

# Orienteor

DEFENSE MAPPING AGENCY AEROSPACE CENTER

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December 17, 1982

*Civilian Welfare Council  
Invites Children to Join  
Orienteor Coloring Contest*

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DEFENSE MAPPING AGENCY  
BUILDING 56, U.S. NAVAL OBSERVATORY  
WASHINGTON, D.C. 20305

10 December 1982

HOLIDAY GREETINGS FROM GENERAL AND MRS. WELLS

My wife, Lynn, joins me in expressing our sincere wish that each of you and your families enjoy this holiday season, and have a healthy and prosperous year in 1983.

As DMA completes its 10th anniversary year, we can take pride in a job well done. I am confident that the effort we have made this year will allow us to continue our fine tradition of support to the defense of our Nation. The challenges of the next decade will call upon each of us to put forth our best efforts. I am confident that we will meet those challenges. As members of the DMA family, we know that our mission to this Nation helps provide the surest safeguard for peace.

As we go about our duties in the year ahead, let us keep in our hearts a prayer for peace and goodwill towards all people.

RICHARD M. WELLS  
Major General, USA  
Director



DEFENSE MAPPING AGENCY  
AEROSPACE CENTER  
ST LOUIS AIR FORCE STATION, MISSOURI 63118

1982

## Christmas Coloring Contest

It's time again for the Orientor Christmas Coloring Contest. The Civilian Welfare Council in conjunction with the Public Affairs Office is sponsoring the coloring contest for children and relatives of Aerospace Center workers. To enter the competition the young artist should color in the cover of this issue of the Orientor (Dec. 17). The completed color drawings can be in any style, (crayon, pencil, felt tip, etc.).

Besides age category, drawings will be judged according to style, use of color and originality.

The competition is open to all children, grandchildren, or brothers and sisters of Aerospace Center employees. Children competing must be 12 years of age or younger. There

will be three categories for judging. The first category is for children 6 or under, the second ages 7 through 9, and the final group is for children 10 through 12. Only one entry per child.

The winners will receive a "Santa Box" of See's candy and a certificate. There can be up to 12 winners in each category. The "Santa Boxes" were provided by the Civilian Welfare Council.

To enter, complete the form found below. All entries should be returned to the Public Affairs Office by COB Jan. 7. The entries will be judged by a panel made up of members of the Civilian Welfare Council. Winners will be announced in the Jan. 28 issue of the Orientor.

### Orientor Christmas Cover Coloring Contest

Name: \_\_\_\_\_

Age: \_\_\_\_\_

Aerospace Center Sponsor: \_\_\_\_\_

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

Work Phone: \_\_\_\_\_

Complete the above form and return this page (the entry) to the Public Affairs Office by Jan. 7, 1983.

## Center's Bus Service Changes Little

## HOLIDAY GREETINGS

As our decennial year draws to a close, we of the Aerospace Center can look with pride upon our accomplishments. As a team, we have continually responded to the requirements of the military services and the federal agencies we support. They in turn have been able to carry out the vital aerospace missions of earth and space.

In the satisfaction we draw from a job well-done comes the responsibility to examine both the team effort and our own individual effort to assure that our future accomplishments will be even better; that we keep current with technological developments; that we produce the best products; and that we provide the best services to meet our users' needs.

As you gather with family and friends for the holidays, take with you my sincere appreciation for all your positive efforts in 1982 and my best wishes for the new year.



J. W. SMALL  
Colonel, USAF  
Director

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Col. J. W. Small  
Director

David L. Black  
Chief, Public Affairs Office

Paul Hurlburt  
Editor

## Departments Honored for Meeting Blood Goals

Certificates of Appreciation were awarded by the American Red Cross to those departments of the Aerospace Center who met or exceeded their annual goal for 1982 blood year (July 1981 through June 1982).

Departments, directorates and staff offices receiving the recognition were the Office of the Director, Aeronautical Infor-

mation Department, Equal Employment Opportunity Office, Geopositional Data Department, Directorate of Logistics, Office of Communications and Electronics, Public Affairs Office, Directorate of Programs, Production and Operations, Scientific Data Department, and Directorate of Systems and Techniques.

