

Orienteor

DEFENSE MAPPING AGENCY AEROSPACE CENTER

Vol. XIX, No. 23

November 25, 1977

Inside

Technology, Top View	3
JA Sales Day	3
Calendar	4
Retirements	4
Puzzle	2





... perception
of beauty and worth.
Help us look at the things
which we see,
That learning the value of
life and its gifts
We'll be evermore grateful
to Thee.

James W. McCoughlin

MEL SWAN

Use It or Lose It

For government employees, December 31 is the "use or lose date" for annual leave this year. Employees with more than 240 accrued hours of "annual" must use the extra hours by the 31st or forfeit them.

Each employee earns so many hours of leave each pay period. How many hours will depend on the number of years an individual has been employed with the federal service.

An employee with less than three years federal service earns four hours of leave each pay period, or 13 days per year.

Those having three but less than 15 years with the government earn six hours of leave each pay period, including 10 hours for the last complete period of the calendar year, for 20 days a year. Workers with 15 or more years of service

earn eight hours each pay period, for 26 days.

Leave should usually be scheduled in advance to allow the supervisor to plan work and effectively use all employees. If an employee loses annual leave because the number of accrued hours exceeds 240, he can, in some cases, request leave be restored.

Whether or not leave will be restored will depend on the reasons the employee was unable to take leave.

Employees with excess leave should keep their supervisors posted. Together, supervisor and employee can help prevent the loss of excess leave.

The ORIENTOR is an official newspaper, published bi-weekly on Friday by and for the personnel of the Defense Mapping Agency Aerospace Center, at St. Louis, Missouri, as authorized by DoD Instruction 5120.4. Opinions expressed herein do not necessarily represent those of the DoD.

Col. James H. St. Clair
Director

David L. Black
Chief, Public Affairs Office
Editor

Bits And Pieces

From the Black book:

We trust that your Thanksgiving Day was one that met with your desires. That the turkey or ham was cooked to your likings; the pumpkin pie had just the right amount of seasoning and that the football game came out in favor of your team. We also trust that you took time out of the hustle and bustle of the day to recall the theme of the day and to do a little Thanksgiving.

October Promotions

The following people have received promotions during the month of October: Richard A. Aschenbrenner, GS-7; Dennis D. Barnes, GS-7; Marianne Bourassa, GS-7; Gary L. Brown, GS-7; Janice M. Brown, GS-4; Monte R. Dumke, GS-7; Sara M. Elliott, GS-11; Roger P. Esneault, GS-7; Lawrence D., Freukes, WL-10; Robin N. Goodrich, GS-7; William J. Harrison, GS-7; Robert D. Hodge, GS-13; William C. James, GS-7; George A. Johannigmeier, GS-7; Gerald W. Johnston, GS-7; Paul B. Morton, GS-15; Geraldine V. Neumann, GS-7; Catherine M. Normille, GS-7; William A. Park, GS-7; Mark W. Schroeder, GS-7; Lorraine T. Beck, GS-7; Mamie S. Brantley, GS-7; Linda M. Carter, GS-7; Judy D. Conway, GS-4; Leona M. Cramer, GS-7; Grover B. Crisp, Jr. GS-12; Dallas R. Leavitt, GS-7; Eloise Reed, GS-4; Billy E. Robinson, GS-12; Harry A. Salomon, WG-11; Betty J. Sturm, GS-7; Ruth Ann Tadrick, GS-4; John E. Unruh, GS-12; Tuell A. White, Jr., GS-12; Charles E. Wolf, GS-11; Robert E. Baker, GS-12; William L. Chamberland, GS-12; Richard L. Gelino, GS-12; Jack H. Johnson, GS-12; David E. Miller, GS-12; Anna M. Wolfrum, GS-12.

Energy Conservation Know Wood Fuels

If you want to know about wood fuels and wood stoves, then Robert Lewis, of the Aerospace Cartography Department, is the man to talk to. Better yet read his latest article on the subject in the November issue of the Missouri Conservationist.

