

Orienteer

DEFENSE MAPPING AGENCY AEROSPACE CENTER

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Charles Andregg Receives Top DoD Civilian Service Award

Charles H. Andregg, Deputy Director for Management and Technology and the senior civilian in the Defense Mapping Agency, received the Department of Defense Civilian Service Award in a colorful ceremony on July 13, 1977, in the Pentagon auditorium.

Andregg was presented by Vice Admiral Shannon D. Cramer, Jr., DMA Director, to the Honorable Charles E. Duncan, Jr., Deputy Secretary of Defense, for the award, the highest given to a civilian in DoD.

A mapping, charting and geodesy (MC&G) expert widely known throughout the world for his achievements, Andregg has given 35 years of exemplary service in his field.

He was cited for highly significant achievements in MC&G not only within DoD but also for his contributions in the international arena for his leadership in bringing about improved cooperation among U.S. federal agencies.

As one of the original members of DMA when it was started in 1972, Andregg had a hand in shaping the Agency which today is recognized for its vital part in every weapon system and its indispensable contributions to the safety and efficiency of the U.S. Merchant Marine, as well as



Deputy Secretary of Defense Charles W. Duncan, Jr., (right) presents the Department of Defense Distinguished Civilian Service Award to Charles H. Andregg, Deputy Director for Management and Technology, Defense Mapping Agency.

of \$42 million over a three-year period have been realized by DMA as a result of superior management advancements.

The top DMA civilian was also commended for the close cooperation with other federal agencies DMA has achieved, preventing duplication of effort and bringing about a high degree of technology exchange.

professional associations established by Andregg with MC&G officials in other nations.

Andregg currently is serving as the U.S. member to the Pan American Institute of Geography and History and the International Federation of Surveyors and has participated in numerous regional and international meetings in behalf of the United States

Cruise Missile Emphasis Important To Center

The President's decision to discontinue production of the B-1 and to begin deployment of cruise missiles will have favorable impact on the programs of the Defense Mapping Agency and the Aerospace Center.

The Aerospace Center has been involved with the production of digital data that will support the navigation system of the cruise missile. As added emphasis has been placed on the cruise missile program by the decision, increased data requirements will be forthcoming for the necessary digital data.

According to Secretary of Defense Harold Brown, when speaking before a press conference at the Pentagon, "...I concluded that on the basis of new design features resulting from progress in cruise missile technology and in the light of proven test results, the assurance of successful operation of the cruise missile against future Soviet defenses is now very high. I further concluded that on balance, although either the B-1 or the combination of cruise missiles with B-52's or other aircraft would be

effective, the cruise missile options offer more certainty of high effectiveness. Each such aircraft can launch many missiles, with great accuracy, at different targets in the Soviet Union, from a distance of many hundreds of miles."

He added, "Moreover, the cruise missile option is less expensive. Putting cruise missiles on B-52 launching platforms can take place as early as the beginning of the 1980's—the same time frame as had been planned for the B-1 deployment."

The people of the Aerospace Center have been involved with the production of data to support the test phase of the cruise missile for the past several years. Now they are turning their attention to the development of plans for the operational support of the cruise missile program based on the requirements identified by the military services.

Implementation of the operational phase of the cruise missile program is subject to Congressional approval and funding.

FEW Chapter Awards To Center Employees

The Arsenal '76 Chapter of Federally Employed Women has presented three major awards and one special award recognizing the work of employees at the Aerospace Center in furthering the women's program.

Recipient of the "Arsenal '76 Finest" award was Mary Mihaljevic. The award is given annually to a FEW member who must daily live and strive for the goals stated in the Arsenal '76 charter.

merchant marine, as well as mariners of all nations on all the world oceans.

In presenting Andregg, Admiral Cramer noted that Andregg had been responsible for the DMA Effectiveness/Productivity Program affecting every facet of the DMA operation. Validated savings

To a considerable extent, the fine relationships this nation has with many of the Latin American countries can be attributed to the efforts of DMA, particularly through its Inter American Geodetic Survey headquartered in the Panama Canal Zone, and the

technology exchange. In behalf of the United States Government in Europe, Asia, and Latin America. He has played significant parts in meetings of the NATO, SEATO and CENTO countries and has managed programs involving exchange agreements that DMA has with 55 nations.

