

Orienteor

Defense Mapping Agency Aerospace Center

August 31, 1990

**DMA Helps
To Foil
Pirates**

--Page 5

Asbestos workers use the "glove bag" technique to remove pipe insulation containing asbestos. Asbestos management at AC involves both removal and containment of asbestos so that there is no health hazard to employees.



Photo by
Jim Stepanik

Asbestos Management at AC Will Prevent Future Problems

By Debra Mays

DMAAC has taken an aggressive approach to asbestos management.

During the period of 1950 to 1970 the use of asbestos as insulation, fireproofing and pipe wrap was widespread. As a result, there are some areas within AC which contain asbestos material. These areas have been identified and are maintained in a manner which eliminates any health hazard to AC employees.

Some of this effort is dedicated to asbestos removal, some to repair of asbestos material. All efforts involve

periodic inspection and monitoring of asbestos materials.

Although current regulations of the Occupational Safety and Health Administration (OSHA) permit the encapsulation and confinement of asbestos, AC has chosen to go a step further and developed a long-term plan to remove asbestos in areas that are undergoing renovation.

Asbestos that has been damaged or is in a friable, or airborne, state is given first priority when scheduling asbestos abatement projects. If the asbestos is not in an area to be renovated or is not friable, it is left alone and monitored.

Continued on page 4.

DMA Helps To Set U.S.-U.S.S.R. Border

Negotiating an international boundary line? Need someone to calculate points and distances? Call DMA.

Call DMA is exactly what Department of State did in 1983 when they were in the early years of negotiations and deliberations with the Soviet Union over the correct depiction and application of the 1867 United States-Russia Convention Line in the Bering Sea, North Pacific and Arctic Ocean.

Seven years, and over 3,000 DMA manhours later, agreement was reached and the first steps in a treaty signing process have been instituted.

"The boundary has been a subject of interpretation ever since its establishment in 1867," commented James Ayres, DMA Scientific Advisor for Hydrography. "The Soviet Union calculated the boundary location using a Rhumb Line while the United States developed the line's location using the Great Circle principal."

The two methods resulted in two interpretations of line locations. The 200-mile limits were affected by the interpretations and thus fishing and natural resources, such as oil deposits, became subject to the same interpretations of boundary location.

In 1983 the U.S. proposed a "split-the-difference" approach to a new

boundary. Although not accepted as the final approach, the "split-the-difference" concept was the beginning of DMA's complex calculations.

"Nothing was easy," said Robert Russman, DMA Systems Center, who was deeply involved with the efforts. "Two DMA people put in over 3,000 hours doing calculations, verifications, and graphic production. They spent over 300 hours on the final set of computations alone."

The two to whom Russman referred are Donald Patro, DMAHTC Scientific

Data Department, and Bradford Drew, DMA Systems Center. Another individual involved with the project was Dr. Patrick Fell of the Systems Center, who served as the technical representative at the final negotiation session.

Writing in particular about Patro and Drew, Elizabeth Verville, deputy assistant secretary, Department of State, said, "They have provided numerous calculations to support alternatives that we have considered. During all this time they have kept us well informed of the technical problems that existed in this area, providing options that greatly helped us as we considered our next steps."

The 'split-the-difference' approach was not acceptable because it basically drew a straight line between the two countries' interpretations of the boundary resulting in unacceptable territorial loss, particular as it applied to natural resources.

In September 1989, agreement was reached in principle on the methodology by which the 1867 Convention line would be delimited. The final line will be offset in places to better apportion territorial loss, i.e. continental shelf for continental shelf and deep water zone for deep water zone.

According to Verville, technical data was exchanged with the Soviet Union in the October/November 1989 time frame.

"We found ourselves with little time to perform all the calculations needed to analyze the Soviet data and to develop a boundary proposal to present to the Soviet side in a few weeks time."

Patro and Drew worked through what was supposed to have been holiday leave to provide the calculations required, which required numerous iterations at each stage.

All the hard work paid off June 1, 1990, when the boundary agreement was reached at the Summit meeting.

Based on WGS84, the DMA calculations played an important role in the final determination of the new international boundary.

The next step in the treaty approval process is ratification by the Senate.

