**MacKay Receives NASA Award**

Outstanding contributions to a presentation on solar powered, electrically propelled manned Mars vehicles have resulted in a NASA Special Achievement Award for John S. MacKay, Propulsion Systems, OART Mission Analysis Division located at Ames. The award was presented by Dr. Hans Mark, Ames Director, during a recent ceremony.

Mr. MacKay was cited for utilizing a recently developed computer program to update trajectory and performance evaluations leading to the analysis of throwaway and reusable systems for a manned Mars mission. Not only was this the first time that an analysis of such a particular system was run extensively, but in addition, Mr. MacKay was able to outline an evolutionary approach to the development of such a technology. He also updated the performance analyses of the more conventional systems such as nuclear propulsion and chemical cryogenic propulsion.

**PRESENTATION**

The results of the analysis were presented by Dr. Federico Casal, MAD Assistant Director for Propulsion Systems, and Mr. MacKay, to Dr. Werner von Braun, who at the time was director of Marshall Space Flight Center. The research was received with great interest and according to a letter from Dr. von Braun the electrically propelled manned Mars vehicle appears to hold much promise.

JOHN S. MAC KAY

A letter of commendation from Dr. Mark read in part, "The Center takes pride in your accomplishment and you are to be commended for your special effort which greatly improved the presentation and your analysis which in itself represents a unique contribution."

Attending the ceremony in honor of Mr. MacKay were David Dennis, Acting Director of the OART Mission Analysis Division, and Dr. Casal.

**SEVENTH MANNED APOLLO CREW**... The members of the prime crew of the Apollo 13 lunar landing mission (l to r) are Astronauts James A. Lovell, Jr., Thomas K. Mattingly, II, and Fred W. Haise, Jr. The mission insignia in the foreground (center) represents Apollo, the sun god of Greek mythology, symbolizing that the Apollo flights have extended the light of knowledge to all mankind.
High School Work-Study Program at Ames

With the beginning of the spring semester some 50 students from the Fremont Union High School District began an experimental work-study program at Ames. The new program is a cooperative vocational-educational-instructional venture between the School District and Ames. It was established to enable students to enhance their high school education through learning experience in a research organization, according to John Leveen, Chief of the Employee Development Branch at Ames. Mr. Leveen worked with Edgar Pittman, coordinator of vocational education for the Fremont School District, in developing the program. Carl T. Sodergren, Director of Work Experience Education for the School District, is monitoring the progress of the program and visits the Center several times a week to observe the students at their work sites.

Students from six high schools in the School District are enrolled in the vocational training program as part of their regular school curriculum. The training sessions are held at the Center each work day from 1 to 4 p.m. School credits are granted for the work, but there is no pay involved.

Assignments are primarily in the crafts and shops areas, with some of the students working in electronic instrumentation, drafting, and trainee assistants to scientist and engineers.

As this cooperative program progresses its developers hope that the involvement of the students in an educational endeavor such as this can become a model for school districts throughout the country.
Personnel Corner
Cost differences in employing men and women are not significant, according to a newly revised publication issued by the U.S. Department of Labor.

The report, prepared by the Women's Bureau, summarized the latest available data on certain factors that affect labor costs—absenteeism, labor turnover, job tenure, and labor mobility.

The data include, for example, Public Health Service Statistics on worktime lost because of illness or injury, which averaged 5.6 days for women and 5.3 days for men in 1967. On the other hand, earlier PHS data showed fewer sick days per year for single women (3.9 days) than for single men (4.3 days).

The report states that women workers have favorable records of attendance and labor turnover when compared with men employed at similar job levels and under similar circumstances.

Detailed analyses indicate that the skill level of the job, the marital status and age of the worker, length of service, and record of labor provide better clues to differences in work performance than does the mere fact that the worker is a man or a woman.

Studies on labor turnover show that overall job-changing rates are about the same for women and men. In 1968, 2.6 percent of women workers and 2.2 percent of men workers quit their jobs voluntarily, according to a Bureau of Labor Statistics study.

