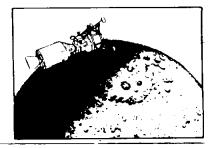
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NASA LYNDON B. JOHNSON SPACE CENTER

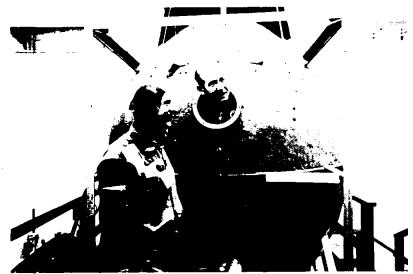
HOUSTON, TEXAS



Friday, February 28, 1975

Vol. 14 No.5





SIMULATION—Cosmonaut Aleksey A. Leonov and Astronaut Thomas P. Stafford go through a simulation of activities in the command module mockup at JSC. Leonov and Stafford are the commanders for the Soviet and American ASTP crews, respectively. In the bottom photo, the commanders take a break from training to enjoy a lighter moment. Leonov sticks his head through the Soyuz orbital module mockup while Stafford looks on.

Throughout NASA...

AWARDS

NASA has given 24 persons a total of \$20,000 in awards for their work in helping to develop NASTRAN (NASA Structural Analysis), a cost-saving computer program that permits rapid design and stress analysis of a wide variety of structures.

SEMINAR

A number of representatives from minority businesses recently participated in a Technology Transfer Seminar at JSC's Gilruth Recreation Center.

COMMEMORATIVE STAMP

The first flights to Jupiter by NASA's Pioneer spacecraft will be marked today by the issuance of a commemorative ten cents postage stamp. Ceremonies in honor of the event will be held at Ames Research Center.

CONFERENCE

Technical managers and executives of the gas industry recently participated in a two-day technology conference sponsored by the Lewis Research Center.

Along with other subjects, the importance of developing synthetic fuels was emphasized, as well as the uses of hydrogen and conversion of organic materials. JOINT MEETINGS

Several representatives of power-related industries attended joint meetings recently at the Jet Propulsion Laboratory and at NASA Headquarters. Five major tasks of a low-cost silicon solar array project were outlined emphasizing research and development opportunities for industry.

ASTP

Countdown

-The Apollo-Soyuz crews are completing joint training and the Soviet Cosmonauts will depart JSC this weekend.

-The American Astronauts will travel to the Soviet Union in April and the joint crews will undergo a final training session there.

-Briefings were held Wednesday on the upcoming mission including an experiments briefing, a hardware briefing, an orbital projectory briefing and a briefing on the joint crew

—Thursday, news media representatives held interviews with the ASTP Astronauts and Cosmonauts.



INTERIOR SHOT-Cosmonaut Aleksey A. Leonov focuses his camera for an interior shot during a simulation exercise for ASTP. Leonov is inside the Soyuz orbital module mockup in Building 35

Length of Service Awards Presented

In a ceremony held recently at ISC, a group of employees were presented Length of Service Awards by Center Director Christopher C. Kraft, Jr.

Receiving awards for 35 years of government service were Andrew "Pat" Parnesky (AP3) and George MacDougall, Jr.

Thirty-year awards were presented to Robert W. Horstmann, Howard C. Kyle, May T. Meadows, James C. Weaver, I. Edward Campagna, Bill L. Johnson, Frank E. Vaughan, Jr., Melvin B. McGennis.

Employees receiving 25-year awards include Joseph D. Haulbrook, Alfred J. Ligrani, Robert P. Linberger, Lee Lawson, Raymond E. Wilson, Jr., Cecil L. Roby, Carlos E. Ramirez, Jerrye O. McKown, Woodrow W. Wilson, John P. McBride, Jesse L. Wilder, Tom F. Brahm, and Henry A. Smith.







