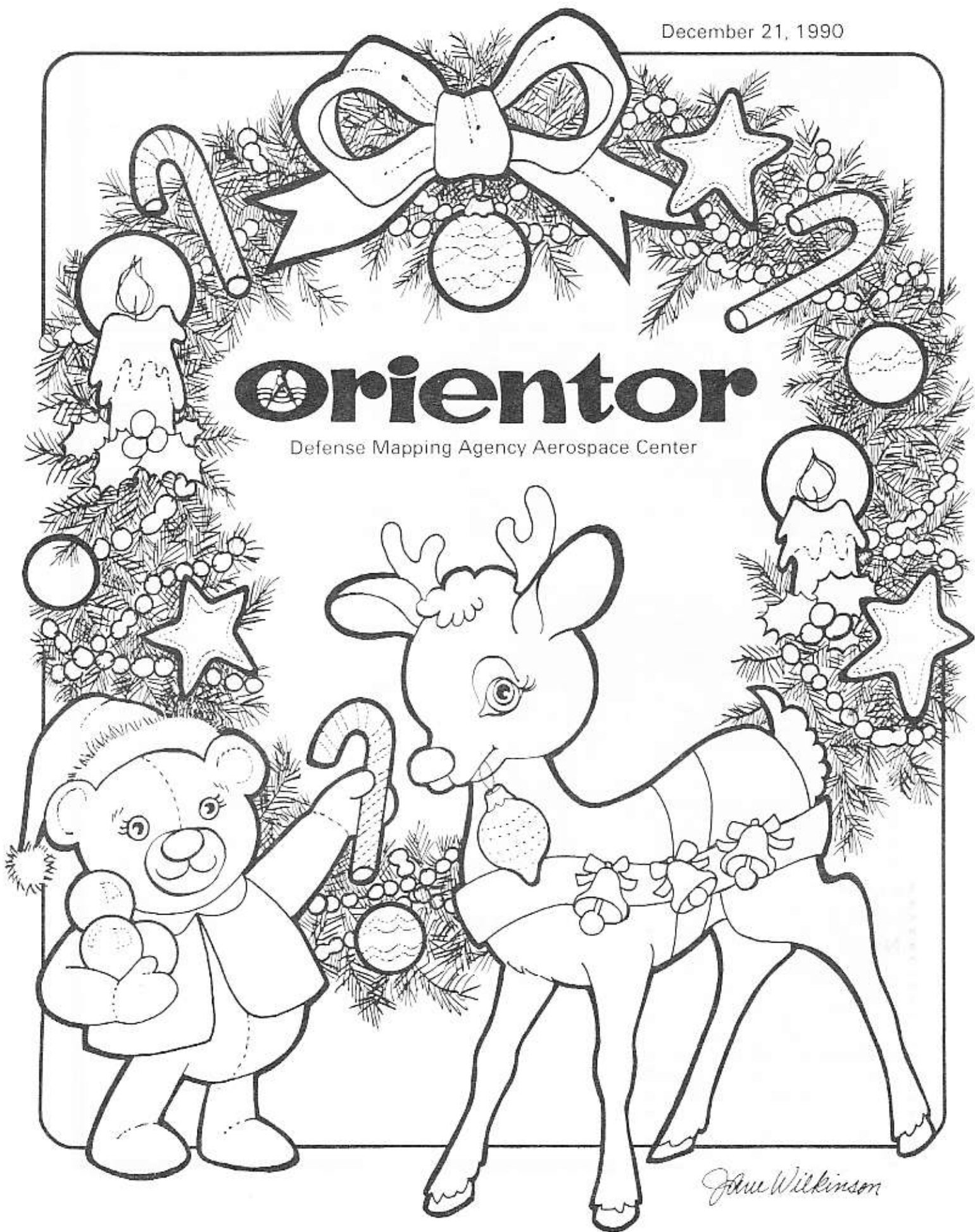


December 21, 1990

# Orienteer

Defense Mapping Agency Aerospace Center



*John Wilkinson*



## Coloring Fun On Page One

The *Orienteer* Christmas coloring contest is back on page one. Children and young relatives of DMA employees are invited to color the cover of this issue and compete for a Wehrenberg movie gift certificate booklet.

The completed color drawings may be in any style (crayon, pencil, felt tip, etc.). Entries will be judged on style, use of color, and originality.

There are four age categories for judging: four and under, 5-7, 8-10 and 10-12. There can be up to 10 winners per category. Besides the movie gift certificate booklet, provided by the Civilian Welfare Council, winners will get an attractive award certificate.

To enter, complete the form below and return this page, with entry on the other side, to the Public Affairs Office (PA), Building 25, by Jan. 7, 1991. Entries will be judged by a panel of CWC members. Winners will be announced in the Jan. 18 *Orienteer*.

### ENTRY FORM

Name \_\_\_\_\_

(First)

(Last)

Employee Sponsor \_\_\_\_\_

Office Symbol \_\_\_\_\_

Duty Phone \_\_\_\_\_

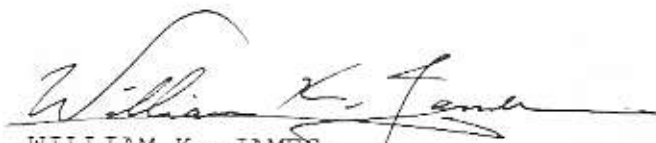
## Holiday Greetings

### From the Director of DMA

**A**s we enter into the holiday season, DMA employees can reflect with pride upon a job well done during the past year. In particular, the Agency's efforts in support of Operation DESERT SHIELD have been examples of total dedication and professionalism.

When we gather for the holidays with our families and friends, let us not forget those American men and women in uniform who stand the lonely vigil in far away places so that we might enjoy the blessings of liberty.

Jo and I extend our warmest wishes to all for Happy Holidays and a prosperous New Year.



WILLIAM K. JAMES  
Major General, USAF  
Director

### From the Director of DMAAC

**T**he words "Peace on Earth" take on a special significance this holiday season as we focus attention on events in the Persian Gulf.

Over the past year each of you has made important contributions, not only to support American troops in the desert, but all military men and women who stand watch around the world. Your efforts have been outstanding and it's a privilege to serve as your Director.

Lorie and I extend holiday greetings and our hope that the peace and joy of this season remain with you and your family throughout the new year.

