

Employees Are Honored At JSC Ceremonies

A group of NASA and aerospace industry employees received the agency's top award for their part in the recently-completed Skylab program at ceremonies at the Johnson Space Center.

Presenting the awards was NASA Administrator Dr. James C. Fletcher and Deputy Administrator George M. Low. The awards were made to 26 individuals, six employees of aerospace firms and four groups who took part in the world's first operational manned space station. Three Skylab missions established space duration records of 28, 59, and 84 days respectively, and yielded new data on the sun, the earth, behavior of materials in space, and the effects of space-flight upon the human biological system.

The NASA Distinguished Service Medal was awarded to Robert F. Thompson, Space Shuttle Program Manager. Thompson served as the first manager of the Skylab program at its inception when it was called Apollo Applications.

Flight Control Division Chief M. P. "Pete" Frank III received the NASA Outstanding Leadership Medal for his efforts in coordinating flight control operations in Mission Control Center during the three Skylab missions.

The NASA Exceptional Service Medal went to the following JSC employees: Deputy Director of Life Sciences, Dr. Lawrence F. Dietlein; Dr. Jerry R. Hordinsky, William H. Bush, Jr., Dr. Malcolm C. Smith, John C. Stonesifer and William J. Huffstetter, Jr. all of Life Sciences Directorate; Jay F. Honeycutt, Vance D. Brand, William B. Lenoir, Elmer L. Taylor, Don L. Lind, Carl B. Shelly, Bruce

McCandless II, Melvin L. Richmond and F. Story Musgrave, all of the Flight Operations Directorate. Also: Jackson D. Harris, Gray W. Johnson and Harold J. McMann, Jr., of the Engineering and Development Directorate; Richard P. Parten and Samuel D. Sanborn of the Data Systems and Analysis Directorate; Allen J. Louviere of the Earth Resources Program Office; John E. McLeaish of the Public Affairs Office; Bobbie J. Miller of the Safety, Reliability and Quality Assurance Directorate, and Charles K. Williams of the Space Shuttle Orbiter Project Office.

NASA Group Achievement Awards went to the Johnson Space Center as a unit, the Skylab Medical Team, the Earth Resources Experiment Team, and the U. S. Navy Recovery Task Force Team that recovered Skylab crews and spacecraft at splashdown.

The NASA Public Service Awards were presented to the following aerospace industry employees: James C. Edwards of Air Lock Corporation, George B. Merrick of Rockwell International, Robert J. Molly of Martin Marietta Corporation, George R. Mulcahy of Ser-Air, Inc., Richard C. Nelson of AiResearch and Homer D. Reilm of ILC Industries.

A special Group Achievement Award was presented by Dr. Fletcher to the employees at the Johnson Space Center. Dr. Kraft and a selected committee of people accepted the award from Fletcher.

After the presentations were made the Skylab IV crew members Jerry Carr, Ed Gibson, and Bill Pogue offered words of appreciation and congratulations to all those involved with the Skylab program.

Eleventh Space Congress Held At KSC

The Eleventh Space Congress convened in Cocoa Beach April 17, 18, and 19 to present an up-to-date status report of what has happened, what is happening, and what is projected for the United States space program.

This year's event, highlighted the "Benefits of Space Achievements," and attracted participation from various foreign countries and represented a broadened interest area which included Shuttle Payloads in the Eighties, Energy and the Environment, Commercial Applications of Space, and the Benefits of Space Exploration.

Additional topics covered included how future unmanned programs like Viking and Mars as well as manned programs such as Apollo/Soyuz and Space Shuttle will benefit mankind, the latest on Meteorology and Earth Resources and the problems as-

sociated with operating a company on foreign lands was also discussed.

3 Firms Selected For EOS Studies

NASA has announced the selection of three firms for contract negotiations to perform parallel systems definition studies for the Earth Observatory Satellite (EOS) mission. The firms are General Electric Company, Valley Forge, Pa.; Grumman Aerospace Corp.; Bethpage, N. Y.; and TRW Systems Group, Redondo Beach, Calif.