The blood drives occur monthly at Second and Arsenal, where a goal of 70 units is attempted. At 8900 S. Broadway the drives are four times a year: August,

November, February and May with a goal of 50 units.

Two inbound and one outbound runs of the Tesson Ferry rapid were dropped, but only late commuters are affected. The last inbound run now leaves I-55 and Butler Hill Road at 7:55 a.m. instead of the previous 8:28 a.m. The last outbound run now leaves the south entry ramp of Arsenal and I-55 at 6:05 p.m. instead of the previous 6:26 p.m.

There was no change in the Broadway-Barracks express, which has four inbound runs leaving the Jefferson Barracks Hospital and four outbound runs from Arsenal and I-55.

The Oakville rapid also continues on the same schedule of three inbound runs originating at New England Village and three outbound runs stopping at Arsenal and I-55. The last outbound run terminates at Sylvan Springs Park-Ride Lot; the earlier two

Village.

Employees using the three local lines serving the Aerospace Center will find less frequent service on the Broadway and Cherokee lines. The Arsenal line remains unchanged. The single run of the northbound Broadway local that originates at the Main Gate of the Aerospace Center each work day at 4:35 p.m. also was not affected.

For details concerning the schedules of these and other lines, phone Bi-State information; the Missouri number is 231-2345.

## Center Asked To Sponsor Explorer Program

In the past year the Aerospace Center has provided facilities and supervision for the Boy Scouts of America special interest Exploring program in geodetic sciences. Recently, the BSA and the Aerospace Center have been approached to provide sponsorship and a program in basic computer science.

In order to provide the hands-on type of instruction and an acceptable environment, the Aerospace Center will need to provide adult leaders and committee members, and a suitable program for co-ed students ages 14-21.

Anyone who would like to participate in this program or would be able to provide input as to content or personal expertise should call Bob Champlin, 4137. A meeting with BSA officials will be set up at a future date to provide assistance and answer questions.

—Charlene Hardin, R.N.  
Chief of Medical Services

# EMPLOYEE RETIREMENTS

**THOMAS O. DAHL (GARA)**, a lithographic pressman, is scheduled to retire Dec. 31 with more than 36 years of federal service. A Navy veteran of World War II, he joined the Aerospace Center in June 1951 as a member of the Printing Division in the former Aeronautical Chart Plant.

**MELVIN E. HALEY (LOMP)**, a supervisory production controller, is scheduled to retire Dec. 27 with more than 33 years of federal service. He began his federal career in 1946 as a cartographic aid, painting relief models at the U.S. Naval Photo Interpretation Center in Washington, D.C.

Haley came to the Aerospace Center in August 1954 as a cartographer in the Edit Branch of the Cartography Division. He was later a production control chief in the former Chart Research Division and a compilation unit chief in Cartography. Haley has been chief of the Maintenance Control Office in the Directorate of Logistics since 1966.

## Responsible Drinking

There are a number of ways for a drinker to avoid drunkenness, the Employee Assistance Office advises:

1. Know your limit.
2. Eat while you drink.
3. Sip drinks; don't gulp.
4. Accept a drink only when you

**HOMER R. KNIGHT (GDIAA)**, a photogrammetric cartographer, is scheduled to retire Dec. 31 with nearly 25 years of federal service. During World War II he served in the Army Air Force in the China-Burma-India Theater of Operations. Honorably discharged in 1946, he was later recalled for duty during the Korean conflict. Knight began his civilian career in 1949 with the Department of Agriculture in Washington, D.C., preparing map control data for acreage allotment programs. He came to the Aerospace Center as a cartographer in March 1963.

**CARL S. LAPPE (LOSSR)**, a supply technician, is scheduled to retire Dec. 31 with nearly 39 years of federal service. Drafted into the Army in 1943, he served 13 months in Leyte Island, Philippines, his last position as a staff sergeant in the 15th Supply Squadron. His first federal civilian employment was with the Army Finance Center in St. Louis, where he served as warehouse chief and assistant chief in the Service Office before the Center moved to Indianapolis.

Lappe came to the Aerospace Center in February 1954, starting out as a clerk typist. He was a unit supply officer in the Aeronautical Information Department and a supply technician in the Research Section of the Directorate of Logistic's Supply Division. Since July he has worked in the Records Maintenance Unit of Supply Division, due to a reorganization.

