** OTHER COMMENTS.  
I know, I brought it on myself. In addition to the appreciated "ATTABOY"s and the expected "DROP DEAD"s, a few zingers crept in that you might enjoy sharing.

"This is an example of a paper

being humorously written by non-humorous people. Doesn't cut it."  
"Beggars can't be choosy, I guess."  
"I love the masthead."  
"My CONTOUR is routed to 14 people. I'm 3rd so I got to do the questionnaire."

"The CONTOUR seems to be a personal jokebook for a few inside jokesters, and point getters."  
"Always have plenty of pictures."  
"I don't like the type style you are using for this questionnaire. It hurts my eyes."  
"Who am I?"  
"Please can't we have less mentions of those xxxxxx black widow spiders!!! Don't you have anything else to write about?"

*I'll continue to update Survey results IF further receipts contradict observed results thus far. I do thank ALL of you for sharing your opinions - both pro and con - with me. Some excellent suggestions were made and I hope to be able to implement some of them soon (see "From the Editor," page 2).*

*The changes probably won't make any non-readers into readers, but perhaps they will please some of you out there. We'll check in again next year to find out!*

(Editor's note: Only one respondent took exception to the little green numbers on the back of the Survey. Maybe there were others who decided not to answer for a similar reason. Let me put your mind at ease... the answer sheets were not coded. If you didn't sign your name or include some other "give-away" comment, there is no way to tell who you are. "Outside" surveys were mailed to individuals, true, but "inside" CONTOURS are distributed in bulk. The numbers were merely to insure that the number of CONTOURS sent back did not exceed the number sent out (wishful thinking, I guess) - a precaution occasioned by a not-altogether joking remark from some printers about "stuffing the ballot box." So relax; Big Brother is not watching you.

# ANIMAL RUN

Cool off the wires from DMA comes this update on final results of the DMATC to HQ DMA "Animal Run" held 16 September.

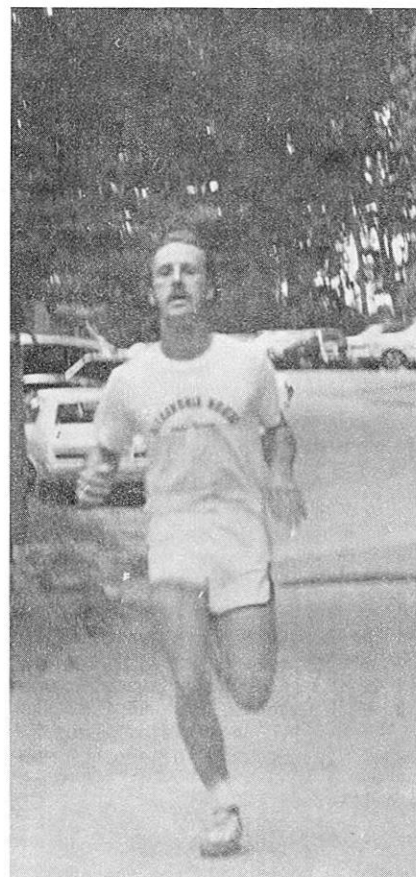
Rules for the run were simple: start at the flagpole at DMATC and finish at Building 56, Naval Observatory, choose your own route, no vehicular assistance permitted.

14 men participated in the run, competing for the title of Maximal, as opposed to Minimal, Animal. Maximal and Minimal Animals were determined in 10-year age groups, starting with age 20.

Two outstanding Animals were identified during the run: LON NAYLOR (36) of DMAHC averaged 6 minutes per mile to complete the approximately four and one-half mile course in 27:02 and became the Maximal Animal of the mappers. DOUG REKENTHALER at age 40 and 220 lbs unquestionably won honors as the biggest Animal as he completed the course in 10th place overall with a time of 34:18. Only one mapper lost his way between DMATC and HQ DMA.

Times and places for all finishers are listed below:

PLACE	ORGANIZATION	NAME	TIME
1	DMAHC	Lon Naylor	27:02
2	HQ DMA	Ken Daugherty	29:52
3	HQ DMA	James Johnson	30:31
4	HQ DMA	Bob Wetherbie	31:53
5	DMS	John Woodburn	32:16
6	DMAHC	Jerome Jerome	32:22
7	DMS	Howard Kidd	32:29
8	DMATC	Fred Perry	33:01
9	DMATC	Jack Garrett	34:15
10	HQ DMA	Doug Rekenthaler	34:18
11	DMAHC	Phil Eppard	34:39
12	DMAHC	Bob Beaton	35:56
13	HQ DMA	Dan Clark	36:58
14	DMATC	Lester Gesell	49:46

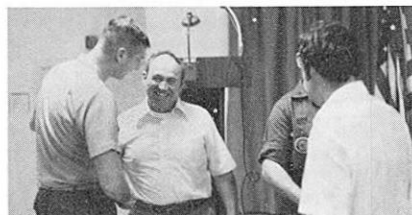


*John Woodburn of OSIR strides right for the DMS Animal Kingdom.*

## INSTRUCTOR OF THE QUARTER



"Jake" Jacobs of GAD accepts the Instructor of the Quarter award from COL Wintz, who claimed he should get credit for Jake's course because he audits it in his office.



The famous Jacobs grin...

## Farewell to Two Air Force 'Old Timers'

by CW3 Maxwell

TSgt's David W. Cook and Gerald D. Eaton will depart DMS on or about 15 October. After six years with the Carto Compilation Division, TSgt Cook has been cross-trained into the procurement career field and is being reassigned to Patrick AFB, Florida. TSgt Eaton has been with the Carto Compilation Division for five years and nine months. He is cross-training into the Personnel career field and will be stationed at Shaw AFB, South Carolina, after completing Tech School at Biloxi, Mississippi. Sergeants Cook and Eaton are also finally bidding farewell to one another after serving together in the same units for the past eleven years.

We'll badly miss the excellent support these two fine instructors have provided the Carto Department.

They were also a great asset to the DMS and Fort Belvoir bowling and golf teams. Good luck to both of you in your new assignments!

## CPT Faxon Promoted

TSD's CPT Don Faxon was promoted to Major on 3 October. Assisting in the pinning of the leaves were LTC K.W. Barrand, Director, Combat Development Command, and COL Wintz. Heartiest congratulations, Major!

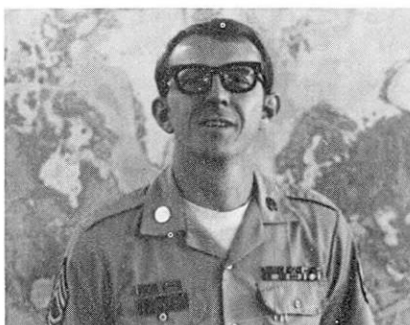


COL Wintz and LTC Barrand do the honors at MAJ Faxon's promotion.

## Recent Promotions in CD

by CW3 Maxwell

On 1 October 1977, two of our fine instructors in the Carto Compilation Division received new military titles.



SFC Dennis Johnson

SSG Dennis Johnson has become Sergeant First Class, and although he hasn't been around the School for a very long time, he has proven himself an outstanding instructor.

SSgt Jerry Eaton has received a well-deserved promotion to Technical Sergeant. We extend our sincere congratulations to them and their families on this achievement. Keep it up, guys!

## LTC MAXFIELD RECEIVES AWARD

On 13 October, LTC Norman R. Maxfield (PPO) was awarded the Meritorious Service Medal (First Oak Leaf Cluster), for his outstanding service while Project Director, DMA IAGS, Peru Project, Lima, Peru, from September 1974 to August 1977. LTC Maxfield managed an international bilateral mapping agreement between the U.S. and Peru; he also coordinated the implementation of the Latin American Doppler Program. In addition, he was responsible for the coordination between the Peruvian Hydrographic Agency and NAV-OCEANO in the soon-to-be-signed HARSAP Agreement, which will result in the production of nautical charts of Peruvian coastal harbors.



COL Wintz takes pleasure in pinning on LTC Maxfield's Meritorious Service Medal (First Oak Leaf Cluster).

## FAREWELL TO A FINE INSTRUCTOR

by CW3 Maxwell

The Department of Cartography and Applied Graphics extends its sincere appreciation to SGT James McKay, who is departing for his second tour in Germany. He will be assigned to the 15th Ordnance Battalion in Darmstadt. Jim has been with us for approximately three years, and has done an outstanding job during that time. We want to say, "Thanks for a job well done" and hope that he returns to us again. We hope Jim and his family enjoy their tour to the "land of good beer."



# CONTOUR

VOLUME 4 NO. 22

DEFENSE MAPPING SCHOOL

4 NOVEMBER 1977

## TSD, MTT, MGI, USMC and USAR

Good grief! What are all those abbreviations doing in a headline? I couldn't think of anything else to call an article about members of our Topographic Sciences Department having been part of a Mobile Training Team sent to impart Military Geographic Information to units in the US Marine Corps and US Army Reserve, that's what!

TSD'ers have been traveling far and wide recently — specifically, to Camp Pendleton and Twenty-Nine Palms Marine Corps Bases in California; to Kaneohe Marine Corps Air Station, Oahu and Camp Hensen, Okinawa; and to the 359th Terrain Detachment (USAR), San Diego, CA.

Captains Baybrook and Bush, and SSG Canfield kicked off this spree with their MTT visit to the 1st Marine Division at Camp Pendleton, where they concentrated on introducing Marine Corps personnel to which MC&G products are available and how to get them. During this initial contact between DMS and these Marine Corps units, one of the primary aims was to increase USMC awareness of the availability of DMA services.

The briefings met with great success at both Camp Pendleton and Twenty-Nine Palms. A great deal of this was due to the fact that, for the most part, the audiences were unfamiliar with the MC&G products introduced by our MT team. The portions of the briefings most appreciated were those in which the limitations of standard topographic maps were discussed and alternative uses of maps such as the NATO road and bridge maps, cross-country movement maps, and urban studies were suggested. These portions were so well received that the S2's attending requested they be presented to other officers and NCOs in their units.

Our MTT was gratified to find that its presentation was of such great potential use to the audience. Some suggestions for improvement were made: it was recommended that the briefing title be changed from "Terrain Analysis Training" to "Mi-

litary Geographic Information Products" to more accurately reflect the content of the briefing and encourage more field grade officers to attend. It was also recommended that a full description of the briefing be sent well in advance to each unit involved; our MTT found that without this additional information, the nature of the MTT was not fully understood by installation personnel unit it had arrived.

The MT team also felt it would be useful to re-contact the units that were briefed at a later date to discuss follow-up training requirements.

After Baybrook, Bush, and Canfield (sounds like a law firm!) had finished sunning themselves in California, Captains Filip and Hudson and SSG Lynne winged their way to the Pacific islands to visit the 1st Marine Brigade at Kaneohe MCAS; Camp Smith, and the 3rd Marine Division on Okinawa.

The thrust of their presentation was largely similar to that conducted at Camp Pendleton and Twenty Nine Palms; an added filip (that's no pun: "anything that tends to rouse; a stimulus," says the American College Dictionary) came in the form of the demonstration and discussion of Tactical Commanders Terrain Analysis. Because the "TacCTA" is directly related to the kinds of contingency missions Marines stationed in the Pacific would most likely perform, all personnel were extremely interested.

The third MTT on this recent binge was composed of Captains Baybrook and Filip, and MAJ Griffith. They spent a busman's holiday with the US Army Reserve's 359th Terrain Detachment in San Diego, which had requested the MTT as an outgrowth of a recent USAES bulletin entitled, "Special Weekend Courses for Reserve Components, FY 78."

Part of the briefing content was the same as that given the Marine units, but the preponderance of the time was spent teaching photo measurements and height determination to basic students; and soils traf-

ficability and cross-country movement to advanced students. This encounter was so successful that plans are underway to contact all Army Terrain Detachments to offer our MTT services. In addition, the 359th has requested that an MTT make additional visits in January and March of next year to assist them in training projects, and plans are in the making for the 359th to complete their two weeks of annual training in April here at DMS.

By and large, MTT members felt their presentation was practically a complete revelation to the audience, especially the information concerning the existence and availability of MC&G products. Their experience has shown that this is also largely true of active duty Army officers, and they recommend that a similar briefing be considered for presentation to major Army commands or the various service schools.

Sounds like these guys want another crack at that in-the-news beach they missed the first time around! Maybe we should send along a video crew and film a series of our own "On the Road to..." movies?

## Saudi Arabian Students Graduate BGS



Survey Chief MAJ Millians and Saudi Arabian graduates MAJ Abdullah and CPT Suliman flash radiant grins at the camera. It was a pleasure to have you here, gentlemen!

Story on page 4



Doesn't it seem like we've had an awful lot of visitors lately? Normally, late Summer and Fall are relatively quite quiet and devoted to preparation for the Year-end Director's Conference and other annual introspective staff activities. Ah, but this year.....!

Our international image was bur-nished in the past month by visi-tors from Greece (Admiral Poulidis), Canada (General Kitchen), and the United Kingdom (General Sexton). All of these gentlemen were extreme-ly gracious guests, and exhibited that one quality which seems to in-spire our briefers — enthusiastic interest. We also entertained Al-lied liaison officers to Fort Bel-voir in the same period: COL Patri-cot from France and LTC Erbe from Germany. These officers were wel-comed both as important links to the Engineer School and as neigh-bors. As most of you know, DMS provides informal support to USAES in teaching Allied Officers the de-licate art of creative American cussing.

Late Summer also saw a complete change in the command structure at DMA Headquarters and Fort Belvoir. The Middle Door Ghost got a workout, as reported earlier, during tours by Generals Martin, Kelly, Fiala, and Admiral Collins. It was a heady period, indeed.

One of our latest visitors was Mr. Bob Macchia, Technical Director of ETL. Bob is an engaging and ac-tive MC&G briefee, and he was real-ly impressed by the enthusiasm of our branch and department chiefs. I heard this with a sigh of relief; I was afraid everybody would be burnt out.

I know we've mentioned it in staff meeting, but I'd like to thank that group of surly cynics who transform themselves into bright and knowledgeable expounders of DMS at the approach of a visitor. This includes the supervisor-briefers

and those people like Sergeant Ne-ville, Specialist Sabin, and Mr. Bradley, that our guests always

seem to gravitate toward with ques-tions. Frankly, you make tours a pleasure, not an ordeal.

## SALT TALKS AT DMS

At DMS, we have committees for everything from ERG for major equip-ment to ARC for floundering stu-dents. Abroad at Ft Belvoir is a "shadow committee" with members so heinous and intent so evil that DMS staff members seldom mention its existence. The Director, COL Wintz, aware of this group, often uses the word "traitorous" in description (no, honey, that doesn't mean they exchange green stamps and receipts.)



*Caught in the act, traitors attempt to hide their miserable faces. Can you guess who they are?? "Take 'em out and shoot 'em!"*

The group, almost unmasked in this rare photograph taken by a Con-tour staffer snooping around Wheel-er Hall, is known officially as the Department Chiefs Coordinating Com-mittee, also known as the Sweetness and Light Team (SALT). Their osten-sible purpose is to mesh the opera-tions of our teaching elements and assure that training is well con-ducted and mutually supportive (that means everyone supports him-self and TSD). Actually, their nor-mal agenda usually includes:

- a. Opportunities for staff im-provement.
- b. Suggestions to the Director on staff improvement.
- c. Opportunities for staff im-provement.

Even with such a limited agenda, reliable sources report that the weekly meetings usually run over

the allotted hour when SALT convenes. Some turbulence was noted when the former PPO joined SALT (though only a temporary membership was issued). Discussion time dropped appreciably for the first few weeks, but the group now finds plenty of common ground from which opportunities for staff improvement could be inferred. A high DMS source reports that a plan to electronically eavesdrop on these meetings failed when USAECFB DFAE job estimators were unable to cost the microphone installation until "sometime maybe next year" because of the already strained electrical systems in both Bagley and Wheeler Halls.