Sincerely,



MARCUS J. BOYLE  
Colonel, USAF  
Director

# Top Praise For DMA

"I'm personally proud of DMA and the mapping effort," said the Honorable Duane P. Andrews, assistant secretary of defense for Command, Control, Communications and Intelligence, as he spoke to DMA component directors and senior managers at a working luncheon Dec. 7. The OSD official discussed the contributions of DMA to the Department of Defense.

"The Secretary (of Defense) and the Chairman (Joint Chiefs of Staff) are both familiar with DMA's role and fully support your organization," he related. "Your products speak for themselves."

Andrews indicated that the military commanders and services were very supportive of DMA during the recent budget process. Citing a creditable job done by the Agency, he stressed the importance of the ongoing Operation DESERT SHIELD efforts.

Pledging to do his part in support of DMA at the OSD level, the assistant secretary pointed out the importance of MC&G in the future; "...the need for maps continues regardless of the size of the military force," he said. The luncheon was hosted by DMA Director Maj. Gen. William K. James.

## Chain of Command Changes for DMA

The Secretary of Defense recently directed the assistant secretary of defense for Command, Control, Communications and Intelligence (ASD C3I) to report directly to the Secretary and Deputy Secretary of Defense.

The major effect of this action on DMA is to remove the under secretary of Defense for Acquisition from the chain of command. DMA will now report to the Secretary of Defense solely through ASD C3I.

In addition to DMA, the ASD C3I exercises authority, direction and control over the Defense Communications Agency, Defense Intelligence Agency and the General Defense Intelligence Program Staff.



Photo by Jim Stepanik

## Joyful Sounds

Above, Wells Huff (left), soloist, and the DMAAC Carolers perform under the direction of Laura Thompson at the Aerospace Charting Seniors luncheon. At right, retired director Gene Knight conducts.



## Metro Area CFC Honors DMA

**T**he Defense Mapping Agency has received a trophy for achieving the second highest percentage of its "potential" contribution among agencies participating in the East-West Gateway Combined Federal Campaign with 1,000 employees or more.

Total contributions of DMA employees in St. Louis were \$223,947 as of Dec. 11, not counting 15 confidential contributions. The campaign

goal had been \$210,000. The "potential" of an agency is determined by the average hourly wage of all employees for one pay period per month. CFC project officer Kelly Fitzgerald accepted the trophy on behalf of the agency in an awards luncheon Dec. 7. DMA was second behind the Army Reserve Personnel Center.

Contributions to the metro area St. Louis CFC were \$2,107,479. The goal had been \$2,274,313.



## Letter to the Editor

Last night I used the CUE machine at 8900 S. Broadway. Later I discovered I was short \$20. I went back to the machine and checked; no money.

I reported the problem to the Arsenal Credit Union this morning. They told me they'd call me if the machine was over money.

But at 11:30, Mr. T. Heisserer from MCBEA called me; he had my money! He used the machine right after me and found my \$20 bill. He had called the Credit Union and told them his transaction was #50; he wanted to know who #49 was. Me!

Sure made my day.

Mary Jain Feldman, Major, USAF  
Director of Logistics

## In Sympathy

**Humphrey Thomas** died Sept. 18. A supervisory cartographer in the DMA Topographic Command, Kansas City, he retired in 1977. He began his civil service with the Army Map Service in 1951 and served during World War II in the Army Band. He leaves his wife Delois and two daughters.

## Orienteer

Vol. XXXI, No. 26

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## FY 90 Operations...

This issue concludes the series on FY 90 production successes. I thank all who contributed articles and the many others (not identified) who wrote portions, helped edit, verified information and selected photos. I encountered a great eagerness to tell "the story" and that probably says everything about our employees' attitude and dedication.

--Dennis Drum/PPI

### DS SETS RECORDS IN FY 90

During FY 90, the Data Services Dept. (DS) accomplished a record amount of distribution of digital products to both Desert Shield and non-Desert Shield users, increased the DoD Gravity Library's holdings by 1.6 million gravity stations, distributed Point Positioning Data Bases (PPDB's) to an ever increasing number of users, and operated the Central Site computers around the clock and on weekends when needed.

What follows are descriptive accomplishments for the three divisions of DS (DSM, DSG and DSC) and the Production Office (DSP).

#### Digital Data

As the focal point within DMA for the distribution of digital data products, DSM responded to users by shipping 61,863 cells of DTED data and 16,921 cells of DFAD. From August to September, activity increased dramatically for Desert Shield support. During that time, 19,443 cells of DTED and 4,458 cells of DFAD were retrieved and shipped. Many requests were satisfied in less than 24 hours, and selected individuals were on-call to handle specific requests. The success of this entire effort can only be attributed to the dedicated and unselfish effort of the cartographers.

#### Information

All the information-support sections provided behind-the-scenes support to offices at AC and DMA components. The PPDB Repository (DSMCD) shipped a huge number of PPDB materials to support military forces; over 250,000 pieces were shipped to support Desert Shield alone. None was misdirected, no field

complaints were received, and no security violations occurred.

The Acquisition/Service (DSMCA) Section ordered, loaned, and copied source materials on short notice to support Counternarcotics and Desert Shield. Despite multiple position vacancies, over 17,000 customers were promptly serviced. The section also cataloged over 3,490 new foreign current materials are available for users.

The Technical Translation Section (DSMCC) completed 970 translations. Translators scanned foreign language publications and prepared abstracts in support of all on-going MC&G activities. They also provided names support for new and updated charts with heavy requests stemming from the Counternarcotics Program and Desert Shield.

The Technical Library (DSMCB) acquired specialized technical publications through purchase and loan for all offices and components. During FY 90 the goal of bar coding 100 percent of the circulating book collection was also reached.

#### Synthetic Aperture Radar

Support for the Special Support Project program increased substantially in FY90. The STAR-I Airborne Synthetic Aperture Radar (SAR) Production System has evolved dynamically throughout all phases of development and will support the Special Support Project program. Data Base Management Branch II (DSMB) has been tasked with SAR since its introduction. DSMB is responsible for validation, visual verification, duplication and storage of the SAR imagery data for contractor delivered tapes to DMAAC.

