

Skylab 2 Splashdown Set For Today

The astronauts are scheduled to return to Earth today after a 28-day stay in space.

They spent four hours rehearsing reentry Saturday with the flight controllers in Mission Control. This was the first time such a rehearsal had been held in space.

The original rehearsal time allotted was six hours; however, the crew and flight controllers felt that they had ample practice without going through the final steps. These steps include reentry and landing.

According to Neil Hutchinson, the practice session was held to see that a reasonable amount of time was allotted for the crew and ground to get everything done.

Hutchinson stated, "We look for a verification of procedures; that everybody remembers what they are supposed to do and when, especially the crew."

Dr. Robert A. R. Parker, one of the mission scientists for Skylab said that considering the fact that the crew had to use about three days getting more electrical power to the spacecraft and getting it cooled

off, the mission was successful from a science point of view.

Parker observed that the quality of the work that the crew was able to get done will have to await evaluation since most of the results are stored on film and in medical samples the astronauts will bring home.

The Skylab 2 crew was the first to see a great burst of solar radiation called a solar flare. They were able to observe and photograph it as it developed.

Dr. Jim Underwood of the Aerospace Corp said, "This is the first time such an observation has been made and it will tell us a lot, I'm sure about exactly how a flare is triggered and how it grows in the vital first two or three minutes."

Dr. Robert McQueen of the High Altitude Observatory at Boulder, Col said, "Skylab is sort of a crowning achievement now of several decades of intensive study, not only from satellites, but from more sophisticated ground-based observations"

Skylab is scheduled to splashdown 800 miles Southwest of San Diego at approximately 8:50 a.m. today.



PREPARING FOR SPLASHDOWN — The Operational Medicine and the Cardiovascular laboratories are being transferred onto the C-5 airplane. The labs were being taken to San Diego, California to be loaded on the carrier.

ROUNDUP

NASA LYNDON B. JOHNSON SPACE CENTER

HOUSTON, TEXAS



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Skylab Breaks Space Flight Record

Skylab Astronauts established a new manned space flight endurance record Monday morning at 2:22:01 a.m. when they exceeded the Soviet Union's 570 hours 22 minutes stay in space. The Skylab craft was passing over Nigeria, Africa at the time.

Astronauts Charles (Pete) Conrad, Paul J. Weitz and Dr. Joseph P. Kerwin were beginning their 25th day in space when the spacecraft communicator in Mission Control Henry Hartsfield informed them, "At 7:22 (Green-

wich Mean Time) you will become the new world's champs for longest spaceflight."

Kerwin responded, "O.K. Thanks for the dope, Henry, We were all up at the BMMD (big mass measuring device) happily getting weighed."

Just after the record was broken, as Skylab passed over the Honeysuckle tracking station, Skylab Commander Conrad called down to Mission Control and requested that JSC Director of Flight Crew Operations Donald

K. (Deke) Slayton, or Deputy Director, Brig. Gen Thomas Stafford contact the Cosmonaut Corp in the Soviet Union and pass on the SL-2's respects to the cosmonauts and wish them good luck in the future.

The spaceflight record had been held by the Soviet Union's Soyuz 11 since June 1971. This manned mission ended tragically when, because of an improperly secured hatch in the re-entry module, the three cosmonauts died during re-entry.

Employees Receive Cash Awards for Their Suggestions

On June 5, 1973, seven JSC employees received cash awards for their suggestions which assisted in making certain jobs at the Center more efficient and/or more economical.

The top award of \$150 went to Brian G. Morris who suggested that instead of purchasing a new propellant disposal burner for building 353 as planned, an existing burner at Building 358, which was seldom

used, be transferred to Building 353 and that all propellant be disposed of at the new location. His suggestion netted savings of \$12,500 to JSC.

Mona C. Kazmierski received \$75 for proposing a major revision of the Travel Order Information Worksheet. Mrs. Kazmierski found that insufficient information was requested on the form and that a number of inconsistencies existed in the

questions asked the preparer. Her suggestion was approved by the NASA Director of Financial Management.

The remaining awards were \$25 each.

Edith L. Todd observed that after heavy rains, water stayed on many sidewalks at JSC because of insufficient drainage. The Engineering Division took action to solve the problem by installing new drain lines and removing and regarding turf in affected areas.

Jean P. Borgan suggested that action be taken to designate College Work Study Program employees as agents in order to pick up cash advances for travelers. It was decided that these students be given employee numbers.

