Local communities embrace Ames’ outreach efforts

Ames’ 60th birthday anniversary is now in full swing. Rather than restrict the celebration to on-site employees, a series of recent outreach efforts have opened up the party to residents of local communities. Judging by the crowds and the support that has been received, the perception of Ames as a more user-friendly, community-oriented organization is going over big with regional residents.

On June 6, we kicked off the current series of outreach activities with a free symphony at the Flint Center at De Anza College. Co-sponsored by Ames, the San José Symphony and their own “Project Music” program, the evening was an entertainment extravaganza with its combination of multimedia visuals and musical interludes.

Seth Shostak of the SETI Institute served as the master of ceremonies for the evening. Rumor has it that he flew in directly from a recent gig on Comedy Central. He introduced Jack Boyd, assistant to the Ames center director, who showed an 8-minute video on the history and accomplishments of the Center. Boyd then used a series of anecdotes and stories drawn from his vast experience at Ames to tell the audience of the evolution of the Center and its contributions to the nation.

McDonald followed Boyd with a brief overview of Ames’ new missions and his vision for the future. “The second-most-sexy Scot alive,” a bit flustered by Shostak’s introduction, quickly recovered to sketch a compelling picture of the technologies and the research contributions that Ames will make to the region and the country over the NEXT 60 years.

Following Shostak’s humorous and thought-provoking analysis of both astronomical research and Gustav Holst’s “The Planets,” it was time for the main show. It did not disappoint!

In a darkened auditorium, the audience was drawn into the video presentation while listening to Holst’s musical interpretation as rendered by the symphony, skillfully hidden from view behind the stage curtain. It was an inspired, dual-flank assault on the body’s visual and auditory senses. In the words of the symphony’s operations manager, it was both “spine tingling” and “breath taking.” A standing ovation from the 2,000 plus attendees gave testimony to their verdict.

All-too-soon, the symphonic presentation was over, the program was completed and the crowd was treated to a slice of birthday cake upon their departure from the auditorium. A shelter for the homeless and less privileged gratefully accepted the remaining cake that was not consumed.

On the same weekend as the symphony performance, Ames sponsored a large tent and series of exhibits at the Sunnyvale Art and Wine Festival. An estimated 9,000 visitors toured the exhibits. 

Cakes donated by the Ames Exchange celebrate the Center’s “60 Years of Excellence.”

Ames employees and their families lend an ear to the San José Symphony’s rendition of Gustav Holst’s “The Planets.”

continued on page 5
1999 Length of Service awards ceremony held

The 1999 Length of Service Awards ceremony was held on June 8 in the Main Auditorium (N201). Employees who reached a total of 25 years or more of Federal Service by the period July 1, 1998 to June 30, 1999 were recognized. A complete list of honorees follows.

35 Years of Service
Ester L. Bugna
Glenn C. Carle (Retired)
Richard C. Carlson
Charles R. Castellano
Benny Chin
Angela M. Clark
Thomas J. Coakley
Bonnie P. Dalton
Philip M. Facciola
James C. Gonsalves
Robert W. Jackson
Gerd Kanning
George Meyer
Charles E. Morris, Jr.
Kazuko J. Nozaki
Ruben Ramos
Felton Smith

30 Years of Service
Edgar O. Beauty
Theodore E. Bunch
Mladen Chargin (Retired)
Judy E. Choate
William K. Chun
Munro G. Dearing III
Gustave Gold
John L. Holmberg
Jeanne L. Jarvis
Nancy L. Johnson
Earl B. Le Mar
Robert D. MacElroy
Barbara L. McCalment
Susan C. Mead
Legrand E. Morgan
Robert J. Navarro
Joe R. Paz, Jr.
Irving C. Statler
Gerald Temple
Felipe Ugale

40 Years of Service
Gerald M. Mitvalsky
David A. Stewart

45 Years of Service
Luigi S. Cicolani
Q. Marion Hansen
James A. Laub
Philip R. Nachtsheim

50 Years of Service

Gerald Mitvalsky, who received an award for 45 years of service, is shown here (center) with his wife after the award ceremony.
**Center Briefs**