The EOS studies are to provide a low-cost modularized spacecraft capable of supporting a variety of research and development applications missions. EOS will provide a space platform for test-

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ROUNDUP

NASA LYNDON B. JOHNSON SPACE CENTER

HOUSTON, TEXAS



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Center Director Dr. Christopher Kraft displays Group Achievement Award presented to the employees at JSC by NASA Administrator Dr. James Fletcher and Deputy Administrator George M. Low.

Kinzler Top Area Civil Servant

Jack Kinzler, Chief of the Technical Services Division at Johnson Space Center was awarded the Federal Business Association Civil Servant of the Year Award by the Houston-area Chapter at the Rice Hotel April 16.

Representative Bill Archer presented the award to Kinzler for his outstanding personal performance in the development and fabrication of the parasol system that was used successfully on Skylab, and also for his commendable participation in civic affairs.

The annual FBA Civil Servant of the Year Award is established on service to government and community service contribution. The field of competition is highly regarded and the selection of Kinzler is the first time that a JSC employee has received the award.

The parasol system developed by Kinzler effectively reduced the temperature which had risen to above 100 degrees inside the space station to a comfortable level for crew habitation and minimized the damage to food and film supplies. His parasol

device allowed the completion of most of the goals originally established for the first Skylab manned flight and paved the way for the launching of two additional Skylab missions.

The Technical Services Division, in which Kinzler has been Chief for the last 12 years, has earned the reputation as a last-minute service organization where special items such as brackets for cameras, modifications to space suits, and other various kinds of hardware are fabricated and supplied in an extremely short time frame to meet critically close launch day schedules.

By far the most important, and certainly the most challenging task resulted when the micrometeoroid shield tore loose approximately 63 seconds after the launch of the Skylab orbital workshop.

In October 1973, Kinzler received the National Aeronautics and Space Administration's highest honor for his contribution to the Skylab Program—the NASA Distinguished Service Medal.

In addition to his official re-

sponsibilities, Kinzler has made himself available for numerous speaking engagements to local industry, professional women's associations and to secretarial associations.

He has served as Chairman of the Johnson Space Center Source Evaluation Board for selection of support service contractors, and for the last 4 years has been Chairman of the Suggestion Committee.

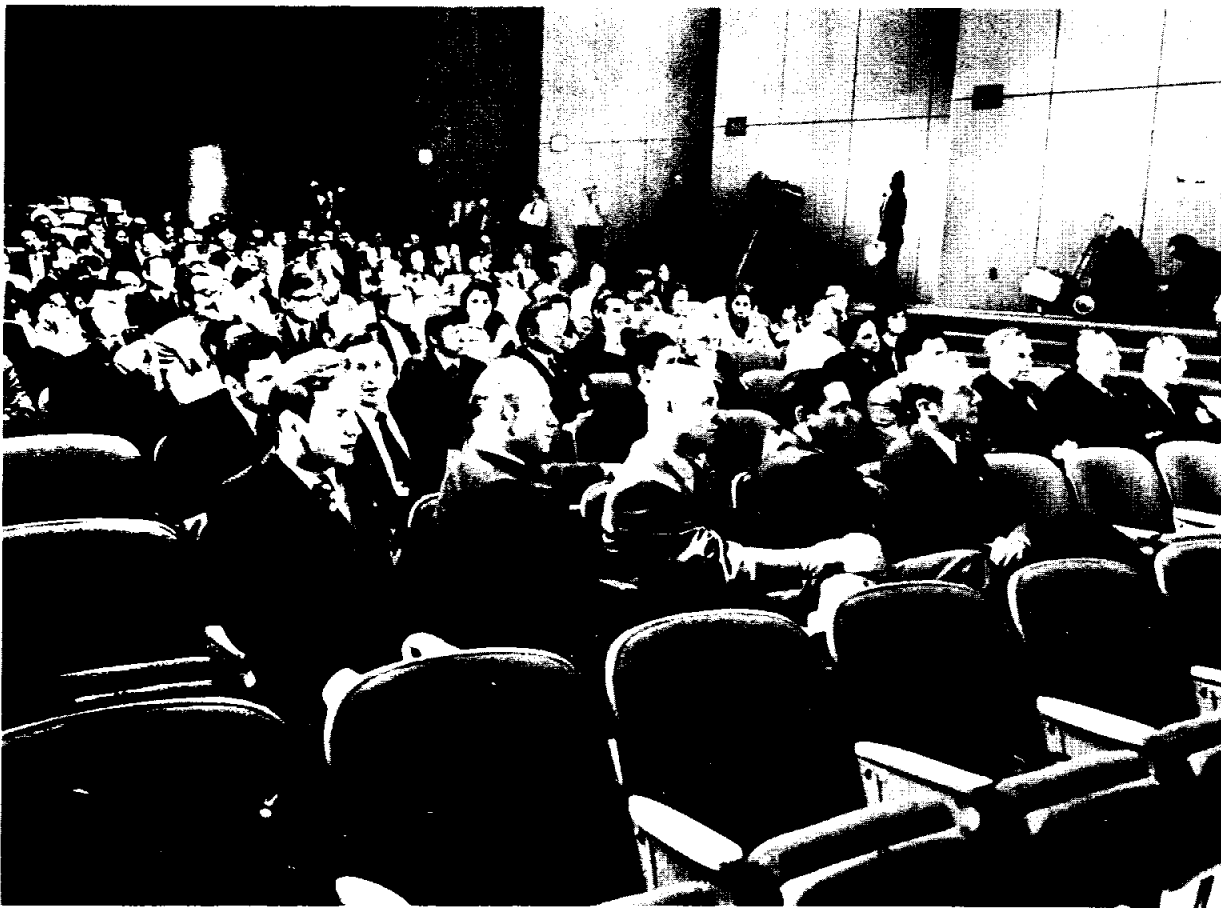
Kinzler was appointed by the Mayor of Taylor Lake Village as a Zoning official. He participates in Boy Scout activities including holding past positions as Merit Badge Counselor and Treasurer of Troop 895 in Seabrook, and is currently working with neighborhood boys in establishing an Explorer Scout Post.