Mary, a charter member and editor of **FEW Choice Words**, has taken an active part in promoting equality. She and her husband George have worked actively for the Equal Rights Amendment. Mary also helped organize both the Family Care Center of Carondelet and the Carondelet Montessori School.

The "Person of the Year" award was won by Mae Herberger after extremely close competition with Captain Herbert Drezins and Richard W. Laverty.

The award is presented to the person who is most readily identifiable in examples of promotion, job assignments, treatment and opportunities for the advancement of women.

Mae Herberger, a GS-7 supervisor and a 23 year employee of the Center won the award. All three finalists were within five votes of each other.

Mae was nominated by Barbara Jaeger, who described her former supervisor as one who promoted effectiveness and encouraged employees to take self-development courses, nominated many for performance awards,

and was very patient in training the people herself. She takes time out to listen and find out about a problem, said the nominator.

Captain Drezins was honored because of his empathy and consideration. Richard Laverty was cited for his work on the Upward Mobility program.

The "President's Award" was presented to Paul Morton. The award is not necessarily given each year because the kind of substantive evidence and documentation may not always be available and there may not be an individual to warrant the award.

Morton received the award for spending 50% of his advisory time and counseling efforts on DMAAC women. When complimented on his efforts, Morton shrugged and said, "That is just the job of a supervisor."

A special "Apple of Our Eye" award was presented to Col James St. Clair for his efforts in sponsoring the Arsenal '76 chapter. The award was a framed citation signed by Mae Walterhouse, President of Federally Employed Women, for a successful year promoting equal opportunity.

Energy Conservation Measures Benefit Center Program

In June of this year the President stated, "The cornerstone of our policy (National Energy Policy) is to reduce demand through conservation." In keeping with that concept, temperatures in air conditioned Federal buildings have been set between 78-80 degrees where equipment and other considerations will allow.

In the Department of Defense supervisors were encouraged to allow Defense civilian employees to adopt more comfortable dress during the May through September period, which encompasses the summer uniform code for military personnel. Elimination of coats and ties, when not required by the nature of the duties being performed, was considered in keeping with the spirit of the energy conservation program.

At the Aerospace Center the effect of the Presidential directive was evident in the energy savings figures for the period of July 1976 through June 1977 when compared to the previous year. The electrical

energy conservation program resulted in a savings of 675,000 kilowatt hours when compared to the previous year's time period. In dollar savings this amounts to \$16,875. Members of the Facilities Engineering Directorate, who monitor the program, pointed out that this savings was accomplished in spite of a 17 percent increase in the temperature during the spring and summer months of 1977.

Reasons cited for the savings were: adherence to the DMA directives emphasizing the need to maintain temperatures between 78

and 80 degrees F in air conditioned areas; reductions in corridor lighting through the use of phantom fluorescent tubes; reduction in the temperature of hot water supplied to the rest rooms; reduction in air conditioning used for humidity control during the heating season; and installation of new fiberglass chill water piping in Building 36.

The cooperative effort by all employees in accepting the new temperature levels and watchful eyes in turning off unused lighting were also factors cited in the conservation program.

WASTE NOT

LIGHT



MATERIEL



HEAT



Inside

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Editorial

What You Do - Others View

The old adage, "monkey see—monkey do" we've heard for a long time. Even though it carried most of its weight during our youthful days the message still applies to the actions we take in our daily activities as adults. The things we do as part of our jobs, our home life, our community service are observed by many, from young children to senior citizens, and from the observations opinions of us, individually and collectively as Federal Employees, are drawn. From the observations others also draw the conclusion that what we do they can do, whether or not it is a correct action.

A case in point is the observance of a simple rule—No Smoking. This type of sign can be found in several areas of the Aerospace Center where fire danger exists. Most prominent among the areas, and unfortunately most ignored, are the elevators.

Elevators and the elevator shafts are some of the most highly combustible areas in the buildings should gaseous leaks develop. The elevator shaft acts as a chimney, drawing the gas to it and then channeling it upward in a condensed form. The slightest contact with an igniter, such as a cigar or cigarette, when the shaft is filled with the combustible material could cause a literal "roaring inferno."

Visitors to the Center who see regular employees ignore the warning signs and enter elevators with lighted smoking materials or smoking in no smoking areas assume that they also can ignore the signs.

Remember: What you do—others view!

Ceremonies For Three Departing Officers

Special ceremonies were held recently for three military officers scheduled to depart the Center during July. They were: Major Russell Hagberg, Major Michael Kirila and Major Thomas Crawford.