**FUSE spacecraft will search for 'fossils' of the Big Bang**

Scientists will soon have a new tool to search for the "fossil record" of the Big Bang and uncover clues about the evolution of the universe. Scheduled to launch June 23, NASA’s Far Ultraviolet Spectroscopic Explorer (FUSE) will observe nearby planets and the farthest reaches of the Universe and will provide a detailed picture of the immense structure of our own Milky Way galaxy. The FUSE mission’s primary scientific focus will be the study of hydrogen and deuterium (a different form of hydrogen), which were created shortly after the Big Bang. With this information, astronomers will be able to look back in time at the infant universe and hopefully better understand the processes that led to the formation and evolution of stars, including those that comprise our solar system.

**NASA selects key space flight managers**

NASA Associate Administrator for Space Flight Joseph Rothenberg has announced several management changes, effective immediately, in the Office of Space Flight at NASA Headquarters, Washington, DC. William Ready, former Director for Space Shuttle Requirements, has been appointed Deputy Associate Administrator for the Office of Space Flight. Michael Hawes, formerly NASA’s chief engineer for the space station, has been named Deputy Associate Administrator for Space Development (Space Station). Norm Starkey has been named Director for Space Shuttle Requirements.

**FUSE mission**

The "cost-plus-fixed-fee/incentive fee" contract, including all options, will be increased in value by $47,504,325 to approximately $80.5 million. The eight-year contract, awarded in October 1996, included a one-year base period, followed by seven-one year options. In addition to the IV&V facility, work under the modified contract will also be performed at the Ames Research Center, Moffett Field, CA. The contracts were awarded to Intermetrics Inc., of Vienna, VA, to provide independent verification and validation of selected NASA program software in support of the NASA Software Independent Verification and Validation (IV&V) Facility, Fairmont, West VA.

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**San Jose State University Professor to be featured speaker at annual GALA event**

Wiggsy Sivertsen, Professor of Counseling Services in the Department of Sociology at San Jose State University, will be the keynote speaker at the Center’s annual GALA advisory group, “Gay Pride” month celebration on June 24 from 11:30 a.m. to 1 p.m., in the auditorium, room 172, Bldg. 233.

Sivertsen is co-author of two publications, entitled “Visible and Invisible Differences--Issues in Psychotherapy with Gays and Lesbians” and “Each Child that Dies...Gays and Lesbians in Your Schools.” The texts were published for use at San Jose State University’s College of Education.

Sivertsen has received numerous awards, some of which include: California State Assembly “Women of the Year”; Women’s Fund; San Jose Mercury News “Women of Achievement in Education”; and the “California State Special Recognition Award For Service to the Lesbian and Gay Community” awarded by Senator David Roberts, State Pro Tem California State Senate.

She is recognized throughout the Bay Area community as a founder and board member of various task force and support groups such as: Open Mind Network, Inc., the Santa Clara County AIDS/KS Foundation, San Jose City Affirmative Action Committee, Santa Clara County AIDS Task Force, Santa Clara County Domestic Violence Women’s Issues, and Parents & Friends of Lesbian & Gays (PFLAG) to name a few.

Sivertsen received her masters degree in Social Work from Tulane University in New Orleans, Louisiana, and a Bachelor of Arts Degree in Sociology at San Jose State University. Her areas of study included counseling services, sociology, psychotherapy, diversity, and multicultural education.

Sivertsen is the founder of “Advocates for Lesbian, Gay & Bisexual Youth” which provides legal representation for gay, lesbian and bisexual youth who are discriminated against in the school system.

In addition to being a teacher and writer, Sivertsen is currently conducting diversity workshops and keynote addresses to many of the major corporations and educational institutions within the San Francisco Bay Area.

**Ames modifies contract award for software verification**

Ames has modified its contract with Intermetrics Inc., of Vienna, VA, to provide independent verification and validation of selected NASA program software in support of the NASA Software Independent Verification and Validation (IV&V) Facility, Fairmont, West VA.

