

# Orienteer

DEFENSE MAPPING AGENCY AEROSPACE CENTER

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EEO counselors, from left, are Levi Jennings/ADAC/8409, Janet Nugent/CBCBA/4010, Lorie Teller/CDVP/4012, Phyllis Cooper/CMM/4900 and Michael Marks/GDMDB/4298. Not pictured: Lela Tippet-Hardison/LOCV/8226 and Finley Martin/CDCCA/4167.

## EEO Counselors Appointed

Six new Equal Employment Opportunity counselors have been appointed by the Aerospace Center to receive discrimination complaints of civilian employees based on age, sex, race, color, religion, national origin, physical or mental handicap.

In accordance with DMA Instruction 1427.1, posted on work area bulletin boards, the counselors are responsible for consulting with any complainant who is a civilian employee or applicant for employment and seeking informal resolution of the complaint. All of the EEO counselors undergo special training by the Office of Personnel Management.

"The EEO counselor provides an open channel through which em-

"The counselor is a mediator and inquirer—not a representative favoring either management or the aggrieved. The primary effort of the counselor is directed toward reaching an informal resolution of the complaint, rather than establishing fault."

The new counselors and Finley Martin, who is continuing as a counselor, were asked to submit thumbnail sketches of themselves, which follow:

**PHYLLIS COOPER:** "I began federal service 14 years ago. I worked in the Aeronautical Information Department for four and a half years and am now assigned to the Comptroller Department, Manpower Branch, as a management assistant. I was

## Center Hosts Job Counselors

About 12 job placement counselors received "counseling" here May 24 in order to better acquaint them with positions that the Aerospace Center can provide for the handicapped.

The counselors, representing Illinois and Missouri vocational rehabilitation offices and the Veterans Administration job service, were invited for the orientation session in accordance with an action plan adopted by the Aerospace Center, according to Helen F. Johnson, coordinator for the placement of handicapped employees. A similar program was held in Washington for DMA Headquarters, HTC, ODS and DMS.

The program at the Aerospace Center included a multi-media presentation and tour.

Handicapped employment at the Aerospace Center totaled 329 (8.73 percent of the work force) at the time of the latest annual report, dated Sept. 30, 1982. Of this total, 50 employees were classified as severely handicapped and 157 were disabled veterans.

## Astronaut To Speak

NASA Astronaut Capt. Bruce

## Admiral Wilkinson New DMA Director

Rear Admiral E. A. Wilkinson Jr. will become director of DMA July 1, replacing Major General Richard M. Wells, USA, who has been reassigned.

General Wells, who has been director of the joint defense agency for the past two years is to be the Deputy Chief of Engineering, U.S. Army.

Admiral Wilkinson has served as the Commander of Atlantic fleet patrol aircraft since July 1981 and for two years prior to that was deputy director of DMA.

From his headquarters in Brunswick, Maine, Admiral Wilkinson commanded more than 7000 members of 13 aviation squadrons with 125 P-3 Orion aircraft, who were tasked with tracking Soviet submarines and surface shipping in the Atlantic Ocean and Mediterranean Sea. Homeported in Brunswick, Maine and Jacksonville, Florida these squadrons deploy regularly to Iceland, Bermuda, Sicily, Spain, and the Azores.

A 1955 graduate of the Naval Academy, Admiral Wilkinson



Staff College and the National War College. He has served as an instructor in thermodynamics at the Naval Academy.

Admiral Wilkinson's first duty was a three year tour in hurricane reconnaissance aircraft and he then served as project Mercury recovery officer with Patrol Squadron 5 and as an aide to the commander of Fleet Air in Hawaii.

After duty with two other squadrons at Puxtain River Naval Air Station, Maryland he became commanding officer of Patrol Squadron 8 in March 1971 which

questions, discuss problems and get answers on an informal basis," Gail Penn Evans, Aerospace Center EEO officer, explained.

1827 for three years and served as their representative on the Incentive Awards Committee. I

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incumbent, USRA will be the guest speaker at a joint dinner meeting of the professional societies July 14 at McDonnell Planetarium in St. Louis. Look for the posters.

aviator the following year. He holds a master's degree in mechanical engineering from George Washington University and is a graduate of the Armed Forces

special surveillance operations.

Following a tour as commander of Patrol Squadron 30, he spent three years as P-3 program coordinator in the Office of the Deputy Chief Operations for Air Warfare. For the next two years he commanded Patrol Wing 5 and then served in the anti-submarine warfare systems project at the Naval Materials Command until his first appointment to the Defense Mapping Agency.

## Looking Into Vision —

# Is What You See What You Get?

By David L. Black

Vision to the science of cartography is a key ingredient to all phases of cartography including the photogrammetric extraction of information from aerial photography. Vision is also one of those items that has been taken for granted through the years simply because not much was known about the human vision system.

