

DEFENSE MAPPING AGENCY

# LINK

April 22, 1996



***Making navigation safer on the  
Lower Mississippi River  
see page 8***

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**On the cover**

Navigation on the Lower Mississippi. See story on Page 8. Photo courtesy Army Corps of Engineers

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**UP FRONT**

**Director's retirement set**

**D**MA Director Air Force Maj. Gen. Philip W. Nuber has confirmed that his retirement will be effective June 1, concluding a career of more than 34 years of military service. General Nuber's intention to retire was first announced in the Jan 29 edition of the *Link*.



Nuber

General Nuber, a command pilot and a veteran of 300 combat missions, assumed command of the Defense Mapping Agency in December 1994 after serving as chief of the Joint U.S. Military Mission for Aid to Turkey, in Ankara. Prior to that post, he directed international programs for the U.S. Air Force and served as an assistant deputy under the secretary of the Air Force.

Among his military honors, General Nuber holds the Distinguished Service Medal, Legion of Merit, Distinguished Flying Cross with oak leaf cluster and the Bronze Star Medal.

During his tenure, General Nuber championed the Agency's aggressive reengineering effort to meet the demands of the warfighter on the digital battlefield of the 21st century. Under his leadership, DMA established a constellation of customer support teams in direct support of operations worldwide. General Nuber led the mapping team which provided unparalleled crisis support to the Bosnia peace process and peace talks in Dayton, Ohio.

A retirement dinner in honor of General Nuber is planned for May 30 in the Washington area and a formal retirement ceremony May 31 at the Pentagon. ■

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## Ombudsman addresses employee concerns

About 120 concerns or questions have been submitted to DMA's NIMA Ombudsman since the appointment was made in December. Some frequently expressed concerns are:

***Can employees under excepted service be terminated at will – for example, due to age?***

Absolutely not. The excepted service systems already used by the DIA and CIA have established internal appeals procedures for all employees with final appeal to the head of the agency. Also, federal agencies are required by law to have an Equal Employment Opportunity Council review and processing system, regardless of whether the agency operates under competitive or excepted service. There is no one excepted service system as each is individually designed by the agency to best benefit the mission and the work force. The NIMA Implementation Team has proposed to incorpo-

rate Merit System Promotion Board appeal rights into the design of NIMA's personnel system.

***A rumor reported that the legislative package had been voted down by Congress, while one purported that the package would be submitted after the elections. Which is true?***

Neither. The legislative package has always been scheduled for delivery to Congress this month. Congress, as part of the normal budget and re-authorization cycle, will review the NIMA legislative package at the same time it reviews our authorization bills. The goal is still to have the legislation become law and to stand up NIMA by Oct. 1. DMA and NIMA officials are exercising every available communication medium to inform affected employees

of developing activities and decisions. Everyone is encouraged to verify information with the NIMA Ombudsman, Kathleen Neary; the NIMA Public Affairs team of Sharon Basso or Terry Meehan; or the DMA management chain.

***What selection process was used to determine which entities to consolidate in NIMA?***

The decision was made in November at the level of the Secretary of Defense, Director of Central Intelligence and the Chairman, Joint Chiefs of Staff, based on an in-depth review of options by agencies of the Department of Defense and the intelligence community. The decision to merge mapping and imagery functions will both provide new capabilities to the warfighter by improving the view of the battle space and better serve all customers of NIMA. ■

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## Construction funds released for new facility

Military Construction (MilCon) funds for the new Consolidated Printing and Distribution Facility (CPDF) to be built in Jefferson County, Mo., were released March 7 to DMA by the DoD Comptroller.

The construction project will be administered and managed by the Kansas City District Office of the Army Corps of Engineers. The solicitation for bids was re-announced in the Commerce Business Daily March 18. Bid opening should

occur on May 21 with contract award in mid-June. A ground breaking ceremony is being planned for late June or early July.

Construction site activities should begin in early July. Since bids will be solicited for 16, 17 and 18-month construction schedules, the scheduled construction duration will be unknown until contract award. Planning and preparation activities are using December 1997 as the time frame for completion of construction.

Printing, warehousing, distribution and supporting functions and activities will be moved to the new facility from Philadelphia, Bethesda,

Md., and St. Louis. Facilities to be vacated as a part of the consolidation include the Philadelphia Depot, the Ruth Building in Bethesda, the Riverdale Repository, and the North and South Annexes in St. Louis. Some positions will not be moved to the CPDF, but will be relocated to other DMA facilities.

Transfer of functions and building occupancy will begin as soon as construction is completed. ■

# Combat controllers use DMA maps to be 'First There'

**T**heir motto is "First There." Their mission, once they get "there," is to guide others to their location.

They can't effectively accomplish either without the tools required to reach their destination – maps, charts, graphs and a variety of other topographical products supplied by the Defense Mapping Agency.

"We're the 'ground pounders' – the first ones in on many occasions," said Sgt. Robert Tilley, a former Marine and now a 62nd combat control operator. "The DMA maps and charts we use are extremely critical to our entire operations. Even with the age of technology and use of the Global Positioning System, we absolutely need these maps for

School, Fairchild AFB, Wash. The school is just one of many stops in a pipeline training program that starts with a 12-week combat control pararescue indoctrination course at Lackland AFB, Texas.