Kinzler is a very active member of the Webster Presbyterian Church Choir and has sung with the Bay Area Chorus. He has also served as a Director of a "Junior Achievement" group, and was a member of the Timber Cove Recreation Association Board of Directors.

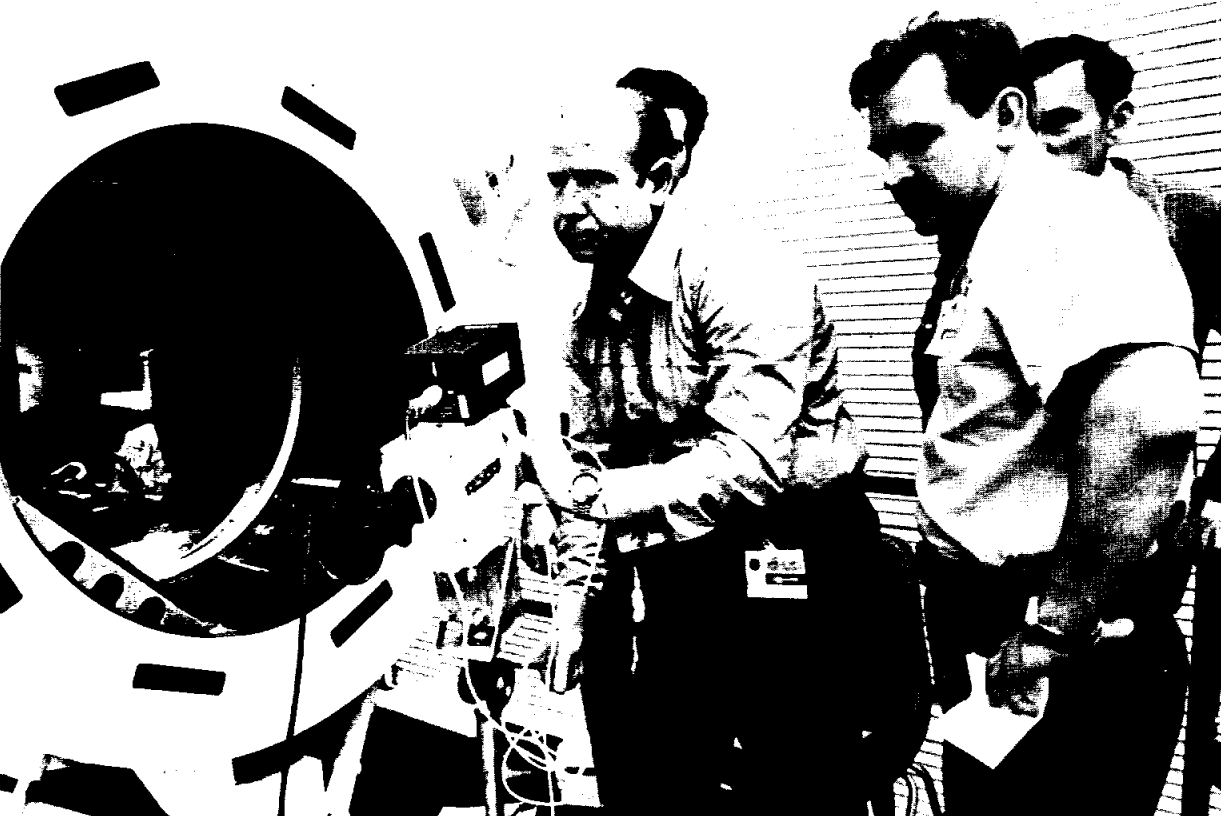
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JSC Center Director Dr. Christopher Kraft congratulates Jack Kinzler (center), Chief, Technical Services Division on receiving the FBA Civil Servant of the Year Award as Joe Piland, Director of Center Operations looks on.



