

ROUNDUP

Lyndon B. Johnson
Space Center

NASA

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Gathered around the Command Module mock-up in front are Aldrin, Cunningham and Collins. On steps, front row, left to right, are Shepard, Mitchell, Gordon, Conrad, Evans, Irwin. Second row of steps, l.-r., Schirra, Schweickart, Anders, Lovell, Scott, Worden, Roosa, Stafford, and Pogue. Third row on the steps, l.-r., Cernan, Duke, Cooper and Armstrong.

Astro Candidates Train in Oklahoma

Eleven of the 35 astronaut candidates underwent parasail training at Vance Air Force Base, Enid, Oklahoma, on Monday, August 28.

The training was to familiarize them with the proper procedures for landing by parachute in the event they were to make an emergency ejection from the T-38 aircraft over land.

Training of this type was accomplished by the other astronaut candidates before they entered the NASA program.

The six female astronaut candidates along with five of their male counterparts took part in the 1-day training exercise. Astronaut candidates who took part in the training are: Anna L. Fisher, Steven A. Hawley, Jeffrey A. Hoffman, Shannon W. Lucid, Ronald E. McNair, George D. Nelson, Ellison S. Onizuka,

Judith A. Resnik, Sally K. Ride, Rhea Seddon, and Kathryn D. Sullivan.



ASTRONAUT Candidate Dr. Ronald E. McNair is shown in the ejection seat trainer at Vance AFB, Oklahoma, where he and 10 other candidates took part in a training exercise on August 28. Parasailing and proper procedures for landing on land by parachute were also part of the course.

So Far, So Good with Skylab - Iowan Offers Rescue Solutions

The Skylab continues to perform well in the minimum drag position 209 nautical miles above the earth. Flight controllers are in the process of training persons to staff a 5-shift flight control team. This would, finally, provide for a 40-hour week with the chance of a two-day weekend. The Santiago tracking station is scheduled for Skylab use sometime in the October-November period.

In the meantime, the public has responded to the media cries of "The Skylab Is Falling," with schemes, ideas, or flight plans of their own. We offer the following letter and drawing as exemplary of the type of response NASA has been getting.

"I have not heard recently as to the current status of Skylab, its tumbling and loss of orbital height. I was wondering if these problems still exist and if so I have an idea.

Rather than let 100 tons of ingenuity and millions of your and my tax dollars come crashing back to Earth, why not spend a little more to save a lot!

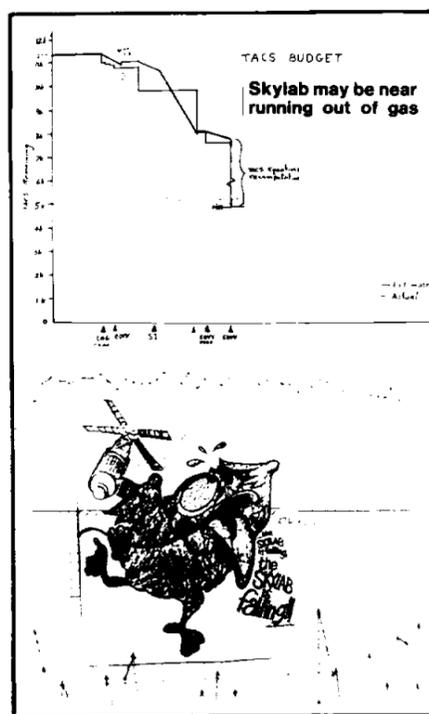
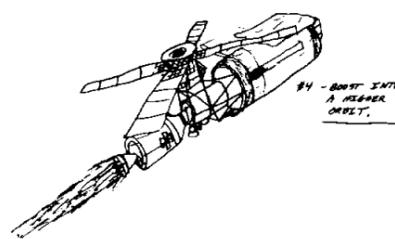
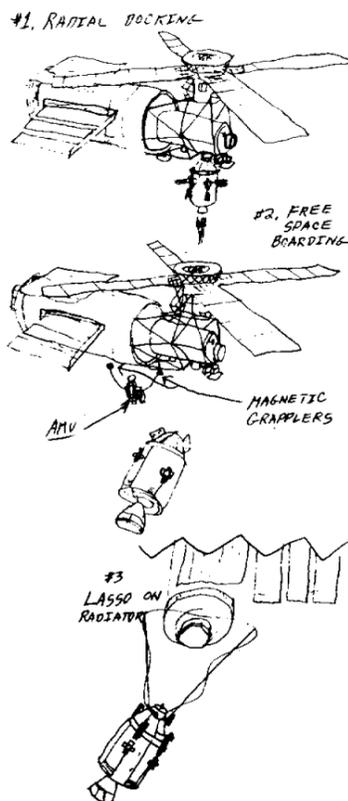
My idea: Send a specially trained volunteer in a modified Gemini or Mercury capsule into orbit to arrest the tumbling of Skylab and then dock with it and boost it into a higher orbit.

Tumbling could be arrested by either 1. a Radial Docking, 2. A Free Space Walk Boarding or 3. A Lasso Device. A docking at the Radial Port (=1) would depend on the direction and velocity of spin of Skylab, but if it could be accomplished, the capsule's thrusters could slow the Lab and then stop it. A Free Space Boarding (=2) with the help of an AMU similar to the one tested on Skylab, might be accomplished by a gutsy astronaut with possible help from magnetic grapples. Once boarded the Lab could be stopped from within. A Lasso Device (=3) rigged by the astronaut on the exterior of the capsule prior to rendezvous with the Skylab might aid in slowing down the tumbling enough so that either =1 or =2 could be accomplished.