From there, the controllers attend a five-week combat dive school at Key West, Fla., followed by airborne training school at Fort Benning, Ga. The survival school is next, and then a 17-week stint at air traffic control school at Keesler AFB, Miss.

All of the skills learned coalesce at the combat control school at Fort Bragg, N.C.

"The whole program takes about 12-16 months, barring no injuries, academic setbacks or long waits for follow-on course start dates," said Koonse. "But completion of all the schools in the pipeline is only the tip of the iceberg because it's a continual training process."

It's at combat control school where the majority of training with maps takes place.

"We learn how to establish assault zones and landing zones, learn land navigation and use the maps to help create surveys for our aircraft so they can land or drop cargo on landing zones and drop zones all over the world," Tilley said. "In fact, it's amazing to me that considering some of the more austere environments we go into that they actually have maps for them that are so accurate."

It's that fine detail which helps the combat controllers fulfill their mission. They may be the first there, but they're not alone – DMA maps and charts will always accompany them. ■

—by Technical Sgt. Stefan F. Alford  
McChord Air Force Base  
Public Affairs



Sgt. Robert Tilley (left) and Sgt. Monty Koonse plot a position using a DMA map.

They are Air Force Combat Controllers, an elite unit whose job is to establish an operating point for U.S. forces in austere or combat environments.

One such unit is the 62nd Combat Control Squadron at McChord Air Force Base, Wash.

Members of this special tactics unit have helped seize airfields in Panama, direct aircraft toward drop zones in Somalia and, most recently, establish landing zones in Bosnia for Operation Joint Endeavor.

nautical navigation. Practically everything we do involves their use."

"We use them just about every day when we train," added Sgt. Monty Koonse. "The nice thing is that they're simple enough that if you never looked at a map before, you could pick one up, look at the legend and pretty much know everything that's on the map."

The combat control team members receive their initial map-reading skills and introduction to DMA products at Air Force Survival

# Security Awareness Week under way

The first DMA East Security Awareness Week is scheduled for April 22-26. The theme is "Be Aware; the Threat is Still There."

The week will be filled with activities and guest speakers focusing on topics concerning national security, personal safety and security.

National security topics will include information on the number of foreign governments conducting espionage against the United States, what information and technology are targeted for collection and various collection methods used.

Personal safety and security presentations will focus on automobile and communications security – cellular telephone fraud, fax machine fraud and others.

Winners of a security poster contest also will be announced. Winning posters are on display in the lobbies of Erskine Hall, Headquarters, Ruth, Fremont and Reston buildings.

Following is a list of activities:

- Anthony Stramella from the National Security Agency will speak about telephone fraud and other communication security issues April 22, 10 a.m., Reston conference room.

- Officer Gary Costello, Montgomery County Police, will give a presentation on automobile safety and protection April 22, 1:30 p.m., Ruth Building cafeteria.

- Raymond Semko, Department of Energy, known nationally for his defensive intelligence and counter espionage briefings will talk about current espionage threats targeted against U.S. citizens, April 23, 9:30 a.m., Erskine Hall auditorium and April 24, 9:30 a.m., Merrifield conference room.

- Officer Josh Brown, Fairfax County Police, will give a presentation on personal safety, noting what citizens can do at home, on vacation and in the street to protect them and their family from crime. Two presentations are scheduled – April 22, 10 a.m., Merrifield conference room, and April 23, 9 a.m., Reston conference room. ■



# NPIC ... serving the nation's foreign policy needs



*Editor's note: This is the third in a series of articles about the organizations expected to contribute to the National Imagery and Mapping Agency.*

The National Photographic Interpretation Center, with offices in the Washington Navy Yard and CIA headquarters in Northern Virginia, is a component of CIA, operating under the Directorate of Science and Technology.

Since NPIC's establishment by Presidential directive in 1961, it has been providing national-level imagery analysis and reporting to those who implement and execute national policy.

NPIC's core business is the analysis of imagery from classified

National Security Agency and other members of the intelligence community as a service of common concern.

NPIC computer systems and services elements support a national imagery database, the NPIC Data System, which includes a catalogue of about 180,000 targets worldwide and a file of all NPIC products available on these targets.

Besides imagery analysts, the center's work force of about 1,200 includes skilled technical and support personnel. Intelligence community members also benefit from NPIC's imagery analysis training offered through the National Imagery Analysis course, imagery science and graphics support, as well as photographic and lithographic services.

program groups in assessing potential impact on the exploitation community.

The history of NPIC is reflected in the headlines of the last four decades, as imagery collection and reporting responded to changing world events and technological advances.

The 1960s were years of concentrating on the Cold War and events in Southeast Asia. NPIC analysts monitored the Cuban Missile Crisis and reported on China's first atomic bomb blast.

The decade of the 1970s saw a dramatic advance in computer capabilities and the technologies of overhead systems. Arms control issues became prominent and NPIC imagery analysts were responsible for reporting on activities relating to the Strategic Arms Limitation Talks Treaty.