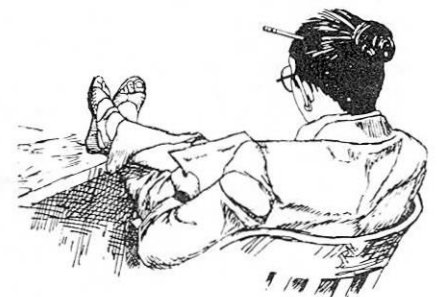
## WHAT, AGAIN??

*Correction:* John Woodburn, DMS Animal, was erroneously attributed to OSIR. We goofed! Anybody knows that all Animals belong to DCAG! In this case, the den is in the Carto-graphic Compilation Division. *Nos-tra culpa, nostra culpa.*



## From the Editor

I know you are all becoming just a tad weary of pleas from the Di-rector and myself for CONTOUR sub-missions...maybe by the time we put the 18 November issue to bed, we'll have some responses to the sugges-tions in the 21 October issue. Un-fortunately, we haven't gotten any in time for this issue, so I've had to "fill in" with some Manov Mem-orabilia. Hope you enjoy them, and if not, remember the CONTOUR is what YOU make it!



The Defense Mapping School CONTOUR is an authorized newspaper, published bi-weekly by and for the DMS, Defense Mapping Agency, under the provisions of Department of Defense Instruction 5021.4. Views and opinions expressed in this publication are not necessarily those of the Department of Defense. Address all communication to:

Editor, CONTOUR, Defense Mapping School, Fort Belvoir, VA 22060  
 Director: COL Edward K. Wintz  
 Editor: Lynne Manov

# New Name — Have You Noticed?

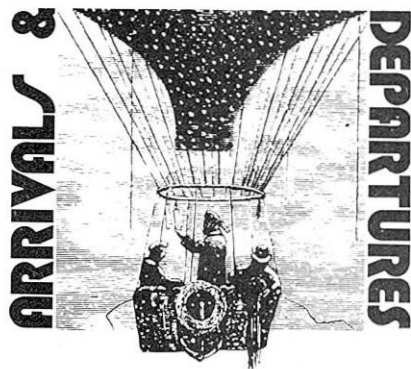
by Maj Kinnan

Effective 1 October 1977, the Department of Cartography became the "Department of Cartography and Applied Graphics." Try saying all that into the telephone before asking, "May I help you?" It's quite a mouthful.

Why has the name changed? Well, during the 1976 Manpower Submission, the cartographers in the Dept of Carto felt that the Construction Drafting Division was not getting enough recognition for the vital role it plays in the DMS mission. So, the cartographers recommended the name change. It was readily endorsed by each supervisor, including COL Wintz.

We aren't doing anything different (except maybe better), but we do have a new name. We think the name recognizes the total mission performed by the Department of Cartography and Applied Graphics.

(P.S.: MAJ McClatchey suggested a different name: Dept of Carto, Rectification, and Analytical Photogrammetry; but the acronym was not as suitable as DCAG.)



MSGT ERNIE BANKS hails from Georgia but now claims he's a transplanted Texan — the result of having spent 6 years in Waco at the now defunct James Connally AFB. Now with GAD's photolith department, Ernie's last assignment was with the Cartographic Technical Squadron at March AFB, near Riverside, CA. He served there as Chief of the Photolithographic Branch, a production operation in support of DMA-AC. Ernie and his wife, Wanda, have 4 children: Tony (15), Ernie III (12), Pamela (9), and Darrell (7). With all those young athletes around, Ernie naturally "relaxes"

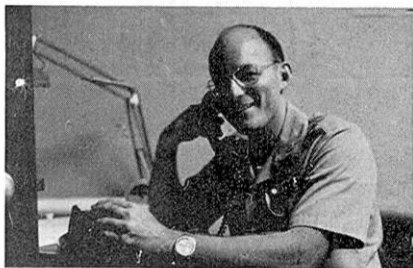
coaching Little League sports. As they'd say in Texas, "Howdy, Ernie!"



MSGT Ernie Banks oversees a student's operation of the Verityper Headliner.

Captain Robert Nelson took over on 21 September as Chief of Survey Department's Geodetic Survey Division. His last assignment was as Terrain Intelligence officer for the 517th Engineer Detachment (Terrain), where he worked in close cooperation with the 649th Engineer Battalion in Schwetzingen, W. Germany. He spent 4½ years in Germany, during which time he also served as a company commander in the 54th Engineer Battalion (Combat) at Wildflecken and as Assistant S3 at Schwetzingen.

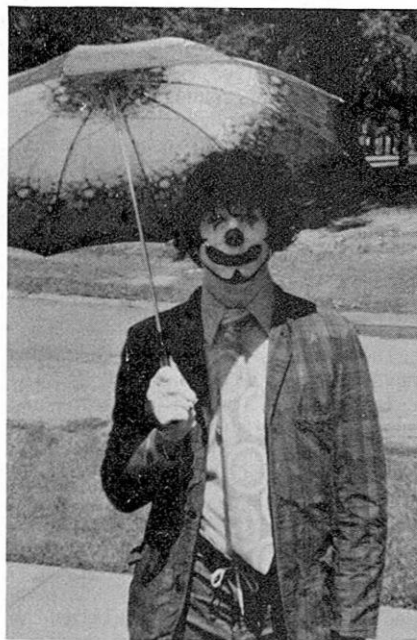
Bob's wife, Susan, is an Army brat, which makes their three children second generation brats: Andrew (5), Barbara (2), and James (1). The three youngsters keep Bob and Susan hopping, but they still find time to submerge themselves in their favorite pastime, scuba diving. Bob got "deeply" into this in Germany, where he was certified as an instructor by the Association of Canadian Underwater Councils (in Germany, seems only the Canadians have on-base swimming pools!). He says he's interested in starting a scuba program at Fort Belvoir. Glad to have you with us, Bob!



CPT Robert Nelson sorts out a last minute graduation snafu. Doesn't look too bad!

See DEPARTURES, page 5

# MYSTERY PERSON



Would you exchange this clown for a camel? What good is a camel without a flea? Wearing a real paper, rags and tissue outfit here, he usually is a little sharper dresser.

ANSWER TO 21 OCTOBER MYSTERY PERSON



A famous person, who shall remain nameless, said, upon seeing the picture, "I know who that is without reading the clue. It's Sergeant Sutton." Well, if that's what the rest of you thought, you were wrong, too. The clue was brief 'cause we didn't want to make it too easy. The real giveaway was the POP, whose letters, when rearranged, make PPO. "Square" is also a favorite description of that which sits upon the shoulders of German natives. While the little guy does look a little like Frank Bruley, it's the larger of the two who provided the mystery, and he looks enough like George Brabetz to be he, which he is, or whatever.

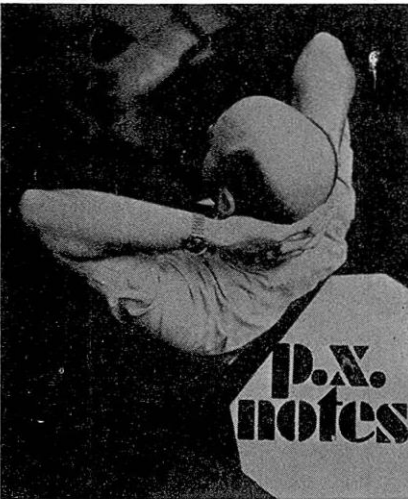
## SAUDIs, from page 1

by Mark Thomas

MAJ Abdullah and CPT Suliman, oil magnates from Saudi Arabia who recently graduated from the Basic Geodetic Survey course on Friday, 21 October 1977, are now on leave until the next AGS course starts. CPT Suliman has gone home to Saudi Arabia to pick up the few gallons of gas requested by the instructors of BGS. MAJ Abdullah will divide his leave between Ft. Belvoir, California, and Florida. He may also need some of the bootleg gasoline by the time CPT Suliman returns!

The graduates at times seemed to have problems with their HP 21 calculators in that the addition and subtraction did not translate properly into Arabic, but by the end of the Course they had overcome this difficulty. They are now eagerly awaiting the AGS Course so that they can begin applying their newfound Survey knowledge.

We the instructors of BGS wish MAJ Abdullah and CPT Suliman the best of luck in their next course.



by SGM Bill Locke

It's not "Toys-R-Us," of course, but our Belvoir Toyland does a pretty good job. I have always resisted talking about "you-know-what" when it's still several months away, but it is coming and Toyland is prepared. Most of the holiday stock is in and the remainder is arriving every day.

Ms. Lewis, Toyland supervisor, says now's the time to do some of that special holiday shopping. When something goes out of stock, it's unlikely she'll be able to get more before "that" day, although she'll

try.

Operating hours currently are from 1100 to 1700 hours Tuesday through Saturday. As the holidays approach however, these will be undoubtedly extended. For those of you who didn't know, Toyland has been open year round now for some time.

Don't know if you've noticed, but the art supplies, birthday party accessories and models have disappeared from 4-Seasons and have reappeared at Toyland. A special note about art supplies is in order. In order to provide a selection of supplies, the Exchange has procured a new supply of paint by Grumbacher for the discerning artist, in addition to the brands already on hand.

Ms. Lewis is trying to expand her line of "older children" items and in my opinion, is doing it well. Besides a nice supply of posters (I could hardly tear myself away from Farrah), some of which are for use with "black light", there are chemistry, biology and geology "sets," microscopes, electronic sets, pool tables and pinball machines. The latter two items are hard to display because there isn't a lot of room, so if you're interested, talk to one of the lovely sales ladies and they'll be glad to describe it for you or lead you to the stock room and let you take a look.

With only about 60 days remaining, if you're going to take advantage of lay-away, you'd best get cracking. Some of the more expensive items lend themselves nicely to that program, and of course it's one way of insuring they aren't all gone by the time you break the piggy bank.

I couldn't possibly list everything, but in addition to those specific items mentioned previously, there are also: marionettes, dolls Tonka toys, View-Master Talking Shows, Superjocks (base-, foot-, and basketball), train sets, road racing sets, books, games, and puzzles; string art, models, sleds, tricycles, wagons, matchbox toys, Odyssey TV games, Riviton by Parker Brothers, and Leggo are on the way. No one has been intentionally slighted — there's just so much! Ms Lewis says that if you can't find an item, please ask. If it can't be gotten for you, she'll say so, but will certainly give it the old "Toyland try."

Refunds/adjustments? For sure! Remember, though, you must have a sales slip and the item must not show signs of abuse.

I would like to add a personal note at this point (you'll probably think it's more of a "sermonette").

You folks realize that Exchange profits benefit us in many ways. When children are turned loose in Toyland to run rampant, playing with everything in sight, we lose some of those benefits. So please, parents, let's show some consideration for the system as well as for other shoppers. Additionally, please read thoroughly all the instructions, special notes, etc., that accompany your newly purchased merchandise. It places sales personnel in an undesirable position when you ask for a refund and it's obvious the merchandise was damaged because you put the batteries in backwards, or the left ribbetframus wasn't tightened after every use, or whatever. Our Exchange employees are pledged to treat you and me as they'd like to be treated, so let us make a special effort to do the same. Amen.

Please drop in at Toyland — they may have exactly what you've been looking for. I've already picked out my — I mean my childrens' — next toy. And don't forget, if it takes batteries (and what doesn't these days?), they sell those, too.

P.S. Did you notice that the Commissary was closed 22-24 October but your PX provided full service two of those days? Another example of that service to the community that we often take for granted.

## Super Duper Pooper Scooper

by Lynne Manov

I've recently become a mother. SHOCK! SCANDAL! Not that kind of mother, honey. Some of you may have been fortunate enough to catch a glimpse of my "baby" already — a fuzzy, floppy, fat, funny bundle of puppy named Missie.



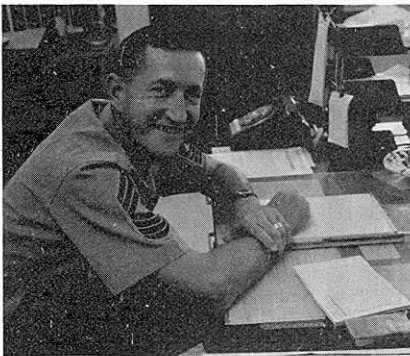
Missie samples a gourmet treat on an outing down the Skyline Drive.

See SHAGGY DOG STORY, page 6

## DEPARTURES, from page 3

MGySgt BILLY RAY LAKE, a good ole boy from Handley, West Virginia (that's near Charleston, folks), is our new Senior Instructor in GAD. Billy came to us from the Marine Corps Development Center at Quantico, where he was project officer in charge of the development and testing of office and printing equipment for the Marine Corps. Remember those four "mobile reproduction facility" vans that were parked in our lot for a while? Billy worked on their design and testing, as well as on the testing of the American Type Founders' Chief 15 press which we now have in our press room.

Billy and his wife, Bettie Jo, have "no children." They do, however, claim two "grown men," Billy Joe (22), and Bobby Ray (19); that makes two BJs and two BRs. In his spare time, MGySgt Lake officiates at basketball, softball, and baseball games for High Schools all over Prince William County, and also at inter- and intra-service games. He's a member of the Quantico Officials Association, having completed thorough training courses under their auspices. He also takes off occasionally to hunt bear, deer, and squirrel in the wilds of wonderful West Virginia. Welcome aboard, Billy!



*MGySgt Lake settles into his new job as Senior Instructor, GAD.*

As MSG PHILIP DUNN would say, "The transfer request I put in for Germany in 1970 finally came through." TSD will be bidding farewell to another long-timer; Phil's been with DMS for 8 years, beginning with a stint as NCOIC of Construction Survey; he weathered the switch from Topographic Survey to Geodetic Survey; and finally was claimed as Senior Instructor, Topographic Survey Course.

In a fitting farewell, MSG Dunn was awarded the Joint Service Com-

mendation Medal on 27 October. The Citation lauded his accomplishment in devising a set of standards for judging field personnel which insured an objective and consistent evaluation of any exercise. MSG Dunn's expertise will surely be missed, but we know he'll thoroughly enjoy his assignment to the 227th Engineer Detachment in Karlsruhe, W. Germany. Bon voyage, Phil!

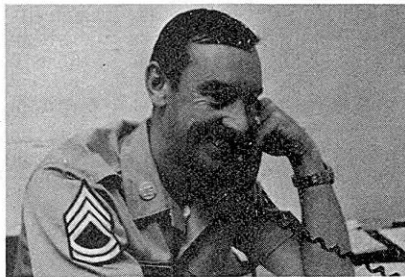


*MSG Dunn's resting on his laurels before leaving for Germany.*

SFC HENRY WOOLDRIDGE is just going across the street to Building 207 to the 30th Engineers' Topographic Division, where he'll have the job of helping produce SQTs, Soldiers' Manuals, Commanders' Manuals, and ARTEPs for the entire Army cartographic field.

"Woody" has been with DMS for the past 3½ years — mostly as an instructor in the Photogrammetric Compilation course, before switching over to finish up as an instructor for the Basic Cartography course.

Woody won't be far from us, and will be working with former DMS'er Mr. Huber, who used to be course manager for BCart. So don't be a stranger, Woody!