**LEE R. SCOTT (SSA)**, a cartographic clerk, is scheduled to



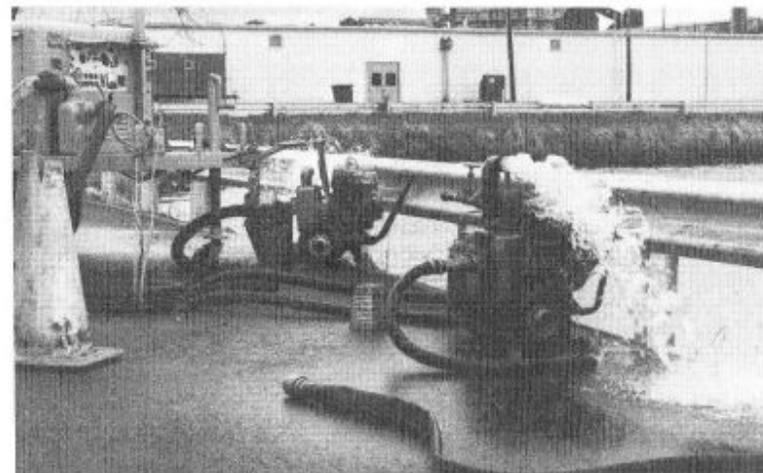
River Des Peres, which normally flows to the north (right) of Building 4, laps the eastern side of the floodwall protecting the building. The large hose running down the bank at left was used to discharge runoff that normally empties from a pipe leading under the building. During the flood of 1973, hundreds of employees volunteered their labor in a massive sandbagging effort at South Annex. The floodwall was constructed soon after. (Photo by John LaBusier)

## Flooding Prevented at South Annex

Flood control efforts at South Annex after the heavy rain this month were limited mostly to pumping operations. Thanks to a floodwall constructed after the 1973 flood, no extensive sandbagging was necessary.

Pointing to water lapping the base of the flood wall at the east end of Building 4, Lt. Col. George A. Jacoby, director of Facilities Engineering, commented, "This past weekend the wall paid for itself."

FE officials looked over the situation Friday afternoon of the Dec. 3 weekend, as rains continued their deluge of several days with no sign of a letup. South Annex lies



Pumps take water from a manhole connected to one of two large

want it.  
5. Beware of unfamiliar drinks.  
6. Don't drink to relax when what you really need is a change of pace or some sleep.

7. Above all, don't drive while drinking. Arrange for transportation by someone who has not been drinking or use public transportation.

By making responsible decisions about the use of alcoholic beverages, you can have a happy holiday.

retire Dec. 31 with more than 33 years of federal service. He began his career with the Army Records Center in 1951 and joined the Aerospace Center in 1957.

**HERBERT J. WILLIAMS** (GARA), a lithographic pressman leader, is scheduled to retire Dec. 31 with more than 33 years of federal service. A Navy veteran, he joined the former Aeronautical Chart Plant (now the Aerospace Center at 12th and Delmar in April 1951.

Peres near its mouth at the Mississippi River.

The situation was threatening enough to warrant setting up a command post with teams working around the clock to keep the situation under control.

The main problem centered on two large drainage pipes that normally empty into River Des Peres but had to be closed to avoid a calamitous backup. Through a system of smaller pipes, the two pipes collect runoff from drains and building downspouts throughout the installation. Both of the pipes run across the installation from north to south and under Building 4, one from the area between the two lakes and the other from inside the entrance at South Broadway.

In an effort to find new outlets for the unusually large runoff, FE teams put into operation an elaborate round-the-clock pumping system, utilizing Aerospace Center pumps and loaned emergency equipment.

From a manhole connected to the drainage pipe near Broadway, water was pumped into the street gutter. From the second main drainage pipe, water was pumped out of a manhole into the east lake, from the east lake into a ditch, and from the ditch into River Des Peres. Water was also pumped from the west lake to reduce hydrostatic pressure on pavements and floor slabs of surrounding buildings, as well as to create a reservoir. Paradoxically, at the height of the flooding around St. Louis, the water level on west lake was the lowest it's been in years, revealing a broad ring of wet green moss.

