American Astronomical Society Convention

New research results and studies on the planets and Comet Kohoutek were reported at a national meeting of the American Astronomical Society, Division of Planetary Science (DPS), at Reddy’s Hyatt House the week of April 1.

Scheduled sessions and topics included: History of Planetary Astronomy; Venus; Mars; Asteroids; Moon and Mercury; Jupiter, Saturn, Uranus, Neptune; Saturn Rings and Satellites; Jovian Satellites; Radiative Transfer; Mariner 10 Mercury Results; Mariner 10 Venus Results; Titan: Jupiter; Pioneer 10 Results; and Comets.

Many Ames researchers participated in the five-day convention. They, their Ames organization, and their respective contributions are in alphabetical order as follows:

Hans R. Agerwal, SSG, “Rochet Limit of a Solid Body.”
Bettin Baldwin, SST, “Estimates of the Size of the Particles in the Rings of Saturn and Their Cosmogenic Implications.”
Robert W. Boose, SSA, “Spectroscopic Constraints on the Clouds of Venus” and “Rotational Temperatures of Venus Derived from Inhomogeneous Scattering Model Atmospheres.”
C. Chackerian, Jr., SSA, “Calculations of Jovian H₂ Quadrupole Equivalent Wide Widths: The Influence of Pressure Shifts.”
L. Collin, SS, “The Upper Ionomphere of Venus” and “The Ionomphere of Titan.”
D. E. Gault, SSG, “Far Encounter Photography.”
P. Giver, SSA, “Spectroscopic Constraints on the Clouds of Venus” and “Rotational Temperatures of Venus Derived from Inhomogeneous Scattering Model Atmospheres.”
T. Briggs, SST, “Aircraft Observational Spectra in the Venera 8 Data.”
J. C. Whitten, Jr., SST, “The Upper Ionomphere of Venus” and “The Ionomphere of Titan.”
R. C. Whitten, Jr., SST, “The Upper Ionomphere of Venus” and “The Ionomphere of Titan.”

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Fire escape device developed

A new emergency fire escape device, invented at Marshall Space Flight Center, may help reduce the number of individuals who die every year trapped by fire on the upper floors of tall buildings.

The unique device was developed by Peter Broussard and John Burch of Marshall’s Astronautics Laboratory. Easily operated, it allows a trapped individual to lower himself to the ground by means of a harness attached to a steel cable. It can be adapted for any building height.

The cable reel, with an automotive-type shock absorber, is mounted on a metal frame and anchored outside of a window or on an inside wall. The reel and shock absorber are designed to control speed and allow a constant rate of descent. The device will lower a 150-lb person at a rate of 2 feet per second. A lighter weight individual will descend at a slightly slower rate.

There are different options available for reuse of the basic mechanism after the evaucuee has reached a safe lower level. The device can be retractable, or extra harnesses with attached reels can be successively attached to the frame so that retraction is not necessary.

Special Achievement Awards

RUTH E. SMITH . accepts a Special Achievement Award from Harry M. Nakamura, Chief of the Administrative Applications Analysis Branch. Mrs. Smith is a Computer Systems Analyst and received the award “for her contributions in the design, development, and implementation of the Center’s computerized financial and contractual management systems.”

MARGARET COVERT receives a NASA Special Achievement Award from John S. MacKay, Chief of Ames Scientific Applications and Analysis Branch. The incentive award is to honor Miss Covert for her contributions to the ILLIAC IV User’s Support Group. She has provided her services in solving many of the problems “on the ILLIAC computer which could be of national importance in scope.”

Procurement training

The Procurement Division began a four phase training program in “Fundamental Procurement Concepts” on February 11 which is available to procurement people who have expressed the desire to strengthen their knowledge of procurement procedures.

The participants pictured include (left to right) standing: Georgia Benson, Doris Grimes, Carolyn Anderson (Training Coordinator), and Velma Rodriguez; seated are Carol Bureau, Jeanette Kyles and June Wallace. Participants not pictured include Colleen Foley and Jessie Mosley. Jeanette Kyles and Jessie Mosley have completed the first phase and have received a Certificate of Training from Lloyd Walsh, Chief of the Procurement Division, in conjunction with the Training and Special Programs Branch.