Once the tumbling is terminated, a docking at the main port and subsequent trajectory changes and thrusting maneuvers could place the Skylab into a higher, safer orbital path.

Just thought I would submit my ideas no matter how far fetched they may seem. I'd like to see Skylab saved."

/signed/Michael A. Tovrea
Gilman, Iowa



Flight Controllers are not without humor — of their own kind. These comments were found in the Skylab control room.

Contract Awarded for MSFC Solar Array

The first concrete step toward producing large amounts of power in space will be taken on an early Space Shuttle flight late in 1980 with an experiment flight test of a solar array wing.

NASA's Marshall Space Flight Center, Huntsville, Ala., has awarded a \$2.7 million contract to Lockheed Missile and Space Co., Sunnyvale, Calif., for development and delivery of a flight experiment

solar array wing by May 1980, for a Shuttle orbital flight test in November 1980.

The experiment will verify the structural and dynamic characteristics of the solar array wing, its electrical performance and the readiness of solar array technology for planetary and Earth orbit Shuttle payload applications.

The solar array wing, measuring 32 meters (105 feet) long and 4 m (13 1/2

ft.) wide, will be folded and stored in the Shuttle's cargo bay during launch. Attached to the cargo bay, it will be extended to its full length and retracted several times during the test.

When fully extended and fully populated with solar cells, the array's 82 panels convert energy from the Sun to produce 12.5 kilowatts of power. For the experiment flight test, only three of the panels will be active.

Antarctic Find Yields New Meteorite Type

A scientist has determined that one of several meteorites found in Antarctica last winter is a unique specimen, the first of an entirely new class of meteorites.

Dr. Brian Mason, a curator in the Smithsonian Institution's Department of Mineral Sciences, said the new meteorite is a type called achondrite because it does not have tiny bead-like globules called chondrules. Most stony meteorites are chondrites; achondrites comprise only about seven percent of all known meteorites.

Meteorites are important to scientists because they can give clues about the physical and chemical evolution of the solar system. Achondrites are closer to terrestrial rocks, particularly to igneous rocks, than all other meteorites.

The specimen Dr. Mason examined is composed of 55 percent olivine, 35 percent pyroxene, and eight percent maskelynite. Olivine and pyroxene are iron-magnesium silicates found extensively in meteorites and terrestrial rocks. Maskelynite is a feldspar that has been converted into a glassy or non-crystalline condition by a shock wave.

Dr. Mason had been sent a 1.1 gram chip from a meteorite specimen from JSC on June 23. After embedding the chip in plastic, it was sliced into three transparent polished sections which were examined by microscope.

One of the slices will be kept at the Smithsonian and one each has been sent to the Johnson Space Center and to Dr. T. Nagata and Dr. K. Yanai at the JNIPR.

Dr. Mason's identification of the achondrite was the second extremely rare meteorite fragment to be classified in three months. On June 8, meteorite experts at Johnson Space Center and the Smithsonian Institution in Washington, D.C., identified a carbonaceous chondrite, so called because of its high carbon content.

The discovery that two of the meteorite specimens found in Antarctica are extremely rare has raised the expectation that other new types of meteorites may be found during next season's expedition to that continent.

EAA Attractions

General Cinema Theater Tickets

The EAA has obtained discount tickets for General Cinema Theaters (Baybrook, Galvez, Meyerland, Northline, Greenspoint, Gulfgate, Galleria, and Westwood) for \$2.40. The regular prices currently run \$3.00 to \$3.75. There are no special shows or nights, the tickets are good any time. Available at the Bldg. 11 Exchange Store.

Ice Capades

The EAA has purchased 250 tickets for the Sunday, September 10 performance of the Ice Capades at the Summit. Show time is 6:00 p.m. The tickets are \$6.00 each (regular \$7.00) and are on sale at the Bldg. 11 Exchange Store.

Prison Rodeo Discounts Offered

The Texas Department of Corrections is offering NASA Employees a 25% discount on the \$5 ticket (your price \$3.75) for the Texas Prison Rodeo, Sunday, October 15, 1978. The Rodeo starts at 2:00 p.m. with pre-show entertainment starting at 12:20 p.m. Tom T. Hall is the guest entertainer for that date.

In order to block out a section of tickets for NASA, we need to know in advance of your interest in attending the "wildest, roughest rodeo behind bars."

Please return the attached form to reserve your ticket by September 8. Upon receipt of this form, tickets will be ordered and then made available in building 4, room 242, Sandra Burdsal. Watch for further information in the *ROUNDUP!*

Mail to Code CG3/Burdsal

_____ will be attending the Texas Prison Rodeo, October 15, 1978. There will be _____ in my party.

Signature/Code/Extension

Deadline Set for Alley Theater Subscriptions

The Alley Theater Corporate Subscription program is again being offered to NASA and contractor employees. Season tickets are available for next year's five performances at a low price of \$24.50, which may be charged on a variety of credit cards.

See your EAA representative for an Alley Theater brochure which will explain the program. The brochure contains an order form for subscriptions.

If you are planning to subscribe, fill out the form, enclose a check payable to Alley Theater or indicate a charge plan on the form and send to Doris Wood, EM (X-2831) by September 8.

