

## New NASA partnership with Lockheed Martin to establish government-industry collaboration

Ames Director Dr. Henry McDonald and Lockheed Martin Space Operations President Jay Honeycutt signed a memorandum of understanding (MOU) on January 10 to establish research collaborations at the NASA Research Park at Ames.

Ames and Lockheed Martin will collaborate in planning future joint research and development (R&D) and education partnerships, according to the terms of the agreement.

"This is the first time that a government agency and a national aerospace corporation have agreed to work together as part of the development of a world-class, shared-use R&D campus like the NASA Research Park," said McDonald. "I am delighted to form this planning partnership with Lockheed Martin to conduct joint research in cutting-edge technologies and to develop new ideas to improve the nation's education infrastructure," he said.

"Research collaborations with government agencies, academic institutions and nonprofit organizations are a crucial component of our business strategy for the future," Honeycutt said. "This partnership

with Ames is an important first step in our new approach to commerce in the next century, and we hope to develop collaborations with other NASA Research Park partners. Our first opportunity will be to work with NASA on a variety of critical R&D initiatives, with an emphasis on astrobiology. We also plan to focus on life and microgravity sciences, biotechnology, aeronautical and space technology development, education and workforce development, technology commercialization, and information technology research," he added.

"The exciting future of astrobiology, which is the study of the origin, evolution, distribution and destiny of life in the universe, will take a major step forward with this partnership with a world-class aerospace corporation like Lockheed Martin," said Ames associate director for astrobiology and space programs Scott Hubbard.

"Lockheed Martin is our first industry partner for the NASA Research Park," said Ames' chief of development and communication office Michael Marlaire. "We have planning MOUs with a number of out-

standing academic institutions for R&D collaborations and educational programs at the NASA Research Park, including the University of California at Santa Cruz, Stanford University, San Jose State University and Foothill-DeAnza Community College," Marlaire said. "Lockheed Martin brings far-reaching potential for synergistic relationships with the other partners and will enable the NASA Research Park to become a truly unique place for industry, academia and federal scientists and engineers to share ideas in new ways."

Headquartered in Bethesda, Maryland, Lockheed Martin is a global enterprise principally engaged in the research, design, development, manufacture and integration of advanced technology systems, products and services. The corporation's core businesses include systems integration, space, aeronautics and technology services. Employing more than 160,000 people worldwide, Lockheed Martin reported sales surpassing \$26 billion in 1998.

BY MICHAEL MEWHINNEY

## San Jose State University@Work program begins at Ames

In collaboration with San José State University, the aeronautics and spaceflight hardware development division at Ames has launched a new four-year program in industrial technology designed to encourage and enhance employee learning and creativity on the job.

The SJSU@Work Program was developed specifically for employees who are interested or working in a manufacturing environment. Currently, there are 23 students from Codes FS and Jenrolled in the program from Ames. Students attend classes on-site, in Bldg. N-220, where both the lecture and laboratory portions of the classes are conducted and which could lead to a four-year college degree.

"The focus of this program is learning; the tangible outcome is a possible four-year degree from an accredited university that will better prepare some of our upcoming employees for future leadership

roles in the organization as well as at the Center," explained Deborah Wood, deputy division chief. "Improved communication skills and an affirmation of current technical skills in the field will also increase self-confidence and, ultimately, the way an individual contributes to a project or program."

Classes are held twice a week on Tuesdays and Thursdays from 3:30 p.m. to 6:30 p.m. for 15 weeks. There are three 15-week sessions during the academic year, during which the students will complete a total of six curriculum requirements. Several class sessions are also conducted in the laboratories and facilities of San José State University.

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Photo by Roger Brimmer

From left to right: Dr. David Holmes from San José State University instructs Mike Graham from Sverdrup Technologies; and Russell Roberson from Code FMX, an electronics technician from the precision machining and electromechanical instrumentation branch.

## Center Briefs

### **NASA Headquarters selects SAIC to provide information technology services**

NASA has selected Space Applications International Corporation (SAIC) Information Services, Vienna, VA, to provide information technology services to NASA Headquarters under the Outsourcing Desktop Initiative for NASA (ODIN). The services will be ordered under the existing ODIN master contract, which is administered by the ODIN Program Office at NASA's Goddard Space Flight Center, Greenbelt, MD. They include comprehensive desktop computer, server, local area network, telephone, local video, administrative radio, remote communication and public address services.

The period of performance for this delivery order is three years beginning on February 28, for a total price of \$20.1 million. More information on ODIN can be found at the following web site: <http://outsource.gsfc.nasa.gov>

### **MARS program independent assessment team named**

Seventeen experienced engineers, scientists and executives, including Jim Arnold of Ames, have been named by NASA Administrator Daniel S. Goldin to form the Mars Program Independent Assessment Team. Chaired by Thomas Young, retired executive vice president of Lockheed Martin Corp., this team has been chartered to review the Agency's approach to robotic exploration of Mars in the wake of the recent loss of the Mars Polar Lander mission. The team will evaluate several recent successful and unsuccessful NASA missions to deep space. The team will brief the NASA Administrator on its findings by mid-March 2000.