System Center West Group programmers have worked closely with the Data Base Analysis System (DBAS II) by supplying all of the software for editing and processing SAR data. The DBAS II capabilities were altered to meet these needs. SAR has been a learning experience from the start, and the software has been subjected to major revisions initially and more minor changes lately. The raw SAR data has been sent to DMAAC on 9-track magnetic

## ...A Proud Accomplishment



From left, geodesists George Peterson, Emllia Stentz and Al Briesacher discuss mean gravity anomalies in the Data Services Dept. Geosciences Division (DSG). Mean gravity anomalies are used to compute gravity distances at various altitudes.

Photo by  
Jim Stepanik

tapes and has more recently been shipped on 8MM Exabyte cartridges, which caused procedural and software changes. The data is edited and duped on the DBAS II. Hard copies of the data are supplied on positive contact prints.

Close and timely cooperation between the Systems Center programmers and DSMB SAR analysts has been the "solid foundation" that has allowed DSMB to prevail in accomplishment of all assignments on or before contractor due dates.

### Data Transformation

DMA digital terrain and feature analysis data supports weapon systems trainers. Before the DMA standard data can be used for this purpose, Data Base Management Branch 1 (DSMA) must transform its content and format for use in the computer systems driving the simulators. Data is transformed for nine aircraft simulator radar and visual systems developed since 1979. Data is provided by DSMA for radar and visual systems in flight simulators for the Air Force, Navy, and NATO. Cartographers in the branch have transformed 20,000 one-degree cells of data at rates of about 2,000 per year. Completed data is shipped to Software Support Centers (SSC) at Air Force and Navy bases and to NATO nations.

DSMA cartographers and systems

analysts maintain close technical and professional contact with SSC personnel to help solve problems with data that will not load to simulator computers or does not appear realistic on simulator radar and visual displays.

A recent addition to the transformation programs managed in DSMA and processed on the UNISYS mainframe is the B-1B Radar Transformation System. This system was delivered to DMA in October 1990, though the branch has been involved with its development since 1984. Throughout FY 90 DSMA cartographers and analysts worked with the developer, Boeing Aircraft, and Aeronautical Systems Division, Wright-Patterson AFB, Ohio, to test the new system and ensure that it would perform according to specifications when delivered.

The B-1B Radar Transformation System is an integrated unit driven by a Gould 3270 computer. Cartographers assigned to digital data transformation recently completed training on system operation and will eventually produce up to 1,000 one-degree cells of data annually for simulators at Dyess AFB, Texas.

### Tactical Reconnaissance

The Data Services Dept. was tasked to support Detachment 8 of the 2762nd Logistics Squadron, Robins AFB, Ga., for areas covering the Desert Shield operation in support of

the Tactical Reconnaissance Aircraft. The total size of the area consisted of 1,620 one-degree by one-degree segments. The final products produced by the Geosciences Division (DSG) were a gridded set of gravity disturbances at four different altitudes.

The Tactical Reconnaissance Aircraft support is used to monitor troop movements and other valuable surveillance functions and is the replacement for the U-2. One of the navigators supported is the NAS-21A Astroinertial Navigation System (AINS), which determines its position by utilizing star sights. Position accuracy requirements are such that local variations in the gravity field, defined by the gravity disturbance vector, are needed.

The product and its accuracy depended upon the ability of DSG personnel to acquire gravity information over the area from non-DoD organizations. Collection actions were initiated when the requirement was identified, which resulted in the acquisition of thousands of new gravity stations. The data was processed, evaluated, and combined with previously acquired data to predict 5'x5' mean gravity anomalies. In ocean areas, GEOSAT altimetry data was used along with collected gravity stations to compute the 5'x5'

Continued on page 6.

# FY90 Operations...

Continued from page 5.

mean gravity anomalies. Areas void of detailed gravity information were treated with a combination of DTED data and long wavelength spherical harmonic gravity information to get representative 5'x5' mean gravity anomalies. All of the mean gravity anomaly data was then used in a numerical integration process to yield the final gravity disturbance products. DSG feels that the model produced in this critical area was the best available product that could be accomplished in a short time. The project shows the importance of acquiring all gravity data, at moments of opportunity, on a worldwide basis, and placing the data in backlog for future use. It also reflects that requirement areas change overnight and that the need for a flexible workforce is critical.

## GEOSAT

New methodology developed by DSG utilized GEOSAT Satellite Radar Altimetry to satisfy nearshore TRIDENT II requirements. DMA has the responsibility to acquire gravity data over land and nearshore ocean areas to satisfy the TRIDENT submarine program. This practice resulted in the production of 5'x5' mean gravity anomalies utilizing altimetry geoid heights and conventional gravity point data to satisfy Navy requirements. In FY90 an Effectiveness Productivity Action of 6.8 million dollars was submitted against planned surveys. This methodology will result in tremendous cost avoidance actions for the total requirement area which basically covers the nearshore ocean and large inland bodies of water.

## Computer Operations

The Computer/Communications Division (DSC) made several contributions supporting AC's production programs and special projects during FY90. This was accomplished by providing computer service to hundreds of AC users accessing the large mainframe computer systems. The DS computer operators have supported production requirements on a three-shift-per-day schedule for all departments at AC and many com-



Cartographer John Boerner (DSM) validates Digital Terrain Elevation Data (DTED) on the image manipulation station. DTED supports weapon systems trainers.

puter users at HTC and TSC.

## Production Management

Under crisis management, the Production Management Office (DSP) ensured that all digital product data supporting Desert Shield was on its way by or before the requested dates. DTED, DFAD, PVOD, ITD, PITD, and PPDB requests were all satisfied with timely, accurate, and validated data.

Pre-established procedures and telephone alerting pyramids were implemented by DSP to receive and process requests for data through the Emergency Operations Center. Three program managers, Bob Brueckmann, Beverly McKinney, and Mike Hodge worked an uncommon tour of duty to

parallel the hours the EOC was operating.

A tracking system to facilitate the flow of assignments from DSP to the divisions was instituted, and a tailored format and automated process were set up for easy tracking and reporting of status to management. DSP personnel also worked closely with Brenda Jedliska and Bonnie Ribbing in the CSC Distribution Operations Department's St. Louis Office.

*Contributors to this article were Bob Terry, Jerry Jackson, Jim Dabbs, Marcelee Jackson, Barbara Bick, Larry Dotson, Mike Zimbleman, Walt Fisher, Jeff Boone, Steve Telford, Steve Bruno and Mark Schade.*



Lela Fitch (DSM) cuts Point Positioning Data Base (PPDB) film chips.