But men are more frequent occupation changers than women; another BLS study showed. Only 7 percent of the women but 10 percent of the men held a different occupation in January 1966 than in January 1965.

Foster Homes Needed
Foster Homes for children of all ages are needed by the Santa Clara County Department of Social Services. There are meetings every Friday afternoon from 1:30 to 3 p.m. for those who want to learn more about this important program. The meetings are in the main building at 56 W. Younger Avenue, San Jose. No appointment necessary. For more information call 289-2981.

Services of Ames Libraries Expanded
Services of the Ames libraries have been expanded and effective May 1 the facilities will be officially open to others besides Ames employees. This has been made possible by the separation of classified and unclassified materials and procedural changes.

Researchers or individuals from companies, universities and colleges, or other government agencies who have need for library material in the performance of their work will be admitted during regular hours to both the Main Library and Life Sciences Library. The libraries will not be open to the public on an unlimited basis, however, because the available materials are not of general interest or value. Also, some of the material, although not classified, is limited to use by individuals who meet various qualifications as specified by agencies and companies who allow it to be included in the Ames collection.

Unrestricted materials will be available to an "outside" visitor for use in the libraries or they may be borrowed through the normal interlibrary loan facilities of the individual's place of business.

An additional service for Ames employees will be the out-of-hours use of the Main Library. The building will be locked for normal security precautions, but employees anticipating need for use of the library during evening or weekend hours may check out a building key at the library desk. Those with an unanticipated need for such library use may be admitted by the Ames guard.

The Life Sciences Library will be open to use on the same basis.

A procedure for self-service checkout of some library materials by out-of-hours users will be initiated shortly. It should be noted that Xerox machines will not be available during hours when the libraries are unattended. Other changes to extend the services of the library facilities are also underway and will be made known as they occur.

The Main Library has resumed service for a full working day and employees are welcome to call or visit the library from 8 a.m. to 4:30 p.m.

For details on library services call the Main Library, ext. 3312, or the Life Sciences Library, ext. 2141.

Concorde Test Pilot . . . Monsieur Jean Pinet, representing the Societe Nationale Industrielle Aerospatiale (SNIA), formerly Sud-Aviation, visited the Center recently and assisted in the preparation and initial check-out of the Concorde aircraft simulation on the Ames Flight Simulator for Advanced Aircraft (FSAA). Mr. Pinet is pictured in the cockpit of the FSAA as he prepared to pilot the simulation; in general the dynamic response of the simulated aircraft satisfied him and he was obviously impressed by the lateral motion cues provided by the FSAA motion system. The FSAA, believed to be the most capable aircraft flight simulator yet developed, became fully operational last November.

Navy Reserve to Promote Gerdes
Ames aerospace engineer and pilot Ronald M. Gerdes, Flight Operations Branch, has been selected for the rank of Captain in the U.S. Naval Air Reserve, Mr. Gerdes, currently a Commander, drills one weekend each month at theNaval Air Reserve Training Unit, Alameda Naval Air Station.

Mr. Gerdes first joined the Naval Air Reserve in July 1953 after five years of active duty with the U.S. Navy. He was permanently assigned to Ames as an aerospace research engineer in 1967 after graduating from the University of California at Berkeley.

DEADLINE EXTENDED

FPC Scholarships

The deadline for filing student applications for the 1970 Scholarship Award Program sponsored by the Federal Personnel Council of Northern California has been extended to April 15.

At least two $350 scholarships will be awarded and the selections will be announced at a luncheon in June.

To be eligible, the applicant must be a son or daughter of a career civilian employee presently employed in a Federal agency located in Northern California; or a son or daughter of a retired or deceased employee who had been a career civilian employee of a Federal agency in Northern California; or must be currently employed in a Federal agency in Northern Calif. under the Stay-in-School program; or must have been employed during the summer of 1969 under the YOC program; or must be a high school senior graduating in January or June 1970.