There was no grumbling or complaining from FE personnel

drainage pipes that normally discharge into River Des Peres. To prevent backup from the overflowing river, pipes had to be sealed off and the water diverted elsewhere. Here it is being discharged into the east lake at South Annex. From east lake the water was pumped into a ditch and from the ditch back into River Des Peres. (Photo by David L. Black)

who gave up their weekend to work 12-hour shifts on the mobilization teams, Maj. Richard A. Bauman, chief of Operations and Maintenance said. "They all had the old 'can do, will do' attitude." The emergency shiftwork continued through the next weekend when the Mississippi crested at St. Louis. Men and women from Roads and Grounds, the Pipefitting and Electric Shops, and Materiel Control were involved.

Evidently remembering the massive sandbagging effort required in 1973, several employees contacted FE to volunteer

their assistance, which happily was not needed. The Directorate of Logistics made its Supply Training Room available as a command post during the weekend before it moved to FE's Entomology Office in Building One.

Pumps were loaned from the St. Louis Fire Department, Army Corps of Engineers, and Jefferson Barracks Air National Guard. The Lambert Air National Guard loaned three portable light sets, and the Veterans Hospital in Jefferson Barracks and Scott AFB Civil Engineers each loaned a tractor.

## Parking Revalidation Underway

Employees at Second Street may obtain applications for reserved parking from the Security Police desk sergeant in the lobby of Building 36. Revalidation and reassignment of reserved parking spaces is necessary, due to forthcoming additions to Building 36 and the extension of A Lot.

The deadline for returning the form is Jan. 14. The new parking assignments will be implemented on or about March 15 and will be distributed with leave and earnings statements prior to implementation.

The revalidation requirements applies to all personnel desiring car pool assigned parking at Second and Arsenal. Key personnel

and severely handicapped employees who presently have an individually assigned space are not required to revalidate their space.

Assigned parking is based on the proper submission of AC Form 5270/HQ-1 (reserved parking control form) and ability to meet the eligibility requirements stated in the letter of instruction accompanying the form.

Persons granted assigned parking must agree to comply with the requirements of AC Regulation 5270.1 covering parking policies and procedures, and they must use the space on a continuing basis.

For additional information, contact the Security Police Division at 4100 or 4220.



## Kudos

### Lopez Chosen Policeman of the Month

Gualberto (Wally) Lopez was selected as Security Policeman of the Month for actions while manning the Main Gate at Second Street. Security officials said Lopez' "alertness resulted in the apprehension of a hit-and-run driver, whose vehicle had collided with the parked vehicle of an Aerospace Center employee, causing extensive damage." A native of Arecibo, Puerto Rico, Lopez served in the U.S. Army Special Forces before coming to the Aerospace Center two years ago. A veteran of 15 combat jumps in Vietnam, he now enjoys skydiving for recreation. He is also studying for his bachelor's degree in aviation technology at Parks College of St. Louis University, where he obtained his private pilot's license last year. Lopez and his wife Mary are parents of a nine-year-old son, Juan Carlos.



### Director Praises Contractor's Support

Romeo Caroletti of OMI Corporation of America, Alexandria, Va., was presented a certificate of achievement by Aerospace Center Director Col. J. W. Small for outstanding contractor support from 1958-1981.

Caroletti was cited for his work in redesigning a stereocomparator to meet DMA's stringent requirements. He is the chief engineer responsible for assembly of the viewer in America.

"Mr. Caroletti worked long hours with DMA and OMI technicians to solve design problems which caused the original TA3/P11 (stereocomparator) to fail acceptance tests," Colonel Small said in a letter to the president of OMI. "He made suggestions, redesigned components, and in many cases, manufactured parts to test his solutions. Without this dedication to craftsmanship and knowledge of optical/mechanical systems, none of the TA3/P11s would have met the technical specifications."

### Father and Son Win Design Contests

Visual information specialist LeRoy White recently won first place in the Enright Neighborhood Association street banner design contest. Banners bearing his design will be hung from light poles in the vicinity of



## Second Chance to See Lunar Eclipse

The second total eclipse of the moon this year will take place in the wee hours of Dec. 30. For many observers, cloud cover spoiled their view of the July 6 lunar eclipse.