The ceremonies, conducted by DMAAC Director, Col. James St. Clair, included presentations of plaques and portrait sketches to

Directorate. His new assignment will be with the U.S. Army Materiel Management Center, Zweibrücken, Germany.

Major Crawford was also assigned to the Plans, Requirements and Technology Directorate since 1974 as a staff officer. His new assignment will be with AFIT at Lowry AFB, CO, for a short training period and then

Bits And Pieces

From the Black book:

Vacation is over for me and now it's back to the old routine. My thanks to Mary Hamm of the Graphics Design shop for assisting with the layout of a couple of issues while I was gone. I don't know whether working over here had anything to do with it, but I noticed she had to take a vacation right after the Orientor session. It'll do it to you some time Mary.

-0-

The only bad thing about vacation is that when you get back everything at home still has to be done. When I left dry weather was upon us so I didn't mow the lawn. While I was gone it rained almost every day for a week and when I got back the grass was up to my knees, well maybe not quite that high, but it was high enough to labor the lawn mower. And the weeds in the flower beds had taken the vacation as a sign of friendship and grown twice as much.

-0-

We wound up visiting the Johnson Manned Space Center in Houston for vacation and that really was great from the viewpoint of the entire family. With the assistance of Joe McKinney, DMAAC's man in Houston, and the Public Affairs people of NASA we got to see all aspects of the Center and take part in the space shuttle fly. For a ten year old boy like mine that was really a thrill, of course his Dad didn't object either.

dib...

Retiree Publishes

Raoul Hangge, a recent retiree from the Aerospace Center's Press

AC Party Plans Progress

Come join in the fun at AC's fall barbeque, September 9, 1977, on DMAAC's parade ground. Activities will include volleyball, horseshoes, frisbees, tug-o-war. Show us your skills. The price of tickets is \$6.00 each.

For further ticket information contact Al West (ACPA) 4436; Doug Brown (ACAAB) 4525; Harry Lemakis (ACANC) 4165; Earl Phillips (ACCP) 4893; Barb Savalick (ACCBC) 4723; Fred Hodes (ACIBC) 4513; Lee McCrummen (ACIAA) 4794; John Itschner (ACMP) 4215; Cleveland Mooney (ACMAB) 4443; Hernando Florentino (ACNAB) 4015; and Donald Agne (ACNDB) 4386.

Who's Who

Who's Who in American High Schools, an organization which honors high school juniors and seniors for outstanding achievements, recently accepted Heidi Meister, daughter of Fred Meister, SDRP, into membership.

She was selected for her high academic performance and involvement in School related activities. Her name and activities will be listed in the June 3, 1977 published 1976-77 volume of "Who's Who."

Old Saw Still Goes



When President Carter asked the Nation to "bite the bullet" in facing up to the energy shortage, he was borrowing not from the land of the quick draw, but from the land of the stiff upper lip. The expression was used by British military surgeons in the days before battlefield painkillers during the last century. Kipling wrote in "The Light that Failed" in 1891: "Bite on the bullet, old man, and don't let them think you're afraid."

Today, Americans are being asked to wage an all-out war against energy waste in their work, home and recreational activities.

Sufficient energy resources are vital to the health of our country's economy and to the security of our Nation. Thus, every American—young and old—must "bite the bullet" now to ensure a future free from fear, and free from the threat of inadequate energy.

Try Your Skill



Crossword 1

chance 25. Always

plaques and portrait sketches to the officers and flowers to the wives.

Major Hagberg, who had been chief of the Center's Security Office since August 1974, departed for duty with the Foreign Technology Division, Wright-Patterson AFB, Ohio.

Army Major Kirila had been with the Center since May 1974 assigned to the Plans, Requirements and Technology

ENERGY TIP

An energy saver when cooking with an electric range—though most people don't know it, it is more economical to cook in the oven than on the surface units. Most surface units stay on constantly, while the oven, because of its insulation and thermostat, is actually on only about one-third of the time while in use. In addition the oven will heat up the kitchen area less than the surface units.

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Col. James H. St. Clair
Director
David L. Black
Chief, Public Affairs Office
Editor

a short training period and then duty at McDonnell Douglas Corp. in St. Louis.

Departing prior to the start of summer was Captain Stephen Pedone who had been with DMAAC since February 1973. He took up new duties with the MC&G office at the Pentagon supporting the Air Staff.

from the Aerospace Center's Press Room, has published a novel dealing with his experiences during World War II.