Cosmonauts receive welcome. From left to right in the front row: Valerity N. Kubasov, Prime Crew Cosmonaut; Aleksey A. Leonov, Prime Crew Cosmonaut; General Thomas Stafford, U.S. Astronaut; Valerity F. Bykovskiy, Training Officer for Soviet ASTP Flight Crews; Vance Brand, U.S. Astronaut



Soviet Cosmonauts go through familiarization procedures with ASTP television cameras. From left to right are Cosmonauts Leonov and Kubasov. Dave Brooks is behind Leovov and the Soviet interpreter K. S. Samofal is behind Kubasov.



Camera familiarization procedures are explained to Soviet Cosmonauts Leonov and Kubasov by American Astronauts Tom Stafford (far right) and Donald Slayton (right front).

Space Fastener Device Developed

NASA has granted a seven-year patent license to a Burlingame, California firm to manufacture and sell a unique fastening device originally developed for use in space but which is expected to have wide application in the construction industry.

The device was conceived by Charles C. Kubokawa of NASA's Ames research Center, Moffett Field, Calif., who was studying problems associated with assembly of components in space.

Mr. Kubokawa's fastener is es-

entially a toggle bolt which can be readily inserted in an aperture but cannot be released until a push-button is depressed.

The fastener can be manipulated by a person wearing bulky gloves, such as found on a space suit, and the person need only have onside access to the members being fastened. For example, a user of the fastener can quickly and securely fasten together two large panels without having to reach behind the panels.



Charles C. Kubokawa of the NASA Ames Research Center, Mountain View, California, holds a fastening device he invented as a result of studying problems associated with the assembly of components in space. The fastener is being adapted by a Burlingame, California, firm under an exclusive NASA patent license for hoisting and erecting building elements.

Space Shuttle Test Performed

The beginning of the Space Shuttle Main Engine test program was signaled with a three and half second burst of flame April 14 at the Rocketdyne Division of Rockwell International Corporation at Canoga Park, California.

The milestone test, the first hot firing of a preburner assembly, took place at Rocketdyne's test site in Santa Susana Moun-

tains near Chatsworth, California. The testing is being conducted on a modified Apollo test stand. Subsequent component and subsystem testing will also be performed at Santa Susans, but the total engine will be tested at NASA's Mississippi Test Facility.

EOS Studies

(Continued From Page 1)

ing sensors and collecting remotely sensed data for a number of applications studies. The EOS spacecraft will be designed for launch by conventional launch vehicles and by the Space Shuttle in the launch resupply and retrieval modes. The first application mission being studied is a land-water use mission.

Kinzler

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Born in Pittsburg, Pennsylvania, Kinzler is married to the former Sylvia Richardson of Neilsville, Wisconsin. They have three children and live in Timbercove, Seabrook, Texas.