Each phase involved 40 hours of training which is accomplished at a rate of 2 hours per day for 20 consecutive working days.

Applications Program at MTF

(Continued from Page 1)

Topics discussed and reviewed included earth observations, communications, navigation and traffic control, space processing and technology, geodesy and applied earth physics and energy distribution.

Balch said he was most pleased that MTF was selected by Mathews for the Applications Board meeting because it would give many an opportunity to see first hand the productive working relationships at MTF which are developing between NASA and other agencies.

“We’re looking for people-safety uses of what we in NASA have and what we are learning in conjuction with other federal and state agencies,” he concluded.

Ames representatives attending the meeting included Astronautics Organizational Director Dr. Dean Chapman and the Chief of the Ames Applications Aircraft Support Program Office (AASPO) Edward W. Gamersall.
Lee Jones, "splashdown photographer"

Photographer Lee W. Jones of the Photographic Technology Branch has enthusiastically participated in numerous space-flight recoveries throughout his extensive career with NASA-Ames. His most recent recovery mission was the final Skylab 4 mission. Jones spent 2 weeks aboard the "New Orleans" in February to capture and record on film the return of the crew who had experienced to date the longest space flight of mankind.

Jones was one of two official NASA photographers aboard the Skylab recovery helicopter. "In the early days, I had to be black and white, color, and movie man all in one! This time I just shot Public Affairs color." Pictures of Photographer Jones abroad previous recoveries show him with five and six cameras slung over his shoulder.

In addition to being responsible for taking recovery photographs, Jones’ activities included helping to coordinate the entire press pool (30 to 40 newsmen) where the photographers were involved. He identified each photo and gave it a caption and worked with AP and UPI in assigning distribution of the proper official NASA photography. Timing was naturally important when it came to achieving final dissemination of the photos.

Jones says his accommodations aboard the "New Orleans" were "Excellent! I lived with the commanders in the Officers’ Quarters." When asked what he enjoyed most about this recovery that might be special or different from other recoveries, the long-time government employee replied, "I especially got a kick out of actually having had the opportunity to unload the spacecraft and to pack all the EVA (Extra Vehicle Activity) gear after completing all my other duties. I was amazed at the orderly housekeeping within the craft and at the astronomical number of experiments aboard."

"Another thing that hit me hard this time was the fact that the astronauts must have really been lonesome for their families after such a long flight. I know I was after just having been on the ship for a 2-week period. My wife and son had the opportunity to come down to San Diego to see the spacecraft, the astronauts, and to see where I lived on board ship. I was so tickled to see my gang after just 2 weeks... just think how lonesome the astronauts were after 84 days!"

Lee Jones has been an active Ames employee since March of 1946. He originally joined the government when he entered the Air Force as an enlisted man. In the Air Force Jones taught photography and soon became a squadron commander with the rank of Captain on a photo reconnaissance squadron with the P-38s in the Burma-China theater. Though photography was once only a hobby, it didn’t take the talented Jones long to make it a lifetime career.

It was in 1942 that Lee Jones married and later became the father of two boys and a girl: it was much later that he and his wife became grandparents. They now have two grandchildren.

Lee Jones is not only a veteran photographer of Mercury 8 and 9 recoveries, numerous Gemini’s and the majority of the Apollo recoveries ("ask my son which one and how many!") he is also a veteran of a 25-year-old Ames car pool. There are four in the ride group and they include Jones, Ed Kelly, Wayne Scott, and Charlie Ware. Kelly is an original rider like Jones.

The photographer feels that he has satisfied his career goals through his work at Ames. As a participant in space recoveries, Jones says he was probably originally chosen because of his experience as a field photographer and because he was "at the right place at the right time." He adds, "I have been so lucky to have had the opportunity to participate in recording space history."