Beverly F. Tays noted that the right and left margins on the forms used to prepare then MSC Management Instructions and Announcements were misleading. She proposed a revision to the forms which would provide appropriate margins for the



SUGGESTION AWARD WINNERS—JSC employees holding certificates received cash awards for their suggestions which helped to improve the Center. Left to right are Joseph P. DeCore, Edith L. Todd, Mona C. Kazmierski, Lawrence D. Kissinger and Jack A. Kinzler, Chairman, Suggestion Committee. Also receiving awards were Brian G. Morris, Jean P. Borgan and Beverly F. Tays.

Eighteen Retire at JSC

A new life style began June 1 for 18 JSC employees—fishing, traveling or just goofing off around the house—as they retired from federal service. Of the 18 retirees, five were in the JSC Resident Office at Downey, Calif. and one was at the White Sands Test Facility.

Glen B. Keith of Logistics Division and Ernest R. Rogers of Quality Assurance topped the list in length of service with 32 years. Maurice W. Collins of Downey Quality Assurance, Shirley A. Way of Institutional Resources Office followed with 31 years service.

Retiring with 30 years was Richard D. Willadson of Crew Systems Division, and Leroy Proctor, Jr. of Control Systems Development Division retired with 29 years.

Gordon B. Ferall of Technical Services Division and Roland W. Newkirk of Management Analysis Office closed out their government service with 28 years, and Charles O. Colson, a Downey program analyst, completed 27 years.

Retiring with a quarter century of service were Melvin H. Bloomberg, Downey engineering technician, Lewis A. Wilde of Technical Services Division and Max C. Smith of Flight Support Division. Downey Program Control Office chief Herbert R. Ash left behind 24 years with the government.

Two employees, Harold J.

Sweet of WSTF Quality Assurance, Reliability and Safety Office and Harld A. Whitmer of Technical Services Division, each retired after 22 years.

Downey travel clerk Irene N. Harbin and Evelyn L. Wellberg of the Personnel Office finished 21 years.

Fletcher, Low Say 'Well Done' JSC For Skylab

NASA Administrator James C. Fletcher and Deputy Administrator George M. Low have sent a congratulatory letter to JSC Director Christopher C. Kraft, Jr. and to all JSC employees for their efforts in making Skylab 2 a successful mission in spite of setbacks caused by launch damage to the space station.

"The work done by the Skylab team in preparing for the launch of Skylab 2 was absolutely fantastic. This team turned what would have been a very serious failure into an outstanding success. We know that it took tremendous energies, skill and dedication to achieve the nearly impossible—we doubt that there is another team in the country that could have brought it about.

"Please pass out sincere thanks and congratulations to all at the Johnson Space Center and to those in the industry who were involved for a job well done."

(Continued on Page 3)

Skylab Investigation Board Now Appointed

Members have been appointed to the Skylab 1 Investigation Board established on May 22 by NASA Administrator James C. Fletcher after the orbital workshop developed several problems in space.

Dr. Fletcher named Bruce T. Lundin, Director of the NASA Lewis Research Center, Cleveland, as Chairman of the Board. Lundin has appointed as his Vice Chairman, Vincent L. Johnson, Deputy Associate Administrator for Space Science, NASA Headquarters.

Other members selected by Lundin and approved by Fletcher are:

* Thomas N. Canning, Systems Development Branch, NASA Ames Research Center, Mountain View, Calif.

* William R. Dunbar, Deputy Director of Launch Vehicles, Lewis Research Center, Cleveland Ohio.

* E. Barton Geer, Director for Systems Engineering and Operations, NASA Langley Research Center, Hampton, Va.

* Lt. Col. Perry W. Harker, 6595 Space Test Group, Vandenberg Air Force Base, Calif.

* Capt. Robert E. McKean, 6595 Test Group Vandenberg Air Force Base, Calif.

* Merland L. Moseson, Deputy Director of Systems Reliability, NASA Goddard Space Flight Center, Greenbelt, Md.

Legal Counsel for the Board will be S. Neil Hosenball, Deputy General Counsel, NASA Headquarters. Executive Secretary will be Edward A. Richley, Chief, Operations Analysis and Planning, Lewis.

The Board will seek to determine why a micrometeoroid shield was lost about a minute after launch and the causes of the failure of the solar power panels to deploy.