ROUNDUP

NASA LYNDON B. JOHNSON SPACE CENTER

HOUSTON TEXAS



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Photographer: A. "Pat" Patnesky

EAA Attractions . . .

ASTROWORLD NIGHT CANCELLED

JSC night at Astroworld was cancelled because of weather conditions. Your Astroworld tickets can now be used any day this season.

TABLE TENNIS CLINIC

The JSC Table Tennis Club in conjunction with Table Tennis Unlimited is sponsoring a table tennis clinic at the Gilruth Recreation Center on Tuesday, April 30, from 7:00 to 10:00 p.m. in rooms 204 and 206. The clinic featured activities for beginners intermediates and advanced players are:

- Exhibition of modern table tennis techniques
- Demonstration of amazing Stiga Robot (play against Robot)
- Individual instruction
- Instructional movies-modern techniques
- Movies of World Championship play

Spouses and children are invited and encouraged to attend. Tickets at .50/person or .75/family available at door or from Stephen Jacobs, 483-3561.

MAGIC KINGDOM CLUB

If you are planning a trip to Disneyland in California or Disneyworld in Florida this summer, be sure to get a Magic Kingdom Membership Card before you go. The membership entitles you to substantial discounts on ticket books, hotel and camping accommodations, rent-a-cars, and various package vacation plans available only to members. Cards are currently available through the JSC Travel Club and can be obtained from Lil Smith, X5321.

TENNIS TOURNAMENT

The JSC Tennis Club will hold a member tournament at the Gilruth Recreation Center on May 4 and 5. The tournament will feature men's and women's singles competition starting at 8:00 a.m. and continuing until 8:00 p.m. For information about joining the Tennis Club call John Norris, X2788. For tournament information call Paul Anderson, 554-2187 after 6:00 p.m.

LAS VEGAS NIGHT

Don't forget JSC Las Vegas Night May 25 at the Gilruth Recreation Center. Talk to your EAA Rep for details. Tickets are available from Mary Yarbrough, X2995 for \$7.50 each. Price includes a sandwich buffet and free drinks.

GILRUTH RECREATION CENTERSCHEDULE-APRIL 29-MAY 12

Judo Club—Room 204-5:00 to 6:30 p.m. Mon. April 29 and May 6, Wed. May 1 and 8.

Karate Club—Gym-Mon. April 29 and May 6-5:30 to 7:30 p.m., Wed. May 1 and 8-5:30 to 7:30 p.m., Thurs. May 2 and 9-6:00 to 9:00 p.m.

Table Tennis Club—Rms 204 and 206-7:00 to 9:45 p.m., Tues. April 30 and May 7.

EAA All Star Volleyball Club—Gym-8:00 to 9:45 p.m., Mon. April 29 and May 6, Wed. May 1 and 8.

Open Gym—daily Mon. thru Fri. 9:00 a.m.-5:00 p.m., nightly Mon. and Wed. 5:00 to 8:00 p.m., Tues. and Thurs. 5:00 to 9:45 p.m., Fri. May 3-5:00 to 8:00 p.m., Fri. May 10 5:00 to 9:45 p.m., Sats. 8:00 a.m. to 6:45 p.m.

Roundup Swap-Shop

Swap Shop advertising is available to JSC and on-site contractor personnel. Articles or services must be offered as advertised, without regard to race, religion, sex or national origin. Ads should be 20 words or less, including home telephone number. Name and office code must accompany, but need not be included in ad copy. Typed or printed copy must be received (AP3 Attn: Roundup) by Thursday of the week before publication.

MISCELLANEOUS

200 mm telephoto Sears (Ricoh) lens for 35 mm camera. Pentax type mount, never been used. \$85 new. Will sell for \$50 Jerry Kilpatrick 534-4603.

Hammond Super-Maverick organ, 2 mo. old Autochord, percussion, cassette player/recorder. \$1,300. Many xtra registrations. 483-3080. Dog house large, wooden, w/shingle roof. Cost \$50, sell \$20. 944-7632 after 4:30 p.m.

Saddle tanks for pickup truck. Fiberglass fully guaranteed. Ragan, X2891. After 5, 481-0408.