Lewis, who has authored several articles on wildlife and conservation, has put together a very timely article that deals in depth

with the use of wood as a fuel.

Complete with color photographs, the article covers six pages in the award winning magazine.

In the article Lewis provides information on the burning capability of woods found in the state; data regarding styles and types of wood stoves; and discusses how to obtain wood in the national and state forests.

Security Policeman Of the Month

Sam Stowers, SOPB, has been selected as security policeman for the month of October according to security officials.

Stowers is very much respected by his co-workers. Although having announced his retirement at the end of the year, his performance has continued at a very high level. His supervisors have been so impressed by his October performance that they singled him from among his peers as security policeman of the month.

Stowers served in the Army from December 1942 to November 1944 and has been at DMAAC the past 21 years.



CROSTIC #1

Courtesy QUALITY CROSSWORD PUZZLES, Copyright 1977, Quinn Publishing Co., Inc.

J. Below

Clue: Bearing the Bull

U
114 125 34 101 91 15 28 8 59 70

Now that this holiday has swept past we can turn our attention to the next big one. Of course, if you have children they have probably already called your attention to it. Mine have been looking at the wish books ever since they came in September. By the time Christmas gets here all the type will be worn off the pages.

Our cover for this issue is the work of Mel Swan in the Graphics Design shop. We of the Orientor staff feel so fortunate to have the talent of Mel and all the others of Graphics support us throughout the year. Sometimes our calls for help are late and response must be rapid but they haven't let us down yet and for that we're most thankful.

dlb . . .

Nikrant Party

A retirement luncheon is being planned for long time Center employee Ray Nikrant on December 15, according to information received from the PRP planners.

The luncheon will be held in the Game Room of the Chip and Plank, 1407 Hampton, beginning at 11:30 a.m.

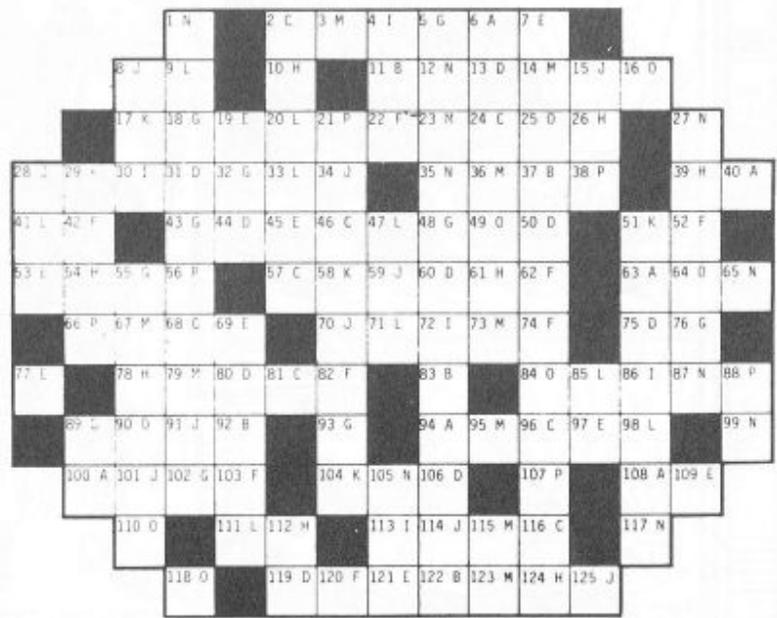
Price is \$4.25 for roast beef or fried chicken. Tickets may be purchased from Ruth Walters, and Ken Whitfield at 4231, or Art Mueller, 4525.

Clue: Bearing the Bull

CROSTICS ARE ESPECIALLY fun because of the amusing quotation each one reveals. First solve the definitions. Then transfer each letter to the correspondingly numbered square in the diagram. As the quote is revealed you can guess enough to work back and forth on any troublesome definitions. A helpful clue appears atop each Crostic and initial letters of each definition spell out the author and source of the quote.