Observers May Spot Skylab Station

The unmanned Skylab space station will make several passes over the Houston area during the next few days, with Sunday night likely to offer the best opportunity for spotting Skylab, along with the second stage of the rocket that boosted it into orbit, several payload shrouds, and one or more smaller pieces of debris. The first evening pass on Sunday will reach a maximum elevation of 87°—virtually right over our heads. Several of the other passes are at very low elevations—close to the horizon—and may be difficult to see in built-up areas around the city.

Friday, June 22	10:18-10:25 p.m.	West to Northwest	31°
Saturday, June 23	4:35- 4:59 a.m.	North to East	23°
Saturday, June 23	9:34- 9:41 p.m.	Southwest to Northeast	53°
Sunday, June 24	4:10- 4:15 a.m.	North to East	15°
Sunday, June 24	5:46- 5:53 a.m.	Northwest to Southeast	42°
Sunday, June 24	8:51- 8:58 p.m.	Southwest to Northeast	87°
Sunday, June 24	10:31-10:33 p.m.	Northwest to North	10°
Monday, June 25	3:27- 3:30 a.m.	North to Northeast	11°
Monday, June 25	5:03- 5:10 a.m.	Northwest to Southeast	78°
Monday, June 25	9:46- 9:51 p.m.	West to North	15°
Tuesday, June 26	4:19- 4:26 a.m.	Northwest to Southeast	58°
Tuesday, June 26	9:02- 9:07 p.m.	West to North	21°



IN WARDROOM—Two of the three Skylab 2 crewmen are seen in the wardroom of the crew quarters of the OWS of the Skylab 1 space station cluster. Astronaut Conrad is reaching across the wardroom table. Astronaut Weitz sips a drink from the cold water dispenser.



VIDEO TAPE—An overhead view of Astronaut Paul J. Weitz at the video tape recorder in the Orbital Workshop of the Skylab one - two space station cluster in Earth orbit. Weitz is changing the tape in the recorder and storing the used data tape.



MEDICAL EXPERIMENT—Astronaut Charles Conrad, Jr. works with the Specimen Mass Measurement MO74 Medical Experiment. The purpose of this experiment is to demonstrate the feasibility of mass measurement in support of the Mineral Balance MO71 Experiment and the Bioassay of Body Fluids MO73 Experiment.

SR&QA Office Undergoes Change

In order to continue to provide Safety, Reliability and Quality Assurance support to JSC programmatic and institutional activities, organization and personnel changes are being made in the SR&QA Office to accomplish a more effective use of existing manpower resources. The major organizational changes are listed below.

—The Safety Division (code NS) is established which encompasses the functions and personnel of the existing System Safety Office and the Operations Safety (code NM). These two offices are redesignated as the System Safety Branch (code NS2) and the Operations Safety Branch (code NS3).

—The Certification Branch (NB4) Reliability Division, is abolished and the functions and personnel are being reassigned to the remaining branches of the Reliability Division.

—Within the Quality Assurance Division changes are: the Program Support Section (ND 62) and the Scientific and Advanced Program Support Section (ND63), of the Procurement Support Branch (ND61) are abolished. The functions and personnel will remain assigned to the branch.

The Thermochemical and Structural Test Control Section (ND-35) of the Spacecraft Test Control Branch (ND 31) is abolished and the functions and personnel are being reassigned within the QA Division.

Jerome B. Hammack is assigned as Acting Chief, Safety Division (NS). He is located in room 641, building 45, extension 3126.



JUNIOR CO-OPS—Shirley Price (head of table) is shown lecturing to the JSC Junior Co-op students. The purpose of the program is to interest qualified minority high school graduates in a career in engineering or administration. This is accomplished by offering summer jobs to youngsters who plan to attend college and major in engineering, science, business administration, or a related field. JSC has 21 Co-ops aboard this summer.

Is String The Only Thing You Can Save?



Then You Had Better Buy U.S. Savings Bonds

ROUNDUP

NASA LYNDON B. JOHNSON SPACE CENTER

HOUSTON TEXAS

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.

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Photographer: A. "Pat" Patnesky

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

Fender Stratocaster guitar, very gd cndn w/ case, \$250, Bates, 944-4687.

Planning trip to Maine in late June, will return w/ cooked frozen Maine lobster, minimum order, 10 lbs, \$3.00 lb, Jim, 488-1372 or Larry 473-3255.

Gd upright practice piano, nds tuning, \$75, McHenry, 534-3004 (Dickinson).

Flute, Olds Ambassador, \$70, Pruefer Clarinet, \$70, 334-3319.