Names Board Is 100

The U.S. Board on Geographic Names will celebrate its 100th anniversary with special events in Washington, D.C., Sept. 5-8. The BGN is a multi-agency Federal panel, established in 1890, to determine and rule on official place names used on Federal maps and publications. DMA is one of the member agencies.

The Board has both domestic and foreign names committees. The foreign names committee is the responsibility of DMA with Dr. Richard Randall serving as the executive secretary. The domestic committee is the responsibility of the U.S. Geological Survey.

Historic Shards Come To Light

Improvements in the automatic sprinkling system which keeps the Arsenal's parade ground green have yielded an extra dividend: Four more pottery and dinnerware shards for the Aerospace Center's historic collection.

On August 15 Terry Harmon, a cartographer in Scientific Data, was walking along the parade ground near Building 18 where trenching had just been completed to restore a section of the sprinkler system and spotted the two pieces near the newly disturbed earth. The stoneware, gray with a vivid blue stripe, caught his eye first.

"I know a little about ceramics," he admits. "I knew that piece was at least a hundred years old." The other piece, smaller and white with a high glaze, is a fragment from a whiteware

dish or saucer.

On August 20 Wayne Agin, Data Services, was inspecting another area of the parade ground near Building 5, and discovered two more whiteware shards, one of them a quarter-section of a demitasse or condiment cup.

Hundreds of similar pieces were discovered in the same area and catalogued in the early and middle 1980's during a major renovation of the grounds to renew walks and create more parking. The walkway on the north side of the parade ground was put in in 1986.

The sprinkler system itself dates from the summer of 1980 and is designed to cover the entire parade ground. An automatic timer turns it on and off every 48 hours during the pre-dawn period.

--Wells Huff



AC Director Col. Marcus J. Boyle addresses supervisors before briefings to present the findings, recommendations, and actions resulting from the work of task groups he commissioned to study supervisory training and communication. Briefers are Patrick Satterfield, assistant chief of the Scientific Data Dept., at left end of the table, and Max Roberts, chief of DPI, at the right end.

Supervisors Told of Action To Aid First Line

Supervisors can expect to see some actions during the coming months as a result of recommendations made to AC Director Col. Marcus J. Boyle by two task groups on management.

The two groups were commissioned by Colonel Boyle in March to assess supervisory training needs and to determine how well management expectations are communicated to first-line supervisors.

Recently, the groups have been presenting their findings and recommendations in joint briefings to all first-line supervisors.

Speaking before one of the presentations, Colonel Boyle noted the work force survey indicated most employees place a high degree of trust in their first-line supervisors, but a breakdown in communication tends to occur above the first line. In designating 1990 as the Year of the Supervisor, Colonel Boyle said his intention was

Hail & Farewell

Staff Sgt. Timothy J. Williams arrived Aug. 14 from Supreme Headquarters Allied Powers Europe (SHAPE), Belgium, for assignment to the Base Communications Center.

Captain Wayne R. Haggstrom left Aug. 24 on a permanent change of station to Bolling AFB, D.C.

to "stress the critical role of the supervisor, especially the first-line supervisor.

"Sharing the results of the task groups is not an end," he told the supervisors, "but the first step toward learning how to better tap your talent--because we are in for a critical time ahead."

The task groups used surveys and interviews with first-line supervisors as part of their research.

The group tasked with determining how well management expectations are communicated to first-line supervisors was led by Max Roberts, chief of Terrain/Feature Division I (DPI). This group found that most first-line supervisors want more communication from management--especially more complete explanations for decisions that are made. Most also want more input into management decision making, more authority to go with their responsibilities, and more support in carrying out time-consuming obligations.

Actions based on recommendations by Roberts' group are as follows:

--Division and branch chiefs will provide opportunities for first-line supervisors to participate in division or higher level production meetings.

--Department chiefs are reviewing responsibilities assigned to first-line supervisors to eliminate unnecessary tasks, reassign others, and determine

more efficient means of accomplishing duties. Several actions are expected.

--To provide better and more timely communications, the Directorate of Programs, Production and Operations is developing a plan to expand office automation down to the section level.

Roberts' group also found that supervisors are concerned about evaluating subordinates fairly. The group recommended action to improve consistency in performance evaluations and awards. Consequently, the Director has tasked department chiefs with reviewing the relevant policies and procedures and discussing the evaluation process and award criteria with employees.