## SECURITY MOVES AHEAD

The Directorate of Security (SO) met challenges in providing for the secure movement of classified material, developing computer security awareness, and implementing the new DMA security identification badge system.

### Moving Classified Material

The Security Support Branch (SOCS) continued to support DMAAC production units in several projects during 1990. Among them was the DPS program. Sharon Degenhardt and Adrienne Meixner continued to ensure that contractor and government agency documents received by courier were accounted for and



# ...A Proud Accomplishment

distributed as quickly as possible.

Operation Desert Shield had a significant impact on SOCS. Although seriously understaffed, Earl Ross and Harold Stump managed to prepare documents, wrap, ship and/or receive 51 courier shipments, which contained 1,239 packages and weighed 39,768 pounds. A normal work load is half that amount. All of the materials were received and/or wrapped, documented and shipped without incident or compromise of classified materials.

SOCS provided the vault and courier services to 8900 S. Broadway, which supported the Counternarcotics Program. Extra vault service beyond normal working hours, quick response to "walk through" work orders and extra courier runs to 8900 were all performed on an "as needed" basis.

Even with a serious shortage of personnel, SOCS managed to handle the extra work load and still moved all of the 5C Vault operations to the 2D Vault with minimal impact on our support mission.

## Computer Security

FY90 brought a heightened awareness of computer security to DMAAC. The growth of office automation, along with computer virus threats, stressed the need for protection of our "Sensitive Unclassified" data. SO played a vital role in the development of a computer security video which was used throughout DMA to provide training to users of Automated Information Systems (AISs). This training enlightened users about potential vulnerabilities and threats and provided important information and suggestions regarding safeguards for our AIS resources.

## Identification

With support and cooperation from Center personnel, Facility Security (SOF) saw a new DMA Security Identification Badge System implemented, enhanced vehicle registration and many new security education initiatives.

The fabrication and issuance of over 4,000 badges was a success largely due to the cooperation and patience of everyone involved. It took a coordinated effort between the



Nancy Kinser photographs employee Karen Hanschmidt for a security ID badge.

security office and the security monitors to achieve a successful transition. The same held true with the issuance of the "91" expiration decals for registered vehicles.

Platinum kudos to Nancy Kinser (SOFG), TSgt. Michael Williamson (SOF), Monica Sharp (DS), Robert Eddy (SD), Don Poff (DP) and Sue Paige (FE) for making a project involving over 3,000 Center and tenant employees so successful.

Security education and motivation are important aspects of an improved security environment and this past year was no exception. The Security Office conducted numerous security education refresher briefings throughout the year. Approximately 1,200 employees received briefings on handling classified material, challenging security classification, espionage, and general security awareness. We also saw the development and presentation of a new course for secretaries on security issues.

The Foreign Travel Program provided over 300 travelers with useful information and tips concerning potential hostile activities while traveling for business or pleasure. The Security Office also developed and disseminated a Marking Guide to assist all employees having derivative classification potential. Platinum

kudos to Jim Argabright, Don Wright, and Al Rude for making the security education program a success.

--George Parker, Vickey Bohrer and MSgt. Mark Green

## ACHIEVEMENTS IN PERSONNEL

FY 90 witnessed many notable achievements by the Directorate of Civilian Personnel. Among these were accomplishment of the civilian employment plan and major reorganizations resulting from the 19 realignment proposals approved by the DMA Director.

The FY 90 Civilian Employment Plan was successfully accomplished through efforts of the staffs of both the Recruitment and Examining Division and the Staffing Division. These efforts were even more notable in that the total strength of the Aerospace Center had to be reduced by over 250 employees during FY90.

The staffs of Classification and Evaluation Division and the Staffing Division collectively accomplished the herculean task of establishing new organizations and positions and moving 500 employees into these positions to implement the realignment proposals. These actions were required in a short

Continued on page 8.

# FY90 Operations...

Continued from page 7.

period and, very importantly, were completed with all affected DMA employees in the St. Louis area being offered continuing positions.

These accomplishments occurred concurrent with the delivery of other high quality classification and staffing services to DMAAC organizations.

## Training

FY 90 proved an eventful year for training. In the Career Development Division, use of in-house instructors and facilities to conduct MS DOS computer training saved the Center over \$100,000. Using ten networked Zenith 248's located in the 1A-2 training room of Building 36, volunteer instructors from a wide variety of DMAAC organizations conducted training on software packages ranging from Introduction to PC DOS to advanced network topics. An Apple Macintosh training center is planned for FY 91.

In the Midwestern Training Center the "Carto Training School" became the DMA MC&G Orientation Program (DMOP) consisting of 11 standardized training modules. DMAAC departments provided subject-matter experts to develop and deliver the modules to in-coming new cartographers, geodesists, and other MC&G professionals. A modern Stereoscapy Lab was incorporated into the 8900 S.

Broadway facility, with 4 AS-11/P stereoplotters and a PASS V Central Site complete with accommodations for the handicapped.

The Training Center also began planning to assume in FY 91 the DMAAC Vision Performance Program, which is designed to enhance stereo vision acuity for employees. A course for the Mark 85 Data Integration Segment (D/IS) was developed by the Scientific Data Dept.

Using Hypercard software on Macintosh computers, computer-based training has enormous potential for Digital Production System (DPS) training, scheduled to begin at DMAAC in FY 92. The Midwestern Training Center coordinated DPS training activities for DMAAC, preparing its DPS training facility in the 3D area of Building 36 for Full Production Training.

## Employee Assistance

Last year over 2,300 employees took part in 22 on-site programs, conducted through the Employee Assistance Program (EAP), to promote overall well-being of employees and their families. A sampling of topics and activities includes "Stop smoking" classes, health risk assessment, weight management, fitness walking, PMS, AIDS, drug testing, back care, sport shoes and injuries, visual display syndrome, "wallogging"

activity program, income-tax preparation, car pool/van pool awareness and sign-up program, and health-fitness and family well-fairs.

In the past three years, for the sake of economy, consistency and quick response, major informational programs created by the EAP staff on AIDS and the Federal Drug-free Workplace Plan were taken on the road and presented throughout DMA.

Free and confidential short-term counseling and referral services were available to employees experiencing personal problems that could adversely affect their job performance or conduct. Supervisor, management and union consultation and training on EAP-related subjects were also provided.