B/W Magnavox port. t.v., exc., /\$60. Call Klotz 488-1514 or X5501. Scuba weights \$1.00 per pound. Call Klotz 488-1514 or X5501.

Boat trailer for boat up to 16 ft and 350 lbs. hvy. duty const. Unused. w/papers and 1974 license plate. \$125. 334-2897.

Swing set for pre-school age children, with glyceride, fireman's pole, trapeze, \$10. Merriam, X4801 or 488-3806.

Travel Trailer, 18 Mobil Scout, self contained, sleeps six, tandem axles, stabilizing jacks, equalize hitch, vehicle mirrors, bird, 487-0942.

Wanted to buy: Scuba diving equipment. Call Roby 946-1806 after 6 p.m.

Minox C camera, case new \$150. Leica M3 f 1.5 Summarit lens, case, meter. \$200. Call McBryaer, X3286 or 534-3076.

Camping Trailer, Starcraft Constellation 8, exc cndn, ice box, stove, sink, sleeps 8, storage. \$1095. Cowan, X3516 or 944-1551.

Tent Camper Trailer, sleeps six, furnace, stove, water, icebox, sink, closet. Hector 488-0217.

Microwave oven, Sears Best, 1 yr. old. 482-7858.

5 Channel radio control system, Heathkit Subminiature Servos, 2 planes, engine, exc cndn, will demonstrate, make offer, Dennis X3471.

Camper 8 1/2 ft w/stove, sink, water tank, ice box, toilet, 5 in foam mattress, closet, cupboards, carpet, one owner, exc cndn, low price. Call 481-1158.

25 gal. electric bait well, keeps shrimp/minnows alive for days. \$18. Call x5028 or 538-1047.

First Flight golf clubs, complete set, 2 yrs old, woods 1, 3, 4, irons 2 - sand wege. \$125. call Ben James. x2938.

Wanted to form car-pool: From Park Place area to NASA, bidg 7A, 8:00-4:30. Call Donna, x5101.

"Modern Spanish 2nd Ed." textbook, bought new and used last semester. \$8. Call S. Newton, x2918 or 332-2280 after 5 pm.

Rent or reserve your camper now for summer vacations. 17400 El Camino Real St., Clear Lake City, Call John Hammond, PanAm, 488-2816.

Baywood Country Club membership, under new reduced transfer fee. Barger, x2905 or 534-4986.

Firewood, full face cord, gd oak, fireplace site. \$35. (not delivered). Call Joe Kosmo, 474-3424.

PROPERTY & RENTALS

12 x60 Schult 1972 Mobile Home, 2 br furn, exc cndn, w/central air and heat, call after 5, 331-5013 or 585-6975.

REAL ESTATE

For sale: Six Spaces (family lot) Forest Park Cemetery/East Gulf Freeway. Call McCommis 488-2843 after 5:30 p.m.

HOUSEHOLD ARTICLES

Sofa-traditional 94 in. gold background, olive green design, four separate back and seat foam rubber cushions, gd cndn. \$75. Parker X4535 or 333-2253.

22' Upright Carrier freezer, door needs seal, \$50. 333-2137 after 5 p.m.

Lawn mower, self propelled. 488-3188 evenings.

Lawn mower, Southland power. \$20. Call 333-2431.

PETS

1 yr old pointer bird dog, some training, free to gd home. Call Mike, x5028 or 538-1047, League City.

Beautiful Apricot Afghan Hound, female, adult, well-adjusted; plus male Yorkshire Terrier, adult. \$150. each. Call 482-1328.

VEHICLES

Cat mini bike, gd cndn, \$85. Call Klotz 488-1514 or X5501.

Honda 50 mini-trial, T. White X5871 or 474-2214.

71 Honda CB175, electric start, turn signals, must sell, \$350. Call 488-5691.

72 Vega Kaamback Wagon, 3-sp, exc cndn, must sell, \$50 over wholesale at \$1550. Call 488-5691.

74 Honda CB550 motorcycle, loaded, 500 mi, has first tune-up, adult owner, cost \$2050 new, will sell \$1695. Call 534-4803.

71 Mustang, 302 V8, A/C, pwr str. AM radio, sportsroof, \$195. Birchett X4651 oe 991-2041.

53 Hudson Hornet, engine restored, \$150. Call McBryaer, X3286 oe 534-3076.

Used Honda mini-trail 50 or trail 70, frame in gd cndn. Call 333-4360.