Application forms may be obtained by contacting Mrs. Evans or Mrs. Kohler, Room 134, Admin, Mgt. Building, ext. 2385.

USCS Announces Apprentice Exam

The San Francisco Interagency Board of U.S. Civil Service Examiners has announced an Apprentice-ship First Year Examination, $2.94 an hour, for career opportunities at various Naval Installations in the Bay Area. The closing date for this announcement is April 27.

Anyone interested in obtaining more information about this examination may call Mrs. Menges, Employment Branch, ext. 2021.
SPECIAL DISCOUNTS OFFERED TO PERSONNEL AT AMES

Discipline cards, mail order discount coupons, and other special offers are available without charge for all Ames employees, tenant organizations at the Center, and retired Ames employees. Contact The Astronaut Office, Room 155, Administration Management Building.

DISCOUNT CARDS

DISNEYLAND Magic Kingdom Club cards for special benefits at Disneyland.

FRONTIER VILLAGE: Frontier Wonderland Club cards for special benefits at Frontier Village.

SANTA CRUZ BEACH and BOARDWALK: Beachcomber Club cards for a 10 percent discount.

ABC MARINE WORLD: Membership cards offering a 10 percent discount at Marine World, Redwood City.

DISCOUNTS

FURNITURE: Cards are available for the House of Karlton, San Jose.

CLOTHES: Peninsula General Tire Company, Mt. View and Saratoga Ave., George Tire Service, Inc., for Dunlop, Michelin, and Selmering; and Keith's Tire and Brake Service, Guadalupe and Campbell, 30 to 50 percent discount.

JEWELRY: Michael's Jewelry, Montague Shopping Center, Santa Clara, and Princeton Plaza, San Jose.

CATALOG: Service Exchange Distributors of San Francisco, offering a variety of merchandise at discount. Catalog is the "Astrogram" office.

SEA WORLD: Ames employees can now receive reduced-rate tickets to Sea World, on Mission Bay, San Diego, through Sea World's Dolphin Club card.

DINNER CLUB: International Dinner Club coupon books for $3, order forms available.

AUTOMOBILES: Buy on lease, any new automobile at fleet prices from the Ames, Inc., Los Altos. All makes available.

NEW ITEMS

CAMPING: The City of San Jose owns and operates San Jose Family Camp located on the middle fork of the Tuolumne River near Yosemite National Park. Registration for residents and non-residents is now underway for the coming season which runs from June 22 through Sept. 4. A brochure with further details is available for review in the "Astrogram" office.

BEACHCOMBER CLUB: Unlimited rides at Santa Cruz Beach and Boardwalk for $2.50 per person any Saturday during April with Beachcomber Club card.

EXPO '70 TOUR: The Blue Saints of Explorer Post 36, Los Altos, in cooperation with the Bay Area Council of Boy Scouts, are offering Ames employees an opportunity to join their round trip outing Oakland to Tokyo for June 25 - August 16. Additional information in the "Astrogram" office.

MICHAEL'S JEWELRY: Special through June - Diamonds all sizes and qualities cost plus 10%.

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BOWLING

THE FIGHTING PUMAS... took first place again this year in the All-Ames Basketball League with a 59-46 win over BCA in the playoff. Winning team members are (l to r, front row) Jim Connolly, Pete Haro, Tom Carson, and Dave Simnot; back row (l to r), Terry Gossert, Marnell Smith, Len McCulley, and Roger Hedlund. Not shown, Ken Sousa.

SOFTBALL

Anyone interested in playing for the NASA Ames Softball team which competes against various industries from the surrounding communities, please contact Bruce Ganzerl, ext. 2747.
Ames Scientists to Take Part In NTC Conference

"Telemetry in Transition" will be on display in Los Angeles April 27-30, when the 1970 National Telemetering Conference (NTC) presents 14 technical sessions, a half-dozen "live" scientific demonstrations and an advanced equipment expo. All sessions and exhibits will be held in the Los Angeles Hilton Hotel.