The "cost-plus-fixed-fee/incentive fee" contract, including all options, will be increased in value by $47,504,325 to approximately $80.5 million. The eight-year contract, awarded in October 1996, included a one-year base period, followed by seven one-year options. In addition to the IV&V facility, work under the modified contract will also be performed at the

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A least one fifth of the machining and finishing time was lopped from the hours needed to make crucial wind tunnel scale models ever since nine Ames milling machines were upgraded with new computer numerical controls and related systems. A milling machine is a tool that holds a work piece in a carriage and feeds the part against rotating cutters.

Model making is an extremely important step in the aircraft design cycle. The models of advanced airplanes and aerospace parts manufactured at Ames are instrumented with sensors and placed in wind tunnels. Air is blown around the models to simulate their flight. Aerospace engineers then analyze data, such as airflow and pressures, to determine how well the design is working and if design changes must be made. Because of the critical need for extremely accurate wind tunnel data, the models must be as close as practical to the design.

"Four high-speed research programs, 1.7 percent-scale stainless steel airplane models with a 2 thousandth of an inch tolerance were made with the retrofitted mills," said Code FMX Branch Chief James Alwyn. "To do this kind of work, it is important that we have very advanced programming capabilities and machine control. Before refitting the milling machines, model makers machined only to a five thousandth of an inch tolerance, and we had to do extensive hand work to finish the models," Code FMX is the Developmental Machining and Electromechanical Instrumentation Branch.

"The revitalized milling machines translate directly into significant savings for Ames programs," Alwyn said. "We do machining here that is unique to most manufacturing operations. Mold machining most closely resembles our work, but in a rudimentary way. The nature of our jobs includes three-dimensional, sculpted surfaces, with many curves. The cutters on our mills must move continuously at constant surface speeds; our past computer controllers did not enable the machines to do that," he said.

Because tolerances are tight on the wind tunnel models, thermal expansion of the models being milled was an issue before the mills were retrofitted. Linear scales replaced rotary measurement systems on the milling centers, almost eliminating thermal expansion problems.

"Because we are not in a thermally stable environment, we used to have to deal with heat-related contraction and expansion; but the new linear scales are made of very heat-stable quartz and enable the machine to maintain tolerance," he said.

In 1995, after a year of study, managers decided to modify Ames’ nine milling machines. The mills had various computer controllers on them, each made by a different manufacturer. The oldest controller was made in 1968. The mills range from three-axis to five-axis machines.

"We needed a computer numerical controller (CNC) with a large amount of memory," said one lab manager. "That's because we often perform program editing at the shop level, and do not use your run-of-the-mill programs; some of our programs occupy 25 megabytes of memory and involve complex surfacing." A computer numerical controller is a computer system that directs machine movement. The new CNCs have hard drives bigger than a gigabyte.

The new computer controls also are advantageous because the same system is used on all the mills, reducing training time. The new system helps machinists because they have more time to learn about machine capabilities instead of having to learn multiple computer systems. In addition, the CNCs are extremely reliable, reducing machine downtime and costs.

Models are finding their way into the wind tunnels faster than before. "When we are able to manufacture a new model aircraft that demonstrates drag reductions of even one or two percent, it makes a major difference in real fuel economy," Alwyn said.

How to report safety hazards

The Safety, Health & Medical Services Office has recently developed two new and convenient ways to report safety hazards. If you are aware of an unsafe or hazardous condition at Ames, notify your supervisor immediately. In addition, call the Safety, Health and Medical Services Office at ext. 4-0268. However, you may wish to report the hazardous condition anonymously by submitting a Hazard Report or by calling the Safety Hotline.

The Hazard Report can be found at the Code Q website, http://q.arc.nasa.gov.

This simple web form allows you to report safety hazards to the Safety Office and remain anonymous. You can also find a printed version of the Hazard Report posted in your building that you can mail to the Safety Office.

The Safety Hotline, also anonymous, will connect you to an answering machine that is checked on a daily basis. You can call the Safety Hotline from any NASA Ames phone by dialing ext. 4-SAFE (ext. 4-7233) or from any offsite phone by dialing ext. 4-7233.

