

DMA Director Retires; Air Force General Takes Command;

Orienteer

DEFENSE MAPPING AGENCY AEROSPACE CENTER

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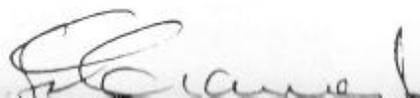
Admiral Says Farewell...

This is my last opportunity to address all my DMA friends and coworkers, and I must confess that I wish the time had not come so soon. My time as your Director was the fastest three years of my entire 37 years of service in the Navy. Time flies when you enjoy what you are doing, and the rapidity with which my service as the Director of DMA flew by speaks for itself.

As we look over the time from September 1974 to August 1977, we can see many good accomplishments that together you and I have brought about. The defense Mapping Agency is a professional organization doing a vital job for our Nation, and I firmly believe that the last three years have seen innovations and changes that have helped make us more professional and more efficient. People that I have associated with used to ask, "What's a DMA?" The outstanding products and superior services that this Agency provides are coming to be known for what they truly are--a vital part of our national defense and an indispensable aid to navigation of commercial vessels in waters outside our territorial waters.

Recent developments in our national defense posture--particularly with the emphasis being placed on the cruise missile by our Commander-in-chief--mean new responsibilities and heavy obligations for the people of DMA. Exciting new programs that are just around the technological corner will make further dramatic demands on you. I go, knowing that General Martin is inheriting a fine organization made up of dedicated people. You may be sure that I will maintain a keen interest in your progress in the coming years as you are confronted by, and overcome, ever new challenges.

I wish you "fair winds and a following sea."



Admiral Cramer

Admiral Cramer graduated from the U.S. Naval Academy and was commissioned an Ensign in June of 1943. He subsequently advanced in rank to his position of Vice Admiral at retirement.

He served during his career on various ships of the fleet with primary duty onboard submarines including command of the nuclear-powered submarine USS Swordfish and the Gold Crew of the USS Patrick Henry.

He has served as submarine advisor to the Chief of Naval Reactors Office, Atomic Energy Commission; head of the Material

New Admiral Deputy

Vice Admiral Shannon D. Cramer, Jr. said good-bye to the personnel of the Defense Mapping Agency last week as he stepped down from the agency's top position thus ending a distinguished Naval career.

Moving in to fill the director's position is Air Force Major General Abner B. Martin, former B-1 System Program Director, Aeronautical Systems Division, Air Force Systems Command, Wright-Patterson AFB, Ohio. The President has approved the nomination of General Martin for promotion to Lieutenant general. His name will be submitted to Congress in September.

Also coming on board to replace the Deputy Director, Air Force Maj. Gen. James Young, who departed earlier last month, is Rear Admiral Robert M. Collins, United States Navy. Admiral Collins has recently been commander of the Naval Surface Group Western Pacific, Commander Task Force Seventy-Three.

During the change of command and retirement ceremonies held in Washington, D.C., the Admiral expressed his appreciation to the men and women of the agency for their efforts during his three year tour.

Major General Abner Martin is a native of South Carolina and a graduate of the U.S. Military Academy at West Point.

He holds a bachelor's degree in military engineering and a master's degree in weapons systems engineering from MIT, a master's in international affairs from George Washington University and is a graduate of the Advanced Management Program of Harvard Business School.

He completed his flight training in 1950 at Randolph Air Force Base, Tex. and remained there for two years as instructor and flight commander in the Air Training Command. He has been assigned to the Air Force Armament Center, Eglin AFB, Fla., where he participated in the test of guidance and fire control systems. He also was associated with aircraft armament problems and in 1957 was armament test project officer for



General Martin

Force Systems Command liaison officer in the Republic of Vietnam he served as Director of Technical Operations, Deputy for Limited Warfare in the Aeronautical Systems Division of Air Force Systems Command, Wright-

S. D. Cramer, Jr.
S. D. CRAMER, JR.
Vice Admiral, USN
Director

Sixteen Graduate Carto School

Sixteen new employees have just completed the training program for cartographers at the DMAAC Cartographic Training School.