ASTP TRAINING - Prime and Backup ASTP crewmen have been undergoing extensive training for the July mission. In the top photo are Astronaut Vance D. Brand, right, and Cosmonaut Valeriy N. Kubasov. The second photo pictures Astronaut Alan Bean, left, and Anatoliv Filipchenko. The bottom photo shows the prime and backup crews and other technical ASTP representatives.

Center Announces New Program

Employees at GS levels 1-7 who have completed at least six hours of college-level courses may have a chance to participate in a new program at JSC called Project IQ (Increased Qualifica-

While selection and successful participation in this program will not directly result in promotion to a higher grade, it presents an opportunity for self-improvement that may prepare an employee to compete for future advancement.

IQ participants may enroll in one or two college courses during duty hours for four academic semesters. JSC will pay training costs including tuition, fees, and textbook prices. (Mileage or other costs associated with travel to training facility will not be reimbursed.)

Courses sponsored must relate

to the employee's current duties, to some future duties to which the participant may aspire, or to the participant's general educational development in the areas of mathematics, science, or communications skills.

Interested employees who qualify should submit a completed JSC Form 75 (Application for Training) and must attach a sheet listing all college courses previously taken and the grade received. The complete application must be approved by the employee's immediate supervisor and division chief before forwarding to the Employee Development Branch (Code AH3). All applications must be submitted by close of business March 21.

Employees or supervisors with questions should call John Lovejoy, X3734.

Gibsons Lead An Adventurous Life!

From the beginning, JSC employees Billie and Tom Gibson detected that their personalities were in harmony; both are sagittarians who enjoy outdoors life; sports and traveling.

They met at Ellington Air Force Base—he, a ruggedly handsome young engineer in the Ground Data Systems Division—and she, an energetic, attractive secretary in the Center's Program Operations Office.

Since their marriage in 1971, they have shared an adventurous and exciting lifestyle.

Fishing is one of the pasttimes they most enjoy—especially Tom. A native of the Panama Canal Zone, he began fishing for tarpon at age eleven. To date, he has boated 531 tarpon from such places as the Carribbean, Mexico, South America, Louisiana, Florida, and Texas. Tom keeps a record of all strikes, bites, etc., "This is to see if I can improve my methods," he explained.

Apparently, his methods are pretty good since he currently holds the World Tarpon Record



ACQUIRED FROM MEXICO—Billie Gibson is surrounded with all the items she has accumulated from her frequent trips to Mexico. She is fascinated by the country and plans to travel there again.



This modallion is presented in appreciation of your dedication and efforts in insuring the successful accomplishment of the Skylab Grogram -- May 1973 to February 1974



A BIT OF SKYLAB—More than 2000 NASA JSC employees who had a direct involvement in Skylab will receive shortly a copy of the above award as presented by the Manned Flight Awareness Program. The certificate has been signed by the nine crewmembers of the three Skylab missions and contains a medallion made from a portion of metal returned from space by the crew of the SL4 orbiting space station. The front and back of the medallion are pictured below.



for 130 pound test line. Caught near the Port Isabel jetties, the fish weighed a whopping 210 pounds!

Tom placed first in last year's Tarpon Rodeo Bay and Surf Fishing Tournament at South Padre Island with a 159 pounder. He has held the world record on six pound test line with a 64-pound, five foot silver king.

Tom says a great deal of the credit for his success in fishing goes to "others."

"The weather people, for example, often advise me of weather conditions which gives me an idea of the best chances for catching fish," he said.

Billie, who was introduced to game fishing by Tom, has also held a world record for 6-pound test record in the women's division. She has also boated a tarpon weighing 102 pounds on a 20-pound line. This tarpon, she says, was caught during their honeymoon.

The Gibson's fishing hobby involves a great deal of traveling and that is "just great" as far as Billie is concerned, "I'm as much a fanatic about traveling and meeting people as Tom is about fishing," she admits.

Billie is especially fascinated with Mexico and has traveled there frequently. In fact, it was she who initiated the JSC Travel Club's first trip to Mexico.