Please take every opportunity to prevent accidents by making the Ames Safety Program your program. Report safety hazards immediately. Don’t wait for someone else to be injured. Your action may be another person’s only chance to go home safely.
NASA live robotics internet course to begin June 30

NASA, the University of North Dakota (UND) and Western Governors University are collaborating to offer the "NASA Robotics Short Course" that will enable students to attend a virtual classroom on the Internet. Each lesson will involve a robotics expert who also works on a NASA project. Western Governors University is a "cyber university," located on the Internet.

The eight-session course will begin June 30, and will continue through September 2. The lessons include webcasts, chat sessions, video clips, web slides and follow-up question-and-answer sessions. The course is produced by NASA's Learning Technology (LT) project at Ames.

"This Internet format will allow students, from the comfort of their homes and offices, to interact directly with experts actively involved in some of the most exciting robotic fields," said Dr. Alan Federman, manager of NASA Robotics Online at NASA Ames.

"In the future, we'll need a workforce with an advanced understanding of robotics," said Tom Dyson, an engineer with the NASA LT project. "It is NASA's responsibility to not only create, but to communicate new knowledge, and we see this course as part of that effort."

Brian Cooper, of NASA's Jet Propulsion Laboratory, Pasadena, CA, who was the primary driver for Pathfinder-Sojourner's three-month mission on Mars, is one of eight experts with whom students can chat. Another expert is Guy Beutelschies, spacecraft systems engineer for the Mars Surveyor 2001 orbiter and lander. He is with Lockheed Martin Aeronautics, Denver, CO. Dr. Steve Gorevan of HoneyBee Robotics, New York, NY, will discuss his role as project manager in building the robotic drill for the Mars Surveyor 2001 rover.

To participate in the course, students will need at least an Internet-connected major web browser capable of supporting Java. Students will also need at least a 28.8 kbps computer connection (modem) to see video that will feature the presenters.

The enrollment deadline is June 30. To find out about course tuition and fees, and to sign up for the NASA Robotics Short Course, students should go to this Internet address: http://quest.arc.nasa.gov/courses/nro

The goal of the LT project is to promote the growth of a national information infrastructure using the vast amount of information NASA has acquired since its creation. Access to this knowledge will allow the public and industry to contribute to rapid and significant advances in science, engineering and technology.

For additional information, contact Alan Federman at Ames at ext. 4-1521 or email him at afederman@mail.arc.nasa.gov

BY JOHN BLUCK

Local communities embrace Ames’ efforts

displays, viewed videos and learned about the history and future of Ames. On June 10, Ames hosted a triumvirate of events in celebration of Flag Day. In cooperation with KSFO radio station, San Francisco, the world’s largest American flag, measuring some 600 by 300 feet was unfurled on the Ames flight apron in front of Hangar 1. Over 1,000 volunteers eagerly participated in the exciting unfurling event.

Meanwhile, the Young Eagles spent the day providing free airplane rides to young adults, aged 8 - 17. It was an opportunity for youths that would otherwise not have the experience of riding in an airplane to get a taste for the sense of adventure experienced by our aeronautical pioneers.

Finally, local law enforcement agencies teamed up with United Airlines in a special Airplane-Pull competition to raise money for an estimated 1,200 participants engaged in local Special Olympics activities. The Ames Exchange sold family-priced hot dogs, hamburgers, beverages and Ames memorabilia to event attendees. Other vendors displayed their wares and sold a series of aeronautics and flag-related products. The Moffett Historical Society was on hand to sell tickets and provide information about the first “Wings Over Moffett” airshow. This recent series of events drew total crowds estimated to be in excess of 20,000. It gave our visitors and guests the opportunity to learn about Ames projects and history, and to get a glimpse of what the future may hold.