DEFINITIONS	WORDS
A. Gay, excited commotion	H — — — — — 100 40 6 94 108 63
B. Cognizant	A — — — — — 83 122 37 11 92
C. Accurate imitation (comp. wd.)	L — — — — — 57 96 2 81 116 24 68 46
D. Squawroot	B — — — — — 119 60 80 13 89 106 31 75 44 50
E. Fading from fashion (3 wds.)	O — — — — — 109 19 121 53 45 7 77 97 69
F. Last evening (Scot.)	Y — — — — — 62 52 74 42 82 103 120 22
G. Unscrupulous moneylender	L — — — — — 5 18 55 76 43 48 93 102 32
H. Covers with fire (var.)	E — — — — — 124 26 112 61 10 39 54 78
I. A dip net	B — — — — — 113 72 30 86 4

K. South American parrot	M — — — — — 29 58 17 104 51
L. Under the breath (2 wds., L.)	S — — — — — 41 85 9 98 71 20 111 47 33
M. Obey completely (3 wds.)	T — — — — — 79 95 123 23 36 3 115 67 73 14
N. Fete	E — — — — — 12 87 35 65 27 99 1 117 105
O. Transshipment	E — — — — — 90 118 110 64 49 84 25 16
P. Baby's toy	R — — — — — 56 107 38 88 66 21



Product Sales Day December 8

Dimensions Unlimited, The Uprisers, Starlight Six, and Oddesy. Familiar names, right? Then you're probably one of the approximately 300 AC'ers who own stock in one or more of these Junior Achievement companies. If these names don't ring a bell, then please don't bypass a second opportunity to learn about JA and support your agency sponsored companies.

Sales representatives from each of these companies will be available December 8 from 9:00 a.m. to 12:30 p.m. in Building 36 on the 1st Floor and in the cafeteria at

8900 South Broadway.

The following products will be available for purchase: trivet (server for hot or cold dishes), embossed matches, grocery pads, piggy banks, wall plaques, five-minute timers, statues, and lamps. (Items will be on display in Building 36).

Employee support has facilitated the achievers skill development in the capitalization and manufacturing arenas and continued support on December 8 will further their understanding of the business world.



Some of the products that the Junior Achievement companies will produce are: (top left) trivet; an hour glass minute timer and decorative trays for use as candy dishes, ash trays, etc. Another product not pictured but in great demand is the embossed matches.

AGU-ACSM Meeting

The American Geophysical Union and the American Congress of Surveying and Mapping are co-sponsoring a technical society meeting at St. Louis University November 29.

The program will feature Dr. S. Vincenz, Professor of Geophysics at St. Louis U. His topic will be "Paleo-Magic of the Caribbean Plate Tectonics or How to Drink Rum and Coconut Water and Come to a Conclusion."

The meeting will be held in the United States Room of Busch Memorial Center at 20 North Grand. Social hour begins at 4:30 p.m. with the dinner-program at 5:45. Tickets for the roast beef dinner are \$5.00 and are available

Secretary Martin Talks Of Improved Technology

Assistant Secretary of the Air Force for Research Development and Logistics, Dr. John J. Martin, told more than 300 members of the Spirit of St. Louis and Scott Memorial Chapters of the Air Force Association that prudent technology transfer can provide greater security for America and its allies.

Speaking to the joint meeting of the two organizations the Secretary spoke on new aspects of technology, including technology transfer between the U.S. and its allies.

"...technology transfer can lead to the attainment of the standardization, interoperability, and cooperation that would enhance our joint military capability, and thus our common security," said Dr. Martin.

"In the past, too little disclosure has often led to a one-way flow of weapon systems from the U.S. to

in the area of new technology Dr. Martin spoke to several major programs. "We are on the verge of being able to bring into our inventory aircraft and missiles that incorporate composite materials that are able to alter their shapes under flight loads. These progressive alterations would tailor the vehicles' shape and flight characteristics to both velocity and maneuvers.