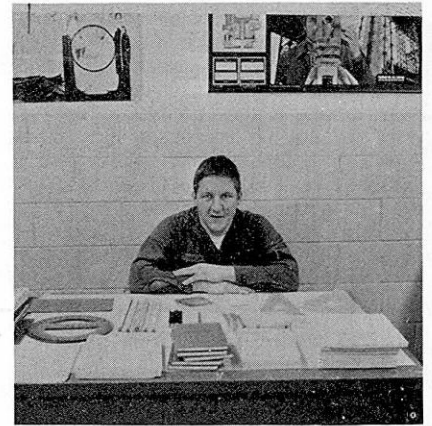


*SFC Wooldridge's job requires a lot of telephone time.*

SSG MICHEAL JOHNSON doesn't look mean enough to be a Drill Sergeant — though he says his wife thinks he does! Nevertheless, he's leaving DMS for Fort Leonard Wood, MO to attending the 6-week Drill Sergeant School there, under the Career Development Program. If all goes well, he'll be assigned there as a Drill Sergeant for the next two years.

Mike has survived two years and nine months with DMS, beginning and ending in Construction Survey. In between, he spent a year plus in Geodetic Survey, and a few more months as NCOIC of OSIR. He's done a little bit of everything in the classroom and in the field, and in the process has learned to lose at least part of his fear of heights while clinging to the top of a pine tree in freezing weather, clearing lines of sight. Coming in to thaw out, he also has found himself re-writing 110 lesson plans in a three-month period, the highlight of his career.

Ft. Leonard Wood is just a hop, skip, and a 175-mile jump from his home in Smithboro, Illinois, so Mike is looking forward to his stint "down south." It's the closest he's ever been to home since he joined the Army! We'll miss you, Mike!



*SSG Johnson's all set for a new class — but he won't be there!*

CW2 CHESTER WHITE has been around DMS for quite a few years, but he's finally moving on — to Texas, even. At Fort Hood, he'll be working with the 524th Map Reproduction Company. His coworkers vouch for the fact that he's a darn good all-around man, and Mr. Mac says his maintenance ability alone is fabulous. His loss to DMS will be a real one.

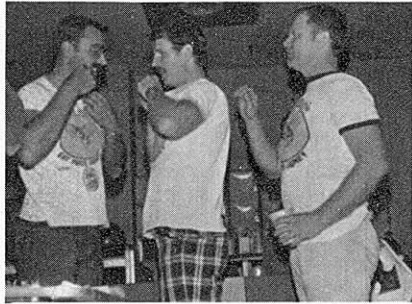
While he was here at DMS, Mr. White made a number of significant

See MR. WHITE, page 6

## DMS BOWLING LEAGUES UNDERWAY

by Gary Thompson

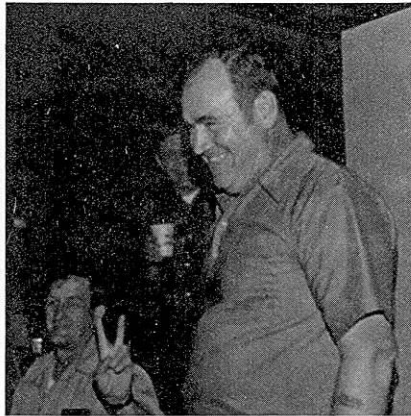
If you've recently seen some DMS-ers hobbling around in a peculiar chimpanzee-like posture, one arm longer than the other, chances are they're members of a DMS bowling league. These guys really go at it whole hog.



*CPT Wayne Baird appears to be officiating in an altercation between the late, great James Hey and Jay McClatchey.*

We have two teams participating in the USAES officer league which bowls on Tuesday nights. The TEBs currently boast a 13-11 record, while the DMS (1) (catchy name, that) sport a roaring 9 and 15. Some of the high scoring Bees are Wayne Baird with a 163 average, Jay McClatchey (a mean 150) and Tom Baybrook, who's been knocking down an average of 149. Some of you may not be impressed but these guys are consistent, and that's not easy. Additional team members are no slouches either: Tom Filip averages 156; Willie Hudson generally scores about 126, Don Bush usually pencils in a 110, and Gary

Thompson mostly brings down a 131 or so. They may not be BIG pin pushers, but they're tremendous beer drinkers and really know how to enjoy themselves. Jim Hey was a regular until he left; he averaged a big 172 and we're sure going to miss him. Thanks, Jim, wherever you are.



*"Jake" Jacobs is feeling fine, and John Connors did all right for himself, too.*

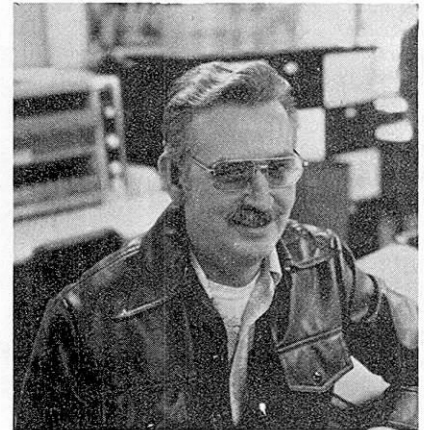
DMS (1) has had a slow start but their 9-15 record is sure to improve. They, too, have a good time and enjoy the beer frame. High man for the team is Dick Weber, whose 171 average is getting right up there. John Jacobs customarily turns in a score of 159 or thereabouts; and Wilbur McCullough (150), Chuck Barrett (149), and Charlie Lundmark (143) are not far behind.

We wish both teams the best, and good luck for the rest of the season.

## MR. WHITE, from page 5

contributions to the School, including his extremely effective testing and determination of a substitute for the troublesome isopropyl alcohol dampening system. His contribution toward the eventual implementation of the new CRI grading system for GAD students, for which he compiled a year's worth of data, was also a very worthy accomplishment.

Your friends at DMS wish you a good trip and the very best of luck.



*CW2 White bids farewell to DMS.*

follower of the supper dish, but when that's empty, she'll look for a snack of fingers or toes. When thwarted in this endeavor, she settles for shoelaces or apple cores. Toys designed for teething puppies hold little fascination for her, though; she much prefers a good stick or table leg, and is particularly fond of a good game of tug-of-war with a dishtowel dragged from the drying rack, or a nice nylon stocking filched from the laundry basket. She has also sampled such delicacies as horse manure and hoof clippings on her barn outings, but finds them a bit spicy for her as-yet-immature tastebuds. In true canine fashion, a good hefty bone beats everything, and must be protected from usurpation by discrete burial under the bathroom carpet, where it creates interesting sensations under the bare feet of unwary humans.

She regards humans as convenient, but can't tell the difference between them yet. People must look pretty much alike if you can only see as far as the shins!

One thing, though — it'll really be nice when Missie outgrows her predilection for "interior decoration" and graduates to "landscaping."

## SHAGGY DOG STORY, from page 4

Missie is not an "only dog." She shares the house with Roommate #1's dachshund Guinevere and Heinz "Bandit;" Roommate #2's cat, Nanki-Poo, and my cat, Snuffy. But being the youngest is never easy, and the other siblings get their noses out of joint. Snuffy hasn't spoken to me since Missie moved in, except to loudly voice false allegations about not having been fed.

Puppies' sanitary habits being what they are (unreliable), I procured a gate of the variety commonly used to prevent toddlers (human) from falling down stairs. In this case it's supposed to prevent Missie from gaining access to the carpeted second and third floors of the townhouse. I soon discovered

that Missie just scrambled through the openings in the gate — and left her calling cards all over the carpet on both upper stories.

I added an expandable window screen to the child gate — and Missie simply went around those. Showing acrobatic tendencies, she crept along the ledge outside the stair railing — something she probably learned from the cats.

Ultimately, I moved the gate and screen combination to the fifth step where there is solid wall on both sides. Now Missie has to confine her talents for interior design to the asphalt tiled ground floor.

In addition to her flair for escape artistry, acrobatics, and interior design, this canine wonder is also a gourmet. She's an avid

# Gonzales and Son Make Carto a Family Affair

by Lynne Manov

Our famous nailer-on of stripes, Master Gunnery Sergeant Victor B. Gonzales, is facing competition from his son, PFC Victor M. Gonzales, who is currently a student in the Basic Cartography course.

You could call them "Little Vic" and "Littler Vic" but the description wouldn't be all that appropriate. Both are big on the Marine Corps.

"I never knocked any other service," says MGySgt Gonzales, "but I guess deep down I hoped my son would follow in my footsteps. I always told him to do whatever he wanted to do, but to do that well."

Victor M. comments, "It's kind of a tradition. My father is in the Corps, and I'm in it, and I sure hope my sons will be, too."

If this seems like prior planning, it is. PFC Gonzales had a candidacy to the Coast Guard Academy, but turned it down to enter the Marine Corps. He plans to go to college, though, to study engineering, and then to re-enter the Corps under an Officer program.

Engineering being related to Cartography, PFC Gonzales is starting off well in his BCart course, and is enjoying it, too. He says he's very impressed with the caliber and helpfulness of his instructors (not



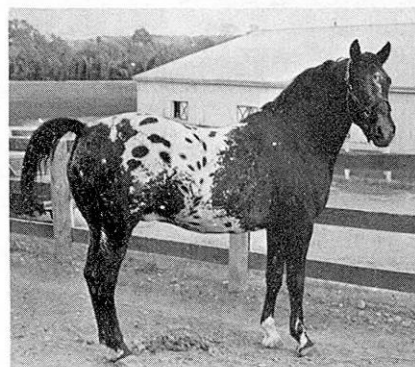
*Marines Victor(s) Gonzales, father and son — both proud of the Corps and of each other.*

one of whom is a Marine!). Vic M. is aiming at the top five cut-off mark, and hopes to be able to get assigned to Okinawa or elsewhere outside the continental US. That's not to get away from home, though! When he finishes his duties at Co. A3, he heads for his family's house on Gunston Road for a home-cooked meal and a warm bed, and says he really appreciates the chance to be near his family — something not many young Marines can experience.

MGySgt Gonzales has just finished 24 years with the Marine Corps, but doesn't try to influence his son's career plans. Though Vic M. can't say for sure that he'll equal his father's length of service, their pride in the Marine Corps is certain.

years I've owned them, and came with me from California, where they were born and raised.

I show both animals at 3 or 4 shows a year — all I can afford without a truck and horse trailer. I enter Drifter in classes in English and Western Pleasure and Equitation (one judges the horse; the other, the rider), classes over fences, and classes where they are shown at halter — sort of an equine beauty contest. Cat enters these last, too. They usually manage to bring home a ribbon or two, which is not only gratifying but also rewarding in terms of increased resale or breeding value.



*Timberline Drifter surveys his domain at Woodlawn Stables.*

In preparation for these events, I can usually be found at the barn most evenings and weekends for 3 or 4 hours, mucking out dirty stalls, grooming, cleaning tack, and even actually riding.

## Combined Federal Campaign Winds Up

Thanks to all of you who "dug down and shook loose" for this year's Combined Federal Campaign. DMS has met and — yes! — surpassed its goal.

92 DMS'ers (55%) came through with payroll deductions totalling \$4,655.25 (85% of the total). 76 of our folks (45%) put in \$792.25 in cash (15% of the total).

The average payroll deduction was \$50.60 and the average cash contribution was \$10.42, making the average per capita gift \$32.43.

What all this adds up to is that 168 contributors (91%) donated \$5,447.50, surpassing our goal of \$4191.00 by 30%.

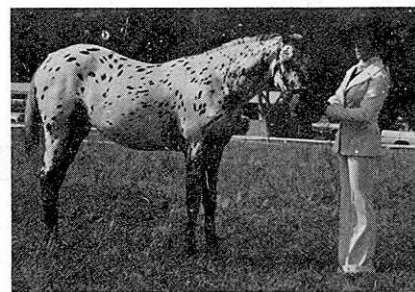
Thanks again to every one of you for your generosity.

## EDITOR HORSES AROUND

It's difficult to be in a position of blowing your own horn, but if I expect y'all out there to bust loose and toot, I guess there's no reason not to give a blast myself! Maybe it'll break the ice...

A lot of you put in more than an 8-hour day at your work, and some of you even get paid for it — I do too, after a fashion. My "other job" is riding and training horses, and I reap the rewards of returned affection, satisfaction and an occasional blue ribbon. Not to mention chilblains in season, calluses year 'round, and the occasional broken bone.

My "stock" consists of two registered Appaloosa horses — a 15 year old gelding, Timberline Drifter, and a two and a half year old filly, Sweet Thundercat. They've been together for the two and a half



*Sweet Thundercat placed 4th in this halter class photo at a San Luis Obispo, CA show, handled by one of Lynne's 4-H students.*

A word to the wise — never tell a female child (statistics show the female is more susceptible than the male) what a horse is. If possible, never let her even see one. Once bitten by the Bug, the resulting horse fever is almost invariably incurable. Even in the infrequent  
See HORSE HOBBY, page 8

## GENERAL MARTIN GETS STAR #3



Lt Gen Abner B. Martin, USAF, Director of the Defense Mapping Agency, receives his third star with the help of Gen George S. Brown, Chairman of the Joint Chiefs of Staff, and Mrs. Martin. In the ceremony, General Brown commended General Martin's efforts as B-1 strategic bomber program director prior to his assignment as DMA Director. Congratulations, General Martin!

## WHY AUTUMN LEAVES ARE PRETTY

Every fall we, in North America, enjoy the autumn foliage.

In continental Europe, Asia, and the Southern Hemisphere, the climates tend to be too damp or too dry, temperatures too hot or cold, or evergreens too predominant for a generally colorful autumn.

North American hardwood forests, however, have all the essentials to produce nature's brightest pageant. The forests support a great variety of deciduous trees, species whose leaves turn color and drop in autumn. More than a hundred kinds of deciduous trees grow in some areas.

Fall weather in the eastern forests is just right for development of leaf color: clear, bright days and cool, crisp nights.

Contrary to popular belief, frost has little to do with developing the beautiful reds, browns, golds, oranges, scarlets, and yellows, according to the National Geographic. In fact, a heavy frost early in the fall tends to produce dull brown leaves.

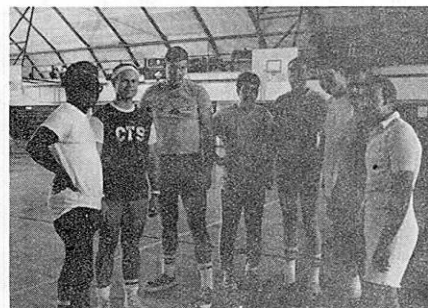
Reduced daylight, not temperature sets off the change in leaves. As

## MC&GOC 30 - DMS FACULTY & STAFF 22 IN ANNUAL BASKETBALL BATTLE



The MG&GOC challenging team members were (left to right) 2LT Tim Timmons, 2LT Francis Smith, CPT Brian Robinson, 2LT Steve Sariginias, 2LT Barry Leigher, 2LT Donald Dornstader, 1LT Gregory Johnson, and CPT Kenneth Do-beck.

A highly contested and spirited challenge basketball game was play-



DMS was represented by CPT Willie Hudson, CPT Wayne Baird, LTC Paul Westphal, Jr., CPT Gary Thompson, CPT Tom Baybrook, CPT Steve Sigmon, LTC John Shane, and CW4 Charles Barrett.

ed at Wills Field House on the afternoon of 28 October. A young, scrappy MC&GOC class (3-77) team edged the TSD team 30-22 in the final minutes, as the DMSers faded.

the days grow shorter, foodstuff in leaves drains back into the tree's branches and trunk. A layer of small cells forms at the base of each leaf, sealing it off.

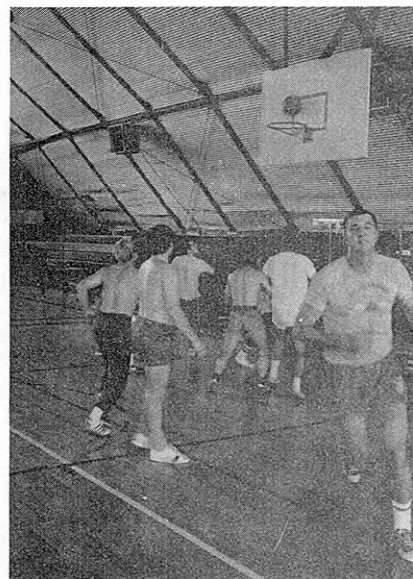
Chlorophyll, the green matter in leaves, is no longer renewed by the tree's circulation and bleaches away. Pigments that were masked by chlorophyll in summer then appear.