A report on the presentation of the task group that assessed the training needs of first-line supervisors will appear in the Sept. 14 *Orienter*.

On the Move

The AC Executive Resources Board has approved these personnel actions effective on or about Aug. 26.

Mapping and Charting Dept.

Susan D. Pleimann (PRP) has been reassigned as chief of the Production Support Office (MCP).

Scientific Data Dept.

George L. May II (PRD) has been reassigned as chief of the Precision Photographic Division (SDR).

...Asbestos Management

Continued from page one.

In cases where asbestos has to be removed, its safe removal now will eliminate future concerns about deterioration and potential for exposure in years to come.

Whenever an area of a building undergoes a major renovation the asbestos in the area is removed as part of the contract. Sometimes this is done by a contractor, but a great deal of the less extensive asbestos removal is accomplished by the AC Asbestos Team, which is comprised of approximately 15 employees from the Directorate of Facilities Engineering who have been specially trained and certified in asbestos abatement and removal. Since removal of the asbestos material may involve more than one trade, the team is a mixture of carpenters, plumbers, sheet metal mechanics and laborers.

Most employees are unaware of the existence of the asbestos team



Potential asbestos workers and inspectors attend an asbestos training class conducted on site by the University of Kansas.

because their work is generally accomplished during second and third shift and on the weekends. This is done in order to minimize production impact due to the sealing off of the work area and shutting down the heating and cooling systems, as required in most removal projects.

The team members have all been certified as meeting OSHA's definition of "competent persons" in asbestos removal and have logged many hours removing asbestos.

Most of the asbestos removal is accomplished by "glove bag." This means the asbestos material to be removed is sealed into a large, heavy-duty plastic bag, and the team members remove the asbestos material working from the outside through gloves which extend into the bag allowing removal and confinement of the material with literally no

exposure. As a precautionary measure the asbestos team employees are outfitted in disposable coveralls and a special respirator to further ensure their safety.

Besides doing asbestos removal, the team is often involved in doing minor repairs of deteriorated or damaged asbestos material. In areas which are not under renovation, the team will come in and repair the damaged asbestos area. In these cases the loose asbestos is removed or sprayed with an encapsulant to insure that no fibers can be released into the environment.

It has been the policy of the Safety Office to brief employees who work in an area where asbestos removal is to be accomplished. This briefing includes a brief explanation of the work being done, the precautions being taken, and what preparations in the work areas may be necessary.

In short, all areas at AC containing asbestos have been identified and are monitored to ensure no danger is posed to employees. Asbestos that becomes damaged is encapsulated or removed to prevent any fibers being released into the air, and asbestos existing within areas undergoing renovation is removed to eliminate the potential for future problems.

Call the Safety Office/4621 if you have any questions concerning the management of asbestos material at AC.

Debra Mays is an occupational safety and health specialist assigned to the Safety Office.

Orienteer

Vol. XXXI, No. 18

The *Orienteer* is a funded, authorized publication for personnel of the Defense Mapping Agency Aerospace Center. Contents are not necessarily the official views of, or endorsed by, the U.S. Government, the Department of Defense, the Defense Mapping Agency or the DMA Aerospace Center. The editorial content is edited, prepared and provided by the Public Affairs Office of the DMA Aerospace Center. Address all communications to:

DMA Aerospace Center
Editor, *Orienteer* (PA)
3200 South 2nd Street
St. Louis, MO 63118-3399

Col. Marcus J. Boyle, USAF
Director
James G. Mohan
Chief, Public Affairs Office
Paul Hurlburt
Editor

Kudos

Complete Speechcraft

Eight employees have graduated from Speechcraft: Mary Ann Dedert, Kelly Fitzgerald, Vicky Gard, Marva Harper, Belinda Rhone, David Schaefer, David Scurry and Dana Sparling. AC Toastmaster Ron Snider was the instructor for the nine-week course.

To His Credit

H.W. Gurley (SDADC) won a U.S. Gold Eagle coin, valued at \$400, in a drawing sponsored by the Arsenal Credit Union.

Pirates may be rare on the Potomac but they abound on the high seas

His grandfather and great-grandfather were sea captains and their tales of pirates storming ships to sack cargo and crew were always tall, tantalizing and — sometimes — true.

Today, Tony Hatch, who grew up in Portland, Me., amidst tall ships and tales of the high seas, continues this seafaring family tradition in a modern day world of computers and telecommunications.