Styrofoam canoe, 12', ideal for young adventurers, \$25, Roadmaster 16" boy's bike, \$12, 334-3319.

Foley's brand freezer, Avocado, side by side, 18 cu ft, \$250, GRI-3284 aft 5:30 pm.

New Bell and Howell Sup-8 camera, pwr/man zoom, auto exposure, cartridge-loaded, takes new low-light film, nvr used, retail, \$105, now \$85, 554-3754.

Canon 518 auto zoom super 8 movie camera w/ 1.6x teleconverter, 650 watt light and case, cost \$250, sell for \$150, Bently, 333-3001.

Free workshop Tuesday through Saturday in Ceramics at 104A E. Edgewood, Friendswood, Kline, 482-6393, Large stock of Greenware and bisqueware.

Ludwig drum, 4 drums, 3 cymbals, high hat, seat, li new, reduced, 488-1326.

Lady's golf clubs bag and cart, Hovendick, FC6.

WANTED

35 mm slide projector w/ or w/o film trays, Becker, 643-4151. Honda 90, 100 or 125 trail, gd cndn, 488-3238.

LOST AND FOUND

Lost small brown metal tool box w/ Musicians accessories and guitar repair tools inside, Vicinity of Ellington Officer's Club, Sat, May 26, 1973, Jim, 944-4687.

BOATS

26 ft 64 Chris Craft, sleeps 4, Galley, head, depth indicator, bow rail, etc, pulled and painted in April, \$3650, 482-1817.

O'Day 15' sail boat, sloop rig, gd cndn, w/ trailer, \$425, 332-2333.

40 hp Electro-matic shift Johnson, long shaft, outboard motor w/ controls, xlnt cndn, \$450, or bst offr, Becker, 4346, 944-5118 or 941-4344.

O'Day Mariner, 20 ft fixed keel sailboat, wrking s/s, 5 hp obm, xlnt cndn \$1695, Schmidt, 534-3075.

VEHICLES

64 Catalina Pontiac sta wan, many gd miles left, \$350, 481-0780.

68 Ply wgn pwr, air, gd cndn, Davis, 985-5203, (Hitchcock).

67 Camaro, 6 cyl, std shift, new ww tires, air, \$850, Henry, 333-3934.

73 R75 BMW xlnt cndn, Mary, 483-6151, 332-4265.

71 Ford F100 Ranger Styleside w/ Delux cover, auto iran, awr brk, air, Western style mirrors, clean, 28,000 mi, \$2800.

73 Honda, CL-450, 1700 mi, nw cndn, incl back rest/crash bars, 2 mos old, \$995, Underwood, 944-3292.

Mercedes 190 SL, 1960 model sports coupe, mechanically xlnt, body solid, Hard, soft tops, best offr over \$1500.

72 Honda CB-K5, red, 450 cc, 1850 miles, crash bars, \$950, Rogers, 944-7042.

70 Holiday Mobile Home, 12x65, 2 br, lr, dr, kit bath washer/dryer, friq, disposal, cmpltly furnished, skirted porch/steps, immaculate, 554-6729.

67 Chevrolet Impala, fully equipped, gd cndn, \$750, Smith, 585-4957.

66 Toyota Pickup, radio, air, 4 speed, gd cndn, \$700, Fred, 332-2316.

62 VW, gd cndn, xlnt 2nd car, \$400, Murrigh, 333-3841.

72 750 Honda K1 in showroom cndn, low mi, \$1250, 499-1868, aft 3 pm.

Rent, 72 Jayco ht fold down camper, kit, ice box, sleeps 8 \$10 day or \$57 week (\$25 minimum), Kilbourn, 482-7879.

69 Corvette, 427, air, 5-sp, 2 tops (hard conv) mag wheels, tilt steering, dual chrome exhaust, green w/hood and trunk design, 488-1326.

67 Chevelle Malibu, 2-dr ht, V-8, auto, air, pwr str xlnt cndn, 1 owner, \$695, 332-4161.

67 Suzuki, 250 cc, runs well, Jeff, 488-1764.

PETS

AKC Shelties, 2 mos old, shots super, cuddly, frisky, beautiful, 474-4553 or 488-4024.

AKC reg Cocker Spaniel pups, 7 wks old, Buff, male and female, Champ sire, \$100, Nelson, 488-1335.

Poodle pups, not reg or full-blooded, adorable, \$15 each Mosley, 473-5811.