Titled, "Unleash the Dogs of War," the book deals with the true life saga of World War II's Pacific Battles. It covers a two year period in the author's life.

IAGS Employee Completes Training



Larry Goldstein (right) from the DMA IAGS accepts his certificate of training from Stanley Hanson of the Aerospace Center. Goldstein recently completed the Center's Transfer of Automated Technology course. The course was made available to IAGS employees after discussions between officials of this Center and officials of IAGS. Goldstein was the first of eight planned IAGS attendees.

Crossword I

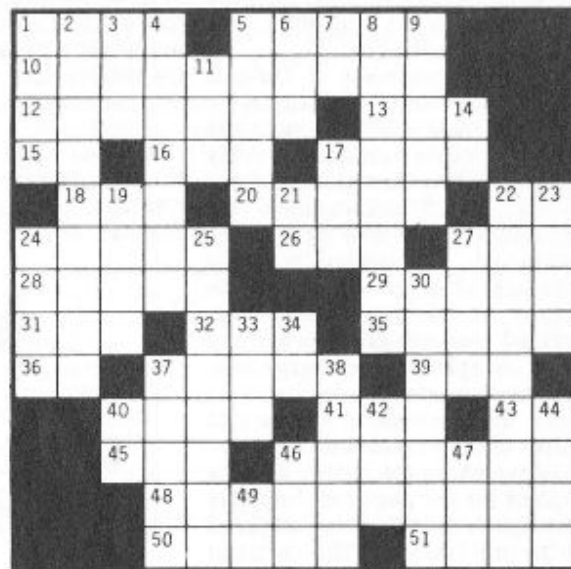
Courtesy QUALITY CROSSWORD PUZZLES, Copyright 1977, Quinn Publishing Co., Inc.

ACROSS

1. Greek god
5. French river
10. *Blackboard Jungle* author (2 wds.)
12. To detour
13. Theater sign
15. Atop
16. Tiny
17. Gush
18. A parent
20. Horse
22. Gym class (abbr.)
24. Female
26. And so on (L., abbr.)
27. _____ *Mike*
28. Silly
29. Part of bride's dress
31. For each
32. Compete
35. Perceive
36. Somewhat (suff.)
37. Precedes mechanism or motor
39. _____ *Paulo*
40. Pup's cry
41. Govern-

DOWN

3. Sadat's land (abbr.)
4. *Frosty, the*
5. Lyres
6. United
7. A thing
8. Honors
9. Went awry
11. Color
14. Ouch!
17. Collection
19. Actor
21. Tellurium (chem.)
22. Captives
23. Anglo-Saxon slave
24. Rub dry
25. Always good (2 wds.)
27. Polynesian supernatural force
30. Saver
33. Annoy
34. Little Evelyn
37. Sword (Br.)
38. Fertile spot
40. Exist
42. Time zone (abbr.)
44. Formerly (arch.)
46. Mr. Lincoln
47. Scottish explorer
49. Two (pref.)



Summer Retirements End Lengthy Careers

ERNEST M. SCHAEFER'S disability retirement was effected on June 14th. He spent three years in the Coast Guard Air Sea Rescue with two of those years assigned to the Naval Air Station at San Juan, P.R.

From the Coast Guard he came to DMAAC in October 1954. He was assigned to the Printing & Distribution Department as a platemaker.

"I plan to enjoy Missouri's foothills and sunshine and do the best I can to raise my children," said Schaefer.

FREDERICK A. MUNDER, ADDN, reached the 30 year mark on June 3rd and retired on June 30th.

He was drafted in June 1941 and assigned to the Army Air Corps as a semi-skilled airplane mechanic. He entered the Aviation Cadet Training Program and was commissioned in May 1943 as a single engine fighter pilot. He flew combat missions in the European Theatre of Operations during WWII. He joined the Missouri Air National Guard (MOANG) at Lambert Field in 1946 and was recalled to active duty with the unit during 1951 for the Korean War. He became active in the MOANG upon release from active duty in 1953 and retired as a colonel in 1961 with over 20 years of creditable service.

He joined DMAAC in 1954 and was assigned to the Aeronautical Information Division as an analyst in the Publications Branch. He was reassigned to the Requirements Division, Directorate of Operations in November 1961. He was reassigned back to the Aeronautical Information Department in September as a supervisory aero information specialist.

has been chief of the Production Division of the Aeronautical Information Department.