Corporate subscription coupon books will be home-mailed just prior to the opening of the 78-79 season in October.

Fall Country-Western Dance

EAA has scheduled a country-western dance at the Gilruth Center for October 20. Before everyone starts screaming "Friday night?!", and "high school football!"—an explanation.

The option was between a super C&W band on Friday or a band of unknown quality on Saturday. The choice was for the Bobby Heiman and High Country band—one of the best in the area.

Watch for details in future *Roundups*.

Texas Hunter Safety Course

EAA is planning a Texas Hunters Safety Course at the Gilruth Center for some time in October. The course is offered jointly by the Texas Parks and Wildlife Department and the National Rifle Association as part of a program to develop hunter safety.

Similar courses are required in some states before hunting licenses can be bought. Watch for further notices here.

Soul Getdown

Brothers and sisters, are you ready to shake your booty down? Well, get ready 'cause the Second Annual JSC Soul Getdown is gonna happen on September 23 at the Gilruth Recreation Center. The dance was originally set for September 16 but, because of the TSU/GSU game, has been slipped a week, so come celebrate/mourn your team's victory/loss with us on the 23rd.

Top soul music will be provided by the Down-to-Earth Denomination and the price is \$8 per person (includes dinner and drinks). So bring your spankin' partner and let's party hardy!

Available at the Bldg. 11 Exchange Store

- Disney Magic Kingdom cards - Free
- Astroworld-Six Flags Funseekers cards - Free
- Astroworld tickets - \$7.00 (reg. \$8.50)
- Six Flags tickets - \$6.75 (reg. \$8.50)
- Dean Goss Dinner Theater - \$8.00 single - \$16.00 double good any night except Saturday
- Soul Getdown - \$8.00 per person
- Ice Capades - \$7.00 per person

Roster of Events

Sports:

Houston Astros
Houston Rockets
Houston Hurricane
U of H Football
U of H Basketball
Rice Univ. Football
Rice Univ. Basketball
Womens Professional Tennis Tour
Texas Southern Football
Delta Downs Race Track
Houston Open Golf Tournament
Meyer Speedway

Special Events

Ringling Bros. Barnum & Bailey Circus
Shrine Circus
Ice Capades
Harlem Globetrotters
Theater
Alley Theater
Theater Under the Stars
Celebrity Circus Theater
Cabaret Theater
Houston Ballet
Houston Grand Opera
Houston Symphony

Cinema

Tercar Theater
Loews State Theater
American Multi-cinema Theater
General Cinema

For applications and further information see the bulletin board displays in your work areas, Cafeterias and in Recreation center.

Six Flags Trip

The Houston-Galveston Area Industrial Recreation Council is sponsoring another group discount trip to Six Flags Over Texas. A family of 4 can go for \$75.00. This includes: One day at the park, BBQ dinner, one night's lodging and a discount coupon booklet to other Dallas - Ft. Worth area attractions. This trip is scheduled for Saturday, September 23, 1978. See your area bulletin board for further information. Reservations must be made by Friday, September 8, 1978. A 10% deposit is required. Sign-up at the Bldg 11 Exchange Store (10 a.m.-2 p.m.). Call X3594 for further information.

The Roundup is an official publication of the National Aeronautics and Space Administration Lyndon B. Johnson Space Center, Houston, Texas, and is published every other Friday by the Public Affairs Office for JSC employees.

Links Scores Low At Columbia

With comments like "Look how the greens hold", and "I never had a bad lie," both groups of the JSCGA played Columbia Lakes during August. For Group I, the greens were slow, but true. For Group II, they were fast and true. Everyone agreed it was one of the nicest courses the JSCGA has played, and the scores reflected its fine condition.

One of the more interesting swing attempts from Group I was the member who, after putting three shots in a lake, tried to hit the third from the waters edge while standing with one foot at waters level with the other up on the bank. The ball shot up vertically and our member

swung at it in mid-air. He claims he was just regaining his balance, but it looked a lot like frustration.

Among those in Group I who avoided the many lakes and large trees were our winners: Steve Gorman, net 66; Lonnie Cundieff, 66; Wakie Dunham, 67; and Al McIntyre, 68.

Group II played a week later. The member whose ball stopped in the middle of a foot bridge, and whose drop then rolled to the base of a tree, can attest to frustration in golf. The winners, who shook off the dampness from a rain-delay were: Al Ligrani, net 71; and Bill Miller, Bill Zuber, and Don Jacobs, all net 72's.



Group I Winners (L to R) Steve Gorman, Lonnie Cundieff, Al McIntyre, Wakie Dunham



Group II Winners (L to R) Bill Miller, Bill Zuber, Don Jacobs. Not pictured, Al Ligrani

What's cookin' in the JSC cafeteria

WEEK OF SEPT 4 - 8

MONDAY: Holiday

TUESDAY: Beef & Barley; Shrimp Creole; Beef Stew; Fried Chicken (Special); Mixed Vegetables; Stewed Tomatoes; Buttered Rice.

WEDNESDAY: Mushroom Soup; Fried Perch; New England Dinner; BBQ Plate; 8 oz T-Bone Steak; Shrimp Salad; Swiss Steak (Special); Italian Green Beans; Beets; Lima Beans.

THURSDAY: Cream of Chicken Soup; Turkey & Dressing; Enchiladas w/chili; Weiners & Macaroni; Stuffed Bell Pepper (Special); Zucchini Squash; Green Beans.