Hatch, 32, runs DMAHTC's Anti-Shipping Activities Message (ASAM) File. Since 1985, the system has been tracking terrorism and piracy on the high seas for mariners. The ASAM is part of DMA's widely respected Navigation Information Network (NAVINFONET) in the Mapping and Charting Department.

The ASAM, according to Hatch, a 1982 graduate of the Maine Maritime Academy at Castine, offers the maritime community a means of filing reports about attacks on cargo and crew, storing the data on a computer and disseminat-



ing the data to mariners and governments alike via telecommunications links.

Really, now. Are pirates still a problem in today's modern world?

Hatch, a lieutenant in the Navy Reserve, answers by going to his computer, typing in a message, hitting "print" and waiting.

From the ASAM data bank flows

a stream of anti-shipping messages:

□ Dec. 20, 1989. Panama Canal. The motor container ship *Asian Senator*, Liberian registry, was boarded and seized by 17 pirates while anchored at Pier 9, Port Colon, on the Caribbean side of the Panama Canal. Source: U.S. Maritime Administration.

□ Sept. 24, 1989. Indian Ocean. At 2 a.m., while approaching the pilot station at Madras, India, the vessel *Stonewall Jackson* was boarded by thieves from a fishing boat showing no lights. Crew was held up at knife point. Thieves stole aluminum ladders only. No reported injuries. Source: Waterman Steamship Corp.

□ Sept. 15, 1988. Singapore Straits. Five pirates with knives boarded unnoticed. Master was robbed at knife point in his cabin and forced to open ship's safe. Left tied to chair. Uninjured. Sources: Lloyd's of London, State Department and U.S. Maritime Administration.

□ May 3, 1987. Singapore. Philippine M/Bulk carrier *Lydia 5* was boarded by a band of pirates carrying machetes and machine guns. U.S. \$7,000 cash was stolen along with personal valuables. The boarding took place early in the morning. The pirates came alongside in motor-powered canoes, using ropes with grappling irons to swarm aboard. Source: Waterman Steamship Corp.

And the list of incidents goes on and on.

These are not tall tales, mind you, dreamed up by the DMAHTC employee and his crew. They are live reports of anti-shipping activities that flow into his office daily from around the world.



"Some of them are pretty hair-raising," observed the tanned New Englander, who owns an 18-foot open-bowed run-about moored in a slip on the Anacostia River in Southeast Washington.

A licensed navigator, Hatch lists among his many ship-board experiences four months aboard the Navy ship, *USNS Lynch*. Most of that cruise was spent along the under-charted Mid-Atlantic Ridge, with ports of call in Uruguay, Brazil and Argentina.

Hatch is confident that ASAM has lived up to its billing as a "comprehensive, centralized file" that allows any user with a valid NAVINFONET ID to either send reports to or query the file. And many do.

The ASAM, according to the U.S. Maritime Administration, has made it possible to monitor world wide the ever increasing problem of maritime crimes against crews and cargo.

The administration urges that all acts of piracy, terrorism, attacks, hostile actions, harassments while at sea, anchored or in port, be reported to DMAHTC.

Hatch, meanwhile, is practicing his craft on the Anacostia and Potomac Rivers where sightings of pirates have been rare. — by Carl Goodman, DMAHTC public affairs officer.

Honor Roll

SERVICE AWARDS

35 Years

Ferguson, William Jr.
Kastler, Neil B.

30 Years

Boyer, Billy J.
Duvall, Robert E.
Hinkel, John R.
Porter, Marguerite L.

25 Years

Barr, Edward E.
Buckeridge, James R.
Decker, Norris G.
Hahn, James A.
Leiendecker, Beverly A.
Mooney, Vivian F.
Poff, Donald E.
Schuld, Gerald C.
Skidmore, James R.

20 Years

Schrewe, Robert F.

PERFORMANCE AWARDS

Outstanding Performance

Anderson, Claudia B.
Anderson, Edward E.
Bradley, Ward R.
Fitch, Lola
Imbierowicz Patricia G.
Kudrna, Gloria A.
Platchek, Lora A.
Seger, Leonard G.

ASAP Award

Clouser, John F.
Goldman, Terry A.
Portell, Ruth A.
Pruett, Steven J.