Imagery analysis in the '80s focused on terrorism and conflict around the globe, and contributed to community assessments of the Chernobyl nuclear power plant disaster in the former Soviet Union as well as the events in China's Tiananmen Square.

As a new world order emerged in the '90s, NPIC responded to changing customer requirements. Changes have included imagery analysis support to NPIC's DoD counterparts during Operation Desert Storm, a focus on global environmental issues, and critical support to international arms reduction inspections in the wake of the Gulf War.

Regardless of the requirements of international events, the men and women of NPIC will use all resources available within the intelligence community to continue to provide the ultimate in imagery analysis and related products as they have for more than 35 years. ■

— NPIC Communications Resources Staff



NPIC analysts study imagery.

systems. Customers include the President, Congress, the departments of State and Defense, U.S. military commands and civil agencies. Foreign policy decision makers from the President and National Security Council down depend on information reported daily by NPIC analysts — imagery-derived information on military forces, arms control and natural disasters. The center also shares imagery products with the

Testing and evaluation of imagery exploitation equipment and analytical tools is another NPIC contribution to improved exploitation technology. One NPIC component addresses intelligence community issues associated with new and improved imaging systems, develops exploitation productivity measures, sports the development of new exploitation methods and technologies, and serves as a catalyst for

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## Work smart, reduce discomforts

**A**s new technology enters the office so do new hazards. The back pain, stiff neck and shoulders, and sore hands and wrists some employees experience may be preventable. These symptoms often come from pushing the body beyond its natural limits.

One of DMA's Strategic Goals is to provide a wholesome quality of life and work environment. Industry responds to a new market, and a growing number of manufacturers are offering office equipment, furniture and add-on products that are more user friendly.

DMA continues to strive toward making its work environment user friendly by incorporating such equipment and furniture. But the best ergonomically designed workstation is useless if not used properly.

Over time, excessive repetitive motions and sustained awkward body postures can lead to serious and painful injuries. Such injuries are referred to as cumulative trauma disorders (CTD) or repetitive strain injuries.

Whether or not a person's workstation is ergonomically designed, there are ways to reduce discomfort and, more importantly, reduce CTD risks.

Minimize the reaching distance, for example, by dividing the workspace into three zones:

*Primary* – the distance from elbow to hand. Place constantly-used items in this area.

*Secondary* – within arm's reach. Use this zone for frequently-used items.

*Reference* – outside arm's reach. Place the least-used items in this area.

Keep both the top and underneath areas of the workstation as clear of clutter as possible.

Adjust the chair so that feet are flat on the floor, ensuring contact between the seat back and the most curved part of the back – the lumbar area. This lessens pressure on the back of the thighs which, in turn, promotes good blood flow.

Position the keyboard so that it is in line with the monitor and at a height so that the wrists remain in a neutral (non-bent) position. Use a keyboard tray if available. If unavailable, position the chair high enough to maintain a neutral wrist position and use a foot rest to support your legs.

Use a wrist pad (palm rest) to support hands and arms when not

keying. This reduces the effort required to remain poised over the keyboard. The palm rest, however, is no substitute for using good typing techniques.

Keep the mouse or other pointing device close to the keyboard. If the mouse is used more than the keyboard, place the mouse in front and the keyboard slightly to one side.

Place the monitor so that the center of the screen is 18 - 24 inches away from the eyes. The top of the screen should be at or slightly below eye level. If necessary, unstack computer components.

When working from a document, keep it at about the same height and distance as the monitor screen. A document holder can help.

If possible, alternate between several different tasks, providing a recovery pause for the most frequently used muscles and tendons. ■

– by John Dezan  
Human Resources

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## Focus groups to interpret survey results

The results from February's cultural survey were given to the Cultural Transition Team recently as a basis for its deliberations and planning to address the transition needs of the Defense Mapping Agency. The team has completed its initial planning on how to employ the survey results.

Current plans are to release survey results agency-wide very shortly, and to convene appropriate focus groups to interpret the results. The participants in the groups will establish targets for improvements

and identify the specific appropriate steps to achieve those targets.

The survey surfaced a wide range of views needing appropriate interpretation and elaboration. Cultural Transition Team members ask that once the results are released, employees review them, identify areas of interest and be prepared to participate with the focus groups.

Future issues of the *Link* will follow the survey and inform employees on the consensus of interpretation of results and Cultural Transition Team actions. ■

# Congress asks DMA to make navigation safer on the Lower Mississippi River

Mark Twain never had it so good. Riverboat pilots this spring are evaluating a prototype electronic chart display and information system that uses stand-alone, laptop computers with a database developed by DMA for navigation on the Lower Mississippi.

The system is intended to significantly improve navigation safety, recalling not only the author and riverboat pilot but the meaning of his pen name. "Mark Twain!" meaning two fathoms or 12 feet, was called out from a ship's deck when soundings indicated the water depth was safe enough to navigate.

Congress in 1994 mandated the development of a system to improve

navigation with cartographic information keyed to positional data from differential GPS receivers. A component of each laptop system, the GPS receivers calculate their position from the time taken to receive locational signals from different satellites traveling in known orbits; four readings provide extreme accuracy.