Recently Billie and one of her friends visited a small town in Mexico and were forced to speak the Spanish they had learned in their Conversational Spanish classes, since no one in the town spoke English. "We got along just fine," she said.

Billie says that although she was not very adventurous and athletic in school, in the last several years, she has had the urge to "go everywhere and do everything!"

Perhaps the Gibsons' latest hobby of learning to fly airplanes will bring Billie closer to that goal and at the same time will complement Tom's fishing sport.

The Gibson's traveling, fishing, playing volleyball, bridge and the like have gained many friends for them. It's not difficult to understand why people are attracted to this couple; their enthusiasm and appreciation of life is indeed contagious.

Free Camp

Do you know a diabetic child or a handicapped child who would like to spend two weeks at summer camp free? If so contact Sal Villarreal (483-5391), who will supply information and application forms. The summer camp is being sponsored by the League City Evening Lions Club.

Take . stock in America.

Buy Series H Bonds.



RECORD SETTERS—Billie and Tom Gibson are pictured with the tarpon they caught which set world records. Billie's record, in the 6-pound test line was held for a year. Tom currently holds the World Tarpon record for 130-pound test line.

Counselor Fulfills Innate Desire to Assist Others

Esther Washington had always wanted a job where she could meet interesting people; but more than that, she wanted to be in a position to "do something for them." She says her assignments in Personnel and as an EEO Counselor provide her with ample opportunities to assist employees, "And I find that very rewarding," she added.

Esther joined JSC eight years ago. Among other duties, she keeps such personnel records as EOD's (Entrance On Duty), separations, promotions, and the like. She became an EEO Counselor in February of last year and since then has had a chance to meet many people in different fields and at different levels.

Esther strives at remaining objective in handling employee's problems. She says that a great many of the complaints she is confronted with are not EEO oriented. However, because the employees are not aware of this fact, a great deal of her time is spent "lending an ear." She always routes these employees to the appropriate sources for their particular grievances. "No one is ever dismissed without some assistance," she said.

When Esther is not on the job, she still finds time to fulfill her seemingly innate desire to come to the aid of others. She is President of the Delta Philanadaes, a public service organization which sponsors a number of community projects. Currently, the group performs services for residents of the Silver Threads Nursing Home.

For recreation, Esther enjoys swimming, roller skating and ice skating. She lives in Houston with her husband Eli and their four sons.



ESTHER WASHINGTON

First Tuesday Film Series

"This is Mission Control," another in a series of films shown for the benefit of JSC employees on the first Tuesday of each month, will begin at 12:15 p.m., March 4, 1975 in the Bldg. 2 Auditorium.

This film outlines the flow of data from the spacecraft through the network, defines the different systems of support, emphasizing the various Mission Control Center systems (including Command Communications and Telemetry System, Display, Real-Time Computing Complex) and the role of computers in the operation.

EAA Attractions

Plans are now in progress for sponsored by the EAA. The hunt recreation area where children "Golden Egg"

basket, a bag of candy and other goodies, and as many eggs as Egg" of each age group and to those finding the most eggs.

The cost will be \$1 per child. Tickets go on sale March 3 and will be sold through March 12. No tickets will be available at the Hunt, so they must be purchased at the Ticket Center, with "down to earth" fun. Building 11 by the deadline.

In case of rain, baskets of eggs and goodies will be distributed between 1 p.m. and 2 p.m. at the Recreation Center.

Adults will not be allowed to hunt eggs with the children. TICKET CORNER

Windmill Dinner Theatre \$7. gd through March 30, 1975, only 50 available. Dean Goss Dinner theatre, \$16 couple. Houston Aeros Hocky, all season \$4.40, Sea Arama, yr round, adults. \$3, children \$2. Houston Rockets, present EAA membership card at Hofheinz Pavillion Will-Call window for \$1 off all price tickets, Disney Magic Kingdom card, free, Lion Country Safari cards, free, EAA Country Western Dance, \$6, March 1, EAA Children's Easter Egg Hunt tickets will go on sale March 3, \$1 each, only 500 will be sold for children 2-8, no adults will be allowed to hunt with children, Astro-world tickets will go on sale soon \$4.50 all tickets. Fiddler On the Roof, Music Hall, March 14, \$5.95 only 112 tickets will be sold, Astro baseball tickets will go on sale soon.