PROPERTY And RENTAL&S

Dickinson, 5312 Tanglebriar, 3-4-2, study, w/w carpet, blt-in kitchen, 1700 sq ft cntrl air/heat, 2 years located on Cul-De-Sac. \$25,900, 534-3260.

Rent, half of 3 bdrm house, \$90/mo off Edgebrook near Gulf Frway, P. Heinmiller, 333-3133.

Lake Livingston, beautiful lot, best part of Lake, nearby Marina, golf course, landing strip, lake is constant level, bargain 488-0275.

Newport, League City, 4 bdrm, 2 bath, 1 1/2 story fireplace fenced, 2100 sq ft, assume 6 1/2 percent mortgage, \$32,500, 554-6749.

Townhouse in Clear Lake City for rent, \$250 per mo, Jeff, 488-1764.

HOUSEHOLD ARTICLES

96" brown sofa, \$25, (Dickinson) 534-3243.

Juilette Copper Tone camper/Cabin size refrigerator, new, \$95, 24" X 18", 22", deep, runs on house currency only, Muhly x6361 or 471-3762.

Montgomery Ward electric clothes dryer, \$25, Hoffman, 488-3655.

Cordavan mahogany bedroom suit w/ mattress and box springs, tripple dresser, closed bookcase bd and night stand, li new cndn, \$150, 479-3848 aft 6 pm.

Antique round oak table, 6 chairs, \$190, McHenry, x4581.

Cannister Vacuum (Sears) plus power mate rug attachment works fine, \$20, 334-3319.

Signature typewriter, manual, full-featured, portable, 12" carriage, xlnt cndn, \$55,471-2447, Clowdis.

RCA stereo phonograph, sound, gd cndn, \$30, 471-2848.

Avocado color, Pencrest electric washer and dryer, 10 mos old, originally \$400 plus, \$250 now, blc recliner, Spanish, \$75, 2 racing tires for 124 Fiat Sypper, xlnt cndn, \$40, 14' Amana refrigerator, gd cndn, \$30, Brown, 481-5298.

JIMMY WARREN MEMORIAL Bowling League

Final 72-73 Standings

Team	W	L
Hexes	85	51
Pin Pounders	80	56
Ascenders	79	57
Jokers	78	58
Strikeouts	73 1/2	62 1/2
Spoilers	72	64
Clowns	69 1/2	66 1/2
Ball Busters	69	67
Fabricators	64 1/2	71 1/2
Chokers	64 1/2	71 1/2
Alley Oops	57 1/2	78 1/2
Hertz	55 1/2	80 1/2
Team No. 9	52	84
Mixers	52	84

As the Jimmy Warren Memorial Bowling League finished the season, Dan Kennedy posted a 201 average for 63 games for the Leagues first above-200 average. Ron Durkee was next highest with an average of 192 for 99 games.

Additionally, seven bowlers averaged over 180 and 30 averaged over 170. A total of 91 bowlers who bowled 21 games or more bowled a composite average of 166.

Members of the top team, the Hexes, are Dwayne Forsythe, Arnold Bankey and his son, Mike, Tandy Bruce, Deane Schwartz and Charlie Skillman.

The League will relocate next season.

In Case of Evacuation: Assist the Handicapped

Personnel Officer Jack R. Lister recently announced that it is the responsibility of all JSC employees to assist, as necessary, in the safe evacuation of handicapped or temporarily disabled persons if an emergency arises.

To assure that the Center is able to accomplish safe evacuation of handicapped persons who need help, the following measures are necessary.

—All occupants who will need assistance in emergency evacuation of JSC buildings are requested to report their names and locations to the Coordinator for the Handicapped, code AH2,

extension 2135. Include the name of immediate supervisors and advise them of your need. All persons located on site, regardless of employer, should take this action.

—Supervisors should make adequate plans for the evacuation of handicapped or disabled persons from their buildings. Where possible, a buddy-system should be devised so that responsibility for evacuation is clear.

—The Coordinator for the Handicapped will work with the Safety Office and the Health Division to meet any special evacuation problems which may exist.

Contract Goes to Hamilton Standard

JSC has signed a \$700,000 contract with Hamilton Standard Division of United Aircraft Corporation, Windsor Locks, Conn., for design and fabrication of a laboratory model of a modular integrated utility system. Hamilton Standard was awarded the contract on the basis of competitive selection.