"DMA pursued the project as a complement to its Digital Nautical Chart production effort and involved the Navy, Army Corps of Engineers, Coast Guard and NOAA (National Oceanic and Atmospheric Agency) in the planning and execution," said James Ayres, DMA hydrographer.

Along with a variety of shipboard sensors, NAVSSI workstations use DMA's Digital Nautical Chart vector product to guide ships to their destination.

VPF is DMA's standard format for vector products, which provide users interactive capability by associating graphic "feature" data with related "attribute" data. The attribute data may be value-added from other sources or included as part of the vector product on CD-ROM. The feature data is vectorized as points, lines and polygons based on a coordinate system.

While the project database will use the DMA format, the Mississippi River portion is not based on standard nautical charts produced by DMA or NOAA's National Ocean Service.

Instead, the initial database contains 14 Army Corps of Engineers maps, digitized into VPF under a special DMA contract. Commercial navigators now use hard copies of these 1:20,000-scale maps upon entering the Mississippi. Seaward and river approach charts, produced by the National Ocean Service, will be added to the final database. Both the NOS and Corps maps will be available in a designated overlap zone. In total, the project calls for 86 1:20,000-scale Army maps and five NOS charts at scales from 1:15,000 to 1:80,000 of the adjacent coastal area.

With their laptop systems, navigators "will get an immediate fix in relation to their surroundings," Ayres said. "They won't have to manually plot where they are anymore. Instead, they'll know automatically. And they'll get a constant update of their fix, feeding off their position from the differential GPS."



Photo courtesy Navy In-Service Engineering Detachment, Norfolk, Va.

Laptop computers will provide civil navigators on the Lower Mississippi River map displays in DMA's Vector Product Format. Location displays will appear automatically based on readings from a Global Positioning System receiver, shown at right, a component of the system.

navigation safety on the Lower Mississippi River, named DMA as the developer, and appropriated a million dollars for its development.

A special application of DMA's Vector Product Format, the Mississippi River project will improve civil

The system's hardware and software are being provided under a Navy contract. Although the project calls for a laptop system, a model for its development was the Navy's Navigation Sensor System Interface.

Because the Mississippi River never stays the same, the Corps surveys parts of the river every day. Hard copies of these surveys are now distributed to river pilots along with changes in buoy locations, DMA's hydrographer noted.

The laptop system will incorporate the survey data and buoyage changes as updates to the map data. Plans call for the Corps and the Coast Guard to issue the daily updates, Ayres said.

Once DMA delivers initial system capability, the database will be maintained by the Army Corps of Engineers, and DMA will withdraw from the project.

If Congress had not designated DMA to develop the system, the agency probably would not have become so involved, Ayres said.

"Shipping in U.S. waters is not our business, and river pilots and tugboat skippers are not our usual customers. Of course, our immediate customer is Congress — they are the ones who put the requirement on us," Ayres said.

The Mississippi River project will be good for DMA, although it's

out of DMA's usual area of concentration, Ayres added.

"It will serve as a prototype for other areas," he said. "DMA is interested in the development of a portable system that will give us a laptop capability for all of our VPF products.

The project also gave DMA a chance to work with the Corps of Engineers and to impart VPF capability to them, Ayres noted. It gave DMA a chance to expand VPF into the civil sector.

"And we've helped out the Coast Guard, since they are in charge of navigation safety on the Mississippi.

"Everybody's going to be better off once this system is in," said Ayres, who traveled to New Orleans with other DMA officials to consult with customers and observe the situation firsthand.

"The lower Mississippi is a busy waterway. There's a tanker terminal in Baton Rouge, a mass of ships, and towboats pushing barges bigger than freight trains up and down the river. By establishing the electronic chart system, Congress above all intended

to improve the safety of navigation at this critical location."

When the system is fully operational, navigators will be able to click on a bridge portrayed on a chart graphic to obtain clearance data and the location of the bridge supports or pilings. Perspective views will aid the navigator visually, while GPS receivers provide the positional data needed to align the ship or barge to pass between the pilings.

When a more accurate geoid of the Earth is developed, electronic chart data could be combined with positional data to calculate automatically under-keel clearance, Ayres added. A geoid is a mathematical reference model of the Earth's shape at sea level. As with all VPF products, potential applications challenge the imagination.

Meanwhile, DMA continues to expand its suite of vector products for military customers. Many are now available on CD-ROM and plans are being made to disseminate some of them through the new Global Command and Control System. ■

— by Paul Hurlburt



A tug boat maneuvers through traffic on the Mississippi River.

Photo courtesy Army Corps of Engineers

# MPE takes on life of its own, celebrates fifth anniversary

Employees in the Map Publishing Environment recently celebrated their fifth anniversary – quite an achievement for a system originally designed to fill the void until the Digital Production System was fully operational.

MPE moved from its initial purpose into a unique life of its own over the years. When the system was delivered in late 1990, operators were envisioning their work as transforming digital data from the Feature Extraction System into 1:50,000-scale Topographic Line Maps. Since Operation Desert Storm was happening, these workers were given an indication of how much work the MPE was going to require.