SOFTBALL

Don't forget! Registration period for 1975 EAA softball season is March 17-21.

If you've been sitting at home the Annual JSC Easter Egg Hunt waiting for spring and feeling "itchy" with nowhere to go, why is planned for March 15 at the not combine fun and exercise while awaiting the summer? ages 2-8 can set out after the Making all this possible is the ISC Dance Club who will once Each child will be furnished a again offer a beginner's class consisting of ten lessons.

Included in the lessons are the he/she finds. Prizes will be given fox trot, the waltz, the cha cha, to the finders of the "Golden" the swing, and for the adventurous of spirit and spry of foot, the

> Instructors will be Bob and Ray Calvert who have taught hundreds of local dancers and maintain a reputation of combining serious dancing instruction

> The cost for all ten lessons is \$35; classes will take place at the Gilruth Recreation Center starting March 5 at 8:15 p.m.

> For those who have already taken the beginner's classes. intermediate and advanced classes will be offered, beginning on March 5, also. For more information, contact Charles Krpec. X5551, Code FD7.

TENNIS

The ISC Tennis Club has begun a new membership year and welcomes "new faces." According to EAA regulations, membership is limited to JSC employees and onsite contractors.

Annual dues are \$1 per person (\$3 maximum per family) and are payable to the Club treasurer, Jim Bone, Code BA (X3941). Along with payment, include name, mail code, and home and business phone numbers.

Members are notified of tournaments, ladder standings, instruction clinics, etc.

Club officers include Ed Fendell, president, Westerfeld, vice-president, Jim Bone, treasurer, and Cheryl Bouillion, secretary. Any questions concerning the club should be directed to these officers.

announces the WINNER THE LITTLE PRINTZ SUBMITTED BY STEVE ANDRICH AND THANKS FOR ALL THE OTHER GREAT SUGGESTIONS. HERE ARE A FEW OF THE RUNNER-UPS. SCRIMPY WE BENNY FITZ PENNY PINCHER LOCO SAMMY SAVIT PRINTS CHARMIN' E.CONOMISER SMUDGE WE WILLIE CONOMIZE RUSSELL UPSUM COSTCUTS

'The Little Prinz' is now the official name for the JSC low-cost symbol. Submitted by Steve Andrich of the Orbiter Engineering Office, the name was selected from among 283 suggestions from Center employees. The newly named symbol will be integrated into all JSC Cost Reduction and Low Cost Programs.



OUTSTANDING AWARD—Shirley Newsom recently received the Outstanding Secretary Award for February. Dr. Christopher C. Kraft presents a plaque to Shirley while John R. Brinkman, Chief, Photographic Technology Division and Andrew M. Sea, Chief, Audio-Visual and Motion Picture Production look on.

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

HOUSEHOLD ARTICLES

Electric stove, white, 3 burners, deep well, oven, storage drawer, \$20, hooker headers, fits 340 dodge eng. \$50. 2 kitchen sinks wi faucets,

Compact kitchen unit (refrig, 2 elec burners, sink, disposal) in walnut finish, xint endn, \$250. brown wood kit wall cabinets, \$45, maple finished playpen, \$20. Dorland, 488-3258.