Two pigments, carotene and xanthophyll, give leaves their yellow and orange colors. Reds and purples are produced by anthocyanins. Brown tannin pigments blend with the xanthophylls to produce yellow-gold and gold-brown leaves.

City trees, beset by smog and other pollution, face an added hazard in the fall. Street lights, acting like daylight, often tricks nearby trees into staying green longer than usual -- stimulating undesirable growth that makes them vulnerable to frost.

### HORSE HOBBY, from page 7

cases when a cure is effected, the disease is likely to prove fatal to the budget before the patient has recovered. But those of us who are terminally ill with horse fever will die happy, after many years of useful service. I can vouch for the veracity of the saying, "There is something about the outside of a horse that's good for the inside of a child."



"These guys are nuts! I'm getting the heck outa here!"

LTCs Westphal and Shane, and the sundry Dial-a-Captains enumerated above led the DMS attack against the numerous young Captains and Lieutenants of MC&GOC, who were led by Coach "Redneck" Tyler (of the Alabama National Guard).



# CONTOUR

VOLUME 4 NO. 23

DEFENSE MAPPING SCHOOL

18 NOVEMBER 1977

First of Two Articles

## MC&G-Related Training Construction Drafting

Why is the Defense Mapping School teaching construction drafting? That's a good question. What's your next question?

No, seriously folks, this apparently illogical situation derives from a series of logical steps, to wit: (1) Construction draftsmen are assigned to Engineer Battalions and larger Engineer organizations. (2) Therefore it is logical to assign the training of construction draftsmen to the Engineer School. (3) When the Defense Mapping Agency (and thus the School) came into being, it was logical for us to retain responsibility for teaching those courses which the Department of Topography had been teaching under the proponency of USAES. (4) Finally, much of the equipment and technique used in Construction Drafting is logically duplicated in Cartographic courses. (5) There now, wasn't that logical?

Now that we've gotten that settled, let's get down to brass tacks. DMS has, at present, 7 or 8 Construction Drafting classes within its Department of Cartography and Applied Graphics. With supreme logic, these are taught by the Construction Drafting Division.

Each class is comprised of about 30 students, who are expected to digest a truly astounding amount of information in the course of an 11-week period. Students generally come straight from Basic Training; the majority are Regular Army but there are also a few National Guard or Reserves in each class. Marines make up roughly 20% of the CD student population, and there is often a sprinkling of Allied students as well. So far the Navy has only sent one student; the Air Force trains its own.

CD students are not expected to have any prior drafting experience but are required to have a high school diploma or equivalent, and to show acceptable levels of manual dexterity, hand-eye coordination,

and the ability to visualize three-dimensional objects on a two-dimensional plane — skills which are measured by the GT score and by various other diagnostic tests.

Students begin their training by learning to use the scale, T-square, compass, and triangle, and move on to drawing straight lines at various angles. Next on the agenda are curved lines, which are then combined with the straight ones. After learning freehand lettering, the students are ready to move on to mechanical drawing.



*CD Instructor Steve Falkenthal assists student SP4 Mickey Wise on a fine point regarding mechanical dimensioning. SP4 Wise is in her fourth week of Class 001-78.*

This section begins with drawing a flat mechanical piece such as a key plate or mounting surface. The students then progress to orthographic projection — drawing front, top, and side views of objects such as beam supports, bearing rests, and gage holders. They also receive instruction in engineering sketching, dimensioning, and in drawing sectional views. Moving right along, the students tackle pictorial views, followed by perspective, isometric,

and oblique drawings.

At this point, the metric system is introduced, and students are required to complete a mechanical drawing using this new (to them) system. And they're also introduced to the Engineer Scale when they take on civil engineering drawing, which includes exercises in drawing road plan views, road profiles, grade lines, cross sections, and dimensions.

See TRAINING, page 3

## Life on the Third Floor

by Maj Kinnan

When the time of the big move at Wheeler Hall came — December, 1975 — there was much weeping and gnashing of teeth. Looking back, however, that move did plenty to help the organizational aspects of teaching. Departments were consolidated on separate floors. The negotiations as to who got which floor were intense.

In retrospect, the Department of Cartography and Applied Graphics made out like a bandit. No one ever dreamed of all the benefits which would accrue to those individuals who inhabit the third floor.

The time has come to reveal all! The list below is only a partial one, since some of the benefits are secret.

- Built-in exercise program.
- Inspectors and staffers never seem to have the energy to make it up to the third floor. (The exceptions to this are so tired by the time they arrive that their vision is impaired.)
- Screams from students cannot be heard at street level.

See THIRD FLOOR, page 2



No central theme this time, just odds and ends (Cynical Reader: "Really? Is there ever one?")

We have started a breathtaking initiative: (Cyn. Rdr: "Any DMS initiative would be breathtaking.") with the CONTOUR. We will ask each of our fellow Component Directors to send us a brief front page article on either their relationships with DMS or anything else on their minds. These articles should contribute to fostering the DMS community spirit, and also lay to rest the rumor that some of us are functionally illiterate (but great with numbers). I've already sent a letter to this effect to COL John Park at IAGS, since 1) he runs the other Funny Component, and 2) it takes so long for him to reach an opinion on something (That's a little Inside Humor) (CR: "I'd hate to hear a lot!). Colonel Park is starting a program to respond to the schooling needs of his supporting/supported Nations more precisely, and DMS will very likely become involved in this effort.

I hesitate to task DMATC's new Director to participate in this exercise. The only real difference Colonel Lund and I have ever had over many years concerned the contents of a unit newspaper. A photo therein was captioned, "Staff Meeting." He thought it terrible; I rolled on the floor. It showed a fully inhabited pigpen.

Given the key support that DMATC provides and the experience of its Director, we'll clean up the issue his article appears in (CR: "You mean no articles by SGM Locke?").

A belated Happy Birthday to the Marines at DMS. Every one of you is great. Our Cynical Reader must remain mute; you do too fine a job.

CR must also be silent over the approaching Holidays. In the Wintz household, the Sears and Toys 'R Us catalogs are out, youthful scholars are enjoined to study hard for tests and final exams, and materialistic hints are flying thick and fast. This activity intensifies at Thanksgiving, and Jan and I hope all of the DMS'ers enjoy it as much as we do.



### THIRD FLOOR, from page 1

- Latrine overflows run downhill. Department personnel can look down on everyone in the School.

- Most tours by VIPs are compressed to a maximum of 3 minutes due to accrued overtime of other DMS briefers.

- The hike upstairs takes the morning edge off most students, enabling them to buckle down to work.

Yes, third floor occupancy has its bennies. But principally, living in this rarified atmosphere permits DCAG Chiefs and Indians to keep their heads in the academic clouds, while at the same time concealing their feet of clay in the swirling Olympian mists.

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## HELP!

Captain Byun, a student in the BCART course, needs to purchase a used car. Any DMS employee who knows of a reasonable buy should contact Major Kinnan at 4-3473, so the word can be passed to Capt Byun.

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## From the Editor

At this season of thanksgiving, it is customary, in many circles, for family members to enumerate those things for which they feel especially thankful. We've done this in my own family for as long as I can remember, but now that my "family" has expanded to include DMS, I'd like to share some of those special things with all of you.

1. I'm thankful that I have a lot of bosses (official and unofficial) who are always full of suggestions for the CONTOUR, so that when they bomb I can always blame the failure on someone else, even when it was really my idea in the

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Editor, CONTOUR, Defense Mapping School

Director: COL Edward K. Wintz  
Editor: Lynne Manov

first place.

2. I'm thankful that I live ten minutes from work, which not only saves gas but also makes it not so impractical for me to race home on Monday morning to retrieve the CONTOUR flats I took home over the weekend for Mother to proofread, in time to give them to Top Lake by noon.

3. I'm thankful for John Houchins, who checks the sizing on the photos that go in the paper so that they'll fit in the spaces designed for them. I'm also thankful that after he has corrected 5 out of 21 of them, the Camera fellows call back and say that two of them still don't fit.

4. For the location of Bayuard Pool (only three minutes' walk from Bagley Hall) I'm also thankful, because it allows me to work off some of the calories consumed from George Brabetz's candy jar (when Ed Franke leaves anything in it). I'm also grateful that Fellow Porpoise Sprinsky doesn't have to share the same lane.

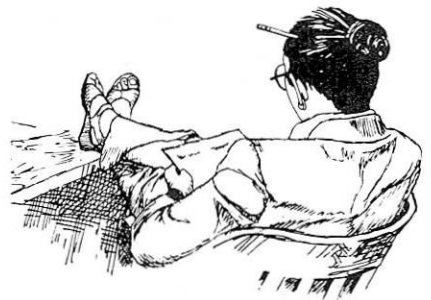
5. I'm thankful for the connivance of Penny Greer, who even though she has a headache from re-typing POM submissions three times because of price revisions, still manages to get two weeks' copy typed in 8 hours; and for the unfailing inspiration of the Director, whose inevitably chuckle-filled column manages to salvage an otherwise dreary issue, even though some day he's going to be hoist on his own petard.

6. The one day I had occasion to ride in the van with John Linsey, he didn't hit anything, and am I ever grateful for that.

7. I'm appreciative of all the veiled, innuendo-filled, insinuating (dirty) remarks made by some of the male DMS staffers, because they really do worlds for my ego, and I'm thankful that none of them has had the gumption to follow through.

8. I'm thankful I have a job that pays me for writing about all the things I'm thankful for.

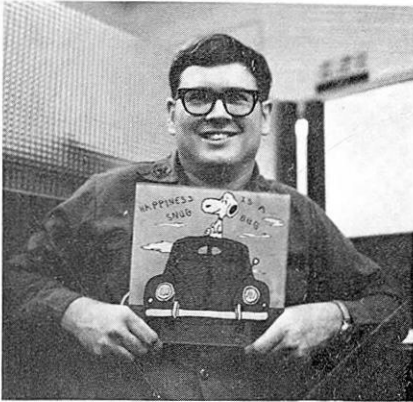
Y'all have a safe, happy, and rewarding Thanksgiving.



# BATT GOES BUGGY

by SSG John Batt

If you know me, you know my hobby. No, it's not irritating people — that's just a sideline. My hobby is summed up in the photo below. I'm a sincere lover of the Volkswagen, known to you non-Bug appreciators as Hitler's revenge.



SSG John Batt and his motto...he made the painting-on-glass tile himself, too. "It expresses my true feelings," he says.

Over the past 10½ years I've owned 35 VWs, 7 of which I still have. Some I buy to fix up and sell, and others just for parts. I've been fairly successful on the buying and selling end of it with only one sale backfiring on me (Sorry, Mr. Marvel!). My true love of Bugs, or rather Love Bug, is my 1951 Beetle. This joy of mine is the basis for my responding to the dirty dozen who replied via the CONTOUR Survey that they'd like to see articles about DMSers' hobbies.

Believe it or not, this one particular Bug, of all the Bugs I've owned, is my hobby. All it is, really, is a life size model kit. Where did I get it? Funny you should ask!

Based on a tip from a fellow VW lover, I drove up a dirt road in North Carolina, and found it lying on its roof, completely stripped of motor, transmission, fenders, hoods, doors, chassis — everything. The only things still on this car were the side windows, speedometer, and some dashboard switches. Everything else, and I do mean EVERYTHING, was gone.

My wife was with me when I first saw it. She saw my eyes light up at the sight of the two small rear windows and immediately said, "No, don't get any bright ideas." (Why

should I start now?) I comforted her with the thought that no one in his right mind would try to restore a car with a caved-in roof, totally stripped, and missing both front and rear aprons.

However, I have never been accused of being in my right mind. I wanted to take on the job.

Nevertheless, if it hadn't been for a friend who already had a "split window" Bug, I wouldn't have bought it. Not that he talked me into it — I just didn't want HIM to buy it first. We bug nuts are funny that way.

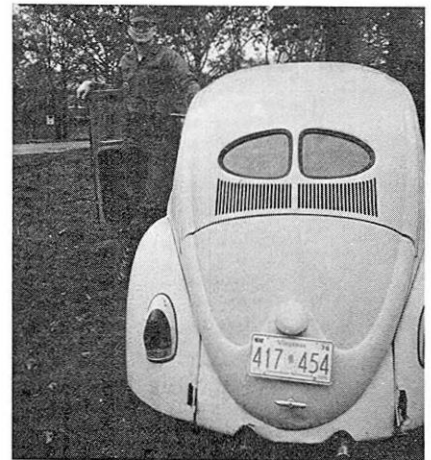


Some work on the Love Bug had already been done when this "Before" photo was taken.

I paid \$10.00 for it and hauled it behind my quarters on Fort Bragg. Putting it together was a blast. I started buying whole VWs for parts: a '57 supplied fenders, hoods, and chassis' a '53, with the rear win-

dows cut out, gave forth brakes; a '66 Bug engine and a '66 Bus engine were combined for the motor. I used at least six VWs to get it on the road. A '64 bug was traded to a GI in return for necessary welding and body work. It was fun and still is — even the fires. To date I've only had three fires in it — all electrical and none serious. In fact, two fires were actually funny. They're stories in themselves, which I'd be glad to tell you if you dare to ask me. One warning, though — once I get started, it's hard to shut me up.

Well, that's my hobby. What's yours?



After: SSG Batt's labors are clearly seen, and yes, it is the same car. Note the vintage "Mox Nix Stix" turn signal.

## TRAINING, from page 1

The first phase concludes with a practical exercise wherein the CD students are required to draw a site plan.

Phase Two, architectural drawing, leads off with a general introduction to the components of a set of plans: site, foundation, framing, roofing, elevation, section, and utility plans; window and door schedules, and materials estimating. Each of these is then tackled in detail, allowing the students to learn to prepare utility and structural drawings.

Because many construction draftsmen are called on in peacetime to double as illustrators, in the last week of the course students round out their new skills by learning how to compose and produce different types of graphs and charts.

CD instructors are competent in each of the disciplines they are

responsible for imparting to their students — a rarity in civilian life where mechanical drafting and architectural drafting are conventionally divorced from one another. They spend many hours preparing not only lesson material, but also preparing themselves to be better teachers.

Mr. Robert Imagine, Construction Drafting Division chief, stresses, "Our instructors are really dedicated to their teaching. They voluntarily initiated remedial training sessions to aid students with below-par mathematical skills or other deficiencies, and many are actively engaged in furthering their own educations so as to become more proficient at teaching. They are truly interested in the student."

(Editor's note: In the next issue, the CONTOUR will explore the MC&G-related field of Construction Survey.)

## MYSTERY PERSON

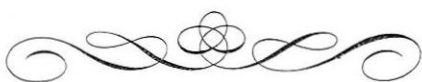
Etennirquees's shouldn't cry. Is it the soap in your eyes? Or are you still having that terrible nightmare where they throw that tall man off the ferris wheel?



ANSWER TO 4 NOVEMBER MYSTERY PERSON



This clown once gazed on camel caravans in northern Iran but didn't get close enough to catch fleas. However, on a subsequent official trip to Germany, the infamous Mark "Merkin" Thomas initiated the clown as a flea. Paper, rags and tissue has been used frequently by a certain LTC, who could use a merkin, to describe the acronym PRT. Wearing a merkin in this photo to disguise his balding pate is none other than "Mr. P.X. NOTES" himself.