Even before the system was delivered and DMA people fully trained, MPE was finishing Landsat Image Maps as well as grids, projections and border markups for the war effort.

It was not until early 1991 that 18 cartographers and six film writing employees were trained on the system. At the end of the training, they were thrust into full crisis support production of finishing TLMs.

Over the next five years, the system and its people have proven how versatile they can be, performing jobs they were not sure they could do.

“There really isn’t anything they can’t do,” said Branch Chief Tom Schwartz. “They always find a way to do it.”

The reason the team can do so much is its intimate knowledge of the system. Some team members, for example, have expert knowledge of particular products. Together they complement the entire system.

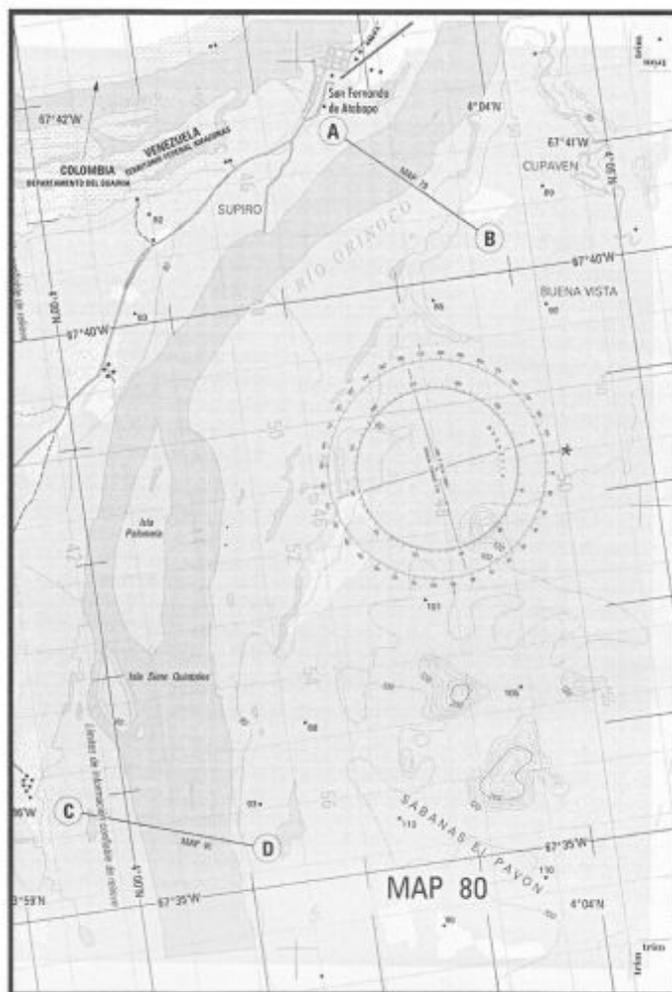
“Almost everyone on the team can operate every system,” said Nancy Moss, a team member.

In 1993, the MPE people faced many new jobs and crisis support.

The film writing area had its first success with film writing, editing, packaging and shipping Aeronautical Data Maintenance products. The LIM Tier 2 prototype was completed adding contours and lines of communication to the standard LIM products.

To support the Drug Enforcement Agency, MPE employees produced Riverine Route Maps for navigational purposes, enhancing the agency’s counter-drug operations in South America. The product began as an idea the customer had as to what they wanted.

Map-to-map processing was also used during 1993 for DMA’s efforts in Somalia and the former Yugoslavian republics. This process is used when DMA lacks negatives of the existing maps. The maps are scanned, color separated into printing colors and final negatives



A Riverine route map produced by the Map Publishing Environment supports the DEA counter drug operations.

produced with updated features depicted in purple.

In late 1993, the Aeronautical Video Chart was resurrected on the MPE as a new, automated product known as the Computer-generated Aeronautical Video Chart, used by air traffic controllers at military installations to maintain airspace.

City Graphics were introduced to the MPE workers for the first time in 1995. The first to be finished on the

MPE was Freetown, Sierra Leone, staging area for the recent airlift of Americans from war-torn Liberia. Several others followed, with the most extensive City Graphic completed to date on the MPE covering Zagreb, Croatia.

They are involved in many efforts and gaining more continually. Team leader Rick Levendoski said the variety of experience of the team members allows it to support all efforts.

"The team has a diverse background from a wide selection of cartographic fields," he said. "They also possess a tremendous knowledge of the system."

Also, the team has, in a sense, been self-taught. One member picks up, or has knowledge of a product or program and then passes it on to the remaining team members.

"Twenty people do all the jobs," Moss said.

Because it is a small organization, the people have found it to be easier to share training, she explained.

Schwartz also mentioned the importance of the film writers in the system.

"They do amazing things to augment the cartographic work that is done," he said.

Levendoski echoed the sentiment. "We rely on them heavily."

Some of the new MPE products include the merging of Landsat images with synthetic aperture radar images. This method will "erase" the clouds from the Landsat scenes and provide the customer with a better product.