FRIDAY: Seafood Gumbo; Broiled Flounder; 1/2 Chicken w/peach half. Fried Shrimp; Shrimp Salad; Salisbury Steak (Special); Mixed Vegetables; Cabbage; Breaded Okra.

WEEK OF SEPT 11 - 15

MONDAY: Chicken & Rice Soup; Texas Hots w/beans; BBQ Ham Steak; Veal Parmesan; Beef & Macaroni (Special); Spinach; Carrots; Au Gratin Potato. Standard Daily Items: Roast Beef; Baked Ham; Fried Chicken; Fried Fish; Chopped Sirloin; Selection of Salads, Sandwiches and Pies.

TUESDAY: Tomato Soup; Baked Chicken; BBQ Spare Ribs; Mexican Dinner (Special) Broccoli; Spanish Rice; Ranch Beans.

WEDNESDAY: Clam Chowder; Liver w/onions; BBQ Ham Steak; Shrimp Salad; Baked Meatloaf (Special); BBQ Plate; Brussel Sprouts; Green Beans; Whipped Potatoes.

THURSDAY: Beef & Barley Soup; Chicken & Dumplings; Corned Beef w/cabbage; Smothered Steak (Special); Cauliflower; Cabbage; Parsley Potato.

FRIDAY: Seafood Gumbo; Pork Chops; Creole Baked Cod; Ham Steak; Seafood Platter; Salmon & Tuna Croquette (Special); Green Beans; Beets.

Legislative Head Named

Terence T. Finn has been named NASA's Director of Legislative Affairs effective Sept. 11, 1978.

Finn has served as senior analyst for energy, science and space on the staff of the U.S. Senate Budget Committee since December 1974. In that capacity he was responsible for the budgets of NASA, National Science Foundation and the Department of Energy. Prior to this assignment, Finn was staff consultant to the U.S. House of Representatives' Select Committee on Committees (Bolling Committee) from 1973 to 1974. His responsibilities there were to assist the Select Committee in reorganizing the Committee structure of the House.

Previously Finn served as legislative assistant to Senator Joseph D. Tydings of Maryland.

Finn earned his doctor's degree in American government from Georgetown University in 1973. He received his M.A. degree from the University of Sussex, England, in 1965 and his B.A. degree from Williams College, Williamstown, Mass., in 1964. He currently teaches a graduate course at The Catholic University of America titled "Congress and Budget." He also has taught at the American University, the Department of Agriculture's Graduate School, and has lectured on the legislative process for the U.S. Civil Service Commission.

Astronomy Trip Set for Eclipse

The JSC Astronomical Society is preparing a trip to observe and photograph the last total eclipse of the sun visible from North America in this century. The solar blackout is scheduled to last 2-1/2 minutes and will be seen only along a 180 mile path running through Washington, Oregon, Idaho, Montana, North Dakota and Canada. Weather prospects are best in Manitoba Province where expedition organizer Paul Maley has selected a site near Winnipeg.

The 3-day/2-nite eclipse venture costs \$388, and departs Saturday, February 24, 1979. It is 50% booked and will be limited to 25 persons. For further information, please contact Paul Maley at X6333 or 488-6871.

The Society sent a 22 man group to South America last year on a similar event and is targeting expeditions for Africa (1980) and Siberia (1981). A tour of major observatories in California and Hawaii is planned for next summer.

Coming Activities at Gilruth Center

New Dance Class Set for Sept. 13th

If you've been sitting at home and feeling "itchy" with nowhere to go, why not combine fun and exercise by learning ballroom dancing. Making all this possible is the JSC Dance Club which will once again offer a Phase I (Introductory) class consisting of 10 lessons.

Included in the Phase I lessons are the fox trot, rumba, cha cha, tango, and for the adventurous of spirit and spry of foot, the disco and hustle. Two class sessions are scheduled for each dance.

Instructors are Bob and Rae Calvert who have taught hundreds of dancers and maintain a reputation of combining serious dancing instruction with "down to earth" fun.

The cost of the ten lessons is \$40.00 per couple. The Phase I class will meet at the Gilruth Rec Center, Wednesday evenings, 6:45 p.m., starting September 13th. Each lesson is 90 minutes long. For those who have already taken the Phase I class, intermediate, high intermediate, and advanced classes will also be offered beginning at 6:45 and 8:15 p.m. starting September 13th.

For more information, partner pairing, and pre-registration, contact Lytle Jiongo, code LM, extension 3258. Dues for JSC Dance Club members are \$1.00 per person per year.

Disco

The JSC Dance Club is expanding its activities and will offer a six-week Disco Dance session, starting September 18th, from 7:15 - 8:15 p.m. in room 204, JSC recreation center. Instructor for the session is Candi Walker, who will teach such steps as the Manhattan hustle, victorian, bus stop, football, and night fever among others. Class size will be limited to 20 people; partners are not necessary.

Initially, the JSC Dance Club will offer one session; however, if enough interest is indicated, a late session from 8:30 - 9:30 p.m. can also be started. Dues for those who are not already members of the Club are \$1.00 per person per year. Cost of the Disco Dance session is \$21.00 per person. Dance Club sessions are open to JSC personnel, contractor personnel, and their guests.

For registration and further information on Disco Dance lessons, contact Lytle Jiongo, code LM, extension 3258.