### **NASA selects 25 innovative small business projects**

America's space agency does more than explore space: It also stimulates small and disadvantaged businesses to develop new technologies. To this end, NASA has selected 25 research proposals for negotiation of Phase 2 contract awards for its Small Business Innovation Research Program. The total value of the awards is expected to be more than \$15 million; the research will be conducted by 25 firms in 12 states: Alabama, Arizona, Arkansas, California, Colorado, Maryland, Massachusetts, New York, Oregon, Texas, Vermont and Virginia.

These selections will assist future NASA missions by providing advanced technologies in such areas as high-optical-quality, lightweight reflectors and mirrors; high-speed digital communications links with reduced power and size requirements; and reduced mass requirements for spacecraft thermal-control systems.

## Memorial service held for former Ames legal counsel George Lenehan

A public memorial service for former Ames legal counsel George Lenehan, was held Jan. 10, 2000 at the Immanuel Lutheran Church of Saratoga.



George Lenehan

Lenehan, 64, died Dec. 16, 1999 at his Los Gatos home following a year-long battle with a brain tumor. Private funeral services were held Dec. 23, 1999 at the Darling-Fischer Chapel of the Hills in Los Gatos, followed by burial at Los Gatos Memorial Park.

"I have known George since shortly after I joined the NASA legal community as a new lawyer fresh out of law school in 1977," said Sally Mauldin, Ames' chief counsel. "We soon discovered that we had common roots in New York and developed a friendship and professional relationship that spanned over 22 years.

"I admired George for his keen wit and direct way of communicating his thoughts and opinions," Mauldin said. "I respected him for his integrity and sharp legal mind. George was a friend, a colleague, and in many ways a mentor, whose advice I often sought. He will be sorely missed, but I will always remember the many ways in which he enriched my life."

A native of New York City, N.Y., Lenehan was raised in Boston, MA. He earned a B.S. degree in Chemistry from Northeastern University, Boston, MA. Lenehan entered Law School at Boston College and graduated with a J.D. in 1962. He worked as a legislative lobbyist for the Roman Catholic Church in Harrisburg, PA.

In 1965, he enlisted in the U.S. Navy with the rank of lieutenant and served with the Office of the Commander U.S. Forces

Philippines and in Vietnam. In 1967, he served as one of the investigating officers on board the aircraft carrier U.S.S. Oriskany investigating a violent explosion which killed 52 Navy personnel.

Following his honorable discharge from the Navy, Lenehan continued to work for the Navy as a civilian attorney in the Navy Office of the General Counsel in Yokohama, Japan. He continued to serve for 20 years as an officer in the Navy Reserve, providing legal assistance for military personnel and their families at the Naval Air Station, Moffett Field. He attained the rank of captain in 1983.

Lenehan began his career at Ames in 1970, when Ames Chief Counsel J. Henry Glazer hired him to serve as Ames' deputy chief counsel. Lenehan retired on July 3, 1997, after serving many years as Ames' Chief Counsel. That same year, Lenehan was awarded NASA's Outstanding Leadership medal.

"George had a great ability to cut to the heart of a legal issue and then try to find a way to solve it," said Ames attorney George Sloup. "He was very pragmatic and never lost sight of the best interests of his client, NASA. He never let personal or political beliefs get in the way of his role as a government lawyer."

Sloup noted that Lenehan was instrumental in creating Amtec, a non-profit corporation that functioned during the late 1980s and early 1990s as an "incubator" for developing commercial uses of NASA technology.

"In addition, George was a great mentor to the younger attorneys he supervised," Sloup said. "He never lost his sense of humor and never forgot that law is, in the final analysis, about people."

Jack Boyd, executive assistant to the center director and a longtime friend of Lenehan, said he that admired him for his "infectious sense of humor, his intellectual insight and his willingness to share his many interests and experiences with others. As a colleague and an advisor to the director at Ames for many years, he gave sound advice and kept us from walking into too many legal holes while keeping his sense of humor," Boyd said.

Lenehan is survived by his wife, Gynelle, two children, Julie and Thom Lenehan and a granddaughter, Natalie Rose Crowder. He is also survived by his mother, Annie Lenehan and his sister, Anne Salvo, both of Needham, MA. Memorial contributions may be sent to the Mid Peninsula Hospice in Mountain View or the UC-San Francisco Neuro-Oncology Department in San Francisco.

BY MICHAEL MEWHINNEY

## Ames Obituary

### Early space pioneer Harry Goett dies at 89

Harry J. Goett, an early pioneer in America's first missions into space whose career covered three eras of flight: propeller, jet and space, died Jan. 6, 2000 at Stanford University Hospital in Palo Alto. He was 89.



Harry J. Goett

Goett served as chief of the full-scale and flight research division at Ames from 1948 to 1959. At Ames, Goett administered and directed the overall research and study of activities connected with the complex aerodynamic problems encountered by aircraft and spacecraft while navigating the upper atmosphere. Goett often said that this was the most enjoyable period of his life, both professionally and personally.