Ames research scientists taking part in the technical sessions are Thomas B. Fryer, Assistant Chief of the Electronics Research Branch, and Robert R. Nunamaker, Chief of Flight Operations, Project Pioneer. Mr. Fryer will give a paper entitled "Implantable Biotelemetry Systems"; Mr. Nunamaker's paper, which was authored by Lewis W. Dickerson and Charles F. Hall, discusses Project Pioneer 1965-70.

Two pioneers in modern technological management, Dr. George Mueller and Gen. Bernard A. Schriever (Ret.), will deliver major addresses, and a special showing of lunar rock and Surveyor III accessories, returned to Earth by Apollo 14, will be presented recently to Milton W. Alberry (center) of the Army Aeronautical Research Laboratory (AARL) was recently awarded the Meritorious Civilian Service Award for Bravery, the Army's second highest civilian award, as a result of an accident in the 40- by 80-Foot Wind Tunnel last September. Paul F. Yaggy (left), Director of the AARL, is pictured congratulating Mr. Alberry following presentation of the award by Dr. Hans Mark (right), Ames Director.

Alberry Receives Top Army Award

The U.S. Army's Meritorious Civilian Service Award for Bravery was presented recently to Milton W. Alberry of the Army Aeronautical Research Laboratory, the U.S. Army Material Command. The citation accompanying the award was signed by General F. J. Chesarek, Commander of the U.S. Army Materiel Command. The award is the second highest civilian honor and was presented by directions of the Secretary of the Army to Mr. Alberry for distinguishing himself while assigned as an Engineering Technician in the control room of the Center's 40- by 80-Foot Wind Tunnel.

Mr. Alberry distinguished himself during a full scale test of the Army's "Cheyenne" helicopter when an accident occurred. The citation made note that, "the helicopter being tested experienced a sudden, catastrophic divergence throwing parts into the control room. Amid flying debris, he immediately shut off the fuel and electrical supplies to the aircraft, and rendered first aid to a seriously injured coworker, possibly saving his life. His initiative, skill, courage, and sound judgement were in the highest tradition of the United States Army and reflect great credit upon himself, the U.S. Army Aeronautical Research Laboratory, and the U.S. Army Material Command."

Results of the ARA Election

The first annual election to form the Executive Board of the Ames Recreation Association (ARA) was held recently. A total of 1262 Ames employees (63.5%) cast ballots for the candidates of their choice. In addition to the 51 candidates listed on the ballot 100 persons received at least one write-in vote. The nine persons elected to the Board and the number of votes each received are:

- Armando E. Lopez: 534
- Frank A. Lazzaroni: 532
- Andre T. Bogart: 515
- Dr. Seymour N. Stein: 415
- Barbara B. Perryman: 408
- Albert A. Puccinelli: 377
- Janet E. Konrath: 370
- Emerson N. Shaw: 345
- Dr. John E. Greenleaf: 328

Officer elections will be held at the first meeting of the new board.

Civil Defense Alert Apr. 24

Ames employees are advised by the Santa Clara County Office of Civil Defense that the next regular testing of the Civil Defense alert and warning system occurs at 11 a.m. on Friday, April 24.

SIGNAL

The test consists of a steady siren tone for one minute, a minute of silence, then a warbling tone or series of short blasts for a minute.
Annual Secretaries Week Proclaimed

"Better Secretaries Mean Better Business" is the theme of the nineteenth consecutive annual Secretaries Week being observed this week (April 19-25).

Governors and mayors throughout the United States have officially proclaimed Secretaries Week, and their counterparts in Canada have done the same.

The purpose of Secretaries Week is to bring recognition to secretaries for the vital role they play in business, industry, education, government and the professions.

Secretaries Week was originated in 1952 by The National Secretaries Association (International) in cooperation with the U.S. Department of Commerce to draw attention to the secretary's contribution to the educational, professional, and civic growth of the community. It also serves to remind secretaries of their responsibilities to their employers and to their profession.

JOGGERNAUTS

The Joggernauts will meet Friday, May 1, at 12 noon in the conference room of the Instrument building (313). The program will include a display of running shoes and related equipment. For information call Jim Woodruff, 2066.