## Carto Comp

### Welcomes Whitfield

SSG James E. "Grit" Whitfield recently joined the teaching staff of the Cartographic Compilation Division. He hails from Richmond Hill, GA (just south of Savannah), which explains the nickname. SSG Whitfield has just come from a year's duty with the 30th Engr. Bn., where he was Section Leader of TACCTA. Prior to that, he served 5 years and 3 months with the 649th Engr. Bn. at Schwetzingen, W. Germany.

"Grit" and his wife, Linda, are maintaining the national average with their two sons, Jeremy (4), and Jamie (2). In his spare time,

he enjoys going fishing and hunting, and The Great American Sport — speculating! Welcome aboard, Grit!



In an obviously posed shot, SSG "Grit" Whitfield peruses a copy of the CONTOUR. The man has taste.

# HAPPY BIRTHDAY, US MARINE CORPS!



est and oldest Marines present — each is a traditional part of the Birthday celebration.

The Cake Cutting was only a prelude to the Birthday Balls held Fri-



day evening, November 11th, where good food, drink, and company was shared and a good time had by all. Watch for pictures in the 2 December issue.

November 10th marked the 202nd Birthday of the US Marine Corps, and it was celebrated in true Marine fashion in Bagley Hall's Heitman Auditorium. Adjutant's call; the reading of the message from the present Commandant of the Marine Corps, General Louis Wilson, and the traditional repetition of the 13th Commandant's Birthday message; the cutting of the cake and the passing of its pieces to the young-

Upper left, DMS Marine students get front row seats at the Cake Cutting ceremony. The Cake is Cut (lower left) by Lt Col Westphal and MGySgt Lake with PFCs Gonzalez (left) and Beatty (far right), and LCpl Fulton performing ceremonial cake escort duty. Above, our youngest Marine, PFC Wood, consumes the third piece.

## DMA IAGS Offers Course in MC&HG Management

FORT CLAYTON - For the first time in its 25-year history, the Cartographic School of the Defense Mapping Agency Inter American Geodetic Survey is offering a course in Mapping, Charting and Geodesy Management. The course started on Monday, October 31 and will finish December 2.

Participants in the course are top and middle management personnel from ten Latin American countries: Brazil, Chile, Colombia, Costa Rica, Ecuador, Honduras, Nicaragua, Panama, Peru, and Venezuela.

A distinguished group of instructors will conduct the classes, which will cover many phases of management.

Brigadier General Amadeo Saldias Cordero, Chief, Photogrammetry Section of the Bolivian Air Force will present a paper on "Organizing an Aerial Photography Capability." Colonel Jorge de la Quintana, Depu-

ty Director of the Instituto Geografico Militar, Bolivia, will discuss "The End of a Mission: Users' Surveys and the Future of Mapping, Charting and Geodesy."

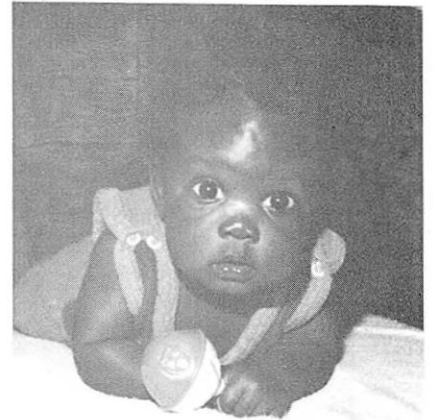
Guest instructors from other Latin American countries will be Dr. Eduardo Gomez Fuentes, Director, National Resources Data Generation Center, Caracas, Venezuela; Dr. Alvaro Gonzalez Fletcher, Director, Instituto Geografico "Augustin Codazzi", Bogota, Colombia; and Ing. Jose Gonzalez Garcia, Director, Instituto Geografico Nacional "Ingeniero Pablo Arnoldo Guzman," San Salvador, El Salvador.

From the United States agencies, instructors will be Allen E. Anderson, DMA Headquarters; John P. Mendez, Chief, DMA Topographic Center's Manpower Management and Analysis Division; Franklin Baxter, US Geological Survey; Jack Rosholt, US AID Project Manager, Paraguay National Cadastral Program; and Agustín de la Guardia, Chief of Training Center, Panama Canal Company.

## STORK



## CLUB



This engaging young fella is the son of CPT Willie Hudson of TSD, and his wife, Linda. Duane Christopher Hudson was born June 27th, and joins his brother, Darryl Edwin (now 4 years old) in keeping Linda and Willie on their toes.



By Philip R. Smith, Jr.

There might not have been any first Thanksgiving if the Pilgrims had not maintained a posture of defensive preparedness. Although many of the military duties fell upon a small detachment of soldiers under the command of Captain Myles Standish, nicknamed "Captain Shrimp" by his enemies, all of the settlers were called upon to bear arms.

Definitely not in the Pilgrim arsenal was the blunderbuss, always depicted in scenes of the early settlement. Actually the weapon was not developed until after the Pilgrims had sailed for the New World.

Some of the Pilgrims did have pistols, and one belonging to John Thompson may still be seen in Pilgrim Hall in Plymouth, Mass. The soldiers at Plymouth had the latest military hardware of that day and, in fact, were soon ahead of the rest of the world in some respects. They converted their weaponry as quickly as possible from the slow, clumsy matchlock musket to the faster, handier flintlock. They were also ahead of England and other European countries in adopting the paper-packed powder charge to replace the cumbersome powder horn. Such adaptations were necessary for survival in fighting the Indians whose bows could be reloaded with arrows in an instant.

The principal types of edged weapons were swords, daggers, pikes and halberds. Every able-bodied man had some military duties, and every soldier was required

to carry a sword. Captain Standish's cup-hilted rapier is preserved in Pilgrim Hall. Interestingly, it is about six inches shorter than the average rapier, bearing out the legend that the famous captain was indeed a "short shrimp."

For protection the Pilgrims had four types of helmets. Most of them had combs, from front to back across the crown, to take some of the force from any blow before it struck the hat. Their helmets also had quilted linings to absorb impact, similar to leather straps and plastic liners inside World War II helmets. One popular style was the lobster-tailed burgonet, so-called because its projection to protect the nape of the neck was made in a series of overlapping metal plates resembling the lobster's back.

The Pilgrims found mobility more important than armor in their tussles with the Indians, so all of their armor except the helmet fell gradually into disuse. By the time of the Pequot War in 1637, most of the colonists had substituted heavy leather jackets or quilted coats for the heavier, more cumbersome armor.

It was the spirit of the Pilgrims, however, that was more important than their weapons. They encountered hostility early among the Indians. In fact, it was shortly after the Mayflower had reached land that they had their first brush. According to Governor Bradford's account, one of the members of an exploring party suddenly shouted, "Men, Indians! Indians! ... and withal their arrows came flying amongst them." Although only a few Pilgrims were armed, they held off the Indian attack until the other members of the party armed themselves. The area where the skirmish took place is still known as "First Encounter Bay."

On one occasion, when a hostile Indian chief sent a rattlesnake skin wrapped around a bundle of arrows to show his hostile intentions, the governor took the skin, wrapped up a bundle of powder and shot, and sent it back. The chief took the hint and kept the peace. It was this sort of spirit that assured the survival of those early colonists, as well as the development of the Nation, and the Thanksgiving observance that is celebrated today.

# SURVEY ADDS TWO

Department of Survey has added two new faces to its teaching staff in recent months — both arrivals are former colleagues from Francis E. Warren Air Force Base in Cheyenne, WY.

MSGt Pat Kowalski has been with DMS since 26 July, and is currently instructing in the Basic Geodetic Survey course. When he first got here he was assigned to the Advanced Geodetic Survey course — is that a demotion?? While at Warren AFC, MSGt Kowalski was NCOIC of azimuth laying sets — which for you non-missilepersons means aligning missiles so they'll go where they're supposed to go.

Pat and his wife, Lina, have a son, Christopher Lee (4), and a daughter, Kari Lynn (20 mos.). Pat enjoys golf, racquetball, and bowling — he's a member of the DMS (1) team, and is joined by Lina for Friday night mixed doubles.



MSGt Kowalski displays his fast-becoming-notorious evil grin.

SMSGt Connie Musha is the other new arrival, having checked in on 10 October. A recent Charm School graduate, SMSGt Musha is also instructing in the BGS course.

At Warren AFB, where he spent a bit over 2 years, he was superintendent of the Gravity Survey section. Connie and his wife, Peggy, are the parents of Cindy, who has just been graduated from Atlantic Christian College in Wilson, NC, with a degree in Business Education. Their son, Mark (15), is a freshman at Hayfield High School.

SMSGt Musha relaxes on the golf course, and frequently shares a lively game of racquetball with MSGt Kowalski.

Survey and the rest of DMS welcomes you, gentlemen.



SMSGt Musha surveys his domain...

## "Mr. Jake"

*Editor's note: Due to the production schedule of the CONTOUR, we were able to devote only a couple of column inches to John Jacob's selection as Instructor of the Quarter, July-September, 1977. Here's a more substantial report on a very deserving Instructor.*

"Mr. Jake" has been at DMS (formerly D/Topo, USAES), for the better part of twenty years. Actually, he came here in the late forties but spent some time in other places to give the folks here a break.

Mr. Jake spent some time in Panama, which may explain why they now want full control of the Canal.

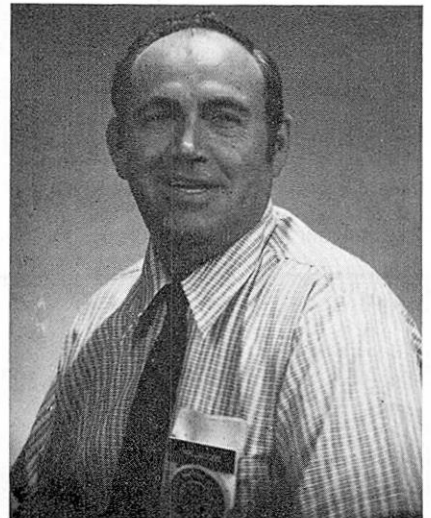
Mr. Jake was issued with the Title to Bagley Hall, along with Paul King.

Mr. Jake's forte is Plate-Layout, but he's taught in just about every area of GAD. He can tell you all about plate whirlers, reduction printers, and other old equipment no longer used. He can even remember the famous "Litho Stone."

Mr. Jake is well liked by all — students and faculty, officer and enlisted, even the civilians. He is always ready to share his knowledge with any individual or group, from Generals to the kiddies from



elementary schools. His line doesn't change much whatever the composition of the group, but he can make the subject understood by everyone



Mr. Jake likes to socialize. He is a bowler (100+ average); a fisherman (ask about the one that got away); and attends all DMS functions, especially the Picnic. They say he goes to the picnics to ogle the girls and eat, but few can remember his paying the girls any mind.

Mr. Jake is not only a Double Dipper, but actually a triple-Dipper. He gets a commission from the Coca-Cola Company on the sales generated by his conning friends and strangers alike into buying him a "Coke."

Mr. Jake is continuing his education by taking the DMS sponsored MCC course in Printing Technology. He has completed all technical requirements and is now finishing the general studies at MCC. The question has arisen as to whose name will be on the diploma. Will they add Penny Greer's name? Or perhaps John Houchins', or Rick Hardwick's, or Art Freshman's?

Mr. Jake is our INSTRUCTOR OF THE QUARTER, July-September 1977.

# CONTOUR

VOLUME 4 NO. 24

DEFENSE MAPPING SCHOOL

2 DECEMBER 1977

## MC&G-Related Training: Construction Survey

Yes, Virginia, there IS a logical reason for the Defense Mapping School to teach Construction Survey. After all, it does have something to do with surveying.

Conceptually, the construction and geodetic surveyors measure the same basic quantities: those of direction (angle), distance, and azimuth (bearing). The application and quality of these measurements are very different, but the theory and fundamentals are the same.

When the folks who now teach CS were switched from the old D-TOPO of the Engineer School to the Defense Mapping School, it seemed only sensible to retain their personnel, expertise, and equipment. However, the USAES continued to be responsible for the program of instruction. This somewhat awkward situation continued until 1974 when USAES requested that all responsibility for Construction Survey courses be transferred to DMS. In this manner, it became easier for the CS folks to be responsive to the differing needs of the various services, rather than making non Army personnel "march to the Army song," says Mr. R. M. Jones, Construction Survey Division chief.

CS students are principally Army and Marine personnel, and because their MOS's differ, separate CS courses have been set up for them. The Army students enroll in an 11-week course to train them specifically as Construction Surveyors. The Marines are required to double as Geodetic Surveyors, and so are first enrolled in the Basic Geodetic Survey course before moving upstairs to the "Marine Annex" course offered by the CS Division. This annex lasts 4 weeks.

Students in the Construction Survey course begin by learning basic surveying techniques, taping, and the use of the T-16 theodolite for traversing. They then move on to leveling and layout, which includes horizontal and vertical curve computations, and profile and cross-section leveling. The stu-

dents also learn earthwork computations — that is, how to measure how much dirt to cut or fill to bring a road up or down to the desired grade.

Building layout is next, and this includes the layout of utilities. The students even tackle the problem of an airfield layout. And, of course, they must also be able to draw the large scale topo maps used in construction site planning.

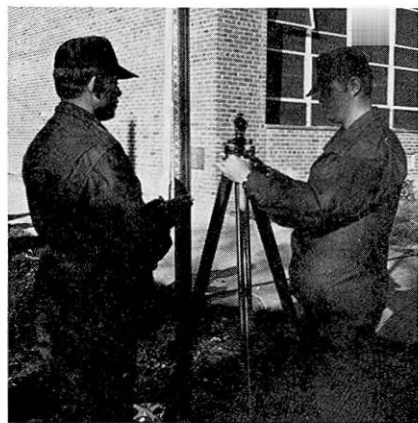


CS Instructor Gunnery Sergeant Leon C. Combs checks out Marine student Lance Corporal Bruce Daley's strip map during classroom instruction.

The Marine students concentrate on the road and building layout phases of CS instruction, in addition to becoming familiar with the use of the transit, which is used by the Marine Corps instead of the T-16 theodolite.

Extensive field work is combined with intensive classroom exercise in both the regular Construction Survey course and the Marine "annex." Mr. Jones comments, "The goal of the instruction we offer is to turn out a Construction Surveyor with a sound knowledge in the fundamentals of the science, who can be assigned to a field unit and become immediately productive. Our instructors are high-caliber professionals, de-

dedicated to the best interests of their students, and always mindful of their goal."



In the field, Army Privates Gary Amyx (left) and Rob Gardner conduct a "two peg test" to determine a source of error in their survey equipment (Dumpy Levels) and adjust them, if necessary.

## ADM. COLLINS' ADDRESS



Rear Admiral Robert M. Collins, DMA Deputy Director, gave the graduation address to the members of the Mapping, Charting and Geodesy Officer Course, Class 3-77. The ceremony was held 23 November 1977 in Bagley Hall's Heitmann Auditorium.



## COL Lund Takes Over As DMATC Director

John Roger Lund, son of the late Mr. and Mrs. Nick T. Lund, was born 16 September 1929 in Austin, Minnesota. After graduation from Austin High School in 1947 he attended Austin Junior College until he enlisted in the US Army in January 1948.

His enlisted service covered the period 2 January 1948 through 5 February 1952. During this time he was a construction and topographic draftsman and a construction surveyor. Major service was performed in Special Category Army with the Air Force (SCARWAF) Engineer units in the Canal Zone and CONUS. At the time of entry into OCS he was a Sergeant First Class (E-6) and the Operations Sergeant, 937th Engineer Aviation Group, Orlando AFB, Florida.