Performance Award

Arms, Wayne F.
Bickett, Cynthia L.
Enke, Katherine E.
Garrison, Cecil L.
Glosecki, Mary A.
Holf, Gale A.
Hornsby, Ingeborg I.
Johnson, Virgil
Keller, Mary J.
Marlatte, Vernon L.
Mulkey, Michael J.
Pizzo, Larry R.
Sanders, John Jr.
Schandler, Michael A.

Outstanding Performance/ Performance Award

Champlin, Robert D.
Coons, Jana L.
Crowe, Gary W.
Falk, Jeffrey S.
Fleming, Robert R.
Hamby, Chris A.
Hartje, Lacey E.
Heard, John A.
Holland, Robert L.
Hulse, Richard N.
Ivens, Sharon M.
Michaels, Anthony J.
Moore, Martha J.
Penrod, Lenford R.
Smith, Myrna R.
Stecher, Carol Rose

Quality Step Increase

Crawford, Patricia A.
Crump, Jerry M.
Huckfeldt, Donna K.
White, E. Faye

Special Act Award

Adams, Karol K.
Addoms, David L.
Berter, John T.
Cone, Dennis F.
Declene, Thomas P.
Dills, Kay D.
Ferguson, Craig A.
Fiedler, William J.
Gardner, Jay S.
Garland, Rose E.
Gockel, E. Jean
Gray, William J.
Gregory, James A.
Haynes, Heidi H.
Hodge, Julia
Johnson, Julene L.
Kellner, Norbert J.
Kimzey, Charles G.
Lacaze, John A. Jr.
Lippold, Donald J.
Milchak, Joseph P.
Murphy, Malcolm H.
Perkins, Michael W.
Robinson, Raymond B.

Sizemore, Smedley J.
Sorum, Mark W.
Szigeti, George J.
Takmajian, Richard B.
Tyus, Robert L.
Vento, Diane C.

Suggestion Awards

Hicks, Loren D.
Hollenbeck, Alice C.
Huening, Katherine M.
Mays, Thomas G.
Moier, Don R.
Tuthill, Joseph E. Jr.
Vermeulen, Kevin W.

Letter of Appreciation Carto Class 88-A to 90-B Instructors Who Taught Five or More Times

Anderson, Douglas W.
Ault, William E. III
Bjerke, Jeffrey C.
Buckley, M. Linda
Burks, Charles H.
Cina, Alan C.
Daniels, Clifton E.
Debruler, Vernon
Etter, Gary L.
Gardiner, John W.
Gayer, Thomas J.
Gillyon, Roy B.
Glass, Bobbie J.
Gruendler, Steven J.
Gum, Scott M.
Heard, John A.
Hehmeyer, James E.
Hoggatt, Leslie J.
Hopkins, John
Hunter, Jeffrey D.
LeSage, Richard A.
Lorbert, Scott C.
Madrid, Richard M.
McAffrey, Linda A.
Morgan, Craig L.
Papcun, Gregory A.
Paulton, David G.
Riganti, John M.
Schulz, Kurt J.
Slavik, Bradford J.

Tisdell, Donald E.
VanMeter, Richard H.
Wielgos, Les
Willson, Harry T. Jr.

Letter of Appreciation First Instructors of DMOP

Allersmeyer, Susan M.
Anderson, Douglas W.
Bartels, William J.
Buckley, M. Linda
Conroy, Kevin K.
Debruler, Vernon
Galan, Henry F.
Gardiner, John W.
Gayer, Thomas J.
Glass, Bobbie J.
Gruendler, Steven J.
Heard, John A.
Hochsetter, Helen Patrice
Hunter, Jeffrey D.
Kawaler, Michael J.
Kerins, John M.
Lancaster, Michelle
Maynard, Stephen K.
Muse, Ronald M.
Rau, John M.
Remmler, Richard A.
Rogers, Jeff C.
Ropac, Brenda
Shaffer, Linda J.
Toohy, Joseph L.
Toots, Kelvin E.
Tracy, Kevin H.
Wielgos, Les

Special Act Award for Subject Matter Experts Who Developed DMOP

Bjerke, Jeffrey C.
Breen, Daniel J.
Conroy, Kevin K.
Conyers, Marvin R.
Daniels, Clifton E.
Debruler, Vernon
Gillyon, Roy B.
Hall, Connie J.
Hehmeyer, James E.
Hopkins, John
Kawaler, Michael J.
Madrid, Richard M.
Maynard, Stephen K.
Michaels, Anthony J.
Peterson, Charles G.
Pratt, Randy D.
Schauer, Kenneth J.
Shaffer, Linda J.
Skinner, Kurt B.
Todd, Michael W.
Toohy, Joseph L.
True, Scott A.
Wagner, Theodore P.
Watson, Keith J.
Willson, Harry T. Jr.
Zimmerman, Marjorie V.