"Dr. Harry Goett was one of the great technical leaders of our times," said Dr. Stanley F. Schmidt, an early researcher at Ames and former chief of the dynamics analysis branch in the 1950s under Dr. Goett. "He had a unique ability to quickly get to the point and direct complex programs even when they were not in his field. He was also a very great family man and a wonderful friend for nearly 50 years," Schmidt said.

"During Ames' first two decades, four men were at the center of Ames' organizational culture: Smith J. DeFrance, Jack Parsons, Harvey Allen and Harry Goett," said Jack Boyd, executive assistant to the Center Director. "He championed applied research and encouraged his staff to envision new

opportunities for basic research. He was tough, soft spoken and pragmatic."

At Ames, Goett also was involved in research on automatic stabilization, control and guidance, problems of re-entry heating and low density and other engineering factors affecting flight. He was associated with the technical and administrative supervision of research in aerodynamic and engineering problems encountered in flight beginning in 1936, when he joined the National Advisory Committee for Aeronautics, (NASA's predecessor) Langley Aeronautical Laboratory in Virginia as a project engineer.

In 1958, NACA became the National Aeronautics and Space Administration (NASA). Initially, Goett chaired the NASA committee (known as the Goett Committee) that developed the Agency's early space research. Included in the committee's discussions were the national booster program, planning for the man-in-space effort and work on space and re-entry flight research. The Goett committee established a Moon landing and return as NASA's major long-range manned space flight goal. As Goett later remarked, "A primary reason for this choice was the fact that it represented a truly end objective which was self-justifying and did not have to be supported on the basis that it led to a subsequent, more useful end."

Goett served as the first director of NASA Goddard Space Flight Center, Greenbelt, MD, from 1959 to 1965. During his tenure at Goddard, which managed most of NASA's early Earth-orbiting satellite missions, some 35 Goddard satellite projects, carrying more than 100 scientific instruments, were successfully placed into orbit.

In 1965, Goett resigned from NASA and accepted a position as the chief engineer at Ford Aerospace (later Loral). He returned to the San Francisco Bay Area and purchased a home in Los Altos Hills. He played a central role in the development of Ford Aerospace's communication satellite program and traveled extensively throughout the world as the company built satellites for clients in foreign countries. He retired from Ford Aerospace in 1975 and served as a consultant for nearly 15 years to various clients in Europe and Latin America.

Goett was born on Nov. 14, 1910, in the Bronx, New York. He grew up in a

German/American neighborhood where most of his close relatives also lived. His family owned a business that made wood products. His father died when he was 12 and as the oldest male in the household, Goett assumed the responsibility of helping his mother raise his two younger brothers. Goett obtained his B.S. degree in physics at Holy Cross College, Worchester, Mass., in 1931 and an additional degree in aeronautical engineering at New York University in 1933.

In addition to Barbara, his wife of 58 years, Goett is survived by four children, Harry J., Andrew, Ann and Lisa; two daughters-in-law, Angelica and Cathy; 11 grandchildren and one great grandchild.

A vigil service was held Jan. 9, 2000 at Spangler Mortuary, Los Altos and a funeral mass was held Jan. 10, 2000 at St. Nicholas Church, Los Altos. Remembrances may be made to his alma mater, Holly Cross College, Worchester, Mass.

BY MICHAEL MEWHINNEY

### In remembrance

The human resources (HR) office received very sad news on December 14, 1999. Barbara German passed away that morning after complications from a four-and-a-half-year battle with cancer. She was 52.

Barbara German worked at Ames for almost 30 years, primarily in HR. She retired about three years ago. She was the Center's expert in the processing of personnel actions and was dedicated to absolute perfection. She was a close friend of many people in the HR division and elsewhere at the Center and around the Agency. She was part of a true "Ames family." Her father, Bill Morgan, and her husband, Dick German, both retired from Ames after full careers in the wind tunnels. Her daughter Donna and son-in-law Will also both worked at Ames at various times.

Until recently, she was doing very well, and had just attended her son David's wedding, and was looking forward to the birth of Donna's third child.

She requested no memorial services. Donations may be made to the Susan G. Komen Breast Cancer Foundation, P. O. box 97100 Dallas, TX 75397, 1-800-462-9273, <http://www.komen.org>

## Ames Obituaries

### Passing of William (Bill) A. Page

William (Bill) Page died in his sleep during the week before Christmas. He was living alone in Prunedale at the time of his death. He was 73. While the cause of his death is unknown, his health had deteriorated over the past few years, marked by a sudden and drastic appearance of fragile old age.

Page started working at Ames shortly after WW II, and ended his nearly 40-year career at Ames as a branch chief in the space science division, working on activities now falling within the atmospheric chemistry and dynamics branch and the atmospheric physics branch of the earth science division.