*COL Lund, new DMATC Director, visits the Press Room, guided by Mr. Knox and GAD Chief Mr. McCullough.*

An odd thought occurred to me during the recent visit by Colonel John Lund of the Topographic Center. As we made our way up to the Conference Room, we passed SSgt Batt (he's the source of a lot of odd thoughts). Our briefing at TSD was given by LTC Shane. We said hello to Chief Maxwell in the hall, and watched SSG Canfield pitching to the terrain analysts. On our return to Bagley and the GAD tour, SFC Shannonhouse was tutoring his new repairmen. Good grief, I thought. This whole place could sustain itself if we only had those people named John! In addition to those we saw, we also have Messrs. Aranza, Woodburn, Mann, Radu, Jacobs (I didn't even know his first name until I looked it up), Meir, Lindsey (not really, but he answers to it), and Houchins. Good grief!

John is a much-maligned name. It has a derogatory connotation when used either in the plumbing trade or by Not-Nice-Ladies. When a romance disintegrates, one receives a Dear John. Why, then, is it so popular? Why does DMS have so many of them? If we tried to run the place with Ed's, it would be Mr. Franke, Mr. Burton, and me (frankly a marvelous combination, but I sense no groundswell of approval). Dudley would be even thinner, and Abner terrorizes my toadying instincts to the point where I can't discuss it. But why so many John's? Our women can boast a couple of Marge's but don't even come close to the mob of John's in frequency. The lot of DMS Director is not an easy one, and it's problems like this that occupy our waking moments. Anyway, it was a pleasure having you at DMS, John, and John, you did a fine job of briefing. And, John, you could stand a shoeshine. Sheez!

Deputy and I were mulling this and other weighty matters the other day, and we discovered by perusal of the PIR that there will be a mass exodus of military people from DMS this summer. It's awkward to list all of the names, and I'm sure I'd leave somebody out if I tried. Still, it's going to be an intense sad-glad period of roasts, parties, and ceremonies. They are all great people, and DMS will be a lesser place on their departure.

COL Lund attended OCS at the Army General School, Fort Riley, Kansas. He was designated a distinguished graduate and commissioned a Second Lieutenant, Corps of Engineers on 6 February 1952. In August 1953 he was integrated into the Regular Army. His military education consists of the Engineer Officer Basic Course (1952), Engineer Officer Advance Course (1958), Special Demolitions Course (1958), Command and General Staff College (1962), and Civil Action Course (1964).

He holds an Associate in Arts degree (1963) and a Bachelor of Arts degree (1964) from The George Washington University, Washington, D.C. Both degrees were awarded with distinction. His major field of study was history with a minor in mathematics. He has 18 semester hours of credit in the Graduate School of Arts and Sciences, The George Wash-

ington University, toward a Master of Arts degree in history with specialization in Latin America. He is a member of the Alpha Sigma Lambda National Honor Society for evening college students.

A resume of COL Lund's commissioned military experience follows. From August 1952 to July 1955 he was, in turn, Photomapping Officer, Executive/Operations Officer, and Commanding Officer of the 332nd Engineer Company (Topographic) (Corps) which was later redesignated as the 69th with V Corps in Frankfurt am Main, Germany. During the period August 1955 through August 1957 he was the Assistant Operations Officer, Department of Topography, US Army Engineer School (USAES), Fort Belvoir, VA. While in Korea from July 1958 to August 1959 he was the S-3, 8th Engineer Battalion, 1st Cavalry Division. During the period September 1959 to August 1961 he was the Post Engineer at the industrially funded Chemical Corps installation of Rocky Mountain Arsenal, Denver, Colorado. He again returned to Fort Belvoir for the period July 1962 to May 1964. Initially he was the Logistics Services Officer, ACoFS, G-4 and later an instructor in the Special Demolition Section of the USAES. His next tour took him to Peru in South America for the period July 1964 to July 1967 where he was first the Engineer Advisor to the Peruvian Army for one year and then Civic Action Officer, United States Military Group, Peru, with location in the capital of Lima. He was sent directly from Peru to Vietnam in September 1967, serving there until the same month in 1968. While there he was Commanding Officer, 227th Engineer Detachment (Topo-

See NEW TC DIRECTOR, page 4

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Editor: Lynne Manov



# MYSTERY PERSON

ANSWER TO 18 NOVEMBER MYSTERY PERSON



*Editor's note: Boy, are we low. So low we're forced to use my picture as the Mystery Person, a gambit we only resorted to in a play for time, hoping another MP submission would turn up. No luck. The kids in the tub wouldn't have posed any problem to the devout MP follower: the jumbled "equestrienne" clue was all you really needed, but in case that slipped by you, the "tall man off" should have cinched it.*

*Warning: This space will be blank next issue unless somebody comes through. Remember at this season of the year that it is more blessed to give than to receive...*

## Baybrook Rounds Bend

*Editor's note: TED is presently re-writing FM 5-146. CPT Tom Baybrook has been putting many long, hard hours into this re-write, and apparently the weary toil is not without its effect. Fellow TEDers CPT Gary Thompson and Maj Bill Griffith claim they found this in CPT Baybrook's round file.*

TOPO ARMY (DRAFT) FM 5-146

The Topo. group are gud fer makin' mapes. They can doo almost anythang. At least purt neart it. They have some capabiles to print stuff; but spellin ain't to gud. Drawins is pritty & collers is nice.

Servayers have gud spy glasses to look fur girls. Exsept there up-side down.

Cartograpers are smart but I don't no there job to much becuz its hard & I din't learnt it to gud myself.

Press peeples get dirty some to make \$ in there off time but that ain't nice & the Feds don't approve of it.

Sumaree: They can do the job. If you supply the papier & inck.



by SGM Bill Locke

"Christmas giving is merrier when you shop and save at AAFES." The shopping and saving has already begun. Those of you who receive your CONTOUR on 2 December should plan on doing some shopping this weekend. The first big event began yesterday and continues through Sunday. There are many more items available at special savings than I could ever list, but just to give you a sample - over 50% off on fragrance candles with such exotic smells as grapefruit; a wide variety of cosmetics for the favorite female in your life; 18% off on Weber's 22½ inch black kettle grill for your favorite back yard cook (you may not even want to wait 'til summer if a warm day presents itself); \$28.50 off on Polaroid SX70 Model 2, plus a wide range of other fine photographic equipment; West Bend "Stir Crazy" as advertised recently on TV; numerous items of men's, women's and children's wearing apparel; watches, including the latest in digital quartz models; hair dryers for those of you who have need of them; electronic equipment; cookware; and on and on. Stop by the Exchange and take along your shopping list. In fact why not make a day of it? You can have your hair done, do some shopping, eat lunch at the cafeteria, do some more shopping, have a snack at the pastry shop, and save money doing it.

Many of the savings are brought to you via special consignment sales, so don't miss out. Lots of exciting buys will present themselves over the next 22 days. Some of the specials that will continue through the 24th are cosmetics, typewriters and calculators. Throughout the entire period, your

friendly AAFES manager will be selecting special items for special markdowns, so visit the store often.

If you've not been there recently, you really should drop by. The renovation is progressing nicely and you'll be surprised at all the super things that have happened, and will continue to happen. The Sewing Center is in the main store, for example.

Sorry to say there'll be no 10% discount day this year, but the specials that will be offered daily certainly should more than make up for it. In fact, I'm looking through an AAFES brochure available to you at the reception desk as I write this, and I cannot find a single item marked down less than 10%. So take advantage

of "Christmas with AAFES." Shopping there makes sense because your dollar goes farther, it's convenient and the profits come back to you.

For those of you who drop by the Cafeteria, you'll find they are handing out coupons based on your amount of purchase which can be redeemed during future visits as late as 1 January 1978.

When can you do all of this? The special hours this year are on Thursday and Friday when operating hours are 1000 - 2000 and Saturday from 0900 to 1800. All other days will be normal operating hours. These hours are for both the main store and Toyland. For the "very near to the last day" shoppers, hours will be lengthened to 2100 on the 22d and 23d. If you really like to do the last minute tight wire routine, you'll be able to shop 'til 1600 on the 24th.

In closing, Christmas is a very special time of year to most of us. It's a time when joy and brotherhood should abound, so when you shop, "smile," it's the least expensive gift and maybe the most valued gift you may give someone this year.

DID YOU KNOW? AAFES is changing plans on how to handle new Congressional authorization on selling new tires. You can read it in the Army Times.

Solar panels are already collecting the sun's rays at the new Exchange facility at Randolph AFB, TX. It's being touted as the world's first solar powered shopping center.



# Deer Season Opens— TSD HUNTER SHOOTS TWENTY BUCKS

by CPT Baybrook

In the pre-dawn hours of the first day of deer season, when the rest of us rolled over for that last hour of sleep, TSD's candidate for Sportsman of the Year, Tom Filip, was creeping along the back road of Virginia, near Vint Hill Farms.

Tom was optimistic. He had a perfect spot in mind, a new flint lock rifle (which he had assembled) and his four-wheel drive International packed with hunting gear.

He tried to sneak into the area by driving without lights, tracking in the ruts made by previous vehicles. He was doing well, almost

there, when suddenly, near the intersection of two small streams, his truck high-centered, leaving all four wheels useless.

Tom dug with his shovel; he threw logs and rocks under the tires; and being a good geologist, he found a sand deposit and tried putting sand under the tires. Finally, after three hours of labor, with the denizens of the forest looking on, he surrendered.

Tom walked a mile to a county school annex and phoned a tow truck. The charge? Twenty bucks.

The Filipis did not have to go hungry on Thanksgiving. It's reported that Tom did finally bag a turkey — at the Belvoir commissary.

## NEW TC DIRECTOR, from page 2

graphic Liaison) at Long Binh. Upon return to CONUS in September 1968, he was assigned to the United States Army Strategy Projects Branch, Studies and Force Analysis Division. He remained there until February 1970. From 10 February 1970 to 10 August 1971, he commanded the 30th Engineer Battalion (Base Topographic), Fort Belvoir, VA.

During the period September 1971 to October 1972, he was assigned to the Office of the Engineer, Headquarters, Eighth United States Army in Seoul, Korea and served as the Chief, Mapping and Intelligence Branch, with the additional duty as the Assistant Engineer, Eighth US Army for a two-month period.

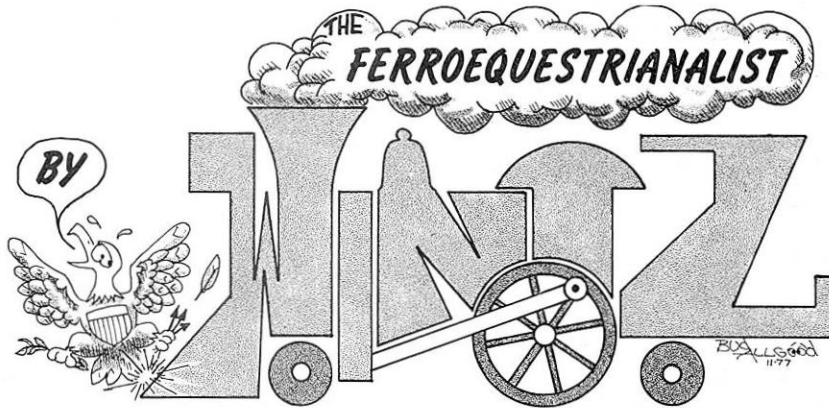
From November 1972 to March 1975 COL Lund was with Headquarters, Defense Mapping Agency with initial duty as the Executive Officer to the Deputy Director of the Programs, Production and Operations Directorate. Subsequently he was Executive Officer to the Director of DMA.

In April 1975 he was assigned for duty in the Defense Attache System, Defense Intelligence Agency. After a brief training period he was posted to Nicosia, Cyprus, as the Defense and Army Attache where he served from 2 July 1975 to 9 September 1977.

On 28 October 1977 he became the Director of the Defense Mapping Agency Topographic Center, Washington, D.C.

COL Lund's decorations include the Defense Superior Service Medal, Legion of Merit with first oak leaf cluster, Meritorious Service Medal with second oak leaf cluster, Joint Service Commendation Medal, Army Commendation Medal with first oak leaf cluster, and the Military Order of Ayacucho, grade of officer, awarded by the Republic of Peru.

COL Lund is married to the former Sonja Foltin of Vienna, Austria. They have a daughter, Kimberly, and reside at 1005 N. Terrill St., Alexandria, VA.



The Herrington Northern R.R. is a little-known private rail line which connects six remote Kansas industries with its namesake town and the mighty AT&SF railroad empire. The main line can be traversed in about four minutes by one of the company's tired road engines. Despite the small size, its safety record is dismal; a major reportable accident occurs at least once an hour. Federal authorities have overlooked this disastrous performance, however, because in twenty years of operation the only injuries have been a few cut fingers, various solder burns, and one split thumbnail.

The HN RR presently resides in the basement of our home on Post. It is the result of my piddling around in HO gauge (Scale 1:87) model railroading since high school. Parts of the layout have survived four moves, and I bought the first engine on our honeymoon (thereby earning the gentle observation from Jan that, as she suspected, I was a

Wierdo). Rolling stock ranges from a hopper car made from shirt cardboard in 1948 to a 1975 Hy-Cube boxcar with lost wax castings. There are around fifteen engines, although the layout will only handle three at a time. These are an odd collection of steamers and diesels, and about the only common characteristic is that they (usually) run.

The past ten years have been devoted to an upgrade of the electronic and electrical systems. Automatic three-aspect signals (red, yellow, green: Not a big deal until you wire it) are triggered by home-built transistor detectors. An electronic throttle was assembled which allows me to duplicate the prototype practice of discharging passengers in a muddy ditch instead of the station platform. This device builds momentum into the train, and has two separate braking levers (in addition to pulling the plug)



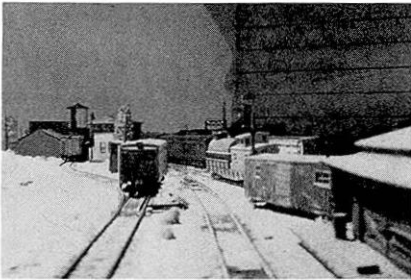
Randy (left) and Matt Wintz at the controls.

See CHOO-CHOO, page 5

## CHOO-CHOO, from page 4

which allow a train to drift into a station very realistically. Printed circuit boards drive the highway crossing blinkers and a diesel horn, but most of the electronic circuits are the result of long hours with bell wire, strippers, and soldering gun. Despite all the clicking and whirring, there is little electrical shock danger because things are limited to 18 volts. You can't even feel it if you touch a bare wire.

I've been very lax in getting scenery up, mostly because of all the moves. The HN RR wound around the furnace at Carlisle Barracks; vaulted the dryer in Fairfax City; occupied a screen porch at Fort Riley, a guest bedroom in River Village, the laundry room at West Point, and a spidery basement on Rossell Loop. One end does have mountains, however, and the other half has been ballasted and has most of the buildings completed. Still to come is a painted backdrop and dimmable overhead lighting.

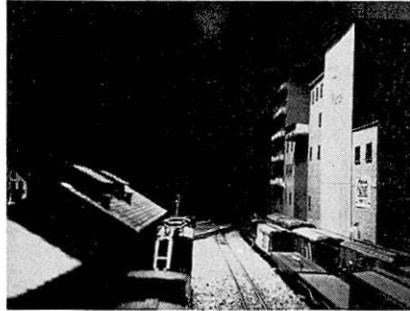


One of HN RR's weed-grown industrial sidings.

Model railroading is a very personal hobby with me. I do things my way. Serious modelers would blanch at a steam locomotive pulling a Trailer Train flatcar, or a modern diesel on the point of a string of now-outlawed billboard refrigerator cars. Tough! My hook-up of the seventeen track switches flouts most of the published rules of thumb, but they work. The workbench is a hideous mess of cars, parts, tools, and paint jars. Cranes and derricks abound amongst the rolling stock, partly because of the wrecks, but mostly because I like cranes. Our basement is a model of disorganization, and a wonderful place to spend a rainy weekend afternoon.