Majors in the cartography related disciplines were well represented in this class. There were four people with MA degrees; two in geography, one in geography/cartography and one in geology. There were four undergraduate majors in math, three in geography, one in geology, two in earth science and one in physical geography/earth science. In addition, one of the new employees had considerable cartographic experience having worked at CTS

for nine years where he was primarily involved in quality control of the Radar Landmass Simulator plates.

The new employees have been assigned to production areas as follows: Roger Becker, ACM; Fred Bockelman, ACM; Mary Ann Bourbon, ACC; Leslie Bovier, GDC; Bill Chmelir, ACA; Richard Cox, GDC; Teri Dempsey, GDC; Jane Harris, ACN; John Kelmelis, ACM; Dorothy Kerwin, ACC; Ronnie Lancaster, ACA; Terry McBride, ACN; Barbara Smart, ACA; Grace Stahlschmidt, ACN; Peggy Szuba, GDC; Steve Vetter, ACC.

Top Level Group On Research Meets Here

Over sixty members of the Defense Advanced Research Projects Agency met last month at the Aerospace Center to discuss special programs being undertaken by the Department of Defense that could involve the Aerospace Center.

The group included key personnel in private industrial corporations, military organizations and academic institutions.

Most sessions were held in the South Annex auditorium and lasted into the evening hours.

Commission; head of the Material and Submarine Propulsion Sections, Office of the Chief of Naval Operations; and commanding officer of Submarine Squadron Fifteen.

Additionally, the Admiral has served as Deputy Director of Operations in the National Military Command Systems, J-3, Joint Chiefs of Staff and military assistant to the Assistant Secretary of Defense (Public Affairs). He became Commander Submarine Flotilla Six in May of 1970 and in August 1972 reported as Deputy Director (Strategic) of J-5, the Joint Staff, Office of the Joint Chiefs of Staff. In April 1974 he became Deputy Director for Plans, DIA in Washington, D.C. and in September 1974 the Director of the Defense Mapping Agency.

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armament test project officer for the F-105.

Under an eight year association with the Air Force Ballistic Systems Division, Air Force Systems Command at California installations the general managed the development and procurement of guidance systems for the Atlas and Titan missiles and served as Chief of the Airborne Integration Division in the Minuteman Systems Program Office with additional duty as Director of the Minuteman Mark 12 program.

After a tour of duty as Air

Systems Command, Wright-Patterson AFB, Ohio.

General Martin was appointed Deputy for Reentry Systems for the Space and Missile Systems Organization (SAMSO) in 1970 and became Deputy for Minuteman, SAMSO in August 1971.

The new director was assigned to the Aeronautical Systems Division, Air Force Systems Command, Wright-Patterson Air Force Base as the B-1 System Program Director in January 1974, the position he held prior to joining the Defense Mapping Agency.

Rear Admiral Robert Collins was born in Texas and began his Naval career in November 1942 in the inactive reserve program.

He was commissioned an Ensign in the U.S. Navy in 1944. He is a graduate of the University of Oklahoma and the Armed Forces Staff College.

He had sea duty aboard several ships of the Navy including command of the USS K.D. Bailey and the USS Fox.



Admiral Collins

He has also served with the Mine Warfare Evaluation detachment as Air Laid Mines project officer; chief staff officer of Amphibious Squadron Four; operation officer of River Flotilla One in the Republic of Vietnam; chief of staff and aide to the commander, Cruiser Destroyer Flotilla Three and chief of staff and aide to Commander Amphibious Force, U.S. Pacific Fleet.

In 1975 the Admiral was named Commander Service Group Three/Commander Task Force Seventy-three. In February 1976, Commander Service Group Three shifted homeports from Sasebo, Japan to Subic Bay, Republic of

Continued on page 2

Labor Day, Sept. 5

Honoring All Who Work

Once a holiday associated with the militancy of the labor movement, Labor Day now honors all who work.

The holiday observance was the inspiration of Peter J. McGuire, the tenth child of an Irish-American family who began working at the age of 11 in piano and furniture factories. He later became one of the leaders of the Knights of Labor, a labor organization of the last century. He was also president and founder of the United Brotherhood of Carpenters and Joiners of America.