Over his long career, Page was an extremely creative and versatile scientist/engineer. Perhaps his most creative years were in the hypervelocity free-flight branch prior to 1972, where he was assistant branch chief, and worked on problems of atmosphere entry of spacecraft, and in particular, on the shock-layer, radiative heating of Apollo and of Jupiter probes. It is believed that Page, more than any other single individual, was responsible for solving the radiative heating problem of the Apollo return to Earth at an entry velocity of 11 km/sec, a problem which was of great concern prior to full-scale demonstration flights. Page did this working in a field in

which he had no formal education. He explored and wrote on radiative transfer in shock layers in which temperature gradients were extreme, foreign (heat shield) species were injected, and chemistry and non-equilibrium processes were active. This work was considered authoritative and was used to estimate the radiative heating to which the Apollo command module would be exposed on returning to Earth from the Moon.

Early in his career, in the 1950s, Page had been assigned to the 2' x 2' transonic wind tunnel branch, which was the first slotted throat transonic wind tunnel at Ames. There, Page devised a self-synchronizing schlieren system for visualizing the flow configuration states of unsteady flows over airfoils, which rapidly switched from one flow configuration to another. Page and his colleagues also performed wind tunnel experiments that verified the area rule concept and extended its application.

A memorial service was held Friday, Jan. 7, 2000, at the Spangler Mortuary on San Antonio Road, Los Altos. His many friends mourn his passing.



William A. Page



Ralph Shawlee

### Ralph Shawlee remembered

Ralph Shawlee passed away December 21, 1999. He was 78. He was a former division chief of Ames' financial management division.

He began his career at Ames in 1965 and retired from the Center in 1982. Shawlee was a pioneer in the recruiting and hiring of women and minorities at Ames. The current diversity existing today within Ames' financial management division is a living legacy of his past accomplishments.

He is survived by his wife, Jean Shawlee, of 52 years, and his children: Mike Shawlee, Randi Alonzo, and Rick Shawlee. He also is survived by six grandchildren.

Funeral services were held December 28, 1999 at the St. Teresas of Alvia Catholic Church in Auburn, California. Ralph will be truly missed by his many friends and relatives.

## Ames Happenings

### New San Jose State University@Work program at Ames

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The curriculum includes many "hands-on" labs, as well as studies in quality management, business systems, and manufacturing classes in several different disciplines including CAD/CAM programming, machining, non-metals/composites fabrication, and electronics.

The goal of the university's manufacturing systems program is to prepare students with a combination of practical skills, theoretical background, experiences, and management concepts for entry into management/supervisory positions in manufacturing industries, businesses or for entry into advanced studies in technology.

Dr. Donald Kirk, dean of the School of Engineering, SJSU, said that the new program is a result of the university's educational partnership with Ames aimed at developing the workforce of tomorrow.

BY MICHAEL MEW HINNEY

### Capacity Office gets new representation

Karl Grundmann, who has worked for 20 years as an air traffic controller for the Federal Aviation Administration (FAA), has joined NASA as Ames' aviation system capacity representative in Washington, D.C.

Grundmann, who will serve as the operational integration manager for aviation system capacity, will serve as a liaison between Ames and the FAA to ensure that Ames' technologies are appropriately integrated into the national air-space system.

During his career, Grundmann worked as an air traffic controller at several airports, including Washington-Dulles, Los Angeles, Burbank, Naval Air Station Lemoore, Sacramento, and also for the U.S. Navy. He has also worked in various capacities for the National Air Traffic Controllers Association (NATCA).

### Astrobiology symposium focused on searching for life

Renowned astrobiologists discussed recent progress in searching for life in the universe at a two-day astrobiology symposium held in December at the Moscone Center in San Francisco. The event was sponsored by the American Geophysical Union (AGU). Introductory remarks were made by Dr. Michael Meyer, NASA's program manager for astrobiology. An overview of astrobiology was given by Dr. David Morrison, director of space at Ames and a discussion of astrobiology and evolution by Ames researcher Dr. Linda Jahnke.

Featured presenters included: Dr. Pocco Mancinelli, The Search for Extraterrestrial Intelligence (SETI) Institute, Mountain View and Ames; Dr. Richard Greenberg, Lunar and Planetary Laboratory, University of Arizona, Tucson, AZ; and Dr. Bruce Funningar, Department of Earth and Space Sciences, University of California, Los Angeles.

Several Ames researchers, including Dr. Robert Wharton (polar environments for life) and Dr. Brad Bebout (microbial communities) were also featured.

Astrobiology is the multi-disciplinary study of the origin, evolution, distribution and future of life in the universe. Ames is NASA's lead center for astrobiology.

BY KATHLEEN BURTON

### Tech Briefs magazine features Ames technologies

The November edition of Tech Briefs magazine featured three articles about technologies developed at Ames. The first one mentioned was "Ceramic SiwBxCyOz Fibers from Organic Si/B Polymer Precursors" by Salvatore Picciello, Ming-ta Hsu, and Timothy Chen. These are improved formulations and processes invented for manufacturing ceramic fibers that exhibit structural stability and retain tensile strength at temperatures up to 1,200 degrees celsius, or even 1,300 degrees celsius in some cases.