"Along these same lines, we look forward to powerplants that also literally reconfigure themselves as speeds and loads change, dramatically improving the engines' responsiveness, performance and efficiency.

"We look forward to the revolutionary flight dynamics impact that will follow from our ability to apply dramatically new approaches to in-flight maneuvers. Using emerging technology, we will be able to change a vehicle's



NATO, and of European cash to the U.S. These... looking... and...

position in flight without the traditional banks and turns. We

Average Gift High At KCO As CFC Final Returns Tallied

The Aerospace Cartography Department's Kansas City Office completed its Combined Federal Campaign with an unprecedented average gift of \$69.65.

Ed Alexander served as the KCO project officer with support from Huey Hervey, Mariane Zumbrum, Eleanor Kidd, Geraldine Pace, Gale Godfrey, Susan Myers, Joe Monahan, Mary Quiroz, Kevin Fisher, Frank Minzey, Carol

Christopher, and Gerald Congrove.

Jack Harris, chief of the Office, served as captain of the CFC Team 19 in the Kansas City area. The team was responsible for the activities of the Kansas City Office and five other Federal agencies. Harris' team accounts were responsible for adding \$13,200 to the Combined Federal Campaign in the Kansas City area.

Correction

Last issue of the *Orienteer* incorrectly identified the three thirty year pictures on page three. The photos and names should have been as indicated below.





Allen

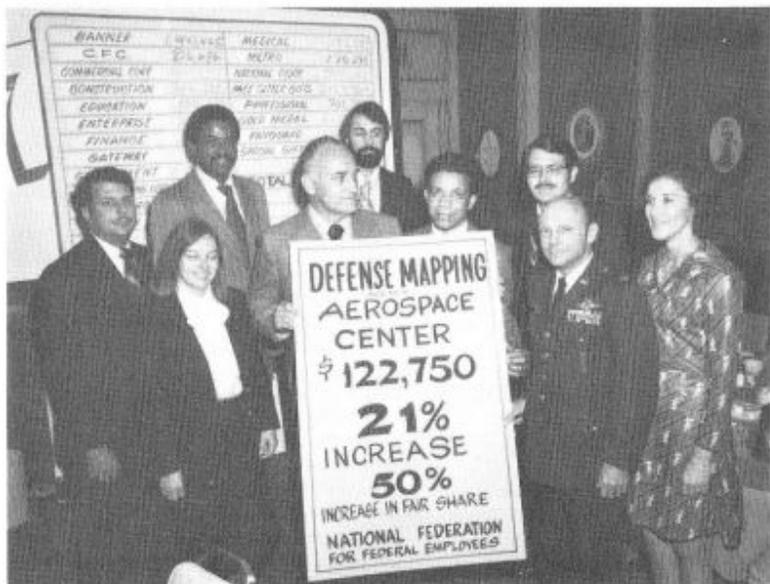


Heminghaus



Kean

Proud Charters Show Community



Senior executives in the Aerospace Center Combined Federal Campaign display their proud dollar figures to the final United Way campaign report luncheon audience. The actual totals for this year's campaign did even better. Project officer John Flaherty reports a total gift of \$123,061. That represented 110 percent of the Center goal and a 21 percent increase over the 1976 gift. Fair share giving was increased to 281 from last year's 119.

5:45. Tickets for the roast beer dinner are \$5.00 and are available from Al West, 4866, (ACCCB); Lou Greco, 4328, (GDGGA).

Toastmasters Elect Officers

The Aerospace Center chapter of the Toastmasters International recently elected new officers to begin terms in January 1978.

Named President was Maj. Phillip Wilder; Educational Vice President—Lt. Cmdr. Tom Fraim; Administrative Vice President—Mary Mihaljevic; Secretary—Al West; Treasurer—Flora Unterreiner and Sergeant of Arms—Hiram Lloyd.