B/W portable t.v.. RCA 474-4507. Gold velvet Spanish sofa, 8 ft. prfct cndn li nw \$395 orig cost, will sell for \$175, 3 lamp pole

beautiful, \$15, 488-5564. Lenox fine china. Harvest pattern, complete service for 8 wi serving pieced, sacrifice, 482-

Kingsz headboard, tufted/matching spread. floral, yellow and green and 2-pr drapery panels

36" long, 482-7938 aft 4. VEHICLES

71 Triumph TR6, yellow, xint cndn, orig owner, xtras, 334-5998 74 Delux pinto wgn, air, radials, low mi

71 Suzuki. 125 duster setup for trails, gd cndn,

71Honda CB500 Fairing, Saddlebags, 643-73 Jaguar, XJ-6, 4-dr. lw mi, Ben 529-7521

Boys 27' 10-spd bike, \$70, X3918 or 474-4507 Cream puff 72 VW van, 25,000 mi, a/c, AM-FM, nw tires, nw battery, many xtras, \$2800, 488-5185, 333-2030, X199.

10 spd bike. Fuji finest, new, all aluminum components, life-time guarantee on chromemoly dbl-butted 211/2" Frame, was \$350, now

73 Lark Camp trailer (crank-up/pull out) surge brakes. LPG stove, ice box, water tank, \$1350, Burton, X4351, or 471-0778.

A good move.

Take stock in America. Buy U.S. Savings Bonds.

Group Forms LULAC

A group of Spanish-surnamed Americans recently organized a NASA area council of the League of United Latin-American Citizens (LULAC). Recognized Nationally, this organization is nonpolitical, civic-oriented, and concerned with the development of better citizenry within the community through the promotion and assurance of individual political and religious freedom, equal treatment and justice under the law, and equal social and economic opportunity for all citi-

The NASA area council meets on the first and third Thursday of every month at 5:00 p.m. at the Gilruth Recreation Center. New membership is invited. For more information, call John Rosales, X4027 or 488-5902 (home).

350 Honda, adult owner. If nw wilonly 700 mi. \$650, 462-3252aft 5 PETS

AKC registered Afghan pups, ready March 25, own both parent, 485-5225. WANTED

Electrical power adapter for using American Appliances on European power

Want to form car pool from Pasadena-Burke Rd / Red Bluff area to Bldg 1,2, or vicinity, 8-4:30

Persons interested in adult swimming at night, 644-9268 or 333-2442 aft 6.

PROPERTY AND RENTALS 20 acres. Central Texas, income, \$500/acre Texas Veteran loan acceptable, 481-0780 aft 5.

Alvin area, by owner, 3-2-2 wi fireplace on 4 acres, barn, nw fence, mid-forties, 585-5648.

MISCELLANEOUS Comptom's encyclopedia. 73 edition, nver

used. w/yearbook, \$289 retail value, \$150, Rogers, 944-7042 Thompson/contender, will trade left hand

grips for right hand grips, Handley, 482-7041. VW wheel adapters, mount Chevy, wheels on 67 or earlier VW, \$15, 488-5037.

Royal portable typewriter wi case, \$19.95, Bullock, 488-1042

Sears lawn mower cost \$120, used 5 times, only \$50, Redmond, 5111 or 667-6919 aft 6. Penske DC powered Xenon timing light \$15, Bauch, 333-3382

Self-propelled rotary lawn mower, Briggs and Stratton engn. \$60. Sabre saw, new \$15, 488

RK-520 cassett recorder, 20 watt, 1 yr old. cost \$175, sell for \$100, Dick, 334-2850

Boys' clothing, quality labels, xInt cndn, ages 3-12, dress and play outfits, 474-2654

Lawn edger, Sears 3 hp, gd cndn, \$30, Welch,

Summer Workshop Planned

NASA, the University of Houston and the Civil Air Patrol will present a workshop June 9-20 at JSC which will involve non-technical presentations on aviation and space given by men

Scuba Diving

The JSC Scuba Diving Club will offer a certified course in the use of scuba beginning the last of March. The course will include classroom lectures and supervised practical experience in the use of Scuba. Enrollment will be limited to twenty-five persons.

Upon successfully completing the course, participants will be certified by the National Association of Underwater Instructors.