McGuire protested to the Central Labor Union of New York City in 1882 that "... there were other worthy holidays representative of the religious, civil and military spirit, but none representative of the industrial spirit, the great vital force of every nation."

Acting on his suggestion, the Central Labor Union, on Sept. 5, 1882, staged the first Labor Day parade and celebration. Some 10,000 workers marched around Union Square in New York City, reviewed by the general assembly of the Knights. Later in the day there were picnics, dancing, fireworks and that favorite nineteenth century pastime, oratory. But not one Labor Day sale; those were to come later.

Oregon was the first State to recognize Labor Day officially on Feb. 21, 1887. Today all 50 States and the District of Columbia pay tribute to contributions of the Nation's workers by observing Labor Day, celebrated this year on Sept. 5.

There was no particular significance for choosing a September observance, other than the very reasonable explanation of McGuire who said, "I suggested the first Monday in September of every year for such a holiday as it would come at the most pleasant season of the year, nearly midway between the Fourth of July and Thanksgiving, and would fill a wide gap in the chronology of legal holidays."

Millions of Americans over the years have been grateful for the logic of Peter J. McGuire in selecting such a beautiful time of the year for a holiday. Today it has evolved into the last fling of the summer, marking vacation's end, a new school year, a prelude to Fall and a time for gigantic sales—a time with something for everyone. But most significantly, it is a time for paying tribute to America's working men and women who, true to the American ethic that all work is honorable, continue to build our Nation.

The Elevator is Back

Bits And Pieces

From the Black book:

The last fling of summer, Labor Day, is upon us. Three days in which to try to cram all the things that you intended to do this summer and didn't. Some are off to the lakes while the more ambitious have indicated a trip to the mountains for back packing. If things go as usual on such holidays the water skiers will wind up wrapped around each others tow ropes and the hikers will meet so many people on the trails that they'll think it's a Sunday school picnic. And of course, Friday night everybody will be attempting to hit the road first so that traffic will be one long ribbon of metal. I think I'll stay home and enjoy the peace and quiet.

-0-

Admiral Cramer officially departed as Director of the Defense Mapping Agency yesterday and we wish him the best in his retirement years. His tenure as director has been a bright spot in the agency's history. His smiling face and friendly words will be missed in the corridors of DMA.

-0-

And with the same breath we welcome on board our two new leaders and wish them the best of happenings as the DMA history continues to be written.

dlib..

Praised For Work

Two Aerospace Center employees have received letters of

Top Summer Aids Receive Special Awards



These members of the 91 summer aids hired by the Aerospace Center were judged to be in the top ten percent of their peers based on supervisors evaluation of work performance and attitude. In recognition of their selection each was presented a special achievement certificate by the Director in ceremonies held August 18. Summer aids receiving awards included: Craig Brown, Earl Burrell, Janet Hartman, Sarah Hufstedler, Connie Kleisly, Charlene Koroby, Tony Mayes, William Seka, Linda Smoot, Emma Taylor, Lillian Waler and Roderick Warrick.

Flu Immunization Program

The Civilian Welfare Council is again sponsoring the Flu Shot Immunization Program. Anyone interested in receiving a flu shot this year should contact their representative if they have not already done so. Listed below are the Civilian Welfare Council representatives, the area they represent, and what departments are in each area.

- | | | |
|-------|----------------|--------------------|
| No. 1 | Maurice McHugh | D, AA, SO, PA, PP, |
| | SOSC, 4285 | CO, PR, OC |
| No. 2 | Judy Fizer | PO, CM, SOP |

The Elevator is Back!

Yes it's here! Elevator No. 3, the 'B' section of Bldg. 36 elevator, is back in service.

The 12000 lb. capacity elevator replacement was completed on Aug. 22. Facility engineers report the new machine passed all required tests with flying colors.

The test consisted of checking the operation of all safety and fail safe devices required on the American National Safety Code for Elevators. Visible safety devices include two electric light beams and a rubber safety edge on the car doors. Any obstruction between the door and jamb will interrupt light beams and prevent the door from closing. The door safety edge is a fail safe device that will reopen the door if it meets an obstruction, such as an arm or leg.