70 Ford Bronco, 4WD, V8, A/C, aux fuel tank, other opts, gd cndn. \$1900. Call 488-2753.

69 Ford Torino GT, mint cndn, auto, air, pa, new tires, low mi. 18 mpg. Alford 334-2844.

70 Olds Vista Cruiser, xint cndn, 9 pass, air, all pwr, trailer towing accessory pkge. 333-3349.

57 Rambler Station Wagon, new tires, interior, chrome wheels, metallic green, 16-19 mpg, std w/ overdrive, make offer, Dennis X3431.

Pre-68 Karmann Ghia Convertible, tonneau cover, \$25. Dual point Pontiac 400 distributor (new). \$25. Call G. W. Harvey, 621-5311.

70 VW Sq-Bk Sta Wgn, radio, \$1400 firm, Norman, x2131 or 471-3709 after 5:30 p.m.

Wanted to buy for use - Parts for Yamaha 180, shift lever, pegs, etc. Call T. Ward, 488-5445.

BOATS

8' sailing dinghy, oars and oarlocks, sail and dagger board, \$150. Call Klotz 488-1514 or X5501.

Offshore fishing boat 22' Sterncraft and tandem wheel trailer w/accessories and new top. 488-4409 or 334-3271.

1971 Lone Star aluminum 191 boat w/55hp motor and tilt trailer, exc cndn, must sell \$1550. Call 488-5691.

Stick steering rig for 12 - 16 ft. boat. \$15: 3 gal Igloo water can, \$4, call 482-1582.

McDonnell Douglas Awarded Contract

The National Aeronautics and Space Administration 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, Houston, Texas.

McDonnell Douglas will provide analytical support to the Space Shuttle Program in areas of technical and engineering systems analysis; avionic systems

engineering support; mission planning; and software integration systems engineering support; and crew procedures and flight planning.

Delta 100 Failure Review Completed

A special committee, appointed to review the Delta launch vehicle failure in the second stage, which occurred during launch of the UK Skynet-11A on January 18, has completed its investigation. The committee has concluded that the failure was caused by a short circuit in the second stage electronics package.

The Delta 100 failure Review Committee has determined that the most probable cause of the short circuit was a piece of conductive contaminant shaken loose during powered launch. It was also found that the insulation coating (applied in a single-coat polyurethane brush process) was ineffective at all sharp points or edges on printed circuit boards. Tests determined that loose particles could weld across the thus exposed ends of the leads of the components suspected of shorting.

ATTENTION WINE LOVERS

We are organizing a local Chapter of Les Amis Du Vin (Friends of Wines) which is a national organization. The NASA area chapter plans to have wine tasting, lectures, dinners, tours, etc. The first organizational meeting is planned at J.J.'s, 1419 NASA Rd. 1 (next to McDonalds), on April 30, 1974. For further information Contact: A. Jowid, 488-6009 or M. Silveira, 333-3767.

Energy Contract Awarded To AiResearch Co.

AiResearch Manufacturing company of Arizona has been awarded a contract by NASA's Lewis Research Center, Cleveland, Ohio to design and build a mini-Brayton rotating unit for converting radioisotope energy to electricity. (The AiResearch Manufacturing Company of Phoenix, Arizona is a division of the Garrett Corporation).

Bonds are for saving up for a down payment on a house.

All in the family.



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GROUND BREAKING CEREMONIES-A ground breaking ceremony was held Monday, April 15, at the site of the soon-to-be-constructed JSC Credit Union building at the corner of Gemini Boulevard and Saturn Lane. Pictured above are Credit Union Board of Directors, the building architect and contractor, and JSC director, Dr. Christopher Kraft (fifth from left) who were on hand for the ceremony. From left to right: Walter Duson, Ron Gerlach, Bill Milam, Ed Campagna, Dr. Kraft, Jerry Haptonstail, Harold Ferrese, Paul Startevant, Sherman Kendall, Gordon Kovich, Ed Stelley, Tom Drenek, James Moody.