I use the word **system** for scientists today are beginning to look at human sight in terms of an engineering model in which the eyes are the detectors, the brain the controller and the ocular muscles the driving mechanism. Modeled together the three components make-up the vision system of which any and all parts interact to form the final image that is seen. And from this modeling scientists have learned that **WHAT YOU SEE IS NOT ALWAYS WHAT YOU GET** . . . more importantly from the engineering model they are learning the answers to the question-Why?

One scientist who has been working primarily in the field of vision as it applies to photogrammetry and stereo vision is Dr. J. James Saladin of the College of Optometry, Ferris State College, Big Rapids, Mich. Dr.

Saladin not only has learned the why's but has developed a program of vision training that improves the ability of the vision system to see stereoscopically.

While Dr. Saladin was learning more about stereo vision in Michigan, David Alspaugh, of the Aerospace Center Geopositional Department Techniques Office, was facing the problems of quality, increased photogrammetric production, more sophisticated equipment and new employees with limited machine experience.

Underlying all the problems was the need for maximum utilization of the individual's vision ability without doing harm to the cartographer's eyes or increasing the vision error rate.

For Alspaugh and the Center the news of Dr. Saladin's studies appeared to present an answer, or at least a means to the answer, for some of the Center's current and future questions regarding stereophotogrammetry and the cartographer's stereoscopic acuity.

In Dr. Saladin's study at Ferris State he used this basic premise: Stereophotogrammetry is a branch of cartography which requires stereoscopic vision to discriminate

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Graphic by Gordon Lawrence

## New Fellowship Announced

Members of ACSM or ASP are invited to apply for the John W. Pumpelly Fellowship Award in Cartography. The new \$2,000 fellowship will be awarded each year in March at the ACSM-ASP national convention to a person pursuing a full-time course of graduate study in cartography or a related field. Deadline for applications will be Jan. 15 each year.

John W. Pumpelly was a topographic engineer and cartographer in the U.S. Geological Survey for over 38 years and an active ACSM and ASP member. The fellowship has been made possible through National Tire Wholesale, Inc. by John Reed Pumpelly and Thomas F. Pumpelly to commemorate the work of their father. After his retirement from USGS in 1971, the senior Pumpelly co-founded National Tire Wholesale, Inc. with his sons; he died in 1980.

For details and application forms contact: Education Director, ACSM-ASP, 210 Little Falls St., Falls Church, VA 22046; phone (703) 536-8320.

# Is What You See What You Get?

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small changes in elevation from stereoscopically viewed aerial photographs. The stereo observer (or stereoplotter operator) is limited by his or her own stereoscopic ability to perceive the elevation differences, the speed at which he or she makes the judgement, and the period of time over which he or she can operate at a high efficiency level.

His investigation tested the concept that the training of a broad range of vision skills would improve the stereoplotter operator's capability in all three areas of limitation.

The question posed to Dr. Saladin by the Aerospace Center was—"Could vision training, in general, improve stereoscopic acuity?" If it could, then beginning stereoplotter operators would profit by such a program and, presumably, would be able to achieve competence more quickly, and perhaps, ultimately exhibit a higher degree of stereoscopic precision because their binocular systems were operating at a high level of efficiency.

Under his program, after seven weeks of vision training stereoscopic acuity was shown to improve in the test group in two of three tests administered. Thus, the answer to the Center's question was YES and Dr. Saladin was put under contract to develop a **VISION CARE PROGRAM** for the

alter our vision, we can take steps to more voluntarily control our eyes' performance. What you see may not always be what you get, but you can learn ways to see more than you've seen before.

Dr. Saladin has outlined a three part program for the Center:

1) A special testing program to be used to screen prospective employees for jobs requiring a high degree of stereoscopic ability. Such a procedure would reduce the dropout rate of new employees and increase the average stereoscopic performance of the entire workforce over a period of time as the program is phased-in. The testing program will consist of a battery of tests to be given to prospective or new employees. The employees will receive tests for color vision, proper spectacle correction, gross and fine ocular coordination abilities, binocular coordination and quantity and quality of stereopsis. A much smaller series of tests will be given on a semi-annual basis to established employees with the theory that early detection and correction of problems should lead to sustained high performance levels on the part of experienced employees. The screening will be done by the Center dispensary staff in conjunction with a consultant from the University of Missouri School of Optometry.