Hamilton Standard will build and install the laboratory model at JSC as part of a project to develop a more efficient and fully integrated utility system. This project is being carried out by NASA for the U. S. Department of Housing and Urban Development. Other Agencies participating in the program include the Atomic Energy Commission, National Bureau of Standards and Environmental Protection Agency. Called the Modular Integrated Utility System (MIUS), the project will bring to bear NASA's space technology toward conserving natural resources, lessening air and water pollution and reducing energy consumption.

The MIUS concept envisions a single combined source of electri-

cal power, water management, solid waste treatment and heating and air conditioning. Each element of the utility system would interact with another in some way. For example, waste heat produced in the electrical power generation process would be used for heating and air conditioning, and organic wastes would be converted into fuel for heating.

Enough flexibility will be designed into the MIUS so that communities of various populations could be served with networks of modules arranged to serve larger population concentrations.

The laboratory model will allow NASA/HUD to test the integrated concepts on a small-scale, and at low cost before full scale demonstrations.

The contract with Hamilton Standard calls for completion of testbed installation at JSC in the spring of 1974. The NASA MIUS activities at JSC are managed by the Urban Systems Program Office headed up by E. L. "Ted" Hays.

Employees Receive Cash Awards

(Continued From Page 1)

documents when printed. Her suggestion was adopted by the Management Analysis Office.

Joseph P. De Core suggested that the form which was being used as an identification label on spacecraft flight equipment being stored and shipped be revised to include nomenclature, quantity and unit in order to avoid discrepancies. Quality Assurance adopted his suggestion.

Lawrence D. Kissinger observed that a sewer cover plate with a structural failure was in

use near Building 7. Although the drainage grate had been repaired, Mr. Kissinger felt that it presented a significant safety hazard should a heavy vehicle cross over it. Acting upon this suggestion, the Crew System Division ordered the appropriate contractor to replace or adequately repair the cover.

All JSC employees who have ideas that may benefit the Center, are urged to mail Suggestion Form 624 to AH5/Awards Office.



FLOATING ASTRONAUT—Scientist-Astronaut Joseph P. Kerwin floats with his body outstretched as he demonstrates weightlessness in the forward compartment of the OWS of the Skylab space station cluster. The Skylab 2 crewmen performed exercises while floating.



MO92 EXPERIMENT—Astronaut Conrad serves as test subject for the Lower Body Negative Pressure (MO92) Experiment. Scientist-Astronaut Joseph P. Kerwin assists Conrad into the LBNP device.

Views of Key Personnel in Control Room Working to Make Skylab 2 Successful



Skylab Crew May Train in NBS

Skylab Program Director William Schneider has indicated that the Neutral Buoyancy Simulator will be the site of several training exercises for the Skylab 3 crew.

Schneider stated in a press briefing last Friday that the SL-3 crew would be undergoing several training exercises in the NBS in an effort to familiarize the Bean, Garriott, Lousma crew with the deployment of the Marshall Center twin pole solar sail.

Skylab officials had announced earlier that the MSFC sail would not be deployed until the SL-3 mission. There had been speculation that the SL-2 crew would deploy the sail when they performed their regular EVA to retrieve film from the ATM. But, materials experts have concluded from test results that the parasol shield would not deteriorate during the unmanned period between the two missions.

When asked why the SL-2 wouldn't deploy the sail Schneider replied, "Obviously, this crew has had many EVA activities and they are at the end of a 28-day mission in a very, very hard working mission. This way," Schneider continued, "we'll not only start out with a fresh crew but we will indeed be able to get back into the water tank for several deployments and train the crew even better than the existing SL-2 crew is."

Conrad, Kerwin and Weitz were only in the NBS once for deployment training.



CL Sailing Club Hoists Sail for Summer Races

The Clear Lake Sailing Club has begun its Friday evening and Saturday summer race schedule. Friday skippers' meetings start at 6:30 p.m. on June 22, June 29, July 6 and July 13 for canoe and sail classes at 3514 NASA Road 1, and the Saturday series skippers' meeting at 10:30 a.m. on June 30, July 14 and July 28 at Harris County Park Pier.

The Friday races include novice training in which novice sailors are teamed with an experienced skipper in doubles.

Sailboat classes taking part in the race series are Dolphin Sr., Starfish, Sunfish, Windmill, 470, Snipe, Hobie 14, and Handicap. Some rental boats are available to boatless skippers.

CLSC family dues are \$10 annually. Further information is available from race committee chairman Bill Rogers at 337-1259 or membership chairman Pat Butler at 333-4764.