Another eclipse, so soon after the last, is unusual. Previously, the Midwest had not seen a total lunar

eclipse when the earth is positioned between the sun and the moon and the plane of the earth's orbit and the moon's orbit are almost identical, causing the earth to cast a shadow on the moon.

Peak viewing time will occur during the umbral phase, from 3:50 and 4:58 a.m., when the shadow of

the earth's shadow on the moon approaches—will begin at 2:52 a.m. During the umbral phase the moon will be at roughly a 50-degree angle to the earth's horizon. Observers should look to the west about half way up the sky.

### Drug Danger Shown

The two most dangerous

## Co-ed Volleyball

### Power League

Team	Won	Lost
Knet Knockers, WGS	15	3
Set-Ups	14	4
Good, Bad and Ugly	11	7
Chief Lou's Mates	10	8
Networks	8	10
Starkey's Machine	8	10
Court Jesters	3	15
D'MAC Attack	3	15

### Recreational League

Team	Won	Lost
Out To Lunch Bunch	15	3
The Wolf Pac	14	4
Zigfield's Volleys	14	4
Land Sharks	11	7
Sugar Daddies	6	12
Num Nets	5	13
Volley Hai	4	14
Widgets	3	15

Following Dad's example, LeRoy's son Darryl recently won a contest to design a logo for Soldan High School. A National Merit Scholarship semi-finalist, Darryl is president of the senior class in the Classical Academy at Soldan.



## Special Presentation

Ed Nolde (right) of the Cartographic Data Division's Production Management Office presents Aerospace Center Director Col. J. W. Small a seal of the Defense Mapping Agency he "speed tufted" with yarn during nonduty hours. The dates mark the decade of the agency's existence. Nolde plans to retire in January, ending a career with the Aerospace Center that began in 1948 at the former Chart Plant on 12th and Delmar. The seal will be hung in the center hallway of the staff section on the sixth floor of Building 36. (Photo by Ed Mullen)

the Satellite Geodesy Branch points out.

Observers have reason to be hopeful this time. "On cool winter nights, you sometimes get some real good seeing," Meyer commented. Atmospheric conditions and city lights also should be less distracting, as the moon's arc does not appear so close to the horizon at this time of year.

A total eclipse of the moon oc-

the moon until totality is reached. Totality will last from 4:58 until 5:59. Then the second umbral phase will occur, from 5:59 to 7:07, as the shadow of the earth on the moon gradually recedes. The moon will be setting at 7:16 and the sun rising at 7:20, so the latter umbra will not be as spectacular.

Incidentally, the penumbral phase, when the moon darkens as the earth's shadow ap-

hol (which is a factor in half of all traffic deaths) and tranquilizers. A recent British medical study revealed that drivers on valium or any other mild tranquilizer are five times more likely to become involved in car crashes than people not taking these drugs.

## ODS Assumes FLIP Foreign Military Sales

Valera Schoen of the Graphic Arts Department recently spent a week in Washington assisting in the transfer of management responsibility for foreign military sales of Flight Information Publications to the DMA Office of Distribution Services.

The Aerospace Center's Flight Information Branch in GA's Finishing and Distribution Division previously handled foreign military sales of FLIPs and will continue to provide automatic distribution to all users.

ODS already handled foreign military sales of most charts, so it was decided that all foreign military sales should be handled in one place, Schoen explained.

Schoen had handled the sales for the Aerospace Center, which involved some 35 different governments and required frequent contact with embassies in Washington. "It was interesting work," she said.

Among the earliest products produced at the Aerospace Center, FLIPs are a series of publications that provide military and civilian users with accurate information for flight planning, enroute travel and flight termination proceedings. The regularly updated series covers all parts of the world.

While FLIPs will continue to be produced at the Aerospace Center, publication of the monthly Aeronautical Bulletin and semiannual Aeronautical Bulletin Digest has been assumed by ODS. The transfer in function is part of the ongoing program to standardize the DMA Catalog.



Valera Schoen (left) of the Aerospace Center's Graphic Arts Department goes over correspondence with Sally Clark of the DMA Office of Distribution Services. Schoen spent a week at ODS assisting in the transfer of foreign military sales of FLIPs to that agency. Clark is a member of the Customer Services and Sales Management Division of ODS' Distribution Operations Department. (ODS photo)