2) The establishment of a

## History and Progress Recorded Together



**RECORDING HISTORY . . .** Staff archaeologists from Southern Illinois University-Edwardsville, Tony Bucks (left) and Christy Wells, study the strata layers of an old filled quarry unearthed on the Arsenal grounds during the first stages of "E" Wing construction. The quarry was located at the northwest end of Building 36. (Photo by Ed Mullen)

While construction of the "E" Wing begins at the Aerospace Center the recording of history is not forgotten. Archaeologists from the St. Louis District Corps of Engineers, assisted when necessary by SIU-Edwardsville and Washington University archaeologists, are watching every stage of the excavation to assure that historic artifacts and data are properly recorded.

During the first phase of construction on the new parking lot to the northwest front of Building 36 an old quarry was unearthed. According to Terry Norris, St. Louis Corps archaeologist, the quarry and its subsequent fill presented a cross section of history regarding life at the Old Arsenal. A special contract was let to Southern Illinois University-Edwardsville to perform a random sampling of the earth profile and map the historical findings.

William Woods, SIU-E staff archaeologist who leads the project, indicated the fill of the quarry was accomplished rather rapidly (historic time) and the fill zones presented good sequence of sealed horizons. From the zones the material, food, etc. of the time era would provide a clue to the activities of the Arsenal just prior to the fills.

Various pieces of china, construction material, bones, ammunition and ammunition molds have been found in the preliminary phases of the study.

All artifacts recovered will be identified, cataloged and recorded before being turned over to the

## Women's Club Install Officers



the program, which starts this month, is to develop and maintain the visual abilities of the photogrammetric employees at the highest possible visual performance level. Special attention will be given to assure that stereoscopic abilities, in particular, operate consistently over extended periods of time and under broad range of conditions.

Both physiological and perceptual problems enter into the ability to see stereo. While we are familiar with the use of eyeglasses to correct vision problems, the use of vision training to improve "normal" vision is a technique which has come to the fore in the last few years. Vision training techniques teach a person's visual system to respond to a broad range of viewing conditions.

Tolerances are built up for stressful variations of the accommodations and convergence mechanisms. Now that we know that certain circumstances can

the Center will enable new employees to perform vision-oriented tasks at a high performance level relatively early in their careers. The initial vision training program will be followed by a maintenance vision program. The initial program will consist of eight weeks of goal-oriented training that will require each new employee to put in sufficient time to reach each week's goal. It is anticipated that one-half hour per day for the five-day work week will be ample. The training procedures will be done on small instruments available at the Center.

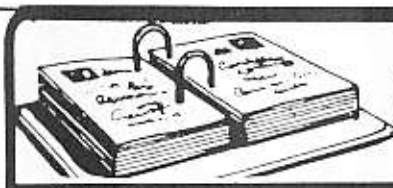
3) The development of tests for stereopsis that will sample relevant aspects of the stereoscopic abilities used in the various stereophotogrammetric tasks at the Center. Presently available stereopsis tests are not sufficiently adequate. This development will be accomplished by the chief consultant, Dr. Saladin, at the Ferris State College campus using students from the optometry and photogrammetry programs as subjects. Aerospace Center personnel will be used only at the terminal stages of the development program and then only with the full knowledge and cooperation of all involved.

For the Center and the employee the three step program will mean better vision, better production, and most importantly, a better understanding by the individual cartographer of how their particular vision system works—so that **What you LEARN to SEE is what you GET!**



Officers of the DMAAC Women's Club for the 1983-84 term are pictured, from left: Mrs. Gloria Powers—president, Mrs. June Brown—first vice president, Mrs. Marian Blanchfield—second vice president, Mrs. Marilyn Rothermel—corresponding secretary, Mrs. Sarina Biskar—recording secretary and Mrs. Sally Klaskin—treasurer. The installation took place during a luncheon at the Oakland House May 19. Mrs. Maria Swanson, the installing officer (not pictured), was also presented a farewell gift; her husband Lt. Col. Robert G. Swanson became deputy director of the DMA Defense Mapping School at Ft. Belvoir, Va., earlier this month.

display.



# Calendar

JULY	EVENT	PLACE	RESPONSIBILITY
4	Fourth of July — Holiday		
7	Toastmasters	Lindbergh Rm.	B. Brooks/4627
9	Striders Run	Forest Park	F. Aufmuth/4357
12	Charters Golf	Triple Lakes, Ill.	M. Kelley/8419
14	Joint Tech. Mtg.	McDonnell Planetarium	G. Hacker/8220
14	IMAGE Mtg.	4406 Gravois	C. Athie/4276
14	Toastmasters	S. Annex Auditorium	B. Barr/8273
15	AFA Mtg.	Marriott Hotel/Airport	E. Alexander/4181
15	Bloodmobile	2nd St.	C. Hardin/4047
21	Toastmasters	Lindbergh Rm.	B. Brooks/4267
26	Charters Golf	Locust Hills, Ill.	M. Kelley/8419
27	NFFE Local 1827	Dining Hall	V. Haun/776-8424
28	Toastmasters	S. Annex Auditorium	B. Barr/8273
Every Tues.	JA Mtg.	PP Conf. Rm.	J. Hagedorn/4974

Contact Rose Hunkins/4142 to have your August events listed.