Promotions

Arbogast, Albert D., GS-11
 Armstrong, Phylis R., GS-11
 Basgall, Paul L., GS-11
 Beason, Perry D., GS-11
 Bell, Michael P., GS-9
 Berger, David A., GS-11
 Bertels, Matthew A., GS-11
 Bidinger, David J., GS-11
 Bove, Mary E., GS-7
 Burgesen, Mary E., GS-6
 Carlson, William F., GS-11
 Caveny, Matthew J., GS-11
 Collins, David L., GS-11
 Cross, Howard A., GS-5
 Daniels, Laurie J., GS-11
 Davis, Mary J., GS-11
 Derby, Joyce A., GS-7
 Dixon, Charlie D., GS-11
 Doderer, Darren E., GS-11
 Douglas, James E., GS-11
 Duncan, Jackie N., GS-5
 Earl, Michael W., GS-11
 Elfrink, Hubert H., XP-7
 Erickson, Steven H., GS-11
 Foutch, Brian K., GS-11
 Grohman, Gregory J., GS-11
 Hausmann, Susan L., GS-11

Hayes, Kimberley A., GS-9
 Herrick, Drew M., GS-11
 Holthe, Steve M., GS-11
 Johnson, Tokey D., GS-5
 Jones, David E., GS-5
 Jones, David W., GS-9
 Jordan, Debora A., XP-7
 Konecnik, Kathleen M., GS-9
 Kreighbaum, David W.,

GS-11
 Lamprecht, Carole R., GS-7
 Lawrence, Kenneth W., GS-7
 Magness, Perry O., GS-9
 Mara, Shawn K., GS-9
 Martin, Phillip L., GS-11
 Messmer, Kevin M., GS-11
 Miller, Donna E., GS-7
 Mims, Sherry E., GS-5

Morgan, Kevin B., GS-11
 Morgan, Leah M., GS-11
 Murray, Beverly S., GS-5
 Nassif, Helen V., GS-11
 Nassif, Sherman C., GS-11
 Nelson, David M., GS-11
 Pounders, Eric G., GS-11
 Roush, Eric D., GS-9
 Ryan, Nathan D., GS-9
 Santoyo, Barbara J., GS-5
 Skaggs, Joyce M., GS-7
 Stack, James G., GS-9
 Taylor, Randall E., GS-11
 Turina, Gail M., GS-5
 Van Meter, Richard L., GS-11
 Ver Helst, John M., GS-11
 Vermeulen, Kevin W., GS-11
 Wader, Carl W., GS-5
 Walker, Frederick W., GS-11
 Washington, Mario L., XP-7
 Wayne, Mark A., GS-11
 Webster, Ward A., GS-11
 Weiss, Julie A., GS-11
 Welborn, Wendy R., GS-5
 Weymouth, Jeffrey A., GS-11
 Wilson, Glenn M., GS-11



Staff for the 1990 Combined Federal Campaign are, seated from left, Regina Myers--Annex coordinator, Kelly Fitzgerald--project officer, and Margy Spezia--Torchlighter. Standing, from left: Christina Proehl--assistant project officer, Frank Luebbert--Torchlighter, Cindy Whitehead--loaned executive.

Retirements

James E. Abernathy (WG) retired July 19. Starting with the Air Force Security Service in 1954, he served as a radio traffic analyst in the Philippines. Later he worked as a civilian at the National Security Agency. After his arrival in 1964 at the Aeronautical Chart and Information Center, now DMAAC, he was assigned to chart compilation. "I then progressed into the primitive digitization of charts on the Auto-Trol system," he says. He was a section chief and worked in techniques before transferring to DMASC. "I have worked with some exceptionally wonderful people, whom I will truly miss," he said. His retirement plans are "to enjoy life."