AMES JOGGERNEWS


Dona Willoughby came in third in the Road Runners Club one-mile cross country race at Foothill in 7:58 on March 8; and Vito D'Aloia completed the 15,000 meter run in 64:51.

Ted Passeau and Vito D'Aloia completed the 81 Dorado 14-mile race, April 11, in 1:59:00 and 1:52:22 respectively.

HAM OPERATORS

Any ham operator interested in joining AMSAT, the Radio Amateur Satellite Corp., please contact Dan Hegarty for further information, ext. 3149 or 352-2346.

HANDBALL

Men! Women! All employees interested in playing handball or learning the game are asked to call Bruce Castle, ext. 2964. He needs to know the number of people interested in participating, so please respond.

Personnel Corner

RIGHT OF ACCESS

The U.S. Civil Service Commission has requested all Federal agencies to publicize again the rights of access of Federal employees to their Personnel Offices and to management personnel.

An employee has the right to communicate with:
(a) the Personnel Office;
(b) the Equal Employment Opportunity Officer;
(c) a supervisory or management official of higher rank than his immediate supervisor; and
(d) the counselors on matters of standards of conduct (in the Legal and Personnel Offices).

Employees are encouraged to discuss problems with their immediate supervisors and to seek solutions through informal means and personal contact with their supervisors. The rights of access noted above are not intended to diminish or interfere with good supervisory-employee relationships.

Employees wishing to talk to these officials should make arrangements for appointments which are convenient for the employee but which do not unduly disrupt the work schedule established by the supervisor. The employee is not required to explain his reasons for wishing to talk to any of the above officials.

An employee has the right to file a complaint, a grievance, or an appeal under the procedures of his agency or the Commission without interference or threat of reprisal.

An employee acting in an official capacity for an agency shall not interfere with or attempt to interfere with the filing of such a complaint, grievance, or appeal, or take or threaten to take any act of reprisal (including, but not limited to, discharge or other disciplinary action, denial of promotion, or adverse performance evaluation) against an employee because he has filed, or expressed an intention to file, a complaint, a grievance, or an appeal under the procedures of his agency or the Commission.

Frolich Elected To City Council

Donald Frolich of Research Engineering was elected to the Cupertino City Council for a four-year term on April 14. Mr. Frolich was one of five persons running for the two open positions on the five-man council.

Mr. Frolich has lived in the city of Cupertino for 11 years and was on the City Planning Committee for nine years prior to his election to the City Council.

Wanted: Coupons For Kidney Machine

The Deb's Club of Lynbrook High School is sponsoring a project to collect 800,000 coupons from General Mills products to be used for the purchase of an artificial kidney machine.

Coupons are found in or on cake mixes, flour, Bisquick, cereals, pancake mixes, snacks, treats, etc., and are redeemed for cash by General Mills. The Deb's Club will turn this money over to the Northern California Kidney Foundation which in turn will purchase the kidney machine.

Deadline for donating coupons is May 10. They may be sent either to Toby Gonzales, Ames Mail Stop 233-12, or Lynbrook High School, P. O. Box F, Sunnyvale.
The 1970 Solar Eclipse as Seen by Three Vacationers from Ames

by Jane Kohler

The attention of the world was focused on 210 seconds of darkness early last month as professionals and amateurs alike converged along the pathway of the 1970 solar eclipse—the last in the area until August 21, 2017.

Days of preparation and planning preceded the event as viewers from the Yucatan peninsula to the New England coast and beyond, arranged to be in just the right location at the right time for a grandstand seat at one of nature’s most awesome phenomena.

Although billed as “the last solar eclipse of the century,” a total eclipse actually occurs somewhere on Earth about every 18 months, but it takes 360 years for a total eclipse to recur in the exact same place.