Another invitation has been extended to the Ames photographer to join the recovery crew of the upcoming US/USSR space mission in 1975. "If I attend," Jones says, "it will be a wonderful way to wrap up my NASA career."
Announcement
Mrs. Dale Goodnight. 377-3843.


The concert is open to the public free of charge. Anyone wanting further information in regard to the Chorus, call Mrs. Dale Goodnight, 377-3843.

WANT ADS

FOR SALE: Camper self-contained w/slide out, cab over. DELUXE. Offer??. 252-9406.


Mercury Montego 2-dr htp, air cond. Good cond. $575. Ext. 6052 or 255-1168 after 6 p.m.

72 Datsun $40, automatic, great cond. AM-FM radio, air cond., 26 MPG. $150 and take over payments. Call 274-1409 ask for Ms. B. Manning.

"66 Chrysler New Yorker. Lots of room and comfort for ride pool. Air cond., power, incl. 6-way bucket seat and power antenna, rear window defogger, tilt steering wheel, reverb, etc. $595. Call 494-3158.

Housing


FOR RENT: 2 rooms & bath, furnished, limited cooking, utilities furnished, 3 miles to Ames, female preferred. 967-5348.

Miscellaneous

FOR SALE: Complete set "Great Books of the Western World." w/bookcase, $125. Earl Menenee, 243-5382.


BAR STOOLS, 4, black wrought iron base w/red seat. $25 each. Home. 272-1086.

Men's ski boots, 2 yr old Lange Standards, size 8.5 M, $35. Down ski skis, adjustable, w/locks, 1 yr old, $15. Call ext. 6052 or 255-1168 after 6 p.m.

Magnavox Stereo $75, Chord Organ with amplifier $75, both in very good condition. Call 252-5596.

'71 Alfa Spider, metallic silver, new tires, low mileage, $3750, 964-5744.

Very old carpenter tools & chest (make offer). Also double Hideabed, very nice. $60. 227-5307.

Bike: 5-speed Men's, Schwinn, 26", $40. Call 252-9406.

Lrg. Dinette Set w/8 chairs. Wood grain Formica top. Good cond. $40/offer. 252-3853.

Antique American wall clocks: 3 Schoolhouse, 1 Calendar, 2 Railroad, and 1 Empire. All in exc. cond. and running. Starting at $125. Hank Asch, 736-6999.


WANTED: a Roll-away bed in a good condition. Call 321-1858 after 5 p.m.

Jetsetters notice

April 18, 1974 there will be a special film showing and presentation for our upcoming "Debrownik 74" trip. Questions and answers will follow the presentation. Interested parties may also sign up for the trip at that time. The presentation will start at 7:30 p.m. in the Space Science Auditorium Bldg. 245. Plan to attend this special showing.

Skylab stamp

The Houston Philatelic Society is offering an Official First Day Cover for the Skylab stamp to be issued May 14, 1974. The latest space stamp will commemorate the first anniversary of the launch of Skylab I on May 14, 1973. The multicolor cachet will feature the Skylab at the top with three parachutes below including names of the astronauts making the flight.

Covers are available for 50¢ for single stamp on cover, or five covers for $2.00. Plate block FDC's $1.25. For those who service their own covers, four for 50¢ plus stamped #10 envelope. Send orders to: Skylab Covers, 14350 Chadbourn, Houston, Texas 77024.
Ames Controllers to Retarget Pioneer 11

First Ames employee hired retires after 34 year career

Project Pioneer controllers here at Ames commanded the firing of Pioneer 11's thrusters on April 19 at 16:00 a.m. PDT to re-target the spacecraft for a closest-ever look at Jupiter and a "first" in space flight—an encounter with the ringed planet Saturn.

As a result of Pioneer 10's successful flyby of Jupiter on Dec. 3, 1973, Pioneer 11, launched April 6, 1973, and due to encounter Jupiter on Dec. 2, 1974, will be retargeted to pass within 26,000 miles of the planet, three times closer than its predecessor. It will then fly on to Saturn with a gravity assist from Jupiter.