BY DAVID MORSE

5K/Fun Run series results

They are finally in! The 5 K/Fun Run series points have been calculated and the results are up in the hallway of the Fitness Center. Series points were accumulated from the February 5K, March 5K, April 5K, 2 mile Fun Run, and Spring 10 K races. Participants in the series had to complete at least 2 races in order for their points to be tallied. Congratulations to all who ran consistently hard throughout the past few months.

First Place
Beverly Sauer
Sylvia Chen
Leigh Ann Tanner
Carol Davies
Doug Isaacson
Swight Balough
Jeff Bull
Rudy Jaklitsch
Richard Lamparter

Second Place
Cathy Pearl
Lisa Reid
Joan Salute
Laurent Nguyen
Phil Luna
Bob Kufeld
Richard Piquette
Norm Benford

Third Place
Kristin Southall
Lynn Martin
Susan White
Johathan Corero
Mike Rogers
Harold Reimer
Wes Gidcumb

June 15 will be the next monthly 5 K run or 2 mile walk/run. After that run, certificates will be given to the top 3 winners of each age/gender category for the 5K/Fun Run series. Hopefully, the series has helped motivate you in your workouts. The monthly runs/walks will continue to be held the third Tuesday of every month. Mark your calendar for those dates. Monthly 5K runs/ 2 mile walks are free and start from the Fitness Center at 12:00 noon.

BY JOHN BLUCK

Retiree passes...

Myles D. Erickson of Belingham, WA, passed away on May 18 of this year. He was 80. Erickson was employed at Ames from 1941 - 1974. He was an aeronautical engineer involved in wind tunnel research and the Pioneer program. He is survived by his wife June Erickson, son Jon, daughters Joan and Jean and 6 grandchildren and 3 great-grandchildren.
Our first stop was an outdoor “museum” of electric lines, retains its ancient character. and, except for the presence of cars and electric lines, retains its ancient character. and, except for the presence of cars and electric lines, retains its ancient character. and, except for the presence of cars and urban sprawl, retains its ancient character.

Once we left Moscow, the scenery changed dramatically. Our route east was lined with thick birch and pine forests. In one area, we passed women sitting along the side of the road in front of their houses, every few yards, with huge bags of Russian popcorn for sale. Our guide explained that many people get paid by their employers with whatever product the company produces, rather than in money. So these women were given bags of popcorn, which they then sell in front of their homes. Some had small bags, but the place we stopped had only huge bags weighing a kilogram (2.2 pounds). The bags must have been 3 feet high and 2 feet in circumference. Russian popcorn is nothing like American. It is slightly sweet, very light and airy, and resembles in shape the styrofoam “worms” used as packing materials. Later, I saw people along the road selling stuffed animals, from small ones to huge blue bears, all wrapped in plastic to protect them from the elements.

We reached Vladimir in about three and one-half hours. This town (current population 80,000) was the 12th century capital of Russia before the Mongol invasion. We passed under the “Golden Gate,” a white limestone entrance to the old city, then passed under the “Golden Gate,” a white limestone entrance to the old city, then passed under the “Golden Gate,” a white limestone entrance to the old city, then passed under the “Golden Gate,” a white limestone entrance to the old city. Then we walked several blocks in the cold and dark – there are no streetlights – to reach the bus. On the way, we passed a couple of people offering horseback rides and a horse-pulled sleigh. The driver declined to give us a ride, saying his horse was too tired. It was surprising to see someone putting his horse’s needs ahead of his desire to make money.

Dinner was at a small restaurant about a 15-minute drive from the hotel, near another of the monasteries. This was a typical Russian meal: cabbage salad, bread, meat and potato soup, blini (Russian pancakes) with caviar, a boiled potato, and a terra cotta pot filled with sun-dried tomatoes and a small amount of meat. Hot tea or coffee completed the meal. It has been said that Russians get 40% of their calories from bread and 10% from potatoes. I think the potato estimate is a trifle low.