The path of totality for the solar eclipse of March 7 began in the Mid-Pacific Ocean south of the equator, crossed the Isthmus of Tehuantepec, Mexico, the Gulf of Mexico and Northern Florida, the Eastern Seaboard of the United States, Nantucket Island, the eastern parts of Nova Scotia and Newfoundland and terminated in the North Atlantic.

All of these facts were carefully considered by three members of the Space Sciences Division who took annual leave to join observers in one of the best earthbound viewing spots along the path of the eclipse—Mexico.

ALBERTA ALKESNE

Alberta Alksne was with some 20 members of an expedition from Foothill College who went to Mexico to photograph comets and the eclipse. Hal Collard joined the Astronomical Society of the Pacific to be among the viewers and Dave Colburn planned his family’s vacation in Mexico to coincide with the event.

All arrived within a 25-mile area at varying times before the eclipse; Alberta in the small village of Mitla, and Dave and Hal both in an area outside of Mitla on the Yucatan peninsula, a town of approximately 7,000.

Alberta and members of the Foothill expedition flew to Oaxaca, Mexico, a week before the eclipse and headed for the village of Mitla which was to be in the path of totality. They made camp in a nearby field and began preparations for the coming event.

While awaiting the big day telescopes were set up and adjusted and the villagers of Mitla were invited to view the astronomical wonders of nature’s evening ceiling. Although there was a language barrier the people of the village are Zapotec Indians to whom Zapotec is the native tongue, with Spanish as a second language, it wasn’t insurmountable, and planets, globular clusters, and double stars were pointed out to the natives, giving them a completely different idea of what exists in the night sky above them.

The participants in this exchange of knowledge were many and the ages were varied. There was a definite feeling of comradeship as children and adults wandered freely throughout the camp examining instruments and asking as many questions as they could make understood. One evidence of the good relationship was the fact that with all the freedom and lack of security, no equipment was lost or even miststaken. On one occasion, in the early hours of the morning, after the weary experimenters had become exhausted pointing out phenomena of the constellations and the equipment had been put away, the Zapotec people stood around the tents and serenaded the experimenters to sleep in apparent appreciation of the exchange of knowledge.

DAVE COLBURN

Meanwhile, Dave Colburn, his wife, Katherine, daughter, Caroline, 17, and sons, Gregory, 12, and Nicolas, 5, were on their way to Mitla and arrived the morning of the eclipse. Their observation post was a local farm where Dave planned to watch the reaction of the farm animals during the eclipse. Very often during such an event animals react as if night was coming on, or they show other signs of confusion. The Collbum’s became friendly with the men and boys of the farm and prepared a device so that all could watch the eclipse without injury to their eyes. But what about the women of the farm, where were they? They were afraid of this unknown event and insisted on staying hidden in the house.

HAL COLLARD

Also arriving in Mitla on the morning of the eclipse was Hal Collard. He joined the Astronomical Society of the Pacific in Oaxaca and bused to the viewing site, arriving to find the roads into town overflowing with observers who had been turned away to protect the many experiments which had been set up, Hal and his group made it, though, and jumped from the bus just as the first shadows began to fall.

The observers report that darkness set in about ten minutes before totality and the remaining light from the Sun was diffused as it escaped around the Moon. The sky and surrounding landscape assumed strange colors and quivering, ripple-like shadow-bands of the Moon appeared on every white surface.

As the total phase waned a narrow crescent of the Sun reappeared. This enlarged for about an hour until the Moon had moved off and the Sun again shone with its usual brilliance.

VIEWING

Alberta’s group viewed the eclipse by means of a telescope set up with a mirror at the end of a large tube which projected the image of the Sun onto a large screen; Dave Colburn and his family watched the eclipse with the men and boys of the farm as it was projected through a circle cut in cardboard and reflected on another sheet, keeping one eye on the farm animals.—It is interesting to note that there was no reaction from the animals, the eclipse didn’t phase them—“they didn’t do anything”; Hal Collard and friends found just the right spot along the roadside even though they were late arrivals.