Thrusters on the spacecraft were ignited from a distance of 420 million miles as ground controllers command the firing of the thrusters for a duration of 42 minutes and 36 seconds. The course change maneuver will expend 17 pounds of propellant, or 28 percent of the propellant originally stored on board the spacecraft, reports Jim Phillips, Ames trajectory engineer.

The trajectory change will be accomplished by adding a velocity increment of 63.7 meters/second (210.2 feet/second) to Pioneer 11's April 19 velocity of about 28,700 mph. The spacecraft's speed will continue to slow gradually until it enters Jupiter's sphere of influence. As it subsequently "falls" closer to the giant planet, the spacecraft's velocity will shoot up to 110,000 mph.

After collecting data about Jupiter's never-explored southern polar region, the spacecraft will be whipped around the planet and streak toward its Sept. 27, 1979 encounter with Saturn. 1,740 days after the Jovian encounter. The next presidential administration will be nearing the end of its term by that time.

The flyby course for Saturn is yet undefined. The spacecraft could be directed inside the rings, or it could skim along outside them, depending upon the experiences of the experimenters. Pioneer 11 will be a scout for future exploration of this intriguing planet.

Ground breaking ceremony

A ground breaking ceremony marking the beginning of construction of a Space Shuttle Landing Facility at the Kennedy Space Center took place Monday afternoon, April 1.

Government officials and officers of Merritt-Knudsen Co., contractor for the $21,812,737 project, participated. The construction project includes a 15,000-foot runway with associated approach, apron, towway, taxiway and access roads.

McDonnell Douglas for Space Shuttle Support

NASA has selected McDonnell Douglas Corporation, Houston, Texas, for negotiation leading to an award of a contract for Space Shuttle Engineering and Operation Support to the Space Shuttle Program Office at the Johnson Space Center.

The contractor's proposed cost for the two year cost-plus-award fee contract is approximately $13.2 million. It is contemplated that there will be two extensions of approximately two years each.

The McDonnell Douglas Corporation will provide analytical support to the Space Shuttle Program in areas of technical and engineering systems analysis; avionics systems engineering support; mission planning, mission analysis, and software formulation; computer systems and software integration systems engineering support; and crew procedures and flight planning.

Other firms submitting proposals for the work included: The Boeing Company, Houston, Texas; Martin Marietta Corporation, Denver, Colorado; Grumman-Houston Corporation, Houston, Texas; and TRW, Inc., Houston, Texas.

The contract will be under the technical direction of the NASA Johnson Space Center, Houston, Texas.
Products of Ames youth programs aid office efficiency

Twenty-one year old Becky Pike has been working at Ames for over three years and has recently proved to be a “real life-saver” to the Communications Branch. She has been hired as a full-time temporary switchboard operator and she handles all on base information, all credit card calls, all incoming calls to the main Ames telephone number, and all operator-assisted outgoing calls.

Six weeks ago it became necessary for Ames “number one” operator, Joan Nelson, to take a short leave of absence and the Communications Branch was in desperate need of a full-time temporary “switchboard operator.”

Although there are lots of men and women who can handle an operator’s job, there are very few people who know Ames Research Center, its employees, and the workings of its Central telephone system! In fact, only one such person could totally qualify for the temporary position and that was essentially due to her previous experiences.

Becky Pike was the one chosen to fill the temporary slot.

Becky originally came to Ames on the Neighborhood Youth Corps (NYC) program in 1971. She became a student aid worker trainee in the Communications Branch on the standard switchboard. Becky was trained to operate the switchboard by her supervisor, Doris Sorrels. While working at Ames as an NYC enrollee, Becky was able to earn her General Education Development (GED) which is, by the way, comparable to a high school diploma. She also earned a salary. Becky attended class three mornings a week in Building 241 and worked at her job site twenty-six hours a week.

The NYC Program is affiliated with Ames Training and Special Programs Branch and is financially sponsored by the Department of Labor in conjunction with the County of Santa Clara. Needy teenagers are able to continue their education, gain work experience, earn a salary, and not totally drop out of school by joining the NYC program and working at Ames for up to two years.