The chapter was chartered in March of this year and has an enrollment of 40 members.

Meetings are held the first and third Thursday of each month in the Lindbergh Room.

New officers will work with outgoing officers during December as part of transition training and will assume full duties in January.

**DMAAC
WOMEN'S CLUB
CHRISTMAS BAZAAR
Thursday, Dec. 1, 1977
8:00 a.m.-1:00 p.m.
2nd & Arsenal -
South Annex**

NATO, and of European cash to the U.S. Thus, lacking adequate technical information to do otherwise, NATO nations have virtually been compelled to develop domestic solutions for their military requirements. In many cases, those solutions have been neither standard, nor interoperable, nor cost-effective, nor strengthening to the alliance. Furthermore, such a reaction becomes a process that feeds on itself, potentially separating the Allies by even less commonality and interoperability."

The Secretary was quick to point out that what can be lost through prudent technology transfer is the very security that technology transfer seeks to enhance.

"In the past, we have not always had the information necessary to confidently evaluate these issues. That is changing. We are seeing an evolution in which better information is being provided by the intelligence community, with that information being used more effectively. Thus, we are becoming more systematic and more confident in our decisions, and the process by which those decisions are being made is becoming part of our staff routines.

"To me, that represents progress. I have been interested in the issue of technology transfer for some time, and tend to side with those who see the potential gains as being so great that in most cases they warrant the acceptance of a prudent risk in sharing our 'know-how' with our allies."

position in flight without the traditional banks and turns. We will be able to shift up or down, side-to-side using VIF techniques, that is, 'thrust vectoring in forward flight.' Some of this technology is already apparent on the British-built vertical take-off and landing Harrier aircraft. But the Harrier is only the beginning. We will use fly by wire, advanced control surfaces, and digital electronics to effect and program maneuvers on what we call the 'edge of instability.' By so doing we will attain the capability to make mid-air position changes which will confuse and degrade hostile defenses.

"We also look forward to electronic wizardry that will permit us to monitor and influence these in-flight changes, and that will permit us to do a great deal more.

"The Digital Avionics Information System will in essence permit us to feed all performances and flight data into an aircraft's or missile's central digital system, giving the pilot or controller a comprehensive picture of what the vehicle is doing.

"In another electronics area, we are on the verge of deploying navigational equipment—notably the NAVSTAR Global Positioning System satellites and ancillary gear—that will give us and our allies the ability to determine the position of our aircraft in 3 dimensions to within 5 to 10 meters . . . anywhere in the world."

The meeting was held at the Marriott Airport Inn and was hosted by the Spirit of St. Louis Chapter of the Air Force Association.

Having a TV Star For A Daughter Makes For Pleasant Viewing

... The lights are dim, the TV screen bright; occasional sounds of laughter erupt as excited faces catch every movement on the screen ...

Does that sound like a typical family night of watching their favorite show on the tube? Probably so, but if you're the Singleton Harris family the watching may be something special.

Harris, a photographer in PDLA, is one up on a lot of us. When he watches his favorite programs many times he's watching his daughter, Sylvia Anderson.

Sylvia, who worked at the Center base cafeteria for about a year and one half while attending Florissant Valley Junior College, is now in Los Angeles and is doing a number of feature parts on national television shows.

She went to Los Angeles to start a career as a model and while working studied acting and joined the Screen Actors Guild. From a beginning with "walk on" parts

she has progressed to "talking" parts and has been featured in several programs and films.

Sylvia's credits include roles in "Truck Turner," "Uptown Saturday Night," the "Shaft" series, a TV special "Herb Alpert and the Tijuana Brass," "The Psychic" in the Starsky and Hutch series, "Lamar Plans to Get Married" in the Sanford and Son series, "Record City" a comedy coming up soon, "Ebony, Ivory and Jade," and "Lanigan's Rabbi." She is presently under contract for a role in the "Chips" highway patrol series.