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**Col. Byron S. Fitzgerald**  
Director

**David L. Black**  
Chief, Public Affairs Office

**Paul Hurlburt**  
Editor

## May Honor Roll

### 40 YEAR

Steve Gamby, Isaac C. Rapez, Elda L. Rowland, Bryan L. Williams.

### 35 YEAR

Jack H. Harris, Kenneth G. Johnson, Joseph C. Michaelree, William A. Miller.

### 30 YEAR

Thomas J. Murphy, Clayton A. Newton, Donald W. Shaffer.

### 25 YEAR

William C. Schacht Jr.

### 20 YEAR

Deserie W. Bartlett, Alva J. Bevard, Robert D. Champlin, Melvin C. Jostes, Loretta Mason, Jacques W. Wesson III, Sharon D. Yarber.

### 15 YEAR

Russell T. Gustin, Larry W. Henderson, Glenda Marie Lowry, Robert E. Smetana.

### 10 YEAR

Patricia M. Kaiser, Thomas J. Konieczny, James H. Sieve, Ellen L. Winters.

### OUTSTANDING PERFORMANCE RATING

David P. Askew, Danny W. Barber, Virginia R. Beleck, Joseph W. Blackford II, Frederick J. Bockelmann, Hester B. Cronin, Gary V. Edwards, Percilla D. Ferguson, John W. Froidl Jr., Donald L. Hinkle, Bobbie G. Mace, Susan M. McConnell, Howard J. Partney, Linda M. Reis, Elda L. Rowland, Harold L. Sanders, Steven C. Seiler, William B. Smiley, Kevin R. Springer.

### OUTSTANDING PERFORMANCE RATING/ QUALITY STEP INCREASE

Jeanne L. Fankhauser, Richard A. Gephart, Robert L. Hudzik, Lee Ann Ivester, Harold M. McCullough, Russell P. Norton, Doris J. Sovar, Stephanie M. Vogt.

### OUTSTANDING PERFORMANCE RATING/ SUSTAINED SUPERIOR PERFORMANCE

Robert J. Barker, Henry R. Bauer, Raymond E. Burlage, James E. Burnette, Robert Cherry, Yvonne E. Clark, Ivan L. Coffey, Paul R. Conrad, Robert H. Crowell, Richard Dedham, Earl D. Degonia, Lois E. Fast, Susan D. Gates, Howard L. Gregg, John F. Havecker, Douglas W. Holleman, Billie W. Hopwood, Jacqueline J. Howard, Leon K. Kappelmann, Michael J. Kuhnline, Yim C. Loo, Thomas H. Leubbert Jr., Patricia A. Micka, Curtis A. Nungesser, Gail C. Ogan Jr., Ronald W. Peacock, Albert Ruck, Wyman E. Skaggs, Herman A. Thomas, Thomas W. ...

## PROMOTIONS

The following people received promotions during the month of May: Joyce L. Alford, GS-5; John R. Allen, GS-5; Audrey R. Atkins, GS-8; Nancy L. Bender, GS-11; John E. Berra Jr., GS-9; Cynthia L. Bickett, GS-4; Bennie R. Bondurant, GS-11; Brenda K. Bowder, GS-5; Russell G. Breitag, GS-9; Ronald S. Brooks, GS-12; Cynthia L. Caples, GS-7; Kathleen M. Carroll, GS-9; Kevin K. Conroy, GS-9; Cynthia E. Cunningham, GS-4; Mikal H. El-Amin, GS-11; Alan R. Ellington, GS-9; Gary L. Etter, GS-11; Brian R. Farmer, GS-11; Francis E. Fearon, GS-12; Meredith B. Fields, GS-11; Jon David Flinn, GS-12; John W. Froidl Jr., WD-8; Kyle Dean Fuehrer, GS-11; Jeannie D. Garner, GS-5; Susan Dianne Gates, GS-11; Russell T. Gustin, GM-14; James A. Hahn, GS-12; Hazlett W. Hahne, GS-12; Terry A. Harris, GS-5; Theodore S. Heidemann, GS-11; Robert L. Hicks, GS-11; Eric P. Hilberg, GS-11; David G. Hopkins, GS-9; Norma J. Jakse, GS-6; Janell S. Johns, WG-8; Dorothy L. Johnson, GS-5; Gerald L. Johnson, GS-9; Louise M. Johnson, GS-9; J. Barton Kemery, GM-14; Sally J. Kienker, GS-11; Charles G. Kimzey, GS-12; Edith C. King, GS-11; Margaret A. Kocisak, GS-6; Linda M. Kranefuss, GS-6; Janice S. Kren, GS-3; Michael J. Kuhnline, GS-11; Linda D. Land, GS-7; Thomas H. Luebbert Jr., GS-7; Marilyn K. Massman, GS-12; Ronald P. Mattli, GS-9; George E. McKenzie, WG-12; Mike Mecava, GS-11; Joseph F. Mele, GS-9; Glenn R. Minuth, GS-11; John S. Mize, GS-9; Walter H. Monahan, GS-8; Michael A. ...