The HN RR is not unknown to DMS-ers. LTC Sprinsky liked the signals but thought the diesel horn was tinny. LTC Radu is not permitted any closer than ten feet after failing to grasp speeds other than stopped and full ahead. Chiefs

Nolta and Nohe sniff around with a knowing air — they are also hooked on the hobby. SGM Locke has done the same; he's active in the local club. Lt Col Westphal likes to watch crashes. Others are just not turned on, and that's not uncommon. I have a very dear and old friend whose only reaction is to glance into the train room and mutter, "Cheez, what a waste!"



Moonlight on the main yard at Herrington.

But I like it. When that old F-7 covered wagon growls through the yard throat and slowly picks up speed as its manifest of twelve freight cars and a caboose wind and clank through the switches, it all seems worthwhile. A signal flashes red as the diesel enters one of the mainline blocks, and the clatter of solenoids indicates switches are set for the proper route. Look out, ants and bugs! It's the HN RR afternoon peddler freight, glory bound for Barstow, Arliegh's Siding, and points west!

## RUDY RE-UPS



Nice work if you can get it...SFC Bob Rudy signed on for six more in a reenlistment ceremony in the Deputy's office on November 18. The Rudys will be leaving DMS in January 1978 enroute to Hawaii...that's what you call sneaky!

## First, "The Creature from the Black Lagoon"-

Now...

## THE PALMDALE BULGE

by Maj R. Millians

The earthquakes are coming! The earthquakes are coming! This cry of alarm has sold more insurance than skateboards in California. The image of the Golden State has been unfortunately marred by the constant threat of a devastating earthquake.

Throughout man's history, earthquakes have ranked with volcanic eruptions as the most feared of natural disasters. In the past 25 years, much of the mystery shrouding the cause and nature of earthquakes has been lifted, but scientific knowledge of this geological phenomenon is still far from complete. In principle, the theory of Continental Drift is now generally accepted. This geological theory generally assumes that the Earth's crust is divided into six or seven major plates and a host of smaller plates. Each of these plates is floating on a soft layer, the Asthenosphere, which separates the crust from the mantle of the Earth. What dynamic force causes these plates to move is not fully known; however, movement does take place. The plates seem to move in random directions, some move toward each other, some away, and some slide alongside one another along a "fault line." When movement occurs along the fault lines separating the plates, a tremendous amount of subsurface energy is released and transmitted to the epicenter on the earth's surface. From this point, seismic waves spread out in all directions. Depending on the amount of energy released, the surface of the Earth may literally undulate or "quake."

Unfortunately for Californians, their state lies astride one of these fault lines. In the Central Valley of California is the juncture of the North American and Pacific Plates. This geological confluence is the San Andreas fault, which is classified as a transcurrent fault since two plates slide beside each other. Scientists theorize that the Pacific Plate is moving northwest and the North

See QUAKE, page 6

## QUAKE, from page 5

American Plate is moving southeast at the rate of about two inches per year. Also discovered was the fact that some portions of the plates are moving while others remain fixed. In the vicinity of Brawley in the Imperial Valley, the plates are moving at an almost constant rate, producing about 1100 small tremors in that area each year. In other areas the plates are locked with no discernable movement. Where this locking occurs, stresses are building up. The area of California where this situation is most obvious is a portion of the San Andreas, around Palmdale. There has been no major earthquake in this area since 1857 and as a result, tremendous stresses have built up along the fault line.

In 1976, scientists noticed a bulge in the Earth around Palmdale, measuring as great as 10 inches in elevation in some places. They began an intensive seismological investigation in an attempt to determine the significance of the bulge. Several US Agencies are involved in

this investigation, one of which is the National Geodetic Survey (NGS). The NGS is using various precise surveying methods to monitor the bulge.

Data collected by NGS in this effort involve the use of gravity meters to locate internal structural shifts. These instruments can detect a change of 1/100,000,000th in the acceleration of gravity. Two of the meters being used have been specially calibrated to detect a one-billionth part. If these shifts can be accurately plotted, perhaps a method can be found for predicting earthquake location, intensity and time of occurrence. NGS will use the gravity meters to monitor areas around the bulge for about two years.

To assist NGS in its work, DMS provided a short course in gravity measurements and data reduction, taught by CW3 Nohe. The students used the type of meter that will be used on site. They started their observations at a point of known gravity (Jackson Observatory) and measured gravity differences at

various unknown points in Stafford, Manassas and Warrenton, with checks on known gravity points in Fredricksburg and Culpeper. After the field observations were completed, the students were instructed in proper data reduction techniques. In the area covered, the total range of gravity observed was about 70 parts per million. The students' observations showed an RMS error of about 2 parts per hundred million.

From DMS, the students will be sent to California to begin their work. If their work is successful, great strides will have been made in earthquake prediction and a subsequent potential in lives saved.

Western California is in no immediate danger of falling into the ocean, but if you happen to be in Portland 14 million years from now and see a large city to the west, it will be Los Angeles enroute to Alaska. In the meantime, NGS will pursue its investigations through the collection and interpretation of gravity data, thanks in part to the instruction received at the Defense Mapping School.

# MARINE CORPS BIRTHDAY BALL



Birthday Ball Guest of Honor COL Wintz and Mrs. Wintz with MAJ and Mrs. McClatchey.



The ball was a CHEERY occasion, as is aptly demonstrated by Ed and Daisy Hutson. Don't think that poodle fooled a soul!



Must've been a good one...John and Kathy McCloskey and retired 1stSgt O'Rourke celebrate the Marine Birthday.



This luscious confection was contributed by the chef of the Holiday Inn, Dumfries, site of this year's Birthday Ball.



The band played on as dancers MGy Sgi and Mrs. Ceckowski, and our own MGySgt Sutton's brother Bob and date Pat Corsi whirl around the floor.

## The Fall of the Outhouse of DMS

by Maj R. Millians

Some time-worn and heartrending cliché seems to be in order. Yet clichés seem inadequate to express the pall that has fallen over the Survey Department. In its infinite wisdom, omnipotent presence and efficient totality, Fort Belvoir DFAE has condemned DMS's famous (infamous?) Outhouse to total destruction. In the interest of beautification of the "littered triangle," it has been decreed that the Outhouse can be no more.

tory just north of Wheeler Hall. It was constructed in 1952 as a self-help project for USAES, Department of Topography. At the time it was constructed, the intention was to use it for 30 days, then tear it down. Obviously, the tear-down date was extended somewhat. Rather than being temporary, over the years the Outhouse was integrated into the course of instruction and numbers of astro students have utilized its facilities (astro, that is).

## Second NEOC Graduates

Members of the second New Employees Orientation Course graduated at 1400 hours, Friday, 2 December 1977. DMS Technical Director Mr. Reuben D. Cook filled in for guest speaker Mr. Walter M. Leech, Deputy Director, Programs, Production and Operations, DMATC. Mr. Leech was on his way from DMATC when his car developed problems, forcing him to withdraw as guest speaker.

Mr. Cook did a fine job addressing the NEOC graduates with a biography of Mr. Leech, detailing his career beginning in 1939, when he joined the Office Corps of Engineers, 30th Engineer Battalion through the Army Map Service and the Defense Intelligence Agency to the Defense Mapping Agency and his present position as Deputy Director, PPO, DMATC.

Mr. Cook went on to give a brief history of Army mapping and to say that DMATC will be a fine place to work. He also indicated that the people who work there are a fine group of professionals.



SGM Harris uses a trusty "surveyor's saber" to sever the Outhouse cake baked by Mrs. Nohe. She must have known he was coming.

For the uninitiated, the Outhouse was the little white astro observa-



GySgt Combs does his Superman act for the benefit of amazed sidewalk superintendents.

See RUINS, page 4



Mr. Reuben Cook slaved for hours over his speech.



NEOC Class 2-77 graduates are: (Front row) Sarah E. Metzler, Glenn T. Valladsen, Thomas W. Gleim, Michael J. Graf, Timothy A. Hall, Scott B. Miller, (second row) Colleen P. McDowell, Leslie H. Heinzl, Sharon G. Jones, Donald B. Geroch, (third row) Paul F. Mich, Roger V. Maurer, Lecia C. Wright, Pedro J. Rodriguez, and John G. King.



Bagley Hall is a fascinating building to work in, and I direct these remarks to our Wheeler contingent as well as to those readers not overly familiar with the old building's personality. We have already discussed the Middle Door Ghost and only a brief update is really necessary: The sidewalk ripped out by the ruptured fire protection water line during General Martin's visit is still mute testimony to the ghost's power.

First of all, most of us kind of like the old building. It's homey. OAR knows how to knock out an exterior panel to get some fresh air in the summer. The GAD camera guys get so used to walking on the undulating second floor that they feel uncomfortable on flat footing. The electrical system allows us to renew old friendships with the Fire Department crews. Part of the comfortable feeling is knowing where things are. GAD and the Facility Engineer can remove an entire wall for delivery of a new camera in about an hour. The Pepsi man knows exactly where his machines are. Old timers know which ceiling ducts really were installed to steal some of the auditorium's air conditioning, and which turned out to be glory holes. There is one duct which was installed to spy on the Director from the planetarium store-room, but that has been plugged up because stuff kept falling through it onto the guests. I never really understood this last duct, unless someone wanted to confirm that past Directors lingered over the Go-Go ads in the Pentagram News, or something.

Knowing where things are is a mixed blessing, however. Ellie May (vacuum cleaner) and I (vue-graph projector) both know where the only plug in my office is, for instance: Right behind the big 300° steam pipe. Major McClatchey knows exactly which circuit breaker to reset when somebody uses the card punch and Wang memory disks at the same time. Dale Anderson knows precisely where to put the watertight wastebasket when it looks like it'll be a rainy night.

There are some things we don't know. Why does the auditorium stage right radiator make stomach noises during graduation speeches?

When will the machinery in that alcove in the Deputy's office start up next and shake up his whole day? What does the machinery do? Why were phone leads placed behind the display rack in the Houchins Bicentennial Hallway ("Hello, Moscow? They're working on a weapon they call the POM!")?

It's really a fine old structure, but with a mind of its own. And a wonderful source of War Stories.



## From the Editor

The Holiday season is upon us — far too soon for those of us whose stomachs are still in shock from Thanksgiving dinner, and whose wallets are still recovering from last year's onslaughts. The Hanukkah season has already past, and Christmas is in the wings. At this season of gift giving (and receiving), I thought it might be appropriate to publish my "WISH LIST."

*I absolutely gotta have...*  
...a new typewriter repair contract so my space bar will work without having to be smacked with a hammer between words, preferably before New Year's.

...a healthy supply of Mystery Person photographs. (Those of you who are going over the river and through the woods to Grandmother's

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Editor, CONTOUR, Defense Mapping School  
Director: COL Edward K. Wintz  
Editor: Lynne Manov

house, please raid the attic, rifle through the family scrapbooks, and bring me back that "little What'sisname on the Bearskin Rug" photo I'm dreaming of.)

...CONTOUR contributors who are aware of the every other Friday deadline and who don't schedule newsworthy events for the Friday the paper's supposed to be finished being laid out and pasted up.

*I could really use...*

...six months' paid vacation; or, failing that, a raise.

...a steady supply of those 8x11 "shotgun" envelopes for sending the CONTOUR out through the message system, together with a truly viable explanation of why they have those funny holes in them.

...a candy jar with an automatic refill mechanism (not for myself; for a friend).

*I can live without these but it would be nice to have:*

...some more correcting ribbons for the malfunctioning typewriter.

...a deadline extension when the black-and-white 35mm film doesn't come back from the Fotomat store for a week, or a Polaroid that will work with a flash attachment.

..."Quiet Time" in PPO from 0730 to 1630 daily, effective immediately. Don't call us; we'll call you.

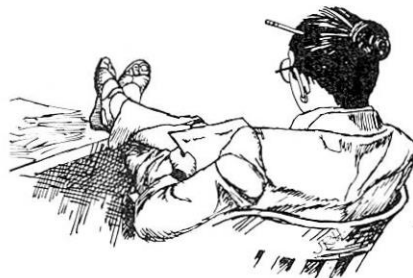
*On the personal side, Santa, please send me...*

...enough time to read the daily Washington Post, or a six-month supply of puppy papers. The CONTOUR is non-absorbent.

...one of your elves who likes to commune with nature from the business end of a pitchfork.

...a non-caloric turkey, calorie-free dressing, low-carbohydrate mashed potatoes and gravy, and sugarless mince pie; or a one-size-fits-all wardrobe.

*May all of you loyal CONTOUR readers enjoy a cheerful — and SAFE! — Holiday season. (Your next CONTOUR will appear on January 6th instead of December 30th, due to the Holiday News Slump, a well-known sociological phenomenon.)*



## MYSTERY PERSON



Still wide-eyed and bushy-haired. In fact, on occasion, our MP was referred to by "T" as "hippy." The lyrics half of a Wheeler Hall song team, the other half of which has now departed, this obscure pair managed to do some nice sounding things. Need another clue? There's a key one hidden in the last sentence after the word "departed." The first reader to correctly identify it (the key clue) and call 41680 (Mystery Person writer) will have his or her next issue personally delivered by this issue's Mystery Person.

## Picnic Survey Results

by SGM Bill Locke

With 161 picnic surveys returned, I thought it time to let you know the results. Some were rather surprising, while others were to be expected. I'm not a degree-holder in survey interpretation, but I'm going to take a few shots anyway. The results (with uneducated comments) follow:

*Which of the following would your family prefer?* The result was overwhelming for "We buy and cook; each family brings a dish." 92 returns indicated a preference for this with the remaining scattered among the other choices.

*Do you like the idea of live music?* Not everyone answered this one and it's kind of a toss-up. 67 responded "no" and 50 "yes." Many thought tapes and records would be as good, available longer, and free.

*Did your children enjoy themselves?* Again, not everyone answered. The vast majority who did responded "yes." However, of the few who answered "no" or "didn't bring," some valid points were brought out. Comments like "We've neglected our teenagers;" "My teenagers weren't interested;" "My kids said, 'Why come? There's nothing for teens to do,'" will definitely prompt some action next year. In

fact, why don't those of us who have teens ask them for suggestions?

*Has the menu been to your satisfaction?* 97 responded "yes." However, they and the few who answered "no" also made some good suggestions for additions and changes which will be considered. Some of the more interesting (in my biased opinion) were: Spareribs and chicken; roast a side of beef Western style; fish fry; and "Too many beans, need more variety."

*What did you enjoy at the picnic?* Not too surprisingly, the overwhelming favorites were "Meeting old friends" (72); "Eating" (75); and "Relaxing" (77). The remaining three drew only half as many votes, with volleyball being the most popular. We received some excellent comments which will be incorporated in next year's bash.