Among the non-visible safety devices are mechanical and electrical interlocks in the elevator shaft and roof top machine room. These devices will automatically cut off all electric power to the machine, apply spring loaded brakes to the drive motor, and set a car safety that will stop a fully loaded car within a few feet immediately following any malfunction.

Replacement of Elevator No. 3 is part of a planned modernizing and

upgrading program affecting all DMAAC elevators. The objective of the program is to provide safe, efficient freight and passenger service that will be compatible with mission requirements. Proper use of the elevators by DMAAC personnel will assist the completion of this project and provide better service for everyone.

Some common practices we should correct are: using an elevator for one or two floors; using passenger elevators for freight and freight elevators for passenger service.

Elevators are designed for the anticipated usage. Elevator No. 7, the freight elevator at the North end of section 'A', has a 30,000 lb capacity. Elevator No. 6 in 'A' section is a 12,000 lb capacity freight. Using either of these for passenger service is not cost effective. Using the lobby passenger elevator, No. 8, for shopping carts and other freight purposes ties this high speed elevator up preventing other persons from receiving service. While FE continues the elevator testing and upgrade program, assistance from the elevator users will promote efficiency and provide better service for everyone.

employees have received letters of commendation regarding special projects they have worked on over the past few months.

Roy E. Barnette recently was commended in a letter from DMA Director, Vice Admiral Shannon Cramer, to DMAAC Director, Col. James St. Clair. In the letter the Admiral said, "... Mr. Barnette expertly accumulated, assembled and presented the critical requirements for expanded computer capacity at DMAAC. The successful presentation of these requirements culminated in the approval for the upgrading of your computer equipment by the Officer of the Secretary of Defense and the General Services Administration."

Joe Morrisroe was praised in a letter from Brig. Gen. Ames Albro, of the headquarters, for his efforts required in the routine maintenance and production of Flight Information Publications particularly in the support of the military training route program developmental graphics.

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New Director and Deputy

Continued from page 1

the Philippines. On April 1, 1976 the Commander Service Group Three was redesignated Commander

Naval Surface Group, Western Pacific, the position held by the Admiral prior to the DMA assignment.

New Scout Map By-Product Of Center Employee Expertise

A new map of the S-F Scout Ranch south of St. Louis is the end result of Aerospace Center professionals using their talents to help the local community.

The map, produced at a scale of approximately 1:24,000, is an updated version of one produced in 1974. Due to the acquisition of an additional 1,000 acres by the ranch, the new, expanded area map was necessary.

The original version was a project of the Aerospace Center sponsored Explorer Post. The revised edition was accomplished by the Post, members of the Center's Upward Mobility cartographic team and employee volunteers from various elements of the Center. The concept and technical assistance was developed through the efforts of the local members of the American Congress on Surveying and Mapping and the American Society of Photogrammetry.

The maps are used by the scouts in planning and laying out hiking

trails. S-F ranch covers about 4,200 acres.

When the project was originally begun the only source material for the area was an old topographic quadrant map that did not depict the man-made scout lake or any of the changes made to the terrain by the scout encampment.

Using aerial photos, the topographic map and information gathered during personal surveys, the group of volunteers put together the basic chart.

The second project, that of expanding the map to cover the additional purchased area, was almost like starting over again. The source material was still the old topo map as no current information was available over the acquired property.

Members of the Explorer Post were involved in the early compilation phase and used cartographic and photogrammetric techniques learned from professional leaders in completing their work. Volunteer employees,

ACSM/ASP members, and the Upward Mobility students in the Center's cartographic course performed the subsequent compilation phases, negative engraving, preparing names overlays and composite proofs, and editing and field checking.

Both editions of the map were printed by the St. Louis Area Scout Council.

A formal presentation of the newly revised edition of the scout ranch map is to be presented to St. Louis Area Council officials during the joint ACSM/ASP meeting this month.