**GRADUATES OF ORIENTATION PROGRAM Class 83-H** are pictured. Front row, from left: Betty McElroy—Southern Illinois, Donna Hangge—New Mexico State and Kurt McCulley—Kansas State. Fifth row: Jeff Henry (left)—St. Cloud State and Paul Tohl—University of Wisconsin. Sixth row, from left: John Engel—University of Delaware, Thomas Mance—Kansas State and David DePorter—University of Tennessee. Top row: John Stelling (left)—Northeastern Illinois and Joseph Stanford—University of Michigan.

## Kudos

### Hiram Lloyd Distinguished Toastmaster

Retired programmer analyst Hiram D. Lloyd Jr. has been recognized by Toastmasters International as a Distinguished Toastmaster. Joining cartographer George E. Peo, he is the second member of

**SUSTAINED SUPERIOR PERFORMANCE**

Lucille I. Baltzell, Raymond A. Dvorchak, Sandra E. Fleming, Keith A. Huelsebusch, Joseph M. Shinn, Douglas P. Soval

**SPECIAL ACT AWARDS**

Bruce P. Brock, Raymond J. Forthaus

**SUGGESTIONS**

Larry T. Jost, \$2,327.00; John B. Geskermann, \$599.00; Robert J. Barker, \$160.00; Sydney J. Bosma, \$50.00; John W. Froidl, Jr., \$50.00; Russell D. Ammons, \$25.00; Pamela S. Aschenbrenner, \$25.00; Debra J. Wenzelburger, \$25.00.

## EMPLOYEE RETIREMENTS

**CHARLES B. CASTRO** (GD-DAD), a photogrammetric cartographer, retired May 31 with more than 33 years of federal service, including 31 years and eight months at the Aerospace Center.

**JAMES W. DORSEY** (GARA), an offset press operator, retired May 30 with 34 years of federal service. Entering the Navy in 1944, he served in the Pacific on the USS Dawson and participated in the liberation of the Philippines. His employment at the Aerospace Center began Dec. 27, 1960 as a press feeder.

**SINGLETON L. HARRIS** (SDRCB), a laboratory, scientific and technical photographer, retired June 10 with more than 35 years of federal service, including 32 years and five months at the Aerospace Center.

**RAYMOND J.P. LOTT** (CDABE), a negative engraver, retired May 31 with more than 37 years of federal service. He was an electrician and mechanic in the Army Air Forces after entering the military in 1942. Later he worked as a civilian at the Army Finance

Center, transferring to the Aeronautical Chart and Information Center in November 1952. Speaking of his retirement, he said, "I'm selling real estate and having a good time."

**JOSEPH M. MORENO JR.** (SDRAA), a laboratory, scientific and technical photographer, retired May 14 with more than 38 years of federal service. A member of the Army Air Forces during World War II, he worked in armament supply and small arms repair. His work with the Aerospace Center began at the former Aeronautical Chart Plant in August 1951. Before becoming a photographer, he was a clerk and offset pressman.

**EUGENE J. STENDER** (CD-PA), a photogrammetric cartographer, retired May 31 with more than 36 years of federal service, including World War II duty in the Marine Corps. His career at the Aerospace Center started in September 1948, but he was called back to active duty in December 1950 for one year during the Korean conflict. Upon his discharge he returned to AC.

Jack Muirhead Jr., GS-12; Mary Myles, GS-9; Mark E. Oswald, GS-9; Donna S. Owens, GS-4; Raymond F. Patt, WG-9; Norman J. Pawelek, GS-12; Matthew J. Phillips, GS-9; Thelonia Y. Plummer, GS-7; Mary F. Pollack, GS-11; James M. Ragan, GS-12; Michael W. Ramsey, GS-11; Judith A. Recer, GS-5; John R. Reiter, GM-13; Audrey M. Renth, GS-6; Jennifer A. Richter, GS-11; Walter A. Robinson, GS-11; Richard F. Rouse, GS-9; Michael W. Rowe, GS-9; June M. Ruckman, GS-7; Sam F. Scearce, GS-8; Michael L. Schleifer, GS-12; Dawn M. Schoenberg, GS-6; Joseph L. Schreck, WS-9; William W. Schulze, GS-11; Dennis J. Shannon, GS-12; Debra D. Simpson, GS-5; Charles E. Squires, GS-11; Alice Stanford, GS-8; Victor J. Stragliati, GS-8; Dewey E. Strobel, GS-11; Jeter J.B. Thompson, GS-12; Helen V. Thurmon, GS-9; Michael W. Todd, GS-9; Charles A. Turner, GS-12; John E. Unruh, GM-14; Charles Viviano, GS-5; Betty H. Webb, GS-9; Royal C. Webster, GS-12; Diane M. Alder Weidle, GS-9; Roy J. Weidle, GS-9; Shelley R. Weiss, GS-9; Richard L. Willis, GS-8; Ellen L. Winters, WG-8.