The next day we headed for Gus-Khrustal’nii, the center of Russia’s crystal trade, about 40 miles from Vladimir. Looking back at Vladimir, we could see the beautiful Cathedral of the Assumption, with its 5 golden domes, high on the banks of the river. The drive was beautiful, through a very rural area, with few cars and only scattered small villages. I saw more brightly colored houses along the way. Most of these country houses have very decorative wood trim around the windows, often painted a contrasting color to the house. I asked our guide about the reasons for the colors and for the scrollwork around the windows. She said the colors were chosen based on whatever paint was cheapest; it wasn’t an attempt to add color to a drab landscape. And the scrollwork has its origins in paganism, when people used to believe that evil spirits could enter a home through the windows. The scrollwork was designed to keep these spirits out of the house.

Next, we visited the outdoor crystal market. Vendors there work at the crystal factory, or have relatives who do, and they are paid in merchandise rather than money. Prices are very low. For example, one can buy a set of 6 decorated shot or vodka glasses for about 20 rubles or less than $1. Nearby was a market where everything imaginable was being sold: shoes, clothes, hats, underwear, hardware and dog food.

From the market, we went to a crystal museum, housed in a converted church. During the communist era, the onion dome was closed by the Soviets in 1923. Now being renovated, the church includes frescoes that date to the 13th century.

We saw several Russians using sleds to pull their children along and to transport goods. In some respects, this area hasn’t changed much in hundreds of years.

After making our way across a pedestrian bridge to the city’s kremlin, we were taken into another old building that was used for a variety of church purposes over the years. “Kremlin” is the Russian word for fortress. We toured, according to the guide. It was first built in 1158, although much of it was later destroyed in a fire. A new church was built around the old one. Parts of the 12th century frescoes can still be seen inside on interior walls. Restoration of the frescoes will soon begin, and scaffolding was set up in some areas already. Our final stop was St. Dmitry Church just a few yards away. The outside of the church is covered top to bottom in plastic to protect them from the elements.

Editor’s Note: This is part III of our colleague Ann Hutchison’s messages “home” from her temporary NASA assignment in Moscow, Russian Federation.

Human Interest

Life in Moscow

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### Ames Classifieds

**Captains:**
- For sale: 1bd/1ba condo in Los Gatos. Ideal for a single senior (55 or older); 20 min to Ames on H85; 816 sq ft; plus 110 sq ft; patio; wooded court yard view; new bathroom; recently upholstered 4 pc sectional shape $15. Call (408) 295-2160.

**Housing**

**Miscellaneous**
- Room for rent: Available July 1, South San Jose (Santa Teresa and Lean), near H85/871/101, shopping. Fully furnished, new W/D, phone and cable ready, $550/mo., $175/dep., 1/4 utilities. Call (408) 814-0316 pager.

**Transportation**
- '94 Honda CBR600 with matching helmet and gloves; 500 miles; never downed; $5,800 or B/O. Call (415) 362-3972 ext. 12.
- **American Airlines certificate, 48 states and Canada, min. 21 day advance booking, any dates except Thanksgiving and Christmas, valid until December 31, 1999, $139. Call (408) 358-8562.**

**Events & Classifieds**

**The Ames Astrogram — 7 June 21, 1999**

### Calendar

**Jetstream Toastmasters,** Mondays, 12 noon to 1 p.m., N-213/Rm. 204. POE. Debbie Wood at ext. 4-0709.

**Environmental, Health and Safety Monthly Information Forum,** Jul 1, 8:30 a.m. to 9:30 a.m., Bidg. 19/Rm. 1078. POC. Linda Vielbe at ext. 4-0924.

**Hispanic Advisory Committee for Employees,** Jul 1, 11:45 a.m. to 12:30 p.m., N-241/Rm. 237. POC: Mary R. Valdez, at ext. 4-5819.

**African American Advisory Group Meeting,** Jul 1, 11:30 a.m. to 1 p.m., Bidg. 19/Rm. 245. POC: Robert Finne at ext. 4-5230. Contact Robert for meeting place.

**NTI’s Association of Retired Federal Employees, S. J. Chapter #50, Meetings,** Next meeting is Aug 6, 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. POC: Mr. Rod Peery, (650) 967-9418 or NABRE 1-800-627-3394.