Sylvia Anderson (center) as she appeared in an episode of the Sanford and Son TV series. Sylvia is the daughter of Aerospace Center photographer, Singleton Harris. The show was titled, "Lamar Plans to Get Married."

U. of Wisconsin Students Tour Center For Career Info



RETIREMENTS FOR FALL

KENNETH J. SCHLARMAN, ADDLR, retired on October 7 with 23-1/2 years Federal service.

He served in the Navy from November 1933 through November 1937 where he began a professional interest in radio navigation while operating a direction finding station on board ships in the Pacific Fleet.

His civilian career began June 1940 with the Civil Aeronautics Authority. In 1944-45 he was overseas with CAA in Brazil and other aerodomes in South America. He transferred from CAA to DMAAC in 1955 and was assigned to the Aeronautical Information Department. He left in December 1956 to go into private

ographer.

HELEN E. WHEELER, SDDL, Cartographic Clerk retired October 28 with 13 years total Federal service.

She worked as a postal clerk at Christmas time for several years and two years of temporary work for IRS before she came to the Center in the spring of 1964 as a temporary clerk.

"That was the smartest thing I ever did," said Mrs. Wheeler. The people that I have worked for and with have been the most helpful and understanding people that I have ever come in contact with. I will always have fond memories of friends and years at DMAAC. It will be a sad day when I say

Price Change

The price of the Aero Info Christmas Party has been changed to \$11.25, a 25 cent increase over the price reported in the last issue of the *Orienteer* and in other advance information.

Creighton Cited For LE Duties

Ladorn Creighton was recently recognized by the Director for his efforts as a Loaned Executive in the East-West Gateway Combined Federal Campaign.

"My commendation is not only for your superb efforts in helping this Center exceed its goals," wrote the Director, "but for your excellent record in your other Combined Federal Campaign accounts. You can be extremely proud of the accomplishment of exceeding your ambitious goal of over \$160,000."

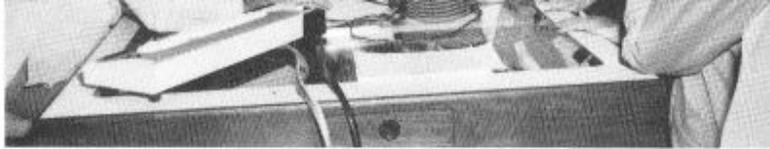
Creighton is employed in the Aerospace Cartography Department.

retired effective October 21 with 24-1/2 years total Federal Service.

During his military service with the Army he was a cook. Next he was a clerk in Base Supply. As a civilian he worked at the Veterans Administration Hospital preparing special diets for the patients. Clay came to DMAAC June 2, 1952 and was placed in Base Supply as a warehouseman clerk. He later became Branch Store Manager and lift operator. His last assignment was as a warehouseman.

Retirements effected, for which no information was received by the *Orienteer*, include:

MITCHELL C. COMPTON,



Operation of the Lineal Input System is explained to a group of University of Wisconsin-Platteville students during a tour of the Center. Operating the cursor is Dale Indergaard, an employee of the Aerospace Cartography Department. Most of the students were at the junior level and were majoring in geography. They were accompanied to the Center by Professor Charles Collins of the Department of Geosciences.

Women's Club News

The DMAAC Women's Club held their Fall Rummage Sale October 21st collecting \$152.44. The remaining unsold items were given to St. Matthews Church on Sarah.

Instead of a luncheon in November, an evening social entitled "A Fair to Remember" was held at the DMAAC Dining Hall on Friday November 11th.

The Club's plans for December include a Christmas Bazaar on Thursday December 1st from 8 to 1, at 2nd and Arsenal on the first floor of Bldg. 36 and in the Cafeteria at 8900 South Broadway. The bazaar features handmade articles and baked goods.