## Father's Day June 19



To earn the award, Toastmasters must complete a number of specific requirements, including coordinating a youth leadership program, organizing a new club, and serving as a district officer. Lloyd was in charge of an eight-week program sponsored by the Aerospace Center Toastmasters to teach speechcraft and leadership to Junior Achievers. He was also recognized by the Chartmasters Toastmasters as the club's mentor for his role in organizing the South Annex club last year.

## Center Honored for Supporting Guard

A trophy recognizing the Aerospace Center's encouragement of employee participation in Guard and Reserve units has been presented to the Center by cartographic clerk Dorothy Johnson, winner of a Globe-Democrat Citizen-Soldier award for outstanding achievement. A member of the Special Security Office at AC and a clerk-typist in the headquarters of the Army National Guard's 35th Engineer Brigade, SP5 Johnson received her award, along with the Center's trophy, in a ceremony in Queeney Park attended by AC Director Col. Byron S. Fitzgerald, USAF. For an earlier story, see the Feb. 25 Orientor.

## Darryl White Is Honored on Graduation

Darryl L. White, son of LeRoy E. White of SDRG and president of the graduating class of Soldan High School, received 22 awards at the school's annual awards day. To mention a few, he was a St. Louis Post-Dispatch scholar-athlete, National Merit Scholarship semi-finalist, led the Soldan mock trial team to a state championship, and (his father's favorite) received an honor award for outstanding achievement in art. Darryl designed the school's popular winking tiger logo.

## Annette Huddle National Merit Scholar

Annette Huddle, daughter of John Huddle (GDCBC) is the winner of a National Merit Scholarship. Annette is a senior at Thomas Jefferson School in Sunset Hills, Mo. She is active in school basketball and softball, school yearbook, and plays viola in the orchestra of St. Louis Community College at Meramec. She plans to attend Brown University.

## Alice Fast Earns Highest Grade Average

Alice Fast, daughter of Lois Fast (GDDAB), is the recipient of the Delta Sigma Pi "scholarship key" for having the highest grade-point average in the school of business at Southwest Missouri State University. On May 5 Alice was initiated into the Phi Kappa Phi honor society. She is a 1979 graduate of Webster Groves (Mo.) High School.

## EEO Counselors . . .

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was also a charter member of the Arsenal '76 chapter of Federally Employed Women and served as award chairman."

**LEVI A. JENNINGS:** "I am a Vietnam war veteran with 15 years total federal service, native Californian, and attended the University of Missouri-St. Louis, majoring in social psychology. I'm a recent returnee to the St. Louis area, having been employed at the Aerospace Center since December 1982 in the Aeronautical Information Department. I have done volunteer work for the apprenticeship Providence Program of St. Louis."

**MICHAEL MARKS:** "I graduated from Syracuse University with a B.S. in forestry. I started at the Aerospace Center in January 1966 and worked as a cartographer (photogrammetry). In April of this year I was transferred to the Geopositional Department's Photogrammetric Data Division 1, Applications Branch, as a programmer for the IPIN interactive graphic system. I received an M.B.A. from the University of Missouri-St. Louis and am presently enrolled in the third year of the long-term part-time training program in computer science."

**FINLEY C. MARTIN JR.:** "I have been an employee at the Center for more than 28 years, first entering as a carto-photo aid, GS-4. I worked in the old Research Division and at one time was assigned to the Target Area Analysis (Radar) Branch as an air intelligence specialist. When the space program was at its peak I

for four years. I am employed in the Production Management Office of the Aerospace Cartography Division's Vertical Obstruction Division. I am presently the division's Civilian Welfare Council representative. I am also involved in Quality Circles as a member of the Quality Circle 'Enterprise Command.'"

**LELA TIPPETT-HARDISON:** "I began work at the Aerospace Center in October 1981 and presently work in the Contracting Division, Service Contracts Branch, as a procurement clerk. My prior federal experience includes two years' employment at Housing and Urban Development and two years' military service in the U.S. Army. I free-lance for local newspapers as a writer. My interest in the EEO program is primarily due to my belief that everyone should have a chance to air any problems they encounter and there should always be someone available and willing to resolve those problems. I am looking forward to possibly accomplishing that through my role as a counselor."