Involved in the project have been Robert Smith, Dave Caldwell, Dick Webster, Charles Houston, Bill Randall, Ray Massie, Bob Champlin, Claude Sides, Janet Nugent, Joseph Hervath, Mark Burghardt, Steven Ditterline, Dennis Mollie, David Nugent, Tony Valenti, Barney Lepsky, Julie Presnell, Willard Tucker and numerous individuals that provided type and reproduction support.

Thirty Year Stories From Five

DUANE A. SAWDY, JR., ACAB, reached the 30 year mark on July 20. He enlisted in the Army Air Corps in December 1941. He was a SSGT Liaison Pilot, with the 159th Liaison Squadron, 3rd Air Commando Group with duty in the Pacific Theatre of Operations.

He returned to Federal service in July 1951 at the Army Map Service in Washington, D.C. He transferred to the Aeronautical Chart Service in Washington in 1954 and

anniversary was on August 15. He entered the Army Air Corps on August 14, 1947 and was sent to Tinker AFB, Okla. for Weather Observer training. He spent one year at Padloping Island, which is in the Baffin Islands of the Northwest Territories of Canada, about 125 miles above the Arctic Circle. He adds, "Sixteen enlisted

negative engraver foreman.

He transferred to the Printing Department in May 1963 as a lithographic quality control inspector, then a lithographic specialist. Since April 1974 he has been assigned as a supervisory lithographic specialist in the Printing and Distribution Department.

Sawdy



Greco



Nagy



BAG Award To Director



Louis Foster, President of the local Black Awareness Group, presents a plaque and special certificate of appreciation to DMAAC Director, Col. James St. Clair, during the organization's August meeting. The Director was honored for his continued support of the equal opportunity program and the efforts of the Black Awareness Group. In presenting the framed certificate Foster expressed his personal gratitude for the colonel's leadership and direction provided to the EEO program. The meeting was the annual membership rally.

Navy Captain Takes Helm of PR

Navy Captain Charles F. Bird has been named the Deputy Director of the Plans, Requirements and Technology Directorate at the Aerospace Center.

The Captain reported for duty



was assigned to the Research Division. He moved with the Division to St. Louis in 1957. He transferred to the P&D Staff Office in 1964 as a contract coordinator. In the 1972 reorganization he was reassigned to Research Department as a regional specialist and in the most recent reorganization was assigned to Aerospace Cartography Department, Air Target Materials Division, Compilation Branch as a supervisory cartographer.

LOUIS E. GRECO, GDGGA, reached the 30 year mark on August 1st. He served in the Navy from June 1943 until May 1946 aboard a destroyer in the Atlantic, Mediterranean and Pacific areas.

After receiving his BS degree in Mechanical Engineering from the Missouri School of Mines at Rolla, Mo. in June, he joined the Aeronautical Chart Plant at 12th & Delmar in July 1950. He was assigned to the Photogrammetry Division, Mosaic Branch. He attended Ohio State University from August 1958 to 1959 and upon his return was assigned to the Research Department, DoD Gravity Services Branch. Since the reorganization in October 1976 he has been assigned to the Geopositional Department, DoD Gravity Services Branch as a supervisory geodesist.

Mr. Greco has served on the Arsenal Credit Union's Supervisory Committee for over ten years.

ALFRED H. NAGY'S, PDB, 30th



Moore



Shoults

men, and an occasional polar bear, comprised the entire station complement."

He was discharged on August 13, took his civil service physical on the 14th, and started work at the Aeronautical Chart Plant on August 15, 1951. He was assigned to the Pressroom as an apprentice feeder. In June of 1972 he was reassigned to the Printing and Distribution Department, Production Management Office. He transferred back to the Press Division in January 1976 where he is currently assigned as the head pressman on the newly installed 5-color offset press.

EDWARD J. MOORE, PDP, reached the 30 year mark on August 21st. He served in the Marine Corps from March 1946 until May 1947.