To the question about "events" 73 responded "No" there weren't any events they'd like to see added. However, the 18 who responded "yes" had some good ideas. Some of them follow: "Bring back the tug-o-war," "Frisbee contests;" "Some lady events like pancake races, eggs;" "Bring back the egg toss;" "Relays and races for parent-children teams;" "Bingo;" and "Pie-eating

See PICNIC, page 5

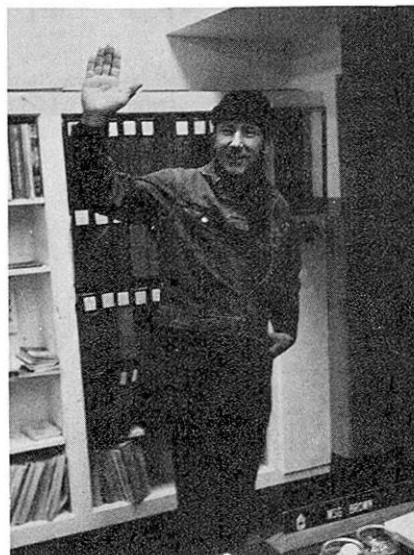
## Good ~~Grief~~ Luck!

by W03 Nohe

December the 10th saw the final departure from the Survey Department of one of the all-time record homesteaders. MSgt Robert L. Brown retired after 20 years' service, with only two months shy of 12 of these years in Wheeler Hall (add three months for the Topo Survey Course). For those who can't place him, "Charlie," as he is better known, is usually the one with the cast on his leg. During his two tours, he has held almost every job in the Department, teaching first in Topo Survey, then in AGS prior to his side tripto Liberia in 1969. On returning, he finished the pack of chewing gum he left in the desk drawer.

When AGS, Topo Survey and Topo Computing were combined into the Survey/Computing Branch (now Geodetic Survey Division) in 1971, he was NCOIC of the Instructor Pool

(one of the more ignoble organizational experiments of D/Topo). Having escaped that, he settled into four years earning tenure in OSIR. Somehow or other, he managed to

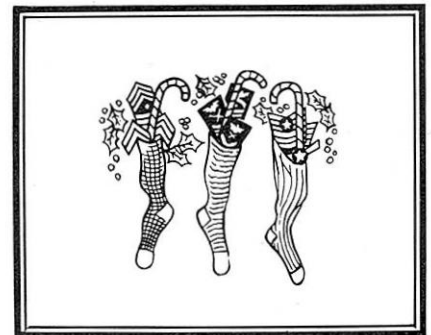


"Charlie" Brown is on his way out.

sneak back to AGS for a few months before taking over as top-sergeant-what's-in-charge of the Department while he departs.

It is difficult to imagine that the new Chief Instructor will continue the lively exchange of views with the Post Commander that was enjoyed for so long (honest, the Geodimeter party didn't make the ruts in the parade field) but he promises not to try.

Northern California is apparently starting to come out of its draught, Charlie Brown. Why don't you stay here with your friends and leave those folks alone?



## RUINS, from page 1

There has always been a love-hate relationship between the astro students and the Outhouse. They all hated to be assigned to the Outhouse, yet they loved its isolation and coziness(?). Although the interior was somewhat cramped, it was adequate for astro observations. The present Advanced Geodetic Survey class performed the destruction and considering the gusto with which they approached their task, it appears the hate part of the relationship has prevailed.

If I may be allowed a small cliché: "Time Marches On." Very soon a new addition will be added to Jackson Observatory. This new brick and concrete building will be a "two-holer" and greatly improve the astro instructional capabilities of the Defense Mapping School.

Although the Outhouse was decrepit and will be replaced by a modern structure, a twinge of nostalgia creeps into every Outhouse conversation. Any temporary building that can survive 25 years has got to be tough! It was the stuff of which memories are made.



GySgt Combs and SSgt Baughman attack Outhouse remains. No walled-up skeletons were found, however.

*Observer's note:* Shortly after a stirring speech by the Chief, SD, Maj R. Millians, which inspired all who heard it, a small black and silver animal was seen hurriedly leaving the Geodetic Astro Positioning Facility (The Outhouse). A sharp-eyed Warrant Officer noticed that:

- a) it was a skunk;
- b) its tail was not raised in the WOPA greeting.

Was it the Millians demolition speech or was it the cluster of individual onlookers with black and silver bars (obviously friends of the fauna) which prevented a major air pollution disaster near Wheeler Hall?

*Editor's note:* The observer was LTC W. H. Sprinsky, Chief, TSD.

## Back to the Salt Mines

DMS welcomed LTC Maxfield and Ms. Louise Voelker back to work at their respective offices (PPO and SD) recently.

Both had been enjoying the 'hospitality' at DeWitt Army Hospital, but are now recovering nicely, thank you, and are happy to rejoin their 'partners in crime' in PPO and SD. Their presence and valuable contributions were missed, and are now joyfully re-welcomed.

We're glad you're both back. Now...Shoulders to the wheel! Noses to the grindstone!

## SD NEWBIE

Air Force Master Sergeant Bill Godfrey is Survey Department's latest arrival, dated 17 November. He's just come from Offutt AFB, Nebraska, where he was in charge of the 200 Series air target charts (scale 1:200,000) for the last 5 years. Bill is now assigned to cartography instruction, where he will take up his duties following completion of Charm School in January.

MSgt Godfrey, who is awaiting post housing, is accompanied by his wife, Daliah, and their two children: son Quen, 8, and daughter Kristie, 7. Bill originally hails from Aberdeen, MD, though his accent reminds you of Alabama, and enjoys hunting, fishing, bowling, golf, and gaseball, Team captains, more ammunition for your guns! Welcome to DMS, Bill.

*Editor's note:* TSD has two new instructors on board, SSgts Wilson and Baughman. They're currently

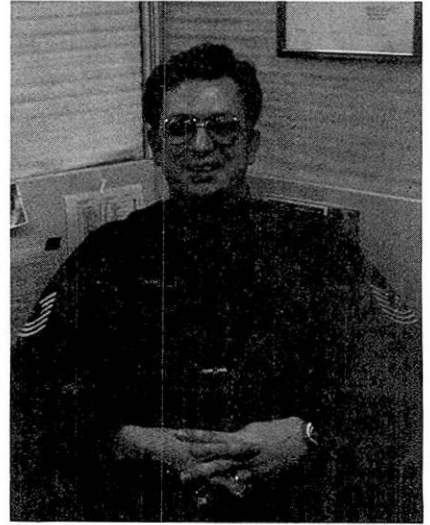
## Share the Christmas Spirit



There is a retired military family now living in the Lorton area. The father retired from the Army some years ago due to a physical disability. The medical problem he has prevents him from working a full time job; therefore it's very difficult to support eight school age children with the bare necessities, much less extra frills.

My family and I want to make a small attempt to help make their Christmas a little brighter by preparing a basket of good will. The basket would consist of a BIG turkey, fruit, nuts, candy, etc. If anyone would care to contribute to this worthwhile cause, please contact SFC Willis at 41983 or 43497.

*attending ITC, and we'll present them to you when they've been successfully housebroken.*



MSgt Bill Godfrey is settling in at SD.

## OPERATION SUGARPLUM

Today is your last chance to help make someone else's Christmas a bit brighter through your generous donation of non-perishable canned goods, gifts for adult family members, or money. Please bring your contributions to the containers in each Academic Department or at the entrance to OAR, so they can be picked up for turn-in on 17 Decem-

ber, in time for Christmas distribution to needy Ft. Belvoir families.

If you can't make the DMS deadline, drop boxes can be found at schools, chapels, and fire stations around post — or call Mrs. Susan Olesak at 781-9169 or LT Koplin at 664-1987 for more information.

Help someone less fortunate than yourself...Catch the true Christmas spirit!



# "Squirrely Dan"

by SFC Bower

For years, denizens of the West End (Wheeler Hall) have described Dan Risher as being "a little squirrely." LTC Shrink, DeWitt Army Hospital's Chief of Mental Hygiene, has finally verified the reports.

LTC Shrink has observed Mr. Risher squatting in the grass offering peanuts to the squirrels. Calls of "Here, Squirrel!" can be heard all through the day. Mr. Risher has the squirrels eating out of his hand.

As a result, leaving Wheeler Hall from the West End has become hazardous. Whole families of squirrels line the sidewalk and trail depart-



ing personnel to their cars.

LTC Shrink reports she has notified the Game Warden to determine the rights of exploited squirrels. She has also asked for an escort for Mr. Risher, as she fears he may take up the challenge of the skunks (see "The Fall of the Outhouse of DMS," page 1).

Mr. Risher is taking the investigation quite calmly. In one of his lucid moments, he stated, "Squirrels, skunks, makes no difference. They understand me better than those DMS loonies."

## PICNIC, from page 3

contest." There were many others, and all will be considered, so please don't be offended if yours wasn't mentioned. Especially interesting, I thought, was a suggestion that we picnic on a farm so the kids could look at livestock, farm life, etc.

The question on how to fund the picnic wasn't answered by all, but the majority favored "Ticket sales, raffles, cake sales, etc." Only 20 votes behind, though, was "Totally through ticket sales." Some of the comments: "Cake sales are a pain," and "Raffles are for the birds, not to mention illegal." Well, yes, or whatever. One other comment will, because I conducted the survey and happened to be in charge of this year's financing, draw a special reply. "Large" donations from peo-

ple on promotion lists have never been "requested." Those types of donations have been voluntary. It is possible that the idea may have been "suggested" but certainly not "requested." Additionally, a "private party" has never been "expected," at least not in the years I've been here, and there are few who've been here longer. I acknowledged personally, and publicly in the CONTOUR, all donations to the picnic made by promotees (if I knew about it, and I was in a position to know). Because I requested survey results be anonymous, I don't know to whom I'm replying. If I've misunderstood the comment, please contact me; I'd like to be squared away.

To the questions of "At what age should we charge?" and "Where should children be separated from adults?" most survey respondents answered "Charge for 10 and older," and "12 and over should be adults." Nearly 25 folks thought age 16 or older should be the "break" for adult tickets. I guess I must have the only 12-year old who could out-eat any 260-pound defensive lineman in the NFL.

So that's it. It would seem that all in all, almost everyone enjoyed that picnic and will come again. I appreciate the time you devoted to answering and thank you for the suggestions. I expect that many of your ideas will show up in next year's "DMS Social Event of the Year."

The Three Wise Men would never recognize the Star of Bethlehem this Christmas. But it's there, in plain sight—though now fragmented into the planets Jupiter, Saturn, Mars, and Venus, according to a popular astronomical theory.

Astronomers explain that two or more of these planets appeared to come together in the heavens so that they looked like a single star to the Three Kings. Some Biblical scholars, however, argue that when the Three Wise Men talked about a star, they were actually using the word in an allegorical description of a spiritual experience.

### Star in the East

St. Matthew described in the Gospel how a star guided the Magi to the Christ child in Bethlehem:

"And behold the star which they had seen in the east, went before them until it came and stood over where

the child was. And seeing the star they rejoiced with exceeding great joy."

Astronomers who say the star was really a coming-together of several planets point out that, due to changes in the calendar since then, the birth of Christ was really about 7 or 6 B.C.

Skywatchers looking toward the east in 7 B.C. saw Jupiter pass Saturn on May 29, then appear to reverse and pass it again on Sept. 29, and finally go forward again to overtake it a third time on Dec. 4. This triple conjunction happens only once every 125 years, says the National Geographic Society.

These rare groupings of planets probably were considered with extra seriousness because Saturn supposedly ruled over the destiny of the Jews. It was also considered significant that the phenomena happened in the Constellation Pisces, or House of the Hebrews, where celestial events traditionally

foretold occurrences of great importance to Jews.

### Planets Gave Sign

Early the next year, in 6 B.C., there was a conjunction that occurs only every 805 years: Mars, Jupiter, and Saturn appeared to come together. Some scholars theorize that this event was the sign—the first sighting of the Star of the East—that started the Three Kings on their journey.

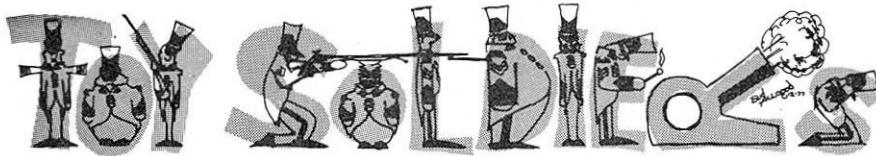
If so, while they were on their way, another grouping took place between Jupiter, Saturn, and the third brightest object in the entire heavens, Venus.

Other explanations—that the Star of Bethlehem might have been a supernova or exploding star, or that it was an exceptionally bright meteor—are discounted because none of the many professional stargazing astrologers of the time recorded any such observances.

## WRITTEN IN THE STARS



## Military Miniatures Aren't Just...



by SSG Paul Lynne

I'm not generally renowned as a graceful individual, but beneath my rather bearish exterior lurks a talent of which few people are aware. I paint miniatures.

It all started a few years ago in Alaska. Winters there being what they are, many people turn to crafts to while away the hours. I was a model sailing ship builder for many years. About six years ago, military miniatures began appearing in large numbers. At first I regarded them, as do many people, as nothing more than toy soldiers. Then one day I needed to spend \$1.50 to make up the minimum mail order amount for a hobby shop in California. So I ordered a miniature.

To make a long story short, I got hooked and the ships I was working on at the time are still in the same state they were in back in 1972.



From left to right, miniatures portray a French Grenadier Drummer (1815), a Mameluke Kettle Drummer (1805), and a Dutch Sapper (1805).

Having a life-long interest in history, painting miniatures is just natural for me. There are about 75,000 different miniatures on the market today, ranging in size from 12mm to 6 inches. The price also varies from a few cents to \$200.00, unpainted. The materials range from plastic to metal (with cloth clothing). The most popular era seems to be the Napoleonic, with its colorful uniforms and a multitude of participants. I have calculated that in the French Army alone, between 1793 and 1812, there were over 1,000 possible uniforms.

The major producer of these miniatures is a French company run by, quite naturally, the official artist of the French Army. They produce unpainted plastic miniatures in 1/32-inch or 54mm size. Their extensive inventory covers personalities like Napoleon and his staff plus all of the units and their equipment. A mounted figure comes in 100 pieces that compose a 3-inch high horse and rider. The miniaturist is required to assemble and

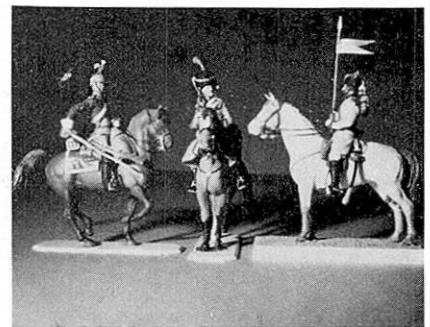


An assembly of the French Grenadier Drummer (1815), a French Hussar (1810), a French Infantryman (1815), a British Cavalryman at Waterloo, an American Cavalryman (1775), and a British Footguard at Waterloo.

paint these to exacting standards if he enters his pieces in competition. After this, the construction of a suitable base is required.

Painting is done with any suitable paint, preferably one that will dry to a flat or satin finish. I prefer artist's oils because they can be blended and shaped easily. Construction and painting of a mounted figure takes about 30 hours.

Currently, I am constructing Napoleon and his topographer, General Bacler D'Albe; various generals; and a multitude of mounted figures. When I tire of Napoleon, I work on the Indian army of the late 19th century. As there are only a limited number of these on the market, I modify these from other plastic figures. My miniatures sell from \$50 and up, depending on the intricacies of the uniform, and make excellent gifts for the collector or military history buff.



Shown here, from left to right, are a French Dragoon (1810), a Polish Cavalryman (1810), and an Indian Army horse soldier (1900).

## ...In A Stable...

On 9 December, SP5 Billy J. Deacon of OSIR reenlisted for another 6 years. In accordance with Army tradition, he chose the site for the swearing-in as Woodlawn Stables, in keeping with his avocation as a farrier. He was accompanied by SGT Rene Ducharme, Reenlistment NCO, and by Maj R. Millians as ceremony officiant. The one on the right in the photo is Timberline Drifter (of CONTOUR fame, owned by editor Lynne



Manov), who loaned his stall for the occasion. A sizeable audience assembled to cheer B.J. on, including SFC Dick Zieres, who was not raising his hand to sign up, but rather to get Drifter to perk up his ears for the photo.

MERRY CHRISTMAS  
and a  
HAPPY NEW YEAR!