Funk added, "During a good part of my career with this Center I had a parallel career with the Air National Guard, joining the 110th Fighter Squadron as a charter member upon reactivation after WW II. I served at Squadron, Group, Wing and State level in the MOANG retiring as a colonel in November 1968. Many of the products I helped produce I used in my reserve flying career.

"My tour with the Center has been interesting and generally rewarding. I will miss my many friends and co-workers. I plan to devote more time to travel, fishing, hunting, golf and tennis. I am sure there will be a long list of 'honey do's' that will fill my days around the house."

HAROLD P. KEATON, ACMDB, retired on July 1, lacking three months for 31 years total Federal service.

He was inducted into the Army Air Corps in February 1942 and served with the North Atlantic Wing of the Air Transport Command as an aerial engineer until his discharge in November 1945.

He worked at the Post Office for six months prior to joining the Aeronautical Chart Plant at 12th and Delmar on January 1, 1951. He was assigned to the Cartography Division as a cartographic draftsman. He has occupied positions as a draftsman, compiler, editor, supervisor and production control engineer in the Cartography, Photogrammetry and Missile Support Divisions. He was a Cartographer (Photogrammetry) in the Aerospace Cartography Department, Photogrammetric Data Division at time of

joyment will be getting rid of one of life's greatest irritations and frustrations, 'the alarm clock,'" said Keaton.

JOSEPH M. BOSICH, ACANB, reached the 30 year mark on July 20th and retired on July 29th, with all but his military service at this Center.

He served in the Army from February 1942 to November 1945 with over three years overseas duty. He was assigned to Hq Company, 807th Aviation Engineers Battalion participating in the North and South Pacific Campaigns. Prior to discharge he was assigned to Hickam Field, Hawaii.

He returned to Federal service in April 1951 at the Aeronautical Chart Plant at 12th & Delmar and was assigned to the Reproduction Department, Negative Section. At time of retirement he was assigned to the Aerospace Cartography Department, Air Target Materials Division as a negative engraver.

"As for retirement plans," said Bosich, "I prefer not to make commitments but to be inspired by motivated force from within—could be traveling, fishing, carpentry work, or some art work—even a stroke of a brush rendering in watercolors, even a stroke of pen and ink sketches."

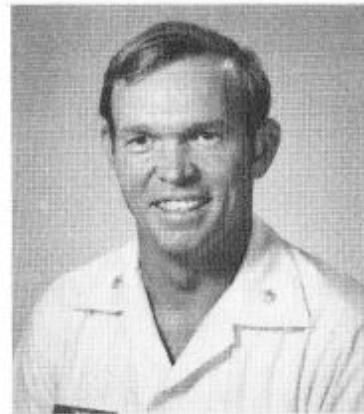
ALLAN E. PRICE, ACABD, retired on July 29 lacking one month of 34 years Federal service. He said that he started at the bottom rung of the ladder with Tennessee Valley Authority in March 1942 as a drafting aide.

He was inducted in the Army in September 1942, serving overseas from Buna Bay, New Guinea to Japan in an Engineering Mapping Company. Upon discharge in December of 1945, he returned to

New Officer Arrivals

Two new Air Force officers have arrived at the Center for duty in staff positions. They are: Majors Carlos Bush and Dexter Armstrong.

Major Bush reported in from the 544th ARTW (SAC) and is assigned to the Advanced Systems Branch of the Plans, Requirements and Technology Directorate.



Major Bush

He enlisted in September 1960 and two years later was selected for the Airmen Education Commission Program. He received his BS in Geodetic Sciences in 1964 and was commissioned thru OTS in 1965.

His first assignment was here at the Center in the Chart Research Department. He left here to attend a Meteorology course at the University of Oklahoma.

Then assigned to Wurtsmith AFB, Mich. as a weather forecaster, he spent six months in support of SAC Tanker Operations in Southeast Asia.

From July 1968 to 1973 he was assigned to the Geodetic Survey Squadron at Cheyenne, WY and while there completed requirements for his Masters in Business Administration from the

Stephen. They will reside at Jefferson Barracks.

Major Armstrong is no stranger to the Aerospace Center since a great deal of his career has been spent in the MC&G field.