The MPE has become even more customer-focused with newer products. U.S. Transportation Command contacted DMA for a specialized product displaying

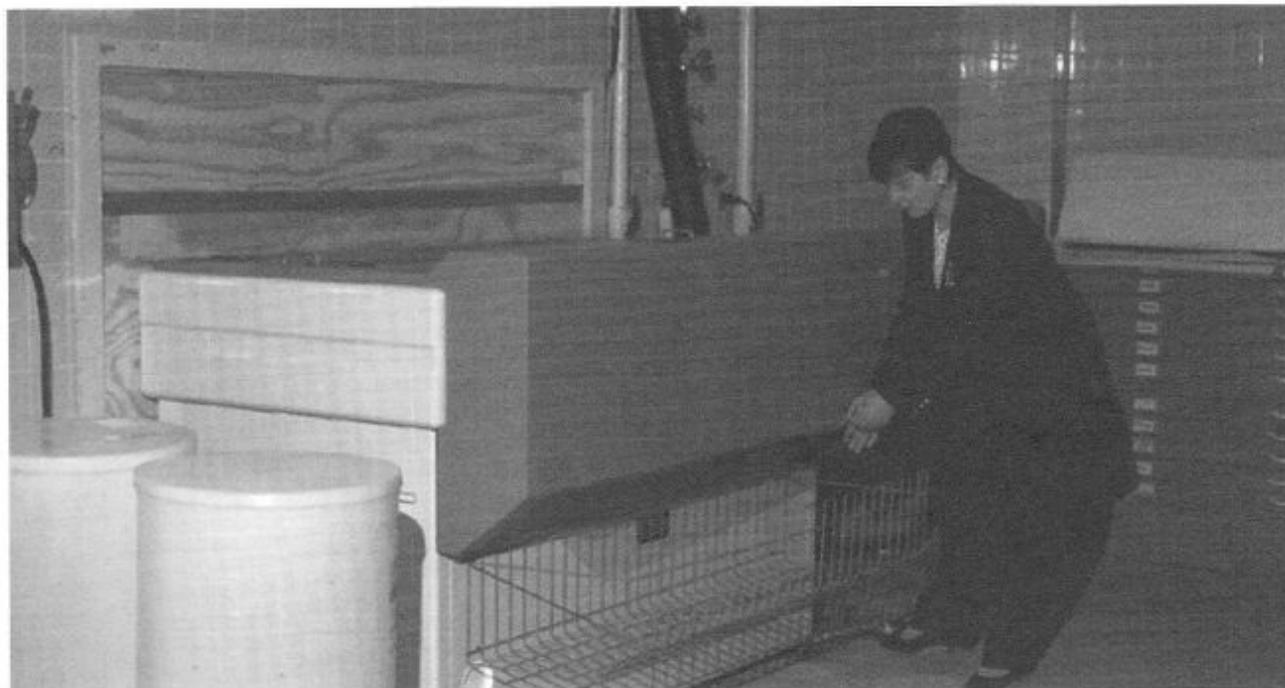
airfield information in a simple diagram form.

The TRANSCOM liaison, Tom Bowes, put the MPE people in direct contact with the customer. This gave both sides a better understanding of what was needed and how it could be produced, according to Schwartz.

"We were working hand in hand with the customer to give them exactly what they wanted," explained Levendoski. "I would envision this customization with specialized products to become more frequent. It is a good motivator for our people to see how their work is actually being used."

As for the future of MPE, all three see the trend continuing for crisis support and more customer interaction, but are uncertain of all the products that will be produced. ■

— by Don Kusturin



Darleen Allmeroth loads a film processor.

Photo by Jim Stoppani

# Internet offers access but there are costs

“Access to the Internet has become increasingly necessary for DMA business,” said Army Col. Mike Simmons. “Many DMA employees working with other government agencies or commercial firms increasingly find the data they need is readily available or only available on the Internet. But like everything else, there is a penalty to pay.”

Simmons, chief of the Acquisition and Technology Telecommunications Support Office, said that as more Sensitive Unclassified Information (SUI) network users connect to the Internet there's potentially slower service for all.

“We have situations now where whole offices are being submitted

for full Internet access,” Simmons said. “Although there is no apparent cost to each user, everyone pays if service is degraded or users have to wait longer for their access to be installed.”

DMA access to the Internet via the SUI really became available in February 1995, according to Simmons. DMA has gone from a dead start of zero users to more than 1,000 full access users in only about a year.

“The number of connected users would be much higher, but we are limited in providing people to get to the users' desks to configure their systems,” Simmons said.

Employees without full Internet access but with a requirement should contact Howard Gilman, ATET, either by e-mail or phone at (301) 227-2502, for instructions on how to submit requirements.

For people who just want access to the Internet to send e-mail outside of DMA, everyone connected to the SUI has the capability to send and receive e-mail from outside the agency via the Internet.

But for those full access-users, there are certain rules that should be followed.

“Job-related activity is, of course, the reason for this service,” Simmons said. “However, there is probably as much ‘surfing’ for entertainment’s sake as there is work being done.”

He said it's not hard to see how the network is being used when it snows and there's a sudden rash of weather maps being printed and hung up in cubicles.

The Internet is really unregulated and there are many activities, web sites and home pages inappropriate for accessing from government equipment or facilities. The specifics of DMA Internet use policy is in DMAPD 900-101, available on-line at the DMA internal home page. Internet users should read this document “Acknowledgement and Consent,” and complete the form that is included. Completed forms should be forwarded to ATET, MS D-79.