The results of the viewing, other than the scientific data, were personal satisfactions at being present to observe a once-in-a-life-time sight, and sharing such a moment with people of different cultures. Not all the data have been compiled, nor all the photographs developed, but Alberta, speaking for her group, said, that if nothing was gained scientifically, enough in international relations was accomplished with the people of Mexico to more than justify the expedition.
**BOWLING**

**by Clark White**

The standings of the All-Ames bowling league with one week of competition remaining in the regular season are as follows:

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<tr>
<th>Division</th>
<th>Team</th>
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<tr>
<td>I</td>
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**SUMMER BOWLING**

**ALL-AMES LEAGUE**

**FREE BOWLING!**

Nice thought, is it not? Sorry we can't make such an offer, but we do still need bowlers for the All-Ames Summer Bowling League. The league will run from May 12 through August 18, bowling Tuesday evenings, 6:30 p.m., at Moonlite Lanes in Santa Clara. Trophies will be awarded to the high scorer each week. Free trophies and banquet at the end of the season. Individuals and teams are invited to sign up now with Dennis Riddle, ext. 2214 or Clark White, ext. 3152.

**GOLF**

by Kay Bruck

The Santa Teresa tournament of the Ames Golf Club on April 4 was played in two flights. The best three net scores out of a foursome were taken for the team's score; however, the kicker was that the foursomes were scrambled so that partners were unknown. This ingenious tournament was masterminded by Chairmen Roger Hedlund and John Mulchron who reported the results as follows:

- First flight: first place went to Frank Laszeroni, Herb Roy, Ron Denison, and Debby DeBoevois; second place went to Al Petretti, Ray Ebnerger, Roy Griffin, and Jack Lee; third place went to Bill Fister, Joe Quercuito, Ruben Ramos, and George Falkenthal.

- Second flight: first place went to Larry Hochstein, Yvonne Sheaffer, Ben Tyson, and Sal Tardio; second place went to Bill Page, Bill Thompson, and Ed Tischler; and third place went to Lee Seegmiller, Jim Silver, Edie Watson, and John Estvanik. Prizes were also awarded for Low Gross, Frank Laszeroni; Low Net, Larry Hochstein; and Closest-to-the-Pin, Ruben Ramos.

The next Ames Golf Club Tournament will be at Sunol (Cypress Course) on May 9.

**SUMMER BOWLING MIXED FOURS LEAGUE**

Bowlers are wanted for the Ames Mixed Fours Summer League which begins play Thursday evening, May 14, 6:30 p.m., at Moonlite Lanes. Call Phyllis Cunnell for details, ext. 2329.

**SOFTBALL**

The NASA-Ames Fast Pitch Softball schedule for the first half is as follows:

- April 29: M - 8:30 p.m.
- May 7: M - 7:00 p.m.
- May 14: F - 9:15 p.m.
- May 20: M - 7:00 p.m.
- May 21: F - 9:15 p.m.
- May 27: M - 7:00 p.m.
- June 1: M - 7:00 p.m.
- June 4: F - 7:45 p.m.
- June 8: M - 8:30 p.m.
- June 11: F - 9:15 p.m.
- June 17: M - 8:30 p.m.
- June 18: F - 9:15 p.m.
- June 24: M - 8:30 p.m.

**WANT ADS**

For Sale-1960 Dart, V-8, stick shift, low mileage, good condition, $600. Call 344-9799 after 5 p.m.

For Sale-1966 Marmon, stick shift, $1100. Call 346-220 after 5 p.m.


For Sale-1965 Ramdner Americans, 4000 miles, original tires, radio, automatic transmission (5 speed), automatic headlights, rare, new tires. $1800. Call 233-8046.


Bowling-All-America, 30+ 4-net, stick shift, starter. For details, ext. 3152.

Bowling-Two people, 30+ average, stick shift. Call 3152 for details.

Bowling-Driver, 30+, stick shift, starter. Call 3152 for details.

Bowling-Two people, 30+, stick shift, starter. Call 3152 for details.

Bowling-One person, 30+, stick shift, starter. Call 3152 for details.

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