He entered the Air Force in 1963 and was assigned to the ACIC



Major Armstrong

Cartographers course here in St. Louis. He later worked in the Cartography Division of the Center and from November 1963 to January 1967 was an instructor in the Education and Training Division.

From April 1967 to August 1970 he served as commander of the Center's Detachment 5, 7651st Squadron. Returning after that assignment to become chief, Military Flight Information Publication Division at the Aerospace Center.

In 1972 he moved to the DMA Headquarters in Washington D.C. where he served until June of this year when he returned to St. Louis. At the headquarters he was program manager, Navigation and Planning Production Program.

His current assignment will be as program manager, Advanced Digital Programs.

The major holds master's

specialist.
"I plan to continue living in St. Louis, accomplishing some home fix-up projects, possibly some traveling, and lots of recreation. In general, I intend to keep busy on a day-to-day basis, without a rigid schedule to follow," said Munder.

JOE H. FUNK, ADF, retired July 1 with 36 1/2 years Federal service.

His military career began in November 1938 with Company M, 138th Infantry, Missouri National Guard. He was called to active duty for a year in December 1940 but Pearl Harbor occurred and his tour of duty lasted about five years. In 1942 he spent seven months on the Aleutian Islands returning in December 1942 to take flying cadet training. He graduated as a pilot and was commissioned a 2nd Lieutenant in November 1943. He left the service in October 1945.

In November 1945 he came to work at the Chart Plant at 12th & Delmar in the Air Information Division. He was recalled to active military duty with the 131st TFW MOANG in February 1951 and served for 21 months. Shortly after returning to ACIC in 1952 he transferred to the Directorate of Operations, Requirements Division and spent 18 months there. He spent the next eight years in Plans and Programs and in March 1963 took an assignment with the P&D Staff as program manager for aeronautical activities. For the past five years he

Data Division at time of retirement.

My retirement plans are, "To enjoy life by doing what I want, when I want to. And my first en-

In Sympathy

Richmond J. Richards, SDR, died of an apparent heart attack on Sunday, July 17.

He was a photographic technician assigned to the Precision Photographic Division and had been at DMAAC since April 7, 1958.

Services were held at the Church of the Epiphany of Our Lord on Wednesday, July 20, with interment at St. Mary's Cemetery at Ft. Scott, Kansas.

He is survived by a brother and a sister.



Digital Data—Topic Of AFA Meeting

"Digital Data: A New Look in Navigation" will be the topic of the August 19th Air Force Association Meeting. Presenting the topic to the Spirit of St. Louis Chapter will be DMAAC Director, Col. James St. Clair.

There have been many changes in aerial navigation in the last few years, according to the Colonel's

address, and the advent of the computer and digital data are making revolutionary changes to navigation every day.

He transferred to the U.S. Geological Service in Washington, D.C. in early 1948 and on to Rolla, Mo. in December 1948. He was then working as a photogrammetrist.

He came to the Center in January 1963 and taught classes in Photogrammetry both at the Plant and at the school for several years. He was a cartographer in the Air Target Materials Division at time of retirement.

"Now, after 33 years and 11 months, the wife and I would like to get away from big city life and back to clean air and little traffic in the foothills of the Ozarks in North Central Arkansas. I plan on continuing my hobbies of gardening and woodworking, maybe taking a break with my fishing pole," said Price.

The indepth look at the changes and the programs to come will take place at the August 19th meeting which will be held in the DMAAC Dining Hall.

More information on the dinner meeting can be obtained from Stuart Popp, ext. 8409.

Business Administration from the University of Wyoming.

Major Bush and his wife, the former Patricia A. Smith, have three children, Carl, Diana and

The major holds master's degrees in Geography and Business Management.

He and his wife, Diane, have two children.

Junior Achiever Advisors Praised For Good Work

Individuals who have served as advisors to the Aerospace Center's Junior Achievement companies drew special praise from the Coordinating Advisor, Al Gilbert, in remarks to the Orientor recently.

"Since August 1975, it has been my pleasure to serve as DMAAC's Coordinating Advisor for Junior Achievement activities," said Gilbert. "In spite of some few frustrations, it was an extremely rewarding experience. No doubt that the dedication, hard work and support of a highly motivated, enthusiastic team of advisors had much to do with it."

The 1976-77 advisor team included production advisors, administrative advisors and marketing advisors.