NYC supervisors like Doris often gain work load relief by training an NYC enrollee to perform a job. Becky was especially helpful to the Communications Branch during her training period with the switchboard. After learning the operations of the daily Ames communications, she transferred over to the Ames Life Sciences Library for the last few months of her two year term as an NYC. At that time, Becky earned her GED, married, and left Ames.

Becky applied for a job with the telephone company and was accepted. She was scheduled to start work as a telephone operator when she learned that she and her husband were expecting a child. Becky had her daughter and later applied for the temporary position which she now holds.

Becky operates a telephone console in the Communications Branch. It is no longer the switchboard she once handled. Though the equipment is somewhat different now from when she used to work at Ames, Becky receives the same variety of questions. According to Doris and Brad Gibb, Chief of the Communications Branch, the work load necessitates the skills of an experienced, well-trained and knowledgeable operator. Many urgent calls come across the board which require immediate and efficient direction. Becky handles all such calls in the appropriate manner.

“We have been very lucky to have a young woman like Becky working for us here in the branch,” says Doris Sorrels. The NYC program gave us the opportunity to train a good person for a responsible position and to qualify the person for employment in or outside of Ames. By Denise Bernard

Rita Howard came to Ames two and a half years ago as a Public Service Career employee on a training program sponsored by the Chief of Equal Employment Opportunity Office, Willie L. White, Jr.

Rita spent her first year at Ames on the training program and then became a permanent employee in her present position as clerk typist. She works in the Life Sciences Directorate office in the main administration building under Organizational Director Dr. Harold P. Klein.

While in high school, Rita took a few office skills courses. Upon graduation in 1971, she went to night school at the College of San Mateo (CSM) for a year and took an Algebra course. She was then thinking that she would some day want to become a lab technician. She had earlier inquired about the curriculum of the Peninsula Hospital in Burlingame.

After attending CSM, Rita enrolled in the Opportunity Industrial Center West (OICW) training school in Menlo Park to obtain more office skills. From there, Rita came to Ames.

Rita’s office responsibilities include handling the filing system, typing for everyone in the office and essentially acting as one of the main communicators between Ames personnel, the general public and the office officials.

Rita states that she enjoys working with the people in her office very much. She also enjoys the contact she has with others from outside the office.

As the mother of two daughters, Lazen (3-1/2 years old) and Tenechia (10 months) and wife to a Lance Corporal in the Marine Corps stationed at Hunters Point, Rita keeps herself quite busy after working hours! She does try to make time for her hobbies of sewing, cooking and various sports, however.

Rita’s past supervisor, Phyllis Post, says of Rita, “I feel that Rita has a lot to offer and that she has progressed tremendously in increasing the efficiency of her work. She is truly a real asset to her office.”

Delaney’s early Ames days

(Story on Page 1)
AIAA model airplane contest

The theme for the AIAA Model Airplane Contest this year is the introduction of aeronautics to youngsters through active participation. It will be held May 18, at the San Jose City College Men's Gym.

The key element for this contest is a delightful twelve-inch span rubber-powered model called the Delta Dart. Even without any modeling experience, it can be easily built from a kit in one evening. Prizes will be awarded in two Delta Dart age classes, 11 and under and 12 through 14. An original design event and a penny plane event will also be flown, each with one age class, 14 years and under.

Delta Dart kits at 25¢ each, contest entry blanks and rules, and free penny plane plans are available from AIAA representatives (call Joseph Steger, X6417). The contest is free and open to all youngsters.

Lillian Cunningham visits Ames

Lillian Cunningham, Affirmative Action Officer from NASA Headquarters' Equal Employment Opportunity Office (EEO), met with various Ames personnel to discuss current equal employment opportunity policies.