Free Football Tickets

New subscribers to the Total Events ticket reservation program will receive a bonus of 2 free football tickets just for enrolling. New members may choose from 3 exciting college football games.

University of Houston vs. Utah, Sept. 23, 7:30 p.m. Astrodome; Rice University vs. Texas Tech., Oct. 21, 7:30 p.m. Rice Stadium; TSU vs. Tennessee State, Sept. 23, 1:30 p.m. Astrodome.

The regular Total Events programs offer a 25% discount (14 day deadline) on mail orders and a 10% discount (10 day deadline) on telephone orders. Payment options include Master Charge and Visa cards.

Sports: JSC teams may be eligible to participate in two softball tournaments scheduled for the recreation center. Contact X3594 for registration information. HGAIRC Mens Slow Pitch. This tournament is being sponsored by the Houston-Galveston Area Industrial Recreation Council. Teams must be employees or spouses of an HGAIRC member company. NASA Exchange has a membership covering the civil service employees. Any NASA-JSC all civil service team (including spouses) are eligible to participate representing JSC. Some contractor teams are also eligible to participate. The following companies are also HGAIRC members: Lockheed, McDonnell-Douglas, General Electric, Singer, Rockwell and Hamilton Standard.

Date: September 9, 10 (Saturday and Sunday). Sign-up deadline: September 7th. Double Elimination. \$45.00 per team. Rain-out dates: September 23, 24 (Saturday and Sunday).

EAA Mixed Slow Pitch. Our own Employees Activity Association is inviting mixed teams from around the Houston area to compete against interested JSC teams. All JSC teams are eligible to participate.

Date: September 23 and 24 (Saturday and Sunday). Sign-up deadline: Sept. 21. Double Elimination, \$45.00 per team. Rain-out dates: Sept. 30 and Oct. 1 (Saturday and Sunday).

Classes: Sign-up in person at the Gilruth Recreation Center. Payment is due upon registration and is non-refundable. Call X3594 for further information.

Auto Mechanics—Intermediate, deadline October 4. Classes October 11, 18, 25, November 1. Labs October 21-28, \$45.00.

Oil Painting—(6) 2 hour sessions, Thursdays 6-8 p.m., Room 215. Maximum of 15 students, \$37.50 per person and materials. 1st session, sign-up deadline September 12. Classes September 14, 21, October 5, 12, 19, 26. 2nd sessions, sign-up deadline, October 31. Classes, November 2, 9, 16, 30, December 7, 14.

Darkroom—Black and White - Tuesday, September 12, 19, 26 October 3, 10, 17, 24, 30 - eight 2-hour sessions, 7-9 p.m., Room 213, 214, maximum of 8 students, \$30 per person, includes materials except negatives. Deadline September 7th. Color - Eight 2-hour sessions, Wednesday September 13, 20, 27, October 4, 11, 18, 25, November 1, 7-9 p.m., Room 213, 214, maximum of 8 students, \$30 per person, and supply own paper and negatives.

Roundup Swap Shop

Swap Shop advertising is open to JSC federal and on-site contractor employees. Goods or services must be offered as advertised, without regard to race, religion, sex or national origin. Non-commercial personal ads should be about 20 words and include home phone number. Typed or printed ad copy must be received by AP3/Roundup by Wednesday of the week prior to publication.

CARS & TRUCKS

73 VW Beetle, 49K miles, \$1800, Lachney X4171 or 482-2977.

76 Ford 250 Pickup, 3/4 Ton, 4 Wheel Drive, 55,000 miles, Excellent Condition, 554-7286.

75 Datsun 710, 4 dr. Sedan, Air, AM Radio, 4 Speed, Exc. Cond. \$2000.00 W. Dunaway 332-1170.

72 AMX Power Steering, Power Brakes, Air Cond., Automatic, 304 V-8, Orange with tan interior. Good mechanicals, good rubber. Jim Coffey 538-1081 after 7 pm.

74 Buick Century 2 Dr., 17,000 miles \$2700. 659-5308 or 659-5397.

78 Chevy Diesel Pickup, Air, P/B, P/S, Tinted glass, auxiliary tank, 6800 miles, Vandiver 686-8572.

76 Ford Custom Van, new tires, excellent condition, \$5,000. Call 477-9546 after 5 or weekends.

78 Mobile Traveler, 18 1/2' Mini motor home, dash & roof air, sleeps 6, self contained, excellent cond. Must sell 337-1160 Carl Watkins.

74 Ford Mustang II, A/C Power, Automatic, new tires and shocks, etc. \$1600 Norma 481-6461.

74 Pinto, wife's, very good condition, 55,000 miles, air (2 yr. warranty), auto, radials, new brakes, HO Shocks, timing belt, forever battery, 481-4008.

78 Subaru Brat Pick-up, under warranty, excellent condition, \$4,600. Day 236-6118, Night 334-3170 Julia.

69 Ford pickup, less than 30,000 actual miles, w/camper cover, 360 V-8, 3-spd. Std. transmission, Radio 334-2895.

74 Volkswagon Dasher, A.C. 4 Speed \$2550, 331-4986 William Chanis Camper Shell for El Camino type truck \$75. Rogers 332-6092.