## Military Arrival



Striders set off on two-mile (not three-mile) run.



Participants in the five-mile run are, from left: George Keil, Bob Howard, Carole Keil, David Talburtt, Keith Woodyard, Audrey Creel, Chuck Denney and Clyde Creel.

## Shepherd, Denney Top Fun Runners

June 4 was a beautiful day for the Aerospace Striders Spring/Summer Fun Run and Barbecue. Thirty-plus Striders participated in the annual event.

In the two-mile event Greg Shepherd was the overall winner with a time of 10:25. Cindy Reuter was the overall women's champion running two miles in 18:02. In the men's division, ages 17-30, Mark

41-49 with times of 13:15 and 16:57. Bruce Keil and Frank Aufmuth Jr. ran a very respectable two miles in the 13/14-year-old class with times of 13:18 and 13:49 respectively.

The overall winner in the five-mile handicap run was Chuck Denney (40:41). Carole Keil, Clyde Creel, David Talburtt and Keith Woodyard placed second, third, fourth and fifth with times

## Team Tennis

The Fuzzy Balls surged to the top of the league May 31 with a solid 4-1 triumph over the Fly Swatters. Tony Mosello/Bill Burchard and Ward Klocke/Bill Bartels won for the Fuzzy Balls. The Broken Strings continued to win behind Emmett Burton/Max Billen and Don Vester/Vin De Santos as they defeated the Aluminum Heads 4-1. Vetter's Netters dumped the Lucky Sevens 4-1, Hamlet Kelly/Steve Vetter, Paul Wert/Marc Shoukry and Joe Klein/Laura Gruber providing the firepower. The Racketeers fell back into a tie for second place as they took a 4-1 drubbing at the hands of Rick's Rascals. Vicki Bohrer, Tom Saddler/Joe Zwettler, Bert Bryant/Steve Ross and Jim Frederick/Rich Deist gave the Rascals the runaway victory.

On June 7 the Lucky Sevens clobbered the Fly Swatters 5-0. Winners for the Sevens were Frank Mosely/Kevin Webster, Jim Butler/Pat Lynch, Gary Fltz/Ernie South and Dave Scurry/Molly Slominski. The Aluminum Heads routed Vetter's Netters 4-1, Kurt Schulz and Ron Tharp/Connie Meyer coming through for the Heads. Rick's Rascals edged the Broken Strings 3-2 with Ken Street/Bette Friel and Rich Deist/Jim Frederick scoring for the Rascals. In a match to determine the league lead the Racketeers upset the Fuzzy Balls 4-1 and drew even with them in the standings. Sue Paige/Joe Moeller and Gary Wallace/Dave Jones gave the Racketeers two of their points. The match of the day was provided by Gary Liebsch/Pete Ofstedal of the Racketeers as they

was assigned to the Astro-Charting Branch in Cartography Division, where we compiled mosaics and lunar charts that were used by the astronauts in preparation for and eventual landing on the moon. I am now assigned to Automated Graphic Digitizing System in the Cartographic Data Division. As an EEO counselor almost four years, I have participated in many pre-complaint counseling activities. I am a member of the St. Louis Metro EEO Council. I played on the ACIC fast pitch softball team as its catcher for more than 10 years; during that time the team won seven consecutive city championship fast pitch titles. To many who know me, I'm often referred to by the nickname Gabby."

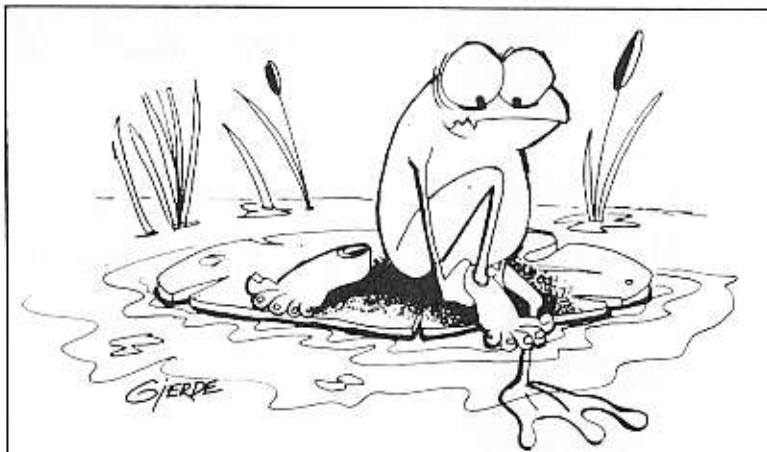
**JANET NUGENT:** "I am an Army veteran and began my career at the Aerospace Center in December 1973 as a cartographic aid. Selected for a position in the upward mobility program for cartographers, I am now assigned to the Automated Cartography Section in the Aerospace Cartography Department's Cartographic Data Division. I was a key worker for the Combined Federal Campaigns in 1981 and 1982. My husband David is an accounting technician in the Comptroller's Office. I feel policies must be free from discrimination and equal employment opportunity for all employees should be upheld."