“The Internet is also a source of computer viruses that can be imported in files obtained from web sites,” Simmons warned. “All executable files obtained from the Internet should be subjected to an anti-viral scan before they are executed on computers connected to the DMA SUI or any other DMA network,” Simmons said. ■

The image shows a screenshot of the DMA Internal Home Page. At the top, there is a globe logo with the text "DMA" and the tagline "Responsive Today... Ready for Tomorrow" above "DEFENSE MAPPING AGENCY". Below this, there are several navigation links, each with a small icon: "What's New" (star icon), "Information" (person icon), "Products" (globe icon), "Publications" (book icon), "Server Statistics" (line graph icon), "Places To Go" (map icon), "Feedback" (speech bubble icon), "Help" (question mark icon), "Open Source Information System" (circular logo with a triangle and text), and "Search this Server" (magnifying glass icon).

DMA "Internal" Home Page

## Employee pedals help for others

Charles Womack is a serious biker, thanks to the Blizzard of '96. Wishing he could be enjoying the outdoor life, while cooped up in the house and watching TV, Womack was attracted to a solicitation for cyclists to join a "Philadelphia-DC AIDS Ride."

"I always had a bike to ride around the neighborhood, and I have an exercise bike in the house," he said.

But riding a bike 250 miles between Philadelphia and Washington, D.C., June 21-23 will be a new experience for Womack, a cartographer in the Acquisition and Technology Group's Staff Support Division.

The ride's corporate sponsor hopes to raise \$5.6 million to help people with AIDS through the organization Food and Friends and the Whitman-Walker Clinic Inc. To realize the goal, 3,000 riders are needed.

"They explained who Food and Friends are and showed what they do; then they asked people to call about the ride," Womack said. "I've done walks, so I said to myself, 'This is something I should do — just to help out.' I dialed the number on the screen and asked them to send information."

After paying a \$45 registration fee, he would have to raise \$1,400 to participate in the ride, Womack learned. He talked it over with his wife Martha, a cartographer in Data Generation East.

"I really want to do it, but what about the pledge?" I asked her. She said, 'Go ahead; I'll help you out.' Even my daughter said she'd make a contribution. (Nicole, 12, took the



Womack

photo of her Dad on the bike.) A lot of people are helping; I feel very good about that," Womack said.

Darryl Jackson, husband of Tammie Jackson, cartographer in the Acquisition and Technology Group's Data Generation Support East, will join Womack.

"We'll spend two nights under a tent and ride 80 to 85 miles each day," Womack said. A rolling cafeteria and showers on the backs of trucks will be provided, along with pit stops every 15 miles.

"According to the rules, we can't ride before 6:30 a.m., and they want us off the road by dusk. This is not a race — I think that's what's going to save me," he quipped.

Thirty- to 40-mile training rides are scheduled every Saturday. Womack has been riding his stationary bike and lifting weights on his own.

The riders are also encouraged to attend seminars on topics like "diet" and "what to expect on the road."

"I try not to miss anything because I need all the help I can get," Womack grinned.

"We had sessions on bikes and bike accessories. They took us to shops, and I bought a hybrid bike; it's not a racer, with thin tires, but more agile than a mountain bike. It has 21 gears. I haven't used them all yet, but I expect to."

Knowing people with AIDS gives extra meaning to the ride for Womack.

"Some of them don't have the money to get the right treatment for their disease," he said. "Knowing I'm helping them gives me a lot of satisfaction."

The ride will take courage and change the lives of participants, according to the sponsor.

Womack already has learned to speak up more as he wins support for the cause. And he's already made new friends. Meanwhile, he's focusing on the event.

"Taking off with 3,000 bikers for this cause — it's going to be exciting," he predicted. "Something I'll never forget." ■

—by Paul Hurlburt

## Society seeks members

The Potomac Region of the American Society for Photogrammetry and Remote Sensing is open for membership. As part of the benefits, the society offers members a chance to explore emerging technology through technical tours of area businesses involved in geographic information systems, global positioning system, photogrammetry and remote sensing.

The national ASPRS is co-sponsoring the 1996 Annual Convention and Exhibition with the American Congress on Surveying and Mapping (ACSM) at the Baltimore Convention Center, April 22-25. The Potomac Region ASPRS and the Washington Metropolitan Council of Governments will jointly sponsor, May 1-2, the Annual Tech'96 Conference titled "GPS for Development of Regional Information Systems: Data Lost and Found."

These events, combined with numerous other conferences, conventions, workshops and social activities, allow members to meet experts and colleagues in the fields of automated mapping and surveying, geodesy and related sciences. For more information, contact Pam Finley in the Navigation Information Services Department (SMEA1 MS-D44), at (301) 227-3122 or DSN 287-3122.

## New snack bar offers full menus

Employees at DMA in St. Louis North Annex and the local Base Restaurant Council opened a new snack bar recently with fanfare and a free breakfast buffet.

Nearly 300 people attended the event, a cooperative venture of the DMA Executive Leadership Council, the General Services Administration and DMA St. Louis' food service contractor, Myron Green.