Mrs. Cunningham spoke with Ames Director Dr. Hans Mark and EEO Chief Wilie L. White, Jr. on various points of this year's Affirmative Action Plan. She toured Ames with Helen Gonga, EEO Contract Compliance Officer, and met with both the Ames EEO Counselors and the members of the four newly formed EEO Advisory Groups.

A two-hour meeting that Mrs. Cunningham held with the Advisory Groups included discussions of Upward Mobility, Community Relations, Training, Communication with Middle Management, and Student Work Experience Audits.

Mrs. Cunningham spent two days at the Center during the last part of the week of April 8.

An exhibit for space enthusiasts

In the minds and hearts of 30,000 Samoans living in American Samoa, Apollo 17's pocket-mice experiment is just about the most exciting event that has ever happened to the country throughout the twentieth century. So when the Samoans expressed their desire to have a permanent NASA space exhibit in remembrance of the great event, NASA was happy to oblige and Ames was put in charge of fulfilling the request.

"Case background"

In October of last year, Dr. Delbert E. Philpott of Ames' Neurosciences Branch traveled to Pago Pago, Samoa, with a replica of the Apollo 17 pocket-mice experiment in the form of an exhibit. Dr. Philpott arrived in time to participate in a formal dedication ceremony which took place during the Samoan "Legislative Silver Jubilee" week. The ceremony was at the new Legislative building and the exhibit was later put in the newly opened museum in Pago Pago for all Samoan visitors and tourists to view. A small pocket mouse was placed in the exhibit to add an element of reality and additional curiosity to the display. Dr. Philpott was the co-investigator of the pocket-mice experiment while Dr. Webb Haymaker was the principal investigator.

Thousands of people flooded the NASA exhibit in Pago Pago during the past seven months. Few needed to be urged to see the display. Apollo 17 is the greatest event the Samoans have ever experienced. The people tend to naturally gravitate toward the pocket-mice-experiment display.

To emphasize the importance of Apollo 17 to Samoans it should be noted that in American Samoa on the day of splashdown school children were dismissed for the entire day to participate in the event and the festivities in honor of the astronauts and their flight. Splashdown was in the Pacific Ocean south of the Samoa Islands.

"Cat and mouse"

Active participants in the dedication ceremony were the governor of American Samoa, John H. Haydon, and his wife, Mrs. Haydon. Mrs. Haydon had also been a prime instigator in establishing a museum. She felt that the enormous number of lovely gifts the governor had received through the years from visiting dignitaries should be displayed where they could be enjoyed by every body. She therefore helped promote turning the old post office into the new museum.

Once the museum was opened and the NASA exhibit was intact with the pocket mouse living in the display happily, Mrs. Haydon more or less got to "know" and like the pretty little fellow because she spent so much time in the building. One day, the mouse became ill. Mrs. Haydon decided to take him home that he might recover quickly with constant care and attention.

The mouse did recover quickly and he stayed on for an extra few weeks at the Governor's home since there was no one available to properly feed him at the museum.

Unfortunately, he overstayed his welcome. One morning, Mrs. Haydon learned that the creature had escaped from his cage and had been viciously eaten by the house cat. All that remained in sight was the small tail of the once very active pocket mouse.

"Epilogue"

Everyone was naturally sad to see the end of the little mouse. The NASA exhibit would never be the same. New mice would have to be obtained from someone, somewhere and the most obvious place was the original source, ARC.

Last week Theresa "Terry" Olive, a representative from the Office of the High Court in Pago Pago, visited Ames as a representation of Governor Haydon, the American Samoa governor.

Unfortunately, he overstayed his welcome. One morning, Mrs. Haydon learned that the creature had escaped from his cage and had been viciously eaten by the house cat.

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"Epilogue"

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Last week Theresa "Terry" Olive, a representative from the Office of the High Court in Pago Pago, appeared on the Ames scene. Terry had traveled to California for 50% business in Los Angeles and 50% pleasure vacation. Since the vacation portion included visiting her aunt and uncle in San Francisco, she felt she should take the opportunity to see ARC and the people she had worked so closely with in Pago Pago at the time of the Apollo splashdown. And, of course, if anyone at Ames had... uh... any... uh... extra pocket mice" she would be happy to take a few back with her for the museum exhibit.