**LORIE M. TELLOR:** "I graduated from Southern Illinois University-Edwardsville with a B.A. in geography and have been employed at the Aerospace Center

**Capt. Martin P. Hopper Jr., USAF,** has arrived for duty as chief of the Operations and Maintenance Division in the Directorate of Facilities Engineering. He succeeds Maj. Richard A. Bauman, USAF, who departs June 24 for assignment at Scott AFB, Ill. A member of the Air Force for 18 years, Captain Hopper is a Vietnam veteran and comes to the Aerospace Center from Rhein-Main AB, Germany. Captain Hopper earned his B.S. in industrial engineering from New Mexico State University, Las Cruces, N.M. He is a native of Pittsfield, Mass.

## Military Promotion

MSGt. Keith R. Lorence, USAF, has been selected for promotion to senior master sergeant during the current promotion cycle.



**Summer Begins, June 21**

placed first, second and third respectively with times of 11:51, 13:01 and 13:08. Frank Aufmuth placed first and George Soscia second in the men's division, ages 31-40, with times of 12:08 and 18:35. Chuck Hubbard placed first and George Hasler second in the men's division, ages

## CGA Spring Season Nears End

As the Charters Golf Association nears the end of its first-half spring season, interested golfers are being invited to join for the summer season. After paying a \$5 fee, new members are eligible to compete for second-half trophies and the championship playoff the same as players completing the spring season. For details contact Bob Kriss/8409, Maj. Steve Godwin/8307, Mike Kelley/8419 or Walt Robinson/8407.

After three 18-hole matches in the 1983 spring season, several players have come to the fore.

42:02, 43:03 and 43:20 respectively. Our celebrity runner, Bob Howard, ran the five-mile event with a time of 42:16.

The Spring/Summer Fun Run and Barbecue was a big success and a special thanks goes out to everyone that helped.

—Tammy Iverson

However, leaders could change if one or two players in any of the flights gets hot. The leaders going into this week's match:

"A" Flight—Carl Jasko leading with 9.5 points; Will Svoboda runner-up with 4.5 points.

"B" Flight—"Hoss" Jackson leading with 8 points; Lou Airaghi, Al Kistler and Bernie Nelson all tied for runner-up with 5 points each.

"C" Flight—Hank Van Beek leading with 10 points; Tony Brikenmeyer runner-up with 5 points.

"D" Flight—Andy Lewandowski leading with 8.5 points, followed by Ed Alford with 6.5, Jim Petraitis with 6 points, and Keith Koenig with 5.

Winners and runners-up in each flight at the end of the half will be eligible for trophies and gain an automatic invitation to participate in the championship playoff at the last social outing at the end of the summer season.

A social outing will be held to conclude the first half at Triple Lakes, Ill., July 12. The process will then be repeated for the summer season with five competitive 18-hole matches beginning July 26 on the same golf courses that were played during the spring season.

deficit to draw even at 10-10 and then win the 12-point tie breaker and the deciding match.

—Tony Mosello

### League Standings

Team	Won	Lost
Fuzzy Balls	19	11
Racketeers	19	11
Rick's Rascals	18	12
Lucky Sevens	17	13
Broken Strings	16	14
Aluminum Heads	15	15
Vetter's Netters	10	20
Fly Swatters	6	24

## Rednecks Grab Spotlight

The Rednecks captured first place in the DMAAC Women's Softball League with an exciting 4-3 win over the Kelley's Girls. The Rednecks took a 4-0 lead and held on to remain undefeated. Rednecks' Kerry Reiker packed the win with hitting and good defense. The Rednecks also defeated Plum Crazy 15-1 behind the hitting of Pat Hudson and Diana Hande.

The Ramblers pulled into a second-place tie with victories over the Chips 14-13 and Plum Crazy 8-3. Kelley's Girls are the other half of second place with a 12-2 win over Pyrites. The Chips defeated Pyrites by the score of 12-0.

—Chuck Arns

### Standings through June 8

Team	Won	Lost
Rednecks	6	0
Ramblers	4	1
Kelley's Girls	4	1
Chips	3	2
Spanky's Gang	2	3
Babes Ruthless	1	3
Pyrites	1	5
Plum Crazy	0	6