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Facts About Burns

Tissue burns are caused by thermal, electrical, radio-active and chemical agents and are usually classified into three types: First degree burns limited to the epidermis or outer layer of the skin; second degree burns which damage the dermis or second layer of the skin and cause blisters to form; and third degree burns where there is destruction of both epidermis and dermis.

First aid treatment for an adult with first and second degree burns consists of placing cool or ice water on the burned area to decrease the amount of pain and then applying a dry sterile dressing if desired. Never puncture a blister to remove the fluid. The skin on the blister acts as a sterile covering for the the burn and will allow the damaged tissue to heal with less chance of infection.

Burns in children should not be minimized. Many household articles are hazardous to children. Hot beverages, food and grease, stove and fireplaces, steam kettles, unguarded electrical outlets, matches and even sunburn can be fatal to a child. Immediate treatment by a physician is necessary to prevent shock caused by fluid loss and pain. Proper cleansing and bandages help prevent infection in the burned areas.

Passage of an electrical current through living tissue may not only produce burns, but often does far more damage than is apparent on superficial examination. Immediate death from ventricular fibrillation may occur and respiratory failure requiring artificial respiration is common.

Chemical burns may be caused by strong acids or alkalis as are commonly found in household cleansers. This type of burn if not properly treated will continue to expand for several hours. Emergency treatment of flushing the areas with running water for a lengthy period of time is important.

Sunlight includes radiation, with the amount of radiation reaching the earth varying with the season and atmospheric condition. Surprising amounts of sunburn-producing rays may filter through light overcast clouds, causing many people to sustain severe sunburns under these conditions. Individuals vary greatly in their reactivity to sunlight. Blondes and redheads are especially susceptible. Even dark brunette skins should limit the initial summer exposure to direct sunlight. Most cases of severe sunburn could be prevented by observing a few simple precautions. Persons taking photosensitizing drugs should be particularly careful about their exposure. A variety of sun-screening ointments, creams and lotions are available. However, complete dependence on these products for prolonged protection cannot be made since they may be washed away rapidly by perspiration or bathing.

The damaging effects of ultra violet light cumulative, and chronic or repeated exposure to the sun has a distinct aging effect on the skin. Keratosis is a term applied to liver splotches or brown patches on the skin usually on the face, neck, hands and forearms. These are pre-cancerous lesions. In the past this condition was found in elderly people. However, today many blue-eyed blondes and redheads develop it as early as the third and fourth decade of life. This condition may be minimized by avoiding excessive sunlight exposure, use of a hat during outdoor activities, and intelligent use of sunscreen preparation.

Paul E. Wright, M. D.

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The Bay Area Chorus and Clear Lake Chamber Orchestra will present Beethoven's "Mass in C Major" under the direction of Milton Pullen at 8 P.M. on Sunday, May 5 in the Johnson Space Center Auditorium. Guest soloists will be Soprano-Frances Lytton, Alto-Dorothy Rosenberger, Tenor-Ron Jones, and Bass-Grahm Clark. This is the Chorus' ninth spring concert. NASA Personnel and families participate in Bay Area Chorus Beethoven Concert May 5 at 8 P.M. in the J.S.C. Auditorium. The President this year, Perry Ealick, is a NASA Employee. Many NASA Contractor personnel are members of this 100 voice Chorus also. Combined they comprise a sizable portion of this community organization.



SWEARING IN CEREMONY—Dr. Rocco A. Petrone (center) takes the oath of office for his new position as NASA associate administrator. Dr. James C. Fletcher, NASA administrator, administered the oath in his Washington office on April 1, 1974, as Mrs. Petrone looked on. Dr. Petrone, who has served as director of the NASA-Marshall Space Flight Center in Huntsville, Ala., since Jan. 31, 1973, assumed his new duties on a part-time basis March 15, 1974.



Bill Gresco, (right) Clear Lake Hospital Assistant Administrator accepts 3 softball trophies won by the hospital sponsored team during the month of March. Manager, Don Lewis (left) presenting the trophies, reported the teams record for March was 17 victories and only 4 losses with a 1st place in the Clyde Gary Memorial Tournament, 3rd in the City of Pasadena Preseason Tournament and 4th Place in the Charles Chips Tournament. The team is made up primarily of men working at JSC and living here in the Bay Area.