## Safety

The success of the AC Mishap Program is easily measured by comparing the mishap figures of FY 89 vs. FY 90. Class D mishaps (requiring a restricted work day or treatment by a physician) decreased 11%, while Class C mishaps (resulting in lost work days) were down 33%.

The number of restricted work days has shown a significant 78 percent decrease from 352 days in FY 89 to 79 days in FY 90. The number of lost days due to mishaps decreased 20 percent from a total of 244 in FY 89 to 195 in FY 90.

Overall, mishaps tend to result from falls and overexertion, although there has been an increase in cumulative trauma disorders, specifically carpal tunnel syndrome. Increased training and development of employee awareness has been undertaken to abate mishaps further.

The fact that AC achieved an overall mishap rate of 6.74, compared to the Presidential Goal of 14.91, was largely due to the mutual efforts of both management and the employees to abate outstanding hazards and increase general safety awareness.

## Injury Compensation

The costs of the Injury Compensation Program were reduced through the use of an effective light duty program. Both DMA and the employee benefit when employees return to work as soon as possible. Under



Personnel staffing specialist Sheree Cannady (right) discusses employment requirements with a cartographer applicant.



# ...A Proud Accomplishment



Antoinette Hamel (right), chief of Base Operations in the Facilities Contracts Office-St. Louis, discusses a contract with contract specialist Agnes Wegescheide.

the light duty program, the employees returning to work receive their full salary rather than the reduced benefits they would receive under the Injury Compensation Program. The light duty program would not be possible without the support and cooperation of the DMAAC managers. Their willingness to bring employees back before they can perform the full range of their duties made this program a success.

## Cleanup

In February DMAAC completed Phase I of the oil spill cleanup at 8900 S. Broadway. Because the spill, which occurred in FY 88, contained an extremely small amount of Polychlorinated Biphenyls (PCBs), site cleanup was ordered by the Environmental Protection Agency. The Corps of Engineers arranged for a two-phase cleanup, Phase I being cleanup of any contaminated soil and equipment and Phase II being cleanup of any contaminated groundwater.

Although Phase I of the cleanup was inherently costly because of the strict procedures that had to be followed during cleanup and disposal, costs were significantly reduced through the efforts of the Safety Office to obtain a special permit from the EPA to dispose of the remaining PCB-contaminated oil in the boilers at 8900, saving over \$220,000.

--Human Resource Management  
Directorate, St. Louis Area

## CHANGES IN ACQUISITION

The Directorate of Acquisition, consisting of Base Operations, MC&G Support and Small Purchases, awarded contracts and purchase/delivery orders totaling \$32.4 million in FY 90. The directorate also performed contract administration, prepared awards for FY 91, and fully supported Counternarcotics and Desert Shield. Since the reorganization on Oct. 1, we are the Facilities Contracts Office-St. Louis, consisting of a Base Operations Branch and Small Purchases Branch. All of the MC&G support is now in Washington, D.C.

During the last fiscal year, Small Purchases spent \$12 million awarding 2,400 priority purchases and 9,600 routine purchases. They also handled 443 modifications to existing purchase/delivery orders. All this was done in consistently less time than the DMA standard allows because our personnel take great pride in insuring that our requirement is where it is supposed to be and at the right time.

The Base Operations Branch is responsible for base-support contracting exceeding the small purchase threshold. While the normal procurement lead time for awards of this nature is 120 to 180 days, Base Support contract specialists have repeatedly awarded many-many of these contracts in under 60 days.

--Facilities Contracts Office-St. Louis

## FLIP ACCOMPLISHMENTS

Department of Defense (DoD) Flight Information Publications (FLIPs) continued to set standards worldwide for flight information accuracy and currency during FY90. From those involved in negotiations with data suppliers and customers at the staff level to those involved in direct production, everyone contributed their time and talent to achieve the maximum in customer support.

The basis for quality aeronautical production is the aggressive and thorough acquisition of source materials to support a high quality product. During the past year, negotiators at AC and HQ DMA worked with Aeronautical Information Offices in several countries and developed more efficient methods for providing amendments to their aeronautical source materials. As a result, production costs were reduced while customers receive publications with improved currency.

In a dedicated effort, the staff offices and production organizations obtained the required information and published new enroute data over Vietnam. Major Gen. Donald Snyder, Pacific Air Forces, in a letter of appreciation to DMA commented, "This information has become very important in recent months as DoD is flying more humanitarian-type missions into Vietnamese airspace."

Working with managers at the National Oceanic and Atmospheric Administration and with people throughout DMA, AC managers initiated several changes to the aeronautical programs which resulted in savings in excess of \$2.5 million. Cancellation of future projects, discontinuance of existing products, and combination of publications accounted for the savings. As a result, resources were diverted to other, higher priority projects.

--Aeronautical Data Branch  
(PPCF), Mapping and Charting Dept.  
Production Support Office (MCP),  
Aeronautical Information Division  
(MCB), and Aeronautical Imagery Exploitation Branch (MCAC).