He was employed at the Aeronautical Chart Plant on October 18, 1948 and was assigned to the Cartography Division as a cartographic draftsman. Four years later he was assigned as a negative engraver and in 1956 a

ELMER D. SHOULTS, PDDI, reached the 30 year mark on August 27th. His military service was from December 29, 1942 to January 13, 1946, assigned to an Aviation Gasoline Supply Company. He spent 27 months in the Pacific area—3 months in Australia and 24 months in New Guinea.

His Federal civil service began in September 1950 with the Army Medical Depot. When they moved out of the area he transferred to the Aeronautical Chart Plant on April 12, 1952 and was assigned to the Distribution Division. His 25 years here have been in the Distribution Division where he is presently assigned as an inventory management specialist.

Don't forget the AC Bar-B-Que to be held Friday night, September 9th on the DMAAC parade ground. There will be music, games, food and drink. The picnic will commence at 3:00 p.m. and last until midnight.

Price of tickets is \$6.00 each. See posters throughout the Center for ticket information.

The Captain reported for duty last month from an assignment as commanding officer of the Fleet Weather Central in Pearl Harbor, Hawaii.

A native of New Jersey the new arrival has degrees in Geology and meteorology.

He was commissioned as an ensign in 1953 after previously having served for 21 months in the enlisted service as a Naval Aviation Cadet.

The captain has over 4000 flying hours including duty as a flight instructor; in anti-submarine warfare; and in operation Deep Freeze held during the late 50's and early 60's.

In 1965 he switched to the meteorology career field and has served as operation officer, Fleet



Weather Facility, Yokosuka; as staff meteorologist U.S. Naval Support Force, Antarctica.

In 1969 he again changed his career field to Geophysics-Meteorology and then served as commanding officer Fleet Weather Facility San Diego. From 1972 to 1975 he served in various staff assignments with HQ NAV-WEASERVCOM. In July 1975 he became commander of the Fleet Weather Central at Pearl Harbor.

The captain is a veteran of over 26 years of military service.

Calendar of Events

5 HOLIDAY-LABOR DAY

6 Charters Golf Assn.	Clinton Hills	C. Lambert/8180
7 Toastmasters	Lindbergh Room	
8 DMAAC Women's Club	Sappington House	Mrs. L. Ayers/ 878-1096
		Mrs. M. Carlson/ 966-5599

13 FBA Luncheon & Meeting Carpenter's Hall D. Black/4142

13 Joint Technical Society Meeting

15 FEW Meeting Dining Hall J. Bebermeyer/
4514

16 BLOODMOBILE Bldg. 25, 2nd Street D. Ullo/8364

20 BAG Meeting Training Rm 6, S. Annex

20 Charters Golf Assn. 5th Fl. Conf. Room L. Williams/4424

21 Toastmasters Belk Park C. Lambert/8180

27 NFFE Local 1827 Lindbergh Room

6th Fl. Conf. Rm. V. Haun/4424

Contact Marge Wisneski/4142, to have your October events listed.

CENTER SPORTS

Rebels Take 2nd In Tourney

The DMAAC Rebels team was runner-up in the ASA Slow-pitch Industrial Major Regional tournament which was held in Omaha, Neb., August 19 and 20. The Rebels lost to Budweiser, 15-14, in a hard fought championship game.

The Rebels defeated various teams from Nebraska, Kansas and Missouri to reach the final game. The leading hitters for the team in this tournament were Walt Czarnecki, Tom Berra, Phil Foster and Bruce Thompson. This tournament qualifies the Rebels for

the Nationals in Birmingham, Alabama, which will be held over the Labor Day weekend. However, the team has selected the option of participating in the Federal Employees tournament held at Cincinnati, Ohio, the same weekend.

The team is now playing in the St. Louis city playoffs and hopes to win their sixth city championship.

Members of the 1977 Rebels team are: Phil Foster, Tom Dufford, Bill Croisetiére, Fran Renschen, Joe Stitz, Tom Berra, Bruce Thompson, Ray Anderson, Marcel Janowski, Walt Czarnecki, Russ Kappesser, Don Duncan, Bill Moorman, Lonzell Williams, Bill Judge and Manager Garnet Bebermeyer.