Production advisors select the starting products, procure materials, advise achievers on efficient procedures and safety. This year these individuals were: Charles Houston, ACNU; Gross T. Marcus, GDCBA; Felton Mitchell, GDCBA and Curtis Triggs, ACCCB.

The administrative advisors train the executive officers in the performance of their duties, instruct achievers in proper record

keeping and reporting procedures. These included: William Brown, SDC; Ruby Harris, GDDD; Beverly Jamerison, ACNU; and Warren Mathews, ACMDC.

Marketing advisors guide achievers in setting overall marketing policies and strategies, offer suggestions concerning packaging and pricing and teach the art of salesmanship. The three this year were: Phillip Foster, ACANB; Janice Goodwin, SDCP; and J. Edward Jones, GDGP.

Gilbert indicated there were also supporting organizations and individuals that help make the year successful. These included the reproduction and bulk mailing assistance of Administration; the design and production of numerous artistic and graphic products by Graphics Design; typesetting and printing of ACCB, PDP and ADB; supply assistance from LOSMSB; publicity from PA, and typing assistance from Nancy Ackermann, Barbara Henson and Vicki Parson.

Special certificate presentation will be made to the advisors during the month of August in recognition of their many hours of off-duty time spent with the Junior Achievement Program.

Thirty Years Reached By Four Employees

ANTHONY KATUNAR, ACIAA, reached the 30 year mark. He served in the Army Air Corps from 1940 to 1945 as a radio operator and mechanic.

He worked at the Post Office for three months prior to joining the Chart Plant in April 1951 and was assigned to the Cartography Division. In 1956 he resigned and went into private industry. A year later he returned to Federal service with the U.S. Geological Service in Denver as a cartographer and at year's end he transferred to the U.S. Forestry Service in Utah.

In 1966 he returned to the U.S. Geological Survey at Arlington, VA



Durbin

transferring from there to DMAAC in 1972. He is presently assigned to the Aerospace Cartography Department as a cartographer.

HERBERT B. DURBIN, ADDS, reached the 30 year mark on July 13th. He served in the Army Air Force from June 3, 1943 to May 27, 1946 assigned to various Air Bases in the States as a Ground Control Approach Radar Mechanic. At time of discharge he was a GCA Crew Chief attached to the 104th Army Airways Communication System with headquarters at Langley Field, Va.

He returned to Federal service at the Aeronautical Chart Plant on June 27, 1950 and was assigned to the Aeronautical Information Division as a carto aid in the Final

later in the Facility Engineering Department.

"During my 30 years of service here, many changes have taken place in the physical plant, as well as in personnel. The work has been very interesting in that I have met many interesting people and have made lasting friends," added Ms. Jones.

BURNELL J. PETRY, ACN, reached the 30 year mark on July 26th.

He served in the Army from February 1943 to February 1946 with overseas duty in the European Theatre of Operations.

He returned to Federal service



Jones

at the Chart Plant at 12th & Delmar on July 26, 1950 and was assigned to the Aeronautical Information Division as a carto aid, then later became a navigation technician. He transferred to the Chart Research Division in 1958 and since the reorganization has been assigned to the Nav/Plan Charting Division as a cartographer.



Petry

KC Employees In Course

Sixty-seven cartographic employees of the Kansas City Office have enrolled in the Imagery Interpreter Specialist correspondence course offered by the Air University.

The course consists of five instruction volumes—Imagery Interpreter Background; Imagery Interpretation Mechanics; Tactical Imagery Interpretation; Strategic Imagery Interpretation; Airborne Radar Intelligence.

Their entry into the course is part of their attempts to improve their knowledge of the new programs being provided by the Aerospace Center.



Would you mind calling this a plumbing problem instead of leak in security?

SD Bar-B-Que Set For August 26

The first annual Scientific Data Department Bar-B-Que will be held on the parade ground, Friday, August 26, 1977, from three until 12 p.m. The food will be an 8-oz. boneless strip steak, baked potato, salad, and rolls. Drinks will also be served.

There will be games, music, and dancing. All former MD and RD people are invited. The cost for tickets will be \$5.00. For additional information contact SDP, Ext. 4856.

Employees Aid To Scouting

Two Center employees were recognized recently by the St. Louis Area Boy Scout Council for their work during summer vacations to assist local scout troops.

Charles Peterson was a member of the committee for Troop 709. He checked into Camp Famous Eagle

at the S-F Scout Ranch with 28 boys. This was his first year in camp.