# Promotions

Acklin, Alonzo O., GS-12	Conrad, Paul R., GS-12	Hansen, Lawrence N., GS-12	Koniak, Paul P. III, GS-12
Agnew, Jeffrey F., GS-12	Conroy, Virginia K., GS-12	Harmon, Terry W., GS-12	Kort, John C., GS-12
Ahlers, Scott A., GS-12	Corkery, Deborah W., GS-12	Harris, Thomas G., GS-12	Kostka, Del C., GS-12
Albers, John J., GS-12	Crawford, Ronald R., GS-12	Harrison, Carrie J., GS-12	Krohn, James C., GS-12
Allen, Stanley L., GS-12	Creaven, John J. Jr., GS-12	Hartmann, Dennis G., GS-6	Kuhnline, Michael J., GS-12
Anderson, Sheldon L., GS-12	Cressman, John D., GS-12	Heard, John A., GS-12	Lachance, Robert S. Jr., GS-12
Andracek, Claire, GS-12	Crowe, Gary W., GS-12	Heissorer, Theon L. Jr., GS-12	Ladd, Augustus N. Jr., GS-12
Arl, James M., GS-12	Cutler, Cecil H., GS-12	Held, Timothy, GS-12	Lanham, Thomas E., GS-12
Arl, Timothy B., GS-12	Dalton, Janet J., GS-12	Herbert, Barry F., GS-12	Layton, Harold V., GS-12
Aschenbrenner, Pamela S., GS-12	Damschroeder, David F., GS-12	Hicks, Robert L., GS-12	Lembke, Kenneth G., GS-12
Aschenbrenner, Richard A., GS-12	Davenport, James A., GS-11	Higdon, George Scott, GS-11	Letrello, Michael F., GS-12
Ballard, Thomas L., GS-12	Davies, David W., GS-12	Higginbotham, Michael L., GS-12	Leuschner, Alfred E., GS-12
Barbeau, Rex A., GS-12	Dedic, Robert C., GS-12	Hillestad, John M., GS-12	Levendoski, Richard J., GS-12
Barber, Danny W., GS-12	Deist, Richard A., GS-12	Hines, Randall M., GS-12	Liebsch, Gary L., GS-12
Barr, Edward E., GS-12	Devening, Eric R., GS-12	Hinesman, Mark E., GS-12	Lihs, David J., GS-12
Bartlett, Spencer L. Jr., GS-9	Devero, John M., GS-12	Hinkley, Everett A., GS-12	Little, James D. Jr., GS-12
Bastholm, Kenneth M., GS-12	Deweese, Trent A., GS-12	Hinterleitner, Bruce E., GS-12	Lloyd, Scott D., GS-12
Bazan, Eugene J., GS-12	Dexter, Ronald L., GS-12	Hirschfeld, Scott M., GS-12	Lohman, Bruce J., GS-12
Beck, Thomas J., GS-12	Dills, Kay D., GS-11	Hodes, Frederick A., GS-12	Loo, Yim C., GS-12
Behrens, Susan J., GS-12	Distler, Richard L., GS-12	Hoff, George E., GS-12	Lundgren, Philip J., GS-12
Bennington, Charles A., GS-12	Dobbs, Bradley A., GS-12	Hoffmeyer, Gene T., GS-12	Lutsky, Edmond, GS-12
Berge, Rick D., GS-12	Douglas, David L., GS-12	Honea, Shirley J., GS-7	Manning, Dennis M., GS-12
Bick, Alfred R., GS-12	Dowdell, Richard Wodtke, GS-9	Houser, Susan M., GS-12	Masucci, Gerald W., GS-12
Biere, Debra S., GS-12	Dowell, William E., GS-12	Howard, Kevin M., GS-12	Mattison, Dennis A., GS-12
Bird, Rose M., GS-7	Downey, Scott E., GS-12	Howard, Marian K., GS-12	McClane, Douglas W., GS-12
Bjerko, Jeffrey C., GS-12	Dunnigan, Michael L., GS-12	Huddle, John P., GS-12	McCluer, Arthur C., GS-12
Blodgett, James A., GS-12	Duran, Jose M., GS-12	Huelsebusch, Keith A., GS-12	McClure, James F., GS-12
Bobblitt, Charles A., GS-12	Dvorchak, Raymond A., GS-12	Huelsebusch, Laurie R., GS-12	McClure, Wayne E., GS-12
Bollinger, Beverlee K., GS-12	Egan, Richard A., GS-12	Huenig, Vincent G., GS-12	McCormick, Wayne J., GS-12
Boone, Patrick B., GS-12	Erpenbach, Dean P., GS-12	Huffman, Richard C., GS-12	McDaniels, Joseph W., GS-12
Bowman, David G., GS-12	Etter, Gary L., GS-12	Hull, Gerald T., GS-12	McDowell, Donald R., GS-11
Breckner, William L., GS-12	Evans, Johnnie L., GS-12	Hume, Connie J., GS-12	McElroy, Betty K., GS-12
Brewer, Elmer W., GS-12	Falk, Jeffrey S., GS-12	Hutson, Edward W. Jr., GS-12	McMartin, Dawn Y., GS-12
Brown, Gary L., GS-12	Farley, Raymond O. Jr., GS-12	Ivens, Sharon M., GS-12	McSpadden, Rex A., GS-12
Briesacher, Allen I., GS-12	Fergus, Daniel J., GS-12	Iversen, Steven D., GS-12	Meade, Dennis G., GS-12
Brinkmann, Anthony F. Jr., GS-12	Ferguson, Craig A., GS-11	Jackes, Franklin R. Jr., GS-12	Meier, Don R., GS-12
Brummett, Tony L., GS-12	Ferris, Kenneth C., GS-9	Jany, Earl E., GS-12	Messick, Brian K., GS-12
Bryan, Robert, GS-12	Fiedler, William J., GS-12	Jarvis, Joseph S. Jr., GS-12	Michaels, Anthony J., GS-12
Buckley, M. Linda, GS-12	Fisher, Harold K., GS-12	Jenkins, Karen, GS-12	Middleton, Betty A., GS-12
Buckwalter, William S. Jr., GS-12	Florich, Mary A., GS-12	Jennrich, Brian J., GS-12	Miller, Mary F., GS-12
Burke, Diann L., GS-12	Florich, William F. III, GS-12	Johnson, James R., GS-12	Miller, Mary Jo, GS-12
Burlingame, Roger L., GS-12	Forster, Betty J., XP-10	Johnson, Linda M., GS-12	Miller, Robert W., GS-12
Byerly, Ronald E., GS-12	Foster, Andrew J. G., GS-12	Joiner, Benson E., GS-12	Miller, Timothy J., GS-12
Camp, Julie Ann, GS-12	France, Joseph, GS-12	Jungewaelter, Katherine R., GS-12	Moon, John M., GS-12
Casetta, Lee J., GS-12	Froeman, Eddie N., GS-12	Junghans, Stephen M., GS-12	Mooney, Cleveland R., GS-12
Cejka, Edward D., GS-12	Gaedig, Charles F., GS-12	Kaiser, Emma L., GS-12	Moore, Mark A., GS-12
Chamberlain, Harold L., GS-12	Gophart, Richard A., GS-12	Kelley, Brent D., GS-12	Moore, Randall J., GS-12
Chropkowski, Gene J., GS-12	Giarraffa, Donald G., GS-12	Kennedy, Anne P., GS-12	Morris, Malford W. Jr., GS-12
Cline, Russell W., GS-12	Gray, Merlin L., GS-12	Ketterling, Larry E., GS-12	Morrison, Douglas J., GS-12
Collier, Chris L., GS-11	Greene, Patricia L., GS-12	King, Steven L., GS-12	Morrison, Tim A., GS-12
Comer, Rollie Jr., GS-12	Greenland, Roger D., GS-12	Kistler, Barbara R., GS-12	Muir, Carolyn J., GS-6
Connell, Michael S., GS-12	Greenlund, John C., GS-12	Klein, Joseph L., GS-12	Mumm, Donald E., GS-12
Connor, Jack W., GS-12	Gruchot, Paul A., GS-12	Kleine, Kathleen M., GS-12	Musgrave, Ray E., GS-12
	Haase, Jeffrey A., GS-12	Kline, Jeffrey L., GS-12	Needham, John E., GS-12
	Hall, Connie J., GS-12	Koepf, Vincent L., GS-12	Nelstead, Kevin T., GS-11
	Hamby, Chris A., GS-12		Nichols, Harold D., GS-12
	Hanratty, Donald K., GS-12		Nierman, Donald A., GS-12