Tom Mann, chief of Installation Management West Customer Support Office, performed the ribbon-cutting.



Photo by Jim Stepanik

Tom Mann, chief of Installation Management West Customer Support Office, cuts ribbon marking opening of new snack bar.

"It was a partnering of many different components and business units working together to make this event take place," he said. "The collective effort of everyone involved was a real display of employee and customer focus," Mann said.

The North Annex houses about 450 DMA employees. Before the snack bar opened, employees relied on vending machines and fast food restaurants. This concerned DMA management, the local union and the Base Restaurant Council.

"When we were approached with the chance to provide food service at the North Annex, we jumped at the opportunity. It's been a lot of work and a long time in coming, but it's been worth it," said Chris Azar, DMA St. Louis' Base Restaurant officer.

The new snack bar boasts full breakfast and lunch menus, complete with daily entrees.

## Army sponsors science conference

The 20th Army science conference is scheduled to be held at the Norfolk Waterside Marriott and Convention Center, Norfolk, Va., June 24-27. Sponsored by the assistant secretary of the Army for research, development and acquisition, the conference theme is "Science and Technology for Force XXI."

The conference will feature the presentation of 160 papers and posters judged as best among those submitted by Army scientists and engineers. Objectives of the conference include presenting the Army's best research to the internal scientific and engineering community for critical review and discussion.

For more information or to receive an invitation, call the Army science conference registration desk at (804) 357-4011 or telefax requests to (804) 357-5108.

## DMA, Venezuela sign agreement

DMA and the Venezuela Foundation for Geography and Cartography (FUNGECAMIL) have signed a cooperative mapping and exchange agreement. The first agreement between the two agencies was signed March 20 at DMA Fairfax by DMA Director Air Force Maj. Gen. Philip W. Nuber and Brig. Gen. Hipolito Cova Aponte, FUNGECAMIL president.

The agreement will provide DMA with map-related products covering southern Venezuela in the border areas of Colombia and Brazil that were never produced before. The agreement will also provide revisions to existing map products. ■

## RETIREMENTS

Lawrence W. Clements, a financial manager in the Acquisition and Technology Comptroller Office, and University of Virginia alumnus, retired after 25 years of federal service on March 31. Clements began his federal career as a U.S. Army military policeman. He continued his federal service as a participant in the Department of the Navy's Financial Management Training Program. Clements worked for the Navy and Defense Communications Agency before coming to DMA in 1990.

D. Kay Tripp, a financial manager in the DMA Headquarters Program Budget Office, Office of the Comptroller, retired March 31 after 27 years of service to DMA and its predecessor agencies. Tripp began her federal career at the Army Map Service. She was a start-up staff member for both the Agency and the Special Program Office for Exploitation Modernization. Tripp's retirement plans are focused on her show dogs.

Christinia Pappas-Moir, a physical scientist in the Headquarters Program Budget Office, Office of the Comptroller, retired March 31, after 25 years of service to DMA and its predecessor activities. Pappas-Moir began her federal career at the Army Map Service. She also worked at the DMA Hydrographic Center, Hydrographic/Topographic Center and served as liaison to the Office of the Secretary of Defense (Acquisition and Technology for Nuclear Forces), the CIA and Central Imagery Office.

Joseph J. Jablonski, supervisory financial manager in the Installations Management Comptroller Office, retired March 31 after 30 years of federal service. After graduating from St. Joseph's University with a degree in accounting, he worked for the Air Force and Maritime Administration before coming to DMA where he served as chief financial officer for the former HTC for many years. Retirement plans include gardening, swimming and lots of golf.

Joy A. Trickett, financial manager in the Acquisition and Technology Comptroller Office, retired with 34 years of federal service on March 31. Trickett began as a clerk-typist for the Army Map Service, moving to the Army Topo Center, the Army Hydro/Topo Command, and then to DMA in 1971. Working first to start up the Special Program Office for Exploitation Modernization, she spent the last nine years as a budget analyst, working first in the former Systems Center before her last position.

Gloria A. Ockershausen, supervisory financial manager in the Headquarters Comptroller Office, retired March 31 after 27 years of federal service. Starting as a secretary for the U.S. Army Strategic Command, she began in the former DMA Hydrographic Center as a budget analyst trainee and quickly moved up the ranks, presiding as the CM chief financial officer starting up the former Office of Distribution Services, the Reston Center, and the Headquarters Comptroller Resource Management Office. Retirement plans include moving to the beach.



## Hats Off

Employees of Installation Management West Facilities Engineering held a forum recently.

Air Force Lt. Col. Donald Zona, chief of Facilities Engineering, presented several awards to the work force.

Wyman Skaggs was cited for his superior leadership during the process of switching between gas and oil heating fuel last winter and of an asbestos removal project. The 19-member snow team was rewarded for its snow removal during the 1995-1996 winter season. The 14-member 1995 Combined Federal Campaign team was cited for helping IMW continue its tradition of a high level of contributors.

Calvin Tillman received praise for his outstanding assistance in the deployment of DMA's Remote Replication team to support operations in Bosnia.



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