David Caverly is the Scoutmaster for Troop 589 and he entered Camp Gamble at the S-F ranch with 24 boys. This was his fifth year of camping.

Son Honored

William Kolnik, son of Bill Kolnik, ADDSA, recently graduated Valedictorian from St. Johns Lutheran grade school, St. Louis.

He also received an award for perfect attendance and a \$50 scholarship applicable toward tuition at Lutheran High South where he will enroll in the fall.

BAG Rally

The Black Awareness Group (BAG) is sponsoring a membership rally, Wednesday, August 10, 1977, 3:30 p.m. in the DMAAC Main Dining Hall.

Phil T. White, a former DMAAC EEO Officer will be the speaker.

The Heimlich Maneuver or . . .

Four
Minutes
To

DEATH



Assembly Unit. He worked all of his civil service time in the Aeronautical Information Department. During this time he has worked as a draftsman, analyst, editor and was detailed to the Aeronautical Publication Branch to participate in the FLIP conversion of the Special Edition RFC, US-RFC and USAF/USN FLIP Planning Chart—Low Altitude US. He was also assigned to the AID Production Office and has participated in contract activities, ASSOTW production and chart production. He is presently a Supervisory Aeronautical Information Specialist assigned to the Special Support Branch.

ALTHA W. JONES, FEMPA, reached the 30 year mark on July 18th. Her Federal service began in 1947 at the Records Center. She transferred to the Chart Plant, then located at 12th and Delmar, in June 1952, moving to 2d and Arsenal approximately six weeks



CROSSWORD 1

10... DEATH

You've just sat down to dinner and are into the main course when one of your companions begins to choke on a piece of food. He or she half-rises from the table, gesturing frantically at his/her throat, unable to speak . . . begins to turn blue . . . and starts to collapse.

What do you do? Throw up your hands in horror and run for the telephone to call the police? Dash outside and yell for help?

No. If you panic, or even take the time to phone for help, your companion could be dead by the time assistance arrives. Whatever is going to be done, you—or someone else nearby—will have to do it.

The answer to this desperate situation is the Heimlich Maneuver, named for the doctor who developed it a few years ago. It's a method, which can be easily learned by almost anyone, for helping the choking victim expel whatever is obstructing the windpipe.

No equipment is needed, just a bit of knowledge and a cool head. The Heimlich Maneuver, which has been documented as saving hundreds of lives, can be used on either adults or children.

For the Heimlich Maneuver to be effective, you must first determine that someone is actually choking. Just because a person starts coughing at the table doesn't mean that person is choking.

Here are the three signs of real choking:

- (1) The person cannot speak or cry out;
- (2) His or her color turns blue;
- (3) He/she collapses.

If you detect these three signs, act quickly—or the person will die within four minutes.

HOW TO AID A CHOKING VICTIM

If someone you are with begins to choke, do the following:

(1) **Open the person's mouth, reach into the throat with your fingers and try to remove whatever is obstructing the air passage. If you can't restore breathing this way, go immediately to Step 2, which is the Heimlich Maneuver.**

(2) **This is the Heimlich Maneuver, and here is how to do it:**

a. **Stand or kneel behind the victim and place one fist, with the thumb side in, against the victim's abdomen, below the rib cage and slightly above the navel. Reaching around with your other hand, grasp your fist firmly. You'll now have both arms around the victim from behind.**

b. **Press your fist into the victim's abdomen with a quick, firm upward thrust.**

c. **Repeat the action if necessary, to force out the object that is causing the choking.**

What the Heimlich Maneuver does is to use air from the lungs to propel a foreign object from the windpipe. Remember, you don't hug, punch or squeeze the victim. You use your fist to quickly press inward and upward on the abdomen. Don't squeeze with your arms or injury could result.

If the victim is lying on his or her back, or is an infant, you can do the Heimlich Maneuver by placing the heel of your bottom hand on the abdomen below the rib cage and above the navel, and making a quick inward thrust.

You can even do it to yourself, if you're alone and no help is immediately available. Just lean against the corner of a table or chair with the corner piece, chair arm or whatever, against your abdomen where the fist would normally be, and force the "fist-substitute" inward and upward with a rapid motion. It won't be comfortable . . . but consider the alternative.

Once you've restored breathing to the choking victim and dislodged foreign matter from the throat, be sure he or she receives medical attention to insure that there haven't been any complications from the choking or the emergency treatment.