The next project that was mentioned deals with the SoloTrek XFV (Exo-Skeleton Flying Machine) by Ed Aiken, chief of the Army/NASA Rotorcraft Division and Michael Mosher of Millennium .bt. This machine is a miniature robotic rotorcraft, which, according to Aiken, will have "a significant market potential for two very different classes of vertical flight vehicles: ultra-small-scale vehicles operating autonomously and larger-scale 'user-friendly' vehicles capable of carrying a significant payload."

The third article discussed was Remote Agent, a state-of-the-art artificial intelligence system for onboard autonomous control of spacecraft. NASA scientists said that the artificial intelligence used in Remote Agent is a precursor to self-aware, self-controlled, and self-operated robots, rovers, and intelligent machines that may one day explore distant planets.

December's issue of Tech Briefs discusses Ames' Personal Satellite Assistant (PSA). The PSA is an autonomous robot which is currently being developed here to support astronauts on future space missions. It is the size of a softball and will be equipped with sensors to monitor environmental conditions in a spacecraft, including oxygen, carbon dioxide, and other gases; the amount of bacteria growth; and air temperature and pressure. Yuri Gawdiak, Ames researcher, said that it is hoped that we will launch a Personal Satellite Assistant in about two years aboard a Space Shuttle, and in about three years aboard the International Space Station.

### National Engineers Week set for Feb 21-26

Visit a school class. Speak to a group of teachers. Shadow a media specialist. Eat a school lunch. All these things, and more, are possible when you participate in National Engineers Week. At the orientation session, you will be armed with ideas for inquiry-based, hands-on demonstrations; a teacher packet jammed with NASA education materials; and some clues for working effectively with students.

Come to the Ames Visitor Center, building N223, at 12 noon on Wednesday, February 9 to attend the National Engineers Week orientation session.

For more information, call Tom Clausen at ext. 4-5544.



## Y2K Transition

### Y2K bug flies right by Ames

As a result of two years of preparation, NASA Ames did not have any major problems associated with Year 2000 (Y2K) during the critical transition period from Dec. 31, 1999 through Jan. 1, 2000.



Protective Services Chief Clint Herbert welcomes the New Year in costume. Herbert was no sillier than the rest of us. He just made the mistake of being caught by the camera.

"Thanks to all of the hard work by Ames' resident staff preparing systems for Y2K, the "Y2K bug" flew right over Ames during the first hours of January 1, 2000 and didn't stop to 'bite,' said Ray O'Brien, Code JI project manager for the Center's Year 2000 readiness effort.

According to O'Brien, the center was well prepared to handle any Y2K problem that may have occurred. The Center had been preparing for the Y2K event for a long time, with the last few months focused on "zero day" preparations. These preparations included contingency plans, updating vendor and personnel call-down lists, and special staffing for the weekend transition into the Year 2000. This was the weekend that all these plans came together.

The Dec. 31-Jan. 1 Y2K transition weekend began early at Ames. At 4 a.m. Pacific Standard Time (PST), on Dec. 31, representatives from the Center's Year 2000 Project Office and Emergency Operations Center began monitoring Ames operations, Y2K television coverage, and status reports from other NASA centers from Ames' emergency operations center located in the airfield operations building.

"It was pretty uneventful from the beginning," said O'Brien, "but we were a bit nervous knowing that Ames' true test, the PST transition, still would not come for several hours."

At 8:00 p.m. PST on that evening, the combined Y2K-EOC team ramped up their staffing to be prepared to deal in advance with any problems that might be reported as other NASA centers made their transi-

tions into the new century. Ames employees monitored conditions for several key systems such as computer networks and telephones. Standby electricians, alarm technicians, facilities personnel, information technology (IT) security personnel, and representatives from many other Center functions were also on hand in case any problems occurred.

To ease the burden of having to work over the holiday weekend, Lilly Blaisdell of Wang Government Services and David Lawrence of Pecon Technologies planned pre-millennium feasts for two large groups of "zero day" personnel located in building 233,



Lisa Lockyer and David Morse of the development and communication office stand by at Ames' emergency operation center to report any Y2K problems. As you can see, they weren't very busy!

vintage 1999 sparkling cider to toast in the New Year and century. When the last second of 1999 passed, poppers cracked, noise makers blared, and glasses were raised. It was now January 1, 2000, and the lights were still on at Ames!

For the next 40 minutes though, the mood became serious, as Ames staff elsewhere on the Center tested their systems for Y2K problems and began calling in their status reports. Fortunately, no problems were found, and the Center reported to the Agency that all its key systems were operational. At 3:00 a.m. PST on Saturday morning, Jan. 1, with no problems to speak of, the emergency operations center was officially deactivated by Clint Herbert, chief of the emergency services office.

Later that morning, other Ames staff came on-site to run tests of important business applications that support various organizations around the Center. Again, the tests were all favorable. The Y2K bug had failed in its one last chance to bite.