73 Buick Regal, 2 dr. vinyl HT, auto, V-8, PS, PB, air, AM radio, blue color, excellent condition 774-4321.

78 Dodge Mobile Traveler, 18'5" lg, self-contained septic tank, shower, 4-burner propane stove w/oven, refrig, runs on aux. 12-v battery, 110 v hookup, or propane, AM-FM/8 track, sleeps 6 \$1500 and take up payments. Jim 474-4669

66 Oldsmobile Delta 88, 4 dr., AC, PS, PB, SBR, dented front fenders, otherwise in good condition, no rust 334-2895

BOATS & PLANES

10 Ft. Ouachita Jon boat, 6.5 HP Evinrude on Big Wheel, Gal., tilt trailer w/winch 334-2895 Brasseaux.

14 Ft. Aluminum boat, great cond., Lone Star with trailer. Pero 471-3033.

CYCLES

75 Honda CV360, 7,600 mi., new gas tank, good condition, \$600. Jim 474-4669.

76 Italjet Indian 75 cc like new, never raced. \$350. Ross 488-1665 after 5.

Yamaha YZ80 (76) good cond. \$290 Presnell 482-7786.

Honda CB450, Wixom fairing, excellent condition, \$600. 334-2294

PETS

Cockatiel, small Australian Parrot 1 1/2 yrs. Old. Beginning to say a few words. 554-6493.

PROPERTY & RENTALS

Lease: Forest Bend Townhome, 2-1-2, Washer, dryer, fenced deck area, pool privileges. Really nice. \$325/mo. plus elec., deposit John 332-4882 after 5.

Wooded waterfront lot at Point lookout on Lake Livingston, 75 X 137, Utilities, restrictions, boat launch, fishing pier, \$4000. 946-7587.

Brookforest, 3 Br., 2 B, old English 2240 sq. ft., detached garage w/covered walkway, fireplace & built in bookcases, all formals, an excellent buy. Early move-in custom built house in excellent cond. 4 1/2 yrs. old. Sam 488-0125.

Rent: Lakeside vacation retreat at Cape Royale on Lake Livingston. New 3-bdrm. waterfront home compl furn. Facil inc. tennis, pool, golf, boat launch. Rent by wk or mo. 488-3746.

For Sale: Fayetteville 54 plus acres all or part on county road off Hwy. 159. Suitable for ranchette development near new Lake Fayetteville Marina 334-3202 after 5 pm.

Lease: 3-2-2 Wood Meadow (near Sagemont) refrig, drapes, fireplace \$398/mo. First, last plus deposit 334-3202 after 5 pm.

Vacation Lk. Livingston, Cape Royale. a beautiful resort community with all amenities. Enjoy charming custom 3-2-1 compl. furn. home nestled among trees by the water. Rent wk/mo/yr 488-4487.

Rent: Cape Canaveral, Fla. direct oceanfront condo. 2/2 Completely furnished, refrig, w/ice maker, dishwasher, private patio and pool. Birdseye view of launches. \$200 wk or \$600 mo. Linda Leggett (305) 267-8658.

Lease: Beautiful townhouse, 3-2 1/2-2, large living room, separate dining room new drapes & carpeting, major appliances, patio, pool & clubhouse privileges. 333-3193.

For Sale: Baywind Condo. 2-1 1/2 next to pool & clubhouse. Low equity. X2564 or 488-1403 after 5 pm.

Galveston West End 2-BR By-the-Sea condo., full furn. \$180 Wk off season, \$260 wk in season. Clements. 474-2622.

HOUSEHOLD ARTICLES

Sears color TV 23" console, good cond. \$150. 488-4005 after 6. Samfield.

Maple Bunk Beds with Mattresses, walnut color trundle bed with dresser, baby swing-matic 333-3019 W. Koons.

Two twin sets of box springs and mattress (Sleepzee) Used, good condition. \$20 a set 488-0079.

Sofabed, double size, Herculon, Kroehler brand, excellent condition, very clean, only \$68. 488-2735 J. McCartney.

Sofa, black Spanish-style. \$30. Julie 5111. Lady Kenmore washer 3 year old \$40. dinette, excellent condition \$60, antique brass lamps \$175 a pair. 488-5564.

Deluxe exercise bike, like new \$50. 334-2261 C. C. Critzos.

Sears 21" color console T.V. \$150 cash, 45" round maple dinette table & leaf w/4 captains chairs \$175 cash. 333-4840 after 6 pm.

CAMERAS & STEREOS

Rolleicord camera & case, seven rollei filters, rollei lens shade, exposure meter, flash attachment. \$95. 946-8825 after 5:30 pm.

Minolta 201, Camera, 35 mm, case & access. like new. gave \$500, sell for \$300. 487-5595.

MUSICAL INSTRUMENTS

Wurlitzer spinet piano, \$450. 333-4669. Normandy 10 Clarinet, excellent cond. \$195. Brzezinski 944-3560.

French Horn, double Holton-Farkas model 180, golden lacquer 3 yrs. old, excellent cond \$600 334-1448 or 334-2464 evenings.

WANTED

Rooftop Coleman or Airstream RV air conditioner. White 332-5177.

Used gas edger in working cond. Doherty X3821.

Car pool, Zip Code 77023, 7:30 to 4:00 shift. Alcorta 921-8999 or X2261.

MISCELLANEOUS

Brand new pulsor spray shower massager \$12, Brand new warm & creamy (Lady Schick Facial Cleanser) \$12, Lady Schick electric leg shaver w/carrying case \$15, new red spotlight w/stand \$5, brand new C.B. converter \$12., 1 set electric fireplace logs \$14, black fireplace set \$37. Sam 488-0125.