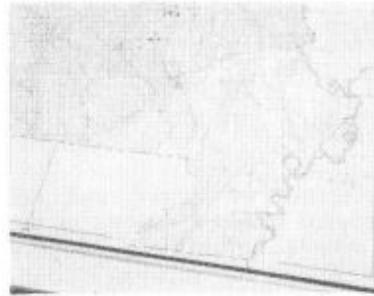
Women's Softball News

The DMAAC 89ers women's slow-pitch softball team has scored a total of 70 runs in their last four games. Two of the games went only five innings. On August 6, the 89ers defeated the D.O.P.E.S. 22-0 and then in the second game of a twin bill overcame Kadean by a score of 13-3. On August 15, the team played another double-header, this time defeating Kavanaugh 17-2 in five innings and 18-5 in the second game; thus capturing second place in the league and a berth in the play-offs. The team has an 8-3 record with one remaining game, scoring a total of 136 runs to the opponents' 51 runs.

The 89ers got off to a good start this year and then slacked off in mid-season. However, after some skillful running and batting tips

from Manager George Huelsmann, the team exploded in the last four games—hitting and batting averages soared. The team batting average is .389; the four highest individual averages are .500 (Nancy Clark), .463 (Julie Bauer), .439 (Martha Hovis), and .406 (Linda Kranefuss).

Team members include: Julie Bauer, Mary Bove, Nancy Clark, Shirley Cunningham, Judy David, Janet Fialka, Jean Gockel, Martha Hovis, Cathy Kaeshoefer, Terri Kramer, Linda Kranefuss, Mary Louise Maret and Jeanne Provaznik; first base coach is Roger Mitchell and third base coach is Rick Kranefuss. Scorekeeper and statistician is George Lux.



Using one of the original techniques of map making, that of representing land forms on maps by drawings, Terry McBride, a recent graduate of the Center's Cartographic Training School, has produced the first complete drawing map of Missouri.

The map (shown above) was produced as McBride's thesis for completion of his master's degree in Geography from the University of Missouri this past spring.

The map is done in the well

known drawing style developed by Royce and Lobeck and is an easy work for the average person to view as compared to the modern shaded relief and contour type products.

"The map can also be used as a base manuscript with vegetation or other information printed over it," commented McBride.

"The method is old with no modern tools used. I did the drainage and everything by pencil first and then inked it as the last step." The original scale of the chart was 1:500,000 but the final map was reduced to 1:750,000 scale

to produce a small easy to handle map.

The University of Missouri Press has indicated a desire to print the map for commercial sale and has asked McBride to write a handbook to accompany the work. The map will be a useful tool for high school level to assist in the teaching of Missouri geography.

McBride, a native of Harrisburg, Mo., completed the Cartographic Training School during mid-August and has been assigned to ACNA.

Two Complete Degrees

Two Aerospace Center employees, Betty Qualls and Linda Oeser, recently completed their baccalaureate degree and graduated with top honors in their respective programs.

Betty Qualls, a data base analyst in the Scientific Data Department, received her BA degree in Management from Tarkio College graduating Magna Cum Laude. She is the first graduate through the Tarkio extension program in St. Louis to graduate with honors.

She began her career at DMAAC in June 1951 as a cartographic aid in the Cartography Department. During her career she has also

worked as a cartographer in Missile Support Division.

Linda Oeser is assigned to one of the charting sections of the Kansas City Office of the Aerospace Cartography Department. She received her degree in Public Administration from Park College in Kansas City and was one of three students to receive Summa Cum Laude honors.

She began her Federal career ten years ago as a photogrammetrist with the Engineering Topographic Center. Her work since then has included both cartographic and photogrammetric compilation and color-separation.

Nation Pays Honor in Sept.

Employee Produces "First Of Kind" Missouri Map

Women's Club Meeting Sept. 8

The DMAAC Women's Club will meet September 8 at the Sappington House Barn Center Tea Room in Crestwood beginning at 11:00 a.m.

Speaker for the day is Mrs. Daisy May of the Judevien Center for Autistic Children. A house tour will be available after the luncheon, according to program planners.

All wives, civilian and military, or employees of the Aerospace Center are welcome to join the club or be a visitor for the luncheon.