By CYNDI CARBON



Lynne Engelbert's search dog, Lucy, made a starring appearance as the Y2K9. She certainly wore the headdress better than anyone else.

the Central Computer Facility, and building 158, the airfield operations building. With CNN on the television, dinner provided, and good reports from all other time zones, the mood was festive, as all knew that computer problems or not, the transition into the Year 2000 was a special event.

By 11:00 p.m. PST, the NASA Centers in the Eastern and Central Standard Time zones had reported that no significant Y2K-related problems had been encountered; now all that the Ames on-site staff could do was wait until it was time for the PST transition. Fortunately, someone in building 158 had thought to bring in some party favors and bottles of sparkling apple cider to celebrate the New Year. As the midnight hour drew near, most of the staff in building 158 grabbed a hat, noise maker, and plastic glass of



Y2K Project Manager Ray O'Brien celebrates the New Year and Ames' "no problem" green status.

## Calendar & Classifieds

### Calendar

**Ames Bowling League** in Palo Alto Bowl every Tuesday at 6 p.m. Season ends April 25 with a banquet the week after. The league is in need of bowlers to join teams, as well as substitutes. POC: Mina Cappuccio, mcappuccio@mail.arc.nasa.gov, at ext. 4-1313 or Mike Liu, mliu@mail.arc.nasa.gov, at ext. 4-4357.

**Model HO/HON3 Railroad Train Club at Moffett Field** invites train buffs to visit & join the club in Bldg. 126, across from the south end of Hangar One. The club is in particular need of low voltage electricians & scenery builders and maintainers. Work nights are usually on Friday nights from 7:30 p.m. to 9:30 p.m. Play time is Sunday from 2 p.m. to 4 p.m. For more info, call John Donovan at (408) 735-4954 (W) or (408) 281-2899 (H).

**Jstream Toastmasters**, Mondays, 12 noon to 1 p.m., N-269/Rm. 179. Guests welcome. POC: Samsong Cheung 4-2875 or Lich Tran 4-5997.

**Ames Child Care Center Board of Directors Meeting**, Wednesdays, 12 noon to 1 p.m., N-213/Rm. 204, POC: Debbie Wood at ext. 4-0256.

**Ames Ballroom Dance Club**, Tuesdays: Two Step (started 1/18), West Coast Swing 1/25, 2/1, 2/8, Waltz 2/15, 2/22, 2/29. 3 levels of classes, from Beg. to Int., 5:15 - 6:45 p.m. Moffett Training & Conference Center, Bldg. 3/ Showroom. Women dancers are especially encouraged to join. POC: Helen Hwang, hhwang@dm1.arc.nasa.gov.

**Native American Advisory Committee Mtg.**, Jan 24, 12 noon to 1 p.m., Ames Caf . POC: Mike Liu at ext. 4-1132.

**Java User Group**, Jan. 26, 1:30 pm, Bldg. 258, Rm. 127. Topic: Java 2D API, by author and Sun engineer Vincent Hardy, POC: Sharon Marcacci, ext. 4-1059; http://jug.arc.nasa.gov

**Ames Contractor Council Mtg**, Feb 2, 11 a.m., N-200 Comm. Rm. POC: Jack Stanley at ext. 4-2345.

**Environmental, Health and Safety Monthly Information Forum**, Feb 3, 8:30 a.m. to 9:30 a.m., Bldg. 19/Rm 1078. POC: Linda Vrabel at ext. 4-0924.

**Hispanic Advisory Committee for Employees**, Feb 3, 11:45 a.m. to 12:30 p.m., N-241/Rm 237. POC: Mary R Valdez, at ext. 4-5819.

**Ames African American Advisory Group Mtg**, Feb 3, 11:30 a.m. to 12:30 p.m. POC: Robert Finnie at ext. 4-5230. Contact Robert for meeting place.

**Nat'l Association of Retired Federal Employees, San Jose Chapter #50, Mtg**, Feb 4, at the Elk's Club, 44 W. Alma Avenue, San Jose. Social hour: 10:30 a.m. Prog. & bus. mtg. follow lunch at 11:30 a.m. POCs: Mr. Rbd Peery, Pres. (650) 967-9418 or NARFE 1-800-627-3394.

**Ames Sailing Club Mtg**, Feb 10, 11:30 a.m. to 1 p.m., N-262/Rm. 100. POC: Stan Phillips, ext. 4-3530.

**Professional Administrative Council (PAC) Mtg**, Feb 10, 10:30 a.m. to 11:30 a.m. Location TBD. POC: Janette Pocha, ext. 4-3371.

**NFFE Local 997 Union General Mtg**, Feb 16, noon to 1 p.m., Bldg. 19/Rm. 2017. Guests welcome. POC: Marianne Mosher at ext. 4-4055.

**Ames Amateur Radio Club**, Feb 17, 12 noon, N-260/Conf. Rm. POC: Mike Herrick, K6EAA at ext. 4-5477.

**Ames Asian American Pacific Islander Advisory Group Mtg**, Feb 17, 11:30 a.m. to 1 p.m., N-241/Rm. B2. POC: Daryl Wong, ext. 4-6889 or Brett Yu, ext. 4-0911.