Carns W. Mullins (DPICD) retired Aug. 3. A cartographer, he started out in Nav/Plan charts in 1962. He also served in the Air Force. "I plan on joining the Aerospace Charting Seniors and visiting some old friends that I haven't seen for years," he said. "I'm also going to start a business and hope it does not grow."

James A. Parra (MCBNB), aeronautical information specialist, retired Aug. 3 with 35 years of federal service. He was an airborne radio operator in the Air Force and, as a civilian, served as an assistant air traffic controller with the Federal Aviation Agency in St. Louis before he came to ACIC, now DMAAC, in 1961. He

plans to travel, play golf, and fly radio-controlled model aircraft.

David E. Young, chief of the Alarms and Environmental Controls Section (FEMEE), retired Aug. 3 with 36 years of federal service, including 20 years in the Air Force. His plans: fishing, traveling and home projects.

Visitor Born Here Recalls Arsenal Before WWI

Ruth Robertson Stewart, who visited DMAAC recently, remembers when cattle grazed the open spaces of the Arsenal. "It was a different place then," she says.

Mrs. Stewart, who lives in Maplewood, is perhaps the only person now living who was born at the Arsenal. That was in 1907 in Building 15, a former Officers' Quarters converted to civilian use. Her grandfather was with the Army Quartermaster Depot which occupied the Arsenal then.

"Grandfather Robertson died when I was just five years old," she says. "He

died in this building," she adds, producing a photo of Building 11.

Soon after that the family moved into the Souland district, where for many years her father operated Robertson's Bakery on south Seventh Street near the Pestalozzi School.

Though many of the old structures are gone, Buildings 11 and 15 among them, Mrs. Stewart recalls the old limestone buildings. "And I remember the posts at the main gate," she says. "They took the iron gates away, (they are now at Jefferson Barracks) but they left the posts." --Wells Huff

Sports

Wins 3rd

Cartographer Kathy Huening (DPCAA) shows the trophy she won for placing 3rd overall



among women in the Columbia (Ill.) Daze 5K Race. Sharing her victory is husband Vince Huening (WGI). Kathy overcame heat and humidity to clock in at 21:57. She also had to stand off an attempt by nationally ranked runner Debbie Stiles to overtake her within sight of the finish line. DMA teams--men, women and mixed--are now forming for the Ralston Corporate Relay Sept. 13 at 5:30 p.m. Call Dave Talburtt/8546 for details.

Tennis Tournament Sept. 27 Will Honor Jim Frederick

The DMAAC Tennis League, along with the Civilian Welfare Council, is sponsoring a tennis tournament in honor of our late friend, co-worker and teammate Jim Frederick. The memorial tournament will begin Sept. 27 at 4:30 p.m. in Tower Grove Park. A party will be held following the final matches of the tournament. For an entry form or further information please contact Heidi Haynes (DPPC)/4503 or Barb Ventucci (CMFOP)/4316 prior to close of business Sept. 19.

CWC Plans On-Site Aerobics

Tuesday, Sept. 4, is the deadline to sign up for low-impact aerobics, coordinated by the Civilian Welfare Council. The classes, taught by the YMCA, will be held at 2nd Street from 4:15 to 5:15 and the Annex from 4:45 to 5:45 Tuesdays and Thursdays beginning Sept. 11. Cost for the eight-week session is \$36. Call Jan Fisher/4276 or Janice Earley/8547.

Volleyball To Meet Sept. 5

An organizational meeting for the 1990-91 season of the DMA Volleyball League will be held Sept. 5 at 11 a.m. in the lobby conference room. Games will be played at Notre Dame High School starting Oct. 16. The season will end Jan. 29. Teams interested in playing should have a representative at this meeting or contact Don Dixon/4399.



Photos by Gerald Masucci



Resting Well

Above, Cindy Bickett rests on her laurels at second base after legging out a double while going to bat for the Bobalbos (left). The team was 12-0 in Women's Softball this summer. The gals will be joining the guys for fall softball. Call John Lefman/4262 by Tuesday, Sept. 4, to sign up.

**DEFENSE MAPPING AGENCY
AEROSPACE CENTER**
3200 South 2nd Street
St. Louis, MO 63118-3399

OFFICIAL BUSINESS

BULK MAIL
Postage & Fees Paid
DMA
PERMIT NO. G-2