For membership information contact Mrs. Reinhardt Bergmann 892-6308.

VIVA HISPANIA

DMAAC Closed Slowpitch

League Standings

	Win	Loss	Tie
Nads	11	2	
Chargers	9	3	
Zymurgies	9	4	
Mustangs	7	6	
Twins II	6	6	
Panthers	4	9	
Cougars	2	10	1
Gorillas	2	10	1

In games played July 27th the Mustangs knocked the Nads from the undefeated ranks 9 to 7; the Zymurgies beat the Cougars; the Chargers beat the Panthers; the Twins beat the Gorillas.

In games played August 3rd the Twins beat the Panthers; the Chargers beat the Mustangs; the Zymurgies beat the Gorillas; the Cougars beat the Nads.

The DMAAC tournament games for the four teams with the best records not going to the City playoffs were played August 17th. The Zymurgies beat the Panthers; the Mustangs beat the Twins 17 to 4 and then beat the Zymurgies 18 to

6. The Mustangs, apparently stung by a previous article in the **Oriente**, took a swig of Geritol and played their best games of the year. Good defense and timely hitting by the entire line-up was evident. Ed de la Pena was 6 for 8 with one home run; Bill Judge 4 for 5 with one home run; Marv Staloch 3 for 7 with one home run; Gene Sylvester 4 for 6 with one home run; Rich Hulsey 4 for 7; Ed Barr 3 for 5; Paul Hudson 2 for 5; Jim Swize 2 for 6; Butch Thurman 1 for 6; Charlie Chapman 1 for 7. The Twins had 10 hits with one home run. The Zymurgies had 9 hits with two home runs.

National Hispanic Heritage Week, observed during Sept. 11-17, gives recognition to the contributions of our Nation's Hispanic-Americans. Among those contributions are the special qualities and characteristics of Spanish-speaking Americans which add strength and texture to the overall American fabric.

Daniel T.V. Valdes, a scholar on the American Southwest, points out some of the generalized differences between Anglo-Americans and those of Spanish origin. The Anglo is a servant of time; to the Latin there is time for everything. The Anglo is practical and wants organization; the Hispano is theoretical and individualistic. The Anglo is supreme in science; he places economic well-being and wealth above everything. The Latin excels in human relations; friendship is the most important element in his life.

Another scholar says of the Hispanic-American of the Southwest, "He descends from men who have for three centuries withstood drought and flood, tilled the land faithfully, adapted their building to the contours and rigors of the

country, and maintained the solidarity of their families."

Although not always finding favor or agreement with their Anglo neighbors, the Hispanos put their imprint indelibly and significantly on the area and all of its people. The Hispano's ancestors introduced Colonial-Spanish architecture; hundreds of place names in the Southwest are Spanish. And the well-known American cowboy inherited his trade, his horse, his outfit, his lingo and his methods from the Spaniard.

It is also interesting to note that the Hispanos of the Southwest became American citizens by choice and not by chance. Under the terms of the Treaty of Guadalupe Hidalgo in 1848, the Spanish-speaking people were given their choice between Mexican or U.S. citizenship, with one year in which to make up their minds. Mexico offered them land grants below the Rio Grande, but the majority preferred to stay where they were, where their families had lived for one or two hundred years, and to become citizens of the United States.

In this century, Hispanic

Americans, with roots in this Nation further back than any other group except the American Indian, have been joined by Hispanic people from other nations of South and Central America. In the years following World War II, for example, tens of thousands of Puerto Ricans have come from that small island to fill the job needs of American industry.

After the Cuban crisis, thousands of Cubans, many of whom left all worldly possessions behind, were allowed by the Cuban government to come to the United States. Added to these sources of immigration are those coming from other nations of Latin America. As a result, this country now has a Spanish-speaking population third only to the whites and blacks.

What one writer says of the Hispano of New Mexico could equally apply to all Hispanic-Americans: "His filial respect, his love of home and of country, and his fortitude in the face of adversity are potential resources to Americanism. Such qualities bespeak preparedness to enhance American life."