### Ames Classifieds

Ads for the next issue should be sent to [astrogram@mail.arc.nasa.gov](mailto:astrogram@mail.arc.nasa.gov) by the Monday following publication of the present issue and must be resubmitted for each issue. Ads must involve personal needs or items (no commercial/third-party ads) and will run on space available basis only. First-time ads are given priority. Ads must include home phone numbers; Ames extensions and email addresses will be accepted for carpool and lost & found ads only. Due to the volume of material received, we are unable to verify the accuracy of the statements made in the ads.

#### Housing

Room for rent in house in midtown Palo Alto. Kitchen, bathroom & pool privileges. Tenant must be orderly, N/S. \$600/mo. Dr. Jim Stevenson, ext. 45720.

For sale by owner. \$529K, small horse ranch for sale near Watsonville. Royal oaks, California scenic rural area. 3 acres w/trees & lots of open space. 3 bd/2 ba home/family room w/fireplace. Front/rear decks w/hot tub room. 2 car garage w/laundry room & storage rm. Barn, tack rm, corrals, workshop/electricity. Property fenced & outside lighting. Pn (408) 736-2150. Lv msg or call (831) 722-0130.

Seeking animal-loving, female housemate to share bright, clean 2 bd/2 ba home in Scotts Valley w/a German Shepherd, three cats & one human (female). Safe, park-like atmosphere w/pool, hot tub, & sauna. One non-cat-chasing dog is also welcome. \$525 + half utils. Janna (831) 439-9497.

Award-winning NASA contractor seeks room to rent in house close to Ames. I am a male in my late 20's and am a non smoker, have no pets but love animals. Can afford to pay \$550 a month plus my share of utilities. Can give you at least a one year commitment. Bob (408) 365-9133.

New employee seeking 2-bedroom apartment or house to rent starting Jan. 15 - Feb 1, within 45-minute rush-hour commute. Prof1, non-smoker, references. E-mail jhn at: X15243@earthlink.net or tv message at (626) 796-1681.

3 bd/2ba Mtn View house for rent. Available in Feb. No pets. \$2,400/mo. + dep. Call (650) 988-7024.

Room for rent in Santa Clara house. Cute 2 bd/1 ba, yard/garden. Kitchen, bath & laundry privileges. 9 mls to Moffett. Tenant must be N/S, like cats. Prefer female. \$750 per mo. Jan (408) 557-9525.

Room for rent in Fremont. Quiet, non-smoker, non-drinker-looking for same. Washer/dryer, yard, nice neighborhood, own bath. Near 880/Dumbarton bridge. \$500/mo + half utils. Kathie (510) 226-2428, or (510) 797-7442.

M1. View townhouse sublet: Nicely furnished, remodeled 2 bd/2-1/2 ba, near Middlefield/Rengstorf. \$1,700/mo plus utils. Backyard pond & patio. \$1,000 dep. Avail: Feb 15 thru March 31 & maybe June. Jff (650) 964-0496.

San Francisco based female professional relocating to the bay area. Seeking ideal roommate situation in a house allowing 2 cats. Up to \$1K/mo. Call (650) 941-6477.

#### Transportation

'85 Mitsubishi 4WD pickup, 5-speed, 101K mls, orig. owner, all records, BacPac shell, Sony pop-out stereo, PS, new carburetor & fuel pump, straight body, \$3,500 or B/O. Call (408) 945-3917, or e-mail: nengim@pal.org

'88 Chrysler LeBaron 4-door, immaculate; p/s & a/c, 85K miles; rosewood w/vinyl top, burgundy interior. \$2,950. Call (650) 948-9072.

'92 Maxima SE, exc. condition, 76K mls, leather interior, ABS, moonroof, rear Spoiler. \$9,000. Call (510) 429-1829.

'96 Ford Windstar GL 3.8L, green, power windows & door locks, AM-FM w/tape & CD changer, privacy glass, 49K mls, great condition. \$13,250, Ralph (408) 730-4630.

#### Miscellaneous

Will mouse for food: Needed--people willing to share their home/property w/Ames cats. Abandoned, sterilized cats must be relocated away from Ames wetlands asap. They need shelter, food, water & tolerance to live out their lives. Lv msg: (408) 739-3171.

Les Miserables dream cast in concert at Royal Albert Hall, VHS tape viewed once, \$10. Call (408) 295-2160.

Marklin train set, mounted on 76"x37" track board & 6" high on wheels. Fits under single bed. Egg crate construction for it. weight & min. flex. \$99. Bob (408) 739-7955.

Sigma telephoto zoom lens, 70-300mm, F4-5.6, DL Macro for Minolta AF. Vivitar electronic flash, 636 AF M1 for Minolta 7000i, 7700i, 3000i, or 3300i. Never used. Tom (877) 473-1070. Lv. msg.