**Astronomy Club Meeting,** Jul 7, 11 a.m., N-200 Comm. Rm. POC: Jack Stanley at ext. 4-3452.

**Professional Administrative Council (PAC) Meeting,** Jul 8, 10:30 a.m. to 11:30 a.m. Location TBD. POC: Janette Rocha, ext. 4-3371.

**Astronomy Club Meeting,** Jul 8, 11:30 a.m. to 1 p.m., N-262/Rm. 100. POC: Greg Sherwood, ext. 4-0429.

**Southbay FEW Chapter Mtg,** Jul 13, 11:30 a.m. to 1 p.m., N-241/Rm. 81. POC: Christine Munroe, ext. 4-4695.

**American Asian Pacific Islander Advisory Group Meeting,** Jul 15, 11:30 a.m. to 1 p.m., N-241/Rm. 82. POC: Daryl Wong at ext. 4-6889 or Brett Vu at ext. 4-0911.

**Ames Amateur Radio Club,** Jul 15, 12 noon, N-260/Conf. Rm. POC: Mike Herrick, K6EAA at ext. 4-5477.

**Ames Multicultural Leadership Council Meeting,** Jul 21, 11:30 a.m. to 1 p.m., Galileo (Rm) Ames Café. POC: David Morse, ext. 4-4724 or Sheila Johnson, ext. 4-5054.

**NIFE Local 997 Union General Meeting,** Jul 21, noon to 1 p.m., Bidg. 19/Rm. 2017. Guests welcome. POC: Marianne Mosher at ext. 4-4035.

**Native American Advisory Committee Mtg,** Jul 27, 12 noon to 1 p.m., Ames Café. POC: Mike Liu at ext. 4-1132.

### Ames Child Care Center Board of Directors Meeting, Wednesdays, 12 noon to 1 p.m., N-213/Rm. 204. POE. Debbie Wood at ext. 4-0709.

**Did you notice our new Armstrong masthead?**

In recognition of Ames' recent highly successful ISO 9001 certification, the Astrogram has redesigned its front page masthead. We will continue to publish the ISO 9001 version of the Astrogram masthead in the next several issues.

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**Vacation rental**

Lake Tahoe-Squaw Valley townhouse, 3bd/2ba, balcony view, horseback riding, hiking, biking, golf, river rafting, tennis, ice skating, and more. Summer rates. Call (650) 968-4155 or email DBMckellar@aol.com

**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://ccf.arc.nasa.gov/ coded/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: mfne@mail.arc.nasa.gov.
Dear Friends:
I am delighted to have this opportunity to congratulate the NASA Ames Research Center and the many talented individuals that have contributed to its Sixty Years of innovation and discovery.

What a time to celebrate! As we stand at the dawn of the 21st century, both looking back on our accomplishments, and forward to the frontiers that await us, NASA stands as an icon of the human spirit of exploration, advancement, and progress. NASA Ames, in particular, so aptly located in the heart of Silicon Valley, is extending the boundaries of what we know, think and dream.

The Ames Research Center is an example of what every Federal Agency strives to be—both an organization that furthers the interests of the nation, and serves as a resource, a tool of learning for the American public. It has been, and continues to be, a source of great pride to California, and to the entire nation. On behalf of the United States Senate, I wish to thank NASA Ames and the numerous partnerships that have enabled its success. You are an inspiration.

Warmest personal regards.

Sincerely yours,

Dianne Feinstein
United States Senator

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CNN ran a story recently about people in Saratov, a city in the SW part of Russia, protesting for better treatment of dogs and cats. It was a very sad story. There are many animals, especially dogs, whose owners can no longer afford to feed them, so they just turn them outside to fend for themselves. There is a rudimentary animal shelter in town where people are doing their best to provide for the animals. There are no kennels in the shelter; all the dogs run together in the compound, but the reporter said there are no fights. Local people and merchants donate scraps of meat and other food for the animals, whatever they can spare.

Ann Hutchison

The Ames Astrogram is an official publication of the Ames Research Center, National Aeronautics and Space Administration.

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THE AMES

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