A Christmas luncheon is planned for Thursday, December 8 at Schneithorst's Bavarian Room, Clayton and Lindbergh. A program

of Christmas music will be performed by the River-Blenders. Anyone wishing to attend may call Mrs. Lawrence Ayers at 878-1096 for reservations.

ANSWERS TO CROSTIC

WORDS: A-HOOPLA, B-AWARE, C-LIFE-LIKE, D-BEECHROPS, E-ON THE WANE, F-YESTREEN, G-LOANSHARK, H-ENFLAMES, I-BRAIL, J-UNDERNEATH, K-MA, L-SOTTO VOCE, M-THE LINE, N-ENTERTAIN, O-ENTREPOT, P-RATTLE

—Hal Boyle
Bum Steer

1. A fellow at a recent convention remarked that most speeches we hear lately are like horns on a steer—a point here, a point there and a lot of bull in between.

December 1956 to go into private industry and in Jun 1974 retired from McDonnell-Douglas Corp. after seventeen years service.

He returned to DMAAC in September 1974 and the Aeronautical Information Department retiring from there as an aeronautical information specialist.

"This was an ideal culmination of 40 years of aeronautical information experience, (19 years Civil Service, 4 years military service and 17 years private industry)," said Schlarman.

"Federal civil service is by far the most rewarding of career opportunities this country has to offer. There are numerous education advantages presented along the way to advancement, and career employees enjoy credits for experience, something you can't buy.

"Retirement plans," he says, "include seasonal projects like fishing, remodeling the home and a weekend cottage, reading on rainy days and hobbies like talking to the world on amateur radio, and electronic kit building.

WILBUR J. GRISBECK, PPGG, retired on October 14th, his 30th anniversary, with 26 years, 5 months service at DMAAC.

He served in the Army Air Corps as a pilot and operations officer from March 1942 to September 1945.

He came to the Aerospace Center in 1951 as a cartographic photo aid. He later advanced through the ranks to compilation aid, cartographer, and supervisory car-

will be a sad day when I say goodbye.

"For the first winter of my retirement I want to just look out of my window and enjoy the bad weather. But comes the spring, I will do volunteer work, travel, and lend a helping hand when and if I am needed.

"God bless all of you at DMAAC."

ALBERT T. CLAY, LOSM,

MITCHELL C. COMPTON, ACNR, retired September 9th, his 35th anniversary. He was a cartographic clerk and had been at DMAAC the past 23 years, 4 months.

CLARENCE E. WARD, ADDEA, also retired on September 9th, with 28 years, 6 months total Federal service. He was an aero info specialist and had been at DMAAC the past 21 years, 4 months.

Calendar Of Events

December

DEC	EVENT	WHERE	INFO
1	DMAAC Women's Club Christmas Bazaar	2nd & Arsenal South Annex	8 a.m. to 1 p.m.
1	Association of Litho Clubs	Salad Bowl	V. Wojcicki/4713
1	Toastmasters	Lindbergh Room	
3	SD Photo Lab Christmas Party	Towne Hall - North	
8	Jr. Achievers Sales Day	2nd & Arsenal South Annex	B. Jamerison/8426
8	DMAAC Women's Club Luncheon	Schneithorst's Hofamberg Inn	Mrs. L. Ayers/878-1096
10	AD Christmas Party	Viking Restaurant	
13	FBA Lunch & Meeting	Carpenter's Hall	D. Black/4142
15	Toastmasters	Lindbergh Room	
15	ION Meeting	Officers Club	J. Schweitzer/8494
16	Bloodmobile	Lambert Field Bldg. 25	J. Brown/4218
20	BAG Meeting	2nd Street	
25	CHRISTMAS	5th Fl. Conf. Rm.	L. Williams/4424
26	HOLIDAY		
27	NFFE Local 1827	6th Fl. Conf. Rm.	V. Haun/4866

Contact Marge Wisneski/4142 to have your January events listed.