Portable window air cond. 5,000 BTU's 115 Volts, exc. cond. \$75 W. Dunaway 332-1170.

8-ft. surfboard, fiberglass, exc. cond. \$20 W. Dunaway 332-1170.

2 plywood skateboard ramps, solid construction, tight curve. 5' X 10' surface 6' 9" high

\$45; 4' X 8' surface (fiberglassed) 4' 6" high \$45. See at 615 E. Castle Harbour, Sunmeadow, Friendswood 482-7879.

Bumper pool table, \$30, ping pong table, \$25, girls Swinger bicycle \$30. Nelson 488-2876.

Women's tennis racket for small hands. Wooden S7 Hansen X4801.

1276 assorted U.S. plate blocks (mostly 3 cent to 6 cent comm's) and 56 M.E. blocks. Many matched plates. \$1,356 Harris value, only \$611 for quick sale. Also 820 13 cent postage stamps. \$100. 482-5393 after 5 pm Sugano.

7 X 8 feet Don Budge tennis rebound net. good cond. \$10 X5435.

Mercury 9.8 outboard motor, 1968, runs, call for more details, Parker X4241 or 481-4372 after 5:30.

Coleman 10 X 11 umbrella tent, excellent condition, \$40 or best offer 941-4733 Sulester.

Two new Sears-Michelin steel belt radials, WSW, 215 X 15, \$90 for both Sulester 941-4733.

Digital group computer. Z-80, 26K core, two PHI decks, 86-column line printer, KYBD, CRT. D. Scruggs 488-1389.

Fresh, locally-produced honey. Pints, quarts, and gallons. Ward, 943-1516 evenings.

74, 115 Evinrude Outboard motor, power tilt, new power pack and water pump \$1350 471-2447 J. Clowdis.

Portable clothes dryer \$20, dog airline crate \$10, bowling ball and bag \$10, horse blankets and bridle, color TV antenna \$20. Cindy, 7236.

2 Scuba tanks with back packs and boots, \$80 each 488-1514; ladies wet suit, size large 12-14 \$45; scuba tank pressure gauge, non-submersible \$30; scuba equipment regulators, etc.; Astronomical telescope 75 power X50mm, wooden tripod \$30; diving lead weights \$1.00 a lb.; child's 4 speed record player \$8; aluminum boat ladder, 3 step \$5. 488-1514.

LATE ENTRIES

Like new Sencore Color King IV Color Bar Generator Md CG169 \$125, 20 Gauge D.B. Shotgun, Westernfield MD SB-300D, Never fired. Call 2811 or 524-5575 C. Townsend.

64 Corvette Hardtop, good condition. Make offer. Call after 5. Jeff 474-3554.

3 yr. old female dog needs good home. Make good pet. Call after 5. Mark 474-3554.

Honda CL-70 new rear tire and battery, carrier, good condition \$150, bumper racks \$15, small helmet, new \$12 554-6019 Thomas.

Moved, Whirlpool refrig, freezer, \$100, IBM Exec. typewriter \$125. Call after 5. 486-8119.

Go-Kart, 3 hp, single seater with Mustang II fiberglass body, excellent condition 488-2613.

73 Honda 450, wixom fairing, exceptionally clean, \$600, 334-2294.

August's Secretary Doesn't Just Type

Kathleen T. Hosea is August's Secretary of The Month. She is branch secretary in the Flight Operations Branch of the Aircraft Operations Division. This branch is composed of 10 pilots, 8 mission managers, 1 section secretary, and several support contractor personnel.

Ms. Hosea's position as secretary to JSC's research pilots requires a unique personality to effectively deal with the wide variety of tasks associated with supporting the center's astronaut flight readiness training program and the earth resources and administrative aircraft flight schedules. Her willingness to handle any task assigned and her attention to detail and determination to complete the task quickly and efficiently make her an outstanding asset to the Aircraft Operations Division.

Her boss, A. J. Roy, says Ms. Hosea's personal initiative is most impressive. She is continuing her education by attending college after duty hours and participates whenever time permits in various JSC training courses in order to be kept aware of the most up-to-date office procedures. Not one to seek an ordinary challenge, she is a voluntary test subject for the motion sickness studies being conducted on the KC-135 zero-g aircraft. She has accumulated 125 minutes in the

zero-g aircraft (256 parabolas) to date and participated in five sessions of one-g trainer preflight test runs prior to her flights. These physically demanding tests are expected to contribute significantly to the physical adaptation of women to space flight, and undergoing such tests requires a great deal of personal dedication to the success of the program. Ms. Hosea also volunteered for the recent astronaut selection program medical examination activities conducted by the Space and Life Sciences Directorate.



Kathleen Hosea

JSC Woman At Asian Meet

Eleanor Der Bing has just returned from Denver, Colorado, where she represented the Johnson Space Center at the Fourth Biennial Organization of Chinese Americans' National Convention. Although membership to this organization is largely Asian, it is open to all American citizens.

Der Bing worked the NASA booth of space exhibits, as well as attending meetings and workshops. One of the workshops she attended was "Assertiveness for Asian Women." This was particularly interesting because Der Bing is well known for her assertiveness at Johnson Space Center and in the local community.