## Promotions

Ninneman, David S., GS-12	Reid, Janet S., GS-12	Snedaker, Marshall G., GS-12	Vandermeulen, Maryann A., GS-12
Norton, Billy J., GS-12	Reinholtz, Edward B., GS-12	Snowden, Danny W., GS-12	Vento, Diane C., GS-11
Nungesser, Curtis A., GS-12	Reynolds, Leigh V. II, GS-12	Snyder, Linda A., GS-12	Voller, Mark H., GS-12
Oeser, Linda L., GS-12	Riggs, Herschell F., GS-12	Sorum, Mark W., GS-12	Wagner, Gregory R., GS-12
Ohlson, Peggy L., GS-11	Riis, Edwin R., GS-12	Souder, Jerome W., GS-12	Walker, Jennifer L., GS-12
Olive, Steven H., GS-12	Roberts, Philip W., GS-12	Sovar, Doris J., GS-12	Washechok, Tim D., GS-12
Papcun, Gregory A., GS-12	Rodriguez, Patsy L., GS-12	Speiser, Barbara A., GS-12	Waymire, Kelly S., GS-12
Park, William A., GS-12	Roerig, Patricia A., GS-12	Spong, Lawrence L., GS-12	Wells, Danny S., GS-12
Parker, Nicholas C., GS-12	Rogers, Jeff C., GS-12	Spriggs, George R., GS-12	Wendie, Gary E., GS-12
Paulson, Keith C., GS-12	Rohn, Walter L., GS-12	Squires, Charles E., GS-12	Werner, Richard W., GS-12
Peacock, Ronald W., GS-12	Rosendale, Robert D., GS-12	Stanley, Vicki L., GS-11	Werner, Sharon S., GS-12
Peanick, Margaret Ann, GS-6	Rowe, Michael W., GS-12	Stark, Kenneth W., GS-12	Wesloh, David G., GS-12
Pearson, Gary D., GS-12	Rucker, Ivory O. Jr., GS-12	Stein, David T., GS-12	Whitehead, Cynthia A., GS-12
Pearson, Kevin B., GS-12	Rudebusch, Dixie S., GS-12	Stock, Elizabeth L., GS-12	Whitmore, Franklin D., GS-12
Pedersen, Brian W., GS-11	Sakaguchi, Bettye L., GS-12	Stragliati, Sandra L., GS-12	Wickam, Earl W., GS-12
Perry, Kevin J., GS-12	Sanders, Evelyn R., GS-12	Streich, Wolfgang K., GS-12	Wiley, Donald K., GS-12
Peterson, Brian M., GS-12	Sandusky, Ricky G., GS-12	Strother, Jon M., GS-12	Wilkins, Charles K. Jr., GS-12
Pilger, Michael L., GS-12	Schaaf, Edward K., GS-12	Sturley, John R., GS-12	Williams, Edward T., GS-12
Piper, William B., GS-12	Scher, Eric R., GS-12	Sutton, Oliver L., GS-12	Williams, Scott K., GS-12
Pohlers, Michael J., GS-12	Schimmelpfenning, Kurt V., GS-11	Swanson, Gregory A., GS-12	Wills, Elliot J. Jr., GS-12
Poropat, Kay E., GS-12	Schlepp, Neil L., GS-12	Szigetl, George J., GS-12	Willson, Harry T. Jr., GS-12
Poropat, Richard K., GS-12	Schmalbeck, Donald J., GS-12	Taggart, Marla Kay, GS-12	Wilson, Michael S., GS-12
Powers, Edward R. Jr., GS-12	Schmidt, Donald D., GS-12	Takach, James R., GS-12	Winslow, Diana L., GS-12
Preston, James N., GS-12	Schuler, Mark E., GS-12	Tate, Concer E., GS-12	Wissman, Elizabeth F., GS-12
Prince, David B., GS-12	Schury, Ruth I., GS-12	Thompson, Brodie, GS-11	Wolf, David J., GS-12
Prout, Thomas M., GS-12	Schwab, Kevin D., GS-12	Tolefree, Patricia A., GS-12	Wright, Edwin L. II, GS-12
Puhan, Oscar W., GS-12	Schwartz, Anne G., GS-12	Tomlinson, Ronald D., GS-12	Wuthrich, Floyd K., GS-12
Puricelli, Raymond J., GS-12	Schwarz, Thomas E., GS-12	Tracy, Christopher S., GS-12	Yates, Robert D., GS-12
Raatz, Don L., GS-12	Scott, Janet K., GS-12	Tracy, Kevin H., GS-12	Zuhiko, David C., GS-12
Rambo, Lawrence V., GS-12	Scott, Jeb S., GS-12	Trippe, Terry L., GS-9	
Rau, John M., GS-12	Seaton, Billie D., GS-12	Turner, James A., GS-12	
Raymond, Kim A., GS-12	Selvey, Ronald L., GS-12	Vance, Don R., GS-12	
Redman, Benny J., GS-12	Simpson, Richard E., GS-12		
Reed, Marshall R., GS-12	Slavik, Bradford J., GS-12		
Reid, Dane H., GS-12	Slovakok, Kirtland S., GS-12		
	Smith, Samuel E., GS-12		

### Military Promotion

TSgt. Tracy M. Wymore

## Calendar

JAN.	EVENT	PLACE	RESPONSIBILITY
1	NEW YEAR'S DAY		
3	Toastmasters	Lindbergh Room	R. Snider/4956
8	FBA Meeting	Garavelli's Inn at Park	T. Woodward/895-9208
10	Toastmasters	South Annex	H. Galan/8384
15	Toastmasters	Lindbergh Room	R. Snider/4956
17	FEW Meeting	2nd St Dining Hall	M. Miller/4783
17	Bloodmobile	2nd Street	P. Benson/4047
21	MARTIN LUTHER KING'S BIRTHDAY		
24	Toastmasters	South Annex	H. Galan/8384
30	NFFE Local 1827	2nd St Dining Hall	E. Hacker/776-8424