Snow chains for various tire sizes. 3 sets available at \$20 each. Kristina (408) 307-1424 or (408) 629-0487.

Ski racks: Barreccrafter model SF7 1 w/locks. Fits cars w/ gutters. Like new. \$64 (\$110 new); Thule model 710 w/locks. Requires fit kit for your car. Like new \$84 (\$135 new). Dave (408) 356-1175.

ISDN LAN modem, 3COM OfficeConnect combination ISDN modem/hub. Supports 4 10BaseT port w/IP address translation, 2 POTS phones & 128kbps. Can configure as DHCP server for 10 devices or use static addresses. Needs ISDN phone line. \$75. Alex (650) 326-8880.

Hot Springs portable 5 person spa; 110v; \$1,450; Jim (408) 255-2301.

BIC record changer. Good stylus. Needs drive belt. Free. Call (408) 945-3917.

Woodburning fireplace insert--Convexor Zero brand, glass doors, attractive unit in gd cond. \$150 or B/O. Shelley (408) 225-7495.

Magellan 300 GPS. Find location anywhere using satellites. Waterproof, pocket-sized, graphic display of distance, heading, speed, elevation. Save 100 landmarks, 10 legs. One year old, used one hour. \$75. Jim (831) 335-2450.

24x ACER/BDEC/D Rm w/cables and manual. \$25. Call (408) 295-2160.

Leather chair & ottoman, overstuffed, dark green, very good condition, \$800 or B/O. Call (650) 625-1196 M-F eves or any time Sat-Sun.

### Ames Retirements

Name	Code	Date
William K. Chun	FMX	01-03-00
Guy V. Ferry	SSP	12-31-99
Howard E. Goldstein	AS	12-31-99
Jhn J Givens	S	12-31-99
Susan C. Mead	SS	12-31-99

#### Vacation rental

Lake Tahoe-Squaw Valley townhouse, 3bd/2ba, view of slopes, close to lifts. Wkend \$470, midwk \$175 night. Includes linens, firewood. Call (650) 968-4155 or email: DBMKellar@aol.com

Ski Telluride, 7 nights lodging, all air & ground transportation, \$775. One spot available from Sat. Feb 5th thru Sat. Feb 12, 2000. Mike (408) 733-5851.

#### Carpool

Carpool partners wanted to share driving & riding from San Francisco to Ames. Benny, ext. 4-5432 or email bcheung@mail.arc.nasa.gov.

#### Lost & Found

Moffett Field Lost and Found may be reached via ext. 4-5416 at any time. Residents and employees at Ames may also use Internet browser at: <http://cct.arc.nasa.gov/oddep/pages/lostFound.html> to view a list of found property and obtain specific instructions for reporting lost or found property and how to recover found property. Call Moffett Field security police investigations section at ext. 4-1359 or email at: mtfine@mail.arc.nasa.gov.

### Ames radio info for employees

1700KHz AM radio--information radio announcements for Ames employees during emergencies.

### Astrogram deadlines

All Ames employees are invited to submit articles relating to Ames projects and activities for publication in the *Astrogram*. When submitting stories or ads for publication, submit your material, along with any questions, in MSword by e-mail to: [astrogram@mail.arc.nasa.gov](mailto:astrogram@mail.arc.nasa.gov) on or before the deadline.

DEADLINE	PUBLICATION
TUES, JAN 25	MON, FEB 7
TUES, FEB 8	MON, FEB 21
TUES, FEB 22	MON, MAR 6

## Events & Miscellaneous

### Ames receives community service award



The Santa Clara County Board of Supervisors, in conjunction with CalWORKs (a division of the Santa Clara County Social Services), recently held an awards ceremony to recognize Ames for its outstanding contributions to the community.

The ceremony honored Ames for its commitment to the community providing work experience and employment opportunities for participants in the CalWORKs Employment Services Program.

Ames was one of three employers in the county to be recognized with this annual award. Mary Bravo, coordinator of Ames' A Beginning to Lasting Employment (ABLE) program, accepted the award on behalf of Ames. The award was presented to her by Santa Clara Supervisor Joe Simitian.

*Mary Bravo accepts the award on behalf of Ames from Santa Clara County Supervisor Joe Simitian at the awards ceremony held Dec. 7.*

### Weight Watchers open house

Did you gain more than gifts for the holidays? Or were you waiting for the New Year to make that resolution? We can help! Learn about improving your eating habits, and the benefits of exercise. Join us for an open house with the Weight Watchers at Work program on Monday, January 31 at 11:30 a.m. in the Galileo Room at the Ames Café.

We will need a minimum of 18 people and a maximum of 30 people to sign up for

the 10-week program, which will begin on Monday, February 7. We meet every Monday at the same time and location. The cost for the 10 weeks will be \$99.50, and there will be an option to renew at the end of that time if enough people wish to continue.

Call Dana Davidson at ext. 4-0584 if you have any questions.

### THE AMES **Astrogram**

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**Managing Editor.....David Morse**  
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### THE AMES **Astrogram**

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