It just so happened that Dr. Philpott could supply Terry with some pocket mice and an escape-proof cage! So Terry, representing Governor Haydon, was given a "six-pack" of male mice to take back to the Samoa Islands.

During her visit to Ames Terry toured the Center with Dr. Philpott and met with Center Director, Dr. Hans Mark; Dr. Harold P. Klein, Life Sciences Organizational Director; Dr. David L. Winter, Deputy Director of Life Sciences; and Dr. Haymaker.

When asked if Ames fit her mental image Terry responded, "No, I imagined a two or three building facility and I found a real little city. Ames seems quite large to me. And everybody is so very cordial and friendly."

Once back in Pago Pago, Terry is scheduled to appear on television in an interview with Governor Haydon. She is also expecting to receive educational material on the space program sent from the Ames Public Affairs Office. Terry will disseminate it to the appropriate educators for all students interested in space to share.
Speakers Bureau

Angelo Marozzi (Earth Science Applications Office) gave two presentations to students of Earth Science classes at Aragon High School in San Mateo on April 18. His presentation was "NASA's Work in Earth Resources, Particularly ERTS." April 27, Lt. Col. Al Worden (Chief of the Systems Studies Division) was the luncheon speaker for the Writers of America. Al also will conduct an afternoon seminar for interested attendees on his Apollo 15 experiences. On April 17, Robert Hogan (Pioneer Project) was the luncheon speaker for the Engineering Technicians Club at the Alameda Naval Air Station. Bob presented a summary of the Pioneer program.

Ed van Vleck (Systems Studies Division) was the guest speaker for the Telecommunications Association at its meeting in Phoenix on March 12. Ed's address was "Domestic Satellites and the Future of Telecommunications." Jim Phillips (Pioneer Project) will be addressing the Livermore Astronomy Club on May 3. He will be presenting "An Overview of the Pioneer 10 and 11 Missions."

Volleyball

All Ames employees and contractors interested in entering a volleyball team for participation in an Ames volleyball league please contact Harry Cygulski, X6525.

Veterans

The Veterans Affairs representative from De Anza College will be at Ames during the noon hour on April 30, 1974, Bldg. 241, Room 147. Bring questions concerning GI Bill or VA benefits or services.

Basketball

Anyone interested in playing summer basketball on the Ames Industrial Team should contact Paul Kutler, ext. 6417.

"Thank you"

I want to thank all my friends for the gift of the calculator. I am delighted with it, and it is the most useful gift I could receive. My family and I thoroughly enjoyed the retirement luncheon.

Ben Beam

CONSERVE LIBRARY POWER!

Return your library books on time. DUE DATE IS: Friday, April 26, 1974 (Main Lib. 202-3 - Life Sci. Lib. 239-13).

Exchange Council Budget Projection-1974

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<td>1,800.00</td>
</tr>
<tr>
<td>Insurance</td>
<td>200.00</td>
<td>177.00</td>
<td>0.00</td>
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<tr>
<td>Equipment Replacement Cafeteria</td>
<td>200.00</td>
<td>160.56</td>
<td>200.00</td>
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<tr>
<td>Miscellaneous Expense</td>
<td>450.00</td>
<td>631.47</td>
<td>500.00</td>
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<tr>
<td>ARA Expense</td>
<td>5,573.00</td>
<td>5,577.83</td>
<td>4,008.90</td>
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<tr>
<td>Tennis Court Construction</td>
<td>17,000.00</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$27,886.00</strong></td>
<td><strong>$20,105.95</strong></td>
<td><strong>$8,522.90</strong></td>
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</tbody>
</table>