She is the first woman president in 26 years of the Chinese Professional Club of Houston. Another barrier she broke was being named co-chairperson for the Association of Chinese Organization for all Chinese in the Houston area.

Der Bing believes very strongly that though Asian women should develop some of the customs of the Western world they should always maintain their own identity. She herself was brought up in the Chinese tradition of women being submissive and subservient to the men. Through education and her 18 years with the Federal Government, she feels she has combined the best of both worlds.

She came to work at the Johnson Space Center in 1962 at the urging of her husband, William Der Bing.

Der Bing is a contract specialist with Institutional Procurement Division. She is continuing her education at U of H CLC, studying for a degree in Behavioral Sciences.



Eleanor Der Bing



MILLENNIUM PLUS — Third quarter FY78 JSC Length of Service Awards added up to 1295 person/years for employees receiving 40, 35, 30 and 25 year awards. Pictured above are, Row 1: 40 years, Joe Schmitt; 35 years: Marvin A. Bernhard, Herbert E. Brunemeister and Joseph H. Gallagher. Row 2: Chester J. Meyers, Scott H. Simpkinson, Peter P. Smetek, Sr., and Edward E. Quin. Row 3: Joseph G. Thibodaux, Jr.; 30 years: Glory L. Allahverani, Charley F. Brown and Eugene L. Davis. Row 4: Porter H. Gilbert, Maxwell D. Hinsley, John W. Holland, Jr. and Chester H. Jenkins, Sr. Row 5: William C. Long, Robert K. Peck, Ralph S. Sawyer and Raymond L. Smith. Row 6: Gerald D. Waddell, Charles D. Wheelwright, Francis G. Williamson and Henry P. Yschek. Not pictured and receiving a 30-year award was Wilford P. Hilk. 25-year awardees, not pictured, were: Thomas J. Adams, Leon H. Ballinger, Daniel D. Becker, Robert Cohen, John P. Fallon, Hugh D. Fitzgerald, Bernard H. Giles, Jackie L. Logan, Jack R. Lister, John E. McIver, Everet L. Rogers, John D. Sargent, Carol M. Shropshire, Frederick J. Southard, Jr., John C. Stonesifer, Gloria L. Theologian, Norris L. Taylor, Tommie L. Walton, Billy G. Whatley and Wilbur R. Wollenhaupt.

School's Back; Drive Easy

It's that time of year again—Back-to-School. As Clear Creek District students renew their travels to and from school their minds will be on new teachers and seeing old friends; not on the traffic that intersects their paths.

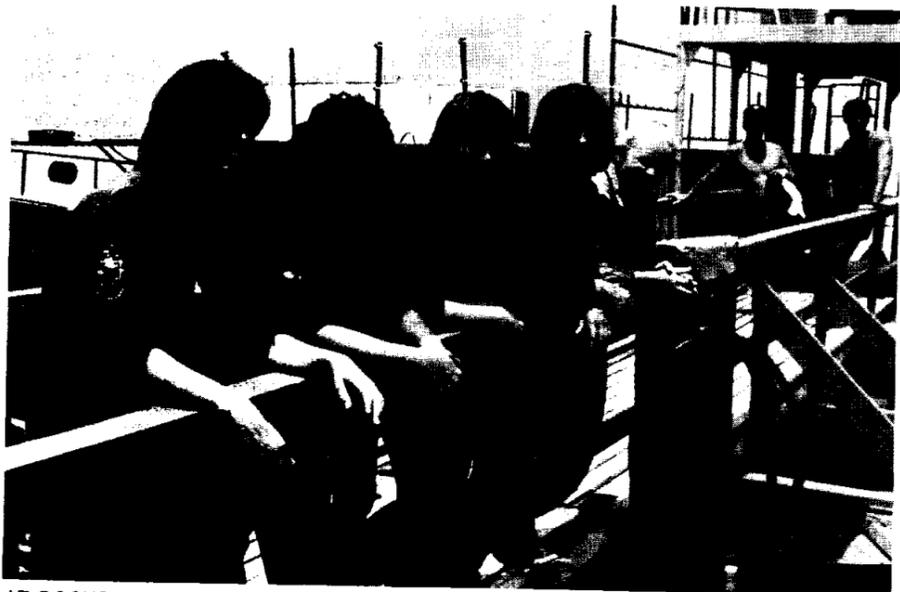
To make this new year a safe one for our children the Clear Creek School District in cooperation with JSC, the Clear Lake Chamber of Commerce, area police, and P-TA groups, has proclaimed September 5 through 8 "Let Safety Rule for Back-to-School." School opens September 5 at all 15 district schools.

Since many JSC and support services employees pass through school zones on their way to and from work the district

asks motorists to watch out for the youngsters, especially around the Webster school zone on Nasa Road 1.

Employees with school-aged children are also asked to discuss traffic safety rules with them prior to the first day of classes. If a child walks to school discuss the safe way to cross a street and show him the safest route to take. If a child rides a bike the parents should check the condition of its tires, lights, reflectors, seat, handle bars, and pedals. Remind the bicyclist to observe the same traffic signs and laws as the motorists.

Remember, the extra time you take driving to work or reviewing safety rules could save a child's life.



AT DOCKSIDE following the training exercises, astronaut candidates Sally Ride, Judy Resnik, Anna Fisher, Kathy Sullivan and Rhea Seddon rest for a minute under the watchful eye of the Navy. The craft in the rear is a converted LCM which is used as a parasail launch pad.