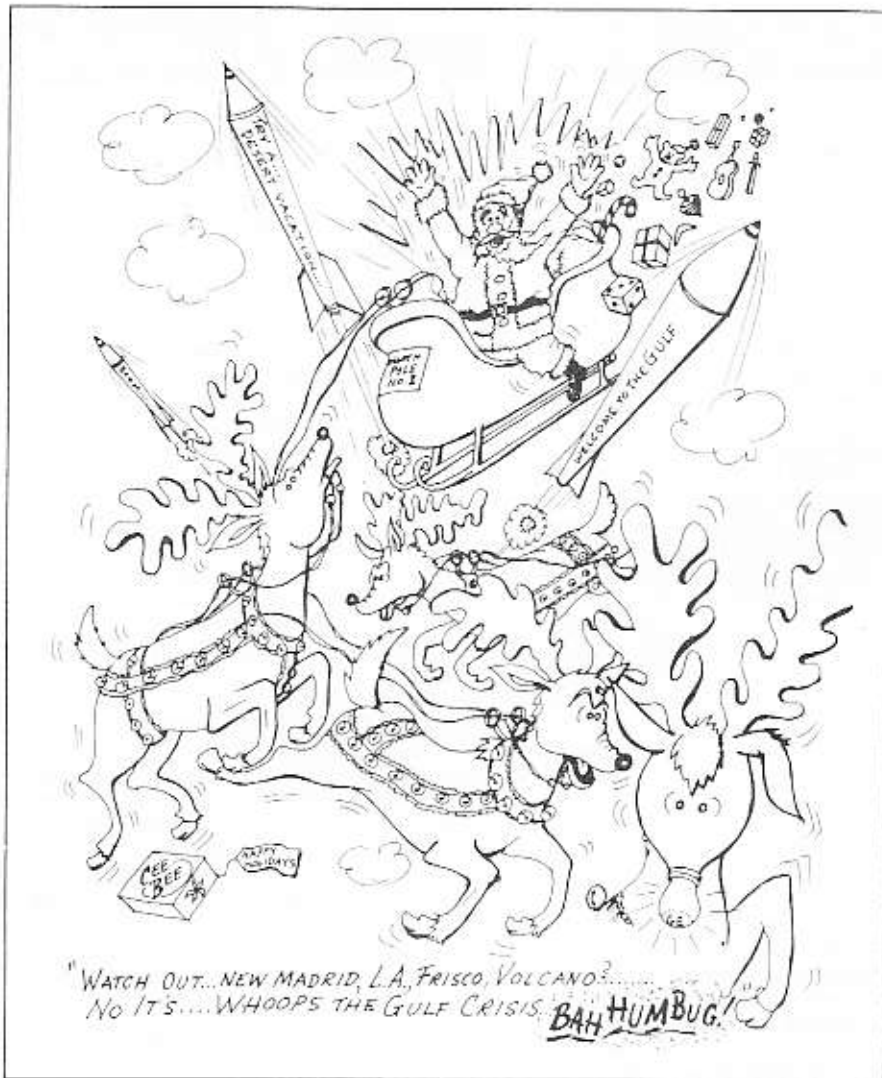
Contact Debbie Wenzelburger/4142 NLT 9 January to have your February events listed.

## Retirements

**Joseph France** (MCACC), aeronautical information specialist, retired Nov. 30. Starting out in the Air Force (1952-56), he was "a mess attendant with the 69th \*M\*A\*S\*H\* Potato detachment, Kimpo AFB, Korea, and got some action at Young D'ong Po." He came to ACIC, now DMAAC, in 1967. "We had chuckles behind the wall but still got serious about Saddam," he said. "My plans are to relax, grow a 7-foot beard and make the Guinness record for champion Rip."

**Robby G. Sportsman**, chief of the Facilities Construction Branch (FEMF), retired Nov. 30. He served in the Navy from 1954-58 and came to ACIC, now DMAAC, as an air conditioning mechanic helper in 1964. His plans: "travel, stay busy, enjoy life."





## Navy Lieutenant Stops Robbery

Sharp eyes and fast action by Navy Lt. Marty Staples ((DMA/PRAP) prevented a robbery at a restaurant in West St. Louis County last month.

Lieutenant Staples was relaxing with friends at the Hacienda Restaurant, 9748 Manchester Road, when he saw, out of the corner of his eye, a man behind him reach for his friend's purse. Grabbing his arm, Lt. Staples took the purse, said, "I'll be taking that," and threw it back on the table.

After an argument, the man left; Lt. Staples followed him on foot at a distance. One of Lt. Staples' friends got the bartender to call police, who soon came. Upon finding Lt. Staples, the police apprehended the man. Lieutenant Staples has been asked to testify regarding the incident.

After separating from the Navy Jan. 14, Marty will finish his studies toward his M.B.A. at Washington U.

## Lunch Talk on Service To the Elderly Parent

A representative of the Alzheimer's Association will provide information and educational materials to interested employees on "Service to the Elderly Parent--Alzheimer's Disease."

The program, sponsored by the Employee Assistance Office, will be Jan. 3 in conference room 1 of Building 89004 and Jan. 18 in training room 1A-1 of Building 36. Both programs are scheduled for 11:15 a.m.

## DMAAC Volleyball

Standings as of December 14

Team	Wins	Losses
<b>RECREATION LEAGUE</b>		
Bumpers.....	28.....	2
High Ballers.....	26.....	4
Fighting Beavers.....	21.....	9
American Gladiators.....	21.....	9
Chain Gang.....	21.....	9
Hosey's Hogs.....	18.....	12
Out to Lunch Bunch.....	15.....	15
Classified Waste.....	13.....	14
Who Cares.....	10.....	20
Grandpa & the Kids.....	9.....	21
Gravitators.....	5.....	22
Jerry's Kids.....	5.....	22
What Ever.....	0.....	27
<b>POWER LEAGUE</b>		
Volley Girls & Boys.....	25.....	5
High Five.....	18.....	12
Knetknockers.....	14.....	13
Rookies.....	0.....	27



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