**Net Profit** = $16,186.00 - $887.06 = $2,877.10


<table>
<thead>
<tr>
<th>ASSETS</th>
<th>1973 Budget</th>
<th>1973 Actual</th>
<th>1974 Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash, Operating</td>
<td>$2,644.64</td>
<td>$2,644.64</td>
<td>$2,644.64</td>
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<tr>
<td>Cash, Savings</td>
<td>19,592.36</td>
<td>22,237.57</td>
<td>22,237.57</td>
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<tr>
<td>Vending Vehicle</td>
<td>860.70</td>
<td>860.70</td>
<td>860.70</td>
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<tr>
<td>Less Depreciation</td>
<td>(860.70)</td>
<td>(860.70)</td>
<td>(860.70)</td>
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<tr>
<td><strong>Total Assets</strong></td>
<td><strong>$22,465.57</strong></td>
<td><strong>$22,465.57</strong></td>
<td><strong>$22,465.57</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Accounts Payable</td>
<td>630.75</td>
<td>630.75</td>
<td>630.75</td>
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<tr>
<td>Less Income</td>
<td>(858.98)</td>
<td>(858.98)</td>
<td>(858.98)</td>
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<tr>
<td><strong>Total Liabilities</strong></td>
<td><strong>$22,465.57</strong></td>
<td><strong>$22,465.57</strong></td>
<td><strong>$22,465.57</strong></td>
</tr>
</tbody>
</table>

**Total Liabilities and Equity** = $22,465.57

*Includes $414.75 collected and deposited for Pioneer Jupiter Educator's Conference and will be paid in January 1974. $75.00 is being held for the Training Office.

GOLF


Travel insurance

Eight years ago NASA began offering a low-cost travel accident insurance to its employees. The insurance is available in amounts of $25,000, $50,000, or $100,000 covering personal travel and local business travel or personal travel and worldwide business travel. Brochures describing the plans are available in the Training Office (Bldg. 241, Room 138, X6522).

WANT ADS Transportation

*71 Honda car, 34,000 mi; 5000 on rebuilt engine. Exc. cond., 38 MPG, luggage rack. $985. 322-3265.

*72 Electra 255, custom 4 door; vinyl top; AM-FM stereo/tape; air cond., electric lock and seats; power brakes and steering; electric antenna; tilt steering wheel; $300 cash and take over payments (15 payment balance). Call Barbara Smith at 293-5303 after 5:30 p.m. call 274-1409 and ask for Mr. or Mrs. Smith, Sr.

*71 Datsun 510, automatic, great condition, AM-FM radio, air, 26 MPG, $150 down and take over payments. Call 274-1409 after 5:30 p.m. Work ext. is 5692. Ask for B. Manning.

*71, 450 CL, Honda, custom, ext. front, 19" rear wheel; $550 and take over payments, $1200 cash. J. Morningstar, ext. 5674 or 245-7724 after 4:30 p.m.

Housing

FOR RENT: South Shore Lake Tahoe. 3 bedrooms, 2 baths, deck & fireplace. Close to casinos. Walk to beach. $150 wk. Call 252-4749

FOR RENT: Available the 1st of May. In Sunnyvale next to St. Martin Church. 3 bedroom, 1 1/2 bath. Big backyard. Located in the cul de sac area and close to medical center. Call 961-1001 or 965-5447.

FOR RENT in prime Sunnyvale location. Furnished five bedroom executive home with garden kitchen overlooking swimming pool and covered patio. Available on one-year lease on about June 20, 1974. (Family is leaving the area on a one-year sabbatical.) Call Ken McDonald, 245-0653 evenings.

Miscellaneous


FOR SALE: Schwinn 10 speed. Like new condition. $85. Ellen 296-6203 after 5:00 p.m.

WANTED: 1/2 & 1 inch IPS pipe dies to borrow, rent, or buy. Shapero, 10825 Alderbrook, Cupertino.

SPOULDING TOP FLIGHT (Gene Little) right-hand set of 1-2-3-4 woods approx. 8 years old. Rubber grips, steel shaft, swing-weight D-3. Good condition. Sell for $30 for set. Call 966-5027 to see clubs.

HOSPITAL BED $125. H. Schachter, 244-1136.

36" Kenmore gas range, good cond. $30. 736-3984.