Members of the Lunarfins receive reduced rates for the rental of club equipment and special boat rates for gulf diving. Persons interested in the course or other club activities should call Fred Toole at 2731 or Quinton Holmes at 3001.

and women who have participared in space exploration during the past two decades.

The workshop is designed specifically for administrators, counselors, and teachers at the elementary, secondary and college levels. In addition to the programs and field trips, Aerospace Educational Specialists from NASA's Space Science Education Project will be available to aid educators in developing curriculum units at any desired interest level.

The course fee of \$60 will include all materials, books, activities and field trip transportation. Meals and housing are at the participant's expense.

Those interested in the workshop should contact Robert Jones, 749-1687 or Jim Poindexter, 483-4434.

> Take stock ın∆merica.

NASA LYNDON B. JOHNSON SPACE CENTER

HOUSTON TEXAS

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

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Photographer: A. "Pat" Patnesky

Technical Library Attracts JSC Employees And Contractors

Center and contractor employees are continuing to utilize the services of the library located in Building 45. According to Al Bradley, Chief, Technical Library Branch, the library is constantly obtaining new information to add to its collection of books, journals, technical reports and other recorded forms.

There have been constraints in the resources available to the Library, but every effort is being made to supply the essential informational needs of the Center.

is in the scientific and technical fields, the library also has significant collections of books in other areas including management and administration.

The library has at its disposal the information-gathering services of the NASA Headquarters Scientific and Technical Information Office and its contractor facility, as well as the services provided to NASA by the American Institute for Aeronautics and Astronautics. These combined services attempt to cover the world literature in the aerospace and allied fields.

Several years ago, the library While most of the information began using an information retrieval system called RECON which links by leased telephone



READING AREA—Employees often visit the library to read the latest information in their particular fields. These employees look through some of the many journals in the library

lines to a Computer in the NASA Facility at College Park, Maryland. This computer contains information announced in the Scientific and Technical Aerospace Reports (STAR) and the International Aerospace Abstracts (IAA). Utilizing a keyboard arrangement similar to a typewriter, library patrons may obtain swift responses concerning specific topics by subject, author, contract number or report.

Another system which enables

the library users to keep abreast of the latest information within their particular subject interests is SCAN (Selected Current Aerospace Notices). In SCAN, documents newly announced in the NASA Scientific and Technical System are indexed under approximately 200 special topics. Citations under these topics are sent automatically to users of this service.

In addition, the library provides an Information Bank Program in which technical reports from NASA contractors and other government agencies are catalogued in book form exposing its users to the latest information available in their particular fields.

Credit Union Meeting

Registration for the March 11 Annual Credit Union Meeting will begin at 6:30 p.m. Tickets for door prizes will not be issued after 7:30 p.m.



RECON-Robert L. Phelts, Technical Information Specialist, demonstrates to employee

National Space Club Opens **Historical Essay Contest**

1975 Robert H. Goddard Histori-\$500 prize and a trophy.

of the world rocket pioneer, Dr. Robert H. Goddard, whose scientific and technological contributions—though belatedly —helped open the door to space.

Essays may concern any significant aspect of the historical development of rocketry and on their originality and scholar-

They may bring to light new winning essays. information or may cast a new and different light upon events or individuals influencing rocketry and astronautics in the United

Entries must be submitted by November 1, 1975 to the Goddard Historical Essay Contest, c/o National Space Club, 1629 K Street, N.W. Washington, D.C. 20006. Additional contest rules are listed below:

-Essays should not exceed 5,000 words and should be fully documented.

-The name of the competitor should not appear on the essay, and each essay must have a motto selected by the author in

The National Space Club has should appear on the title page of announced the opening of the the essay, on the outside of a sealed envelope containing idencal Essay Award competition. tification of the author, and Open to any U.S. citizen, the above the name and address of contest winner will receive a the competitor inside the envelope containing the identification. The The contest is named in honor envelope identifying the author will not be opened until the Committee has made the winning selection.

—Essays must be typewritten, recognized in the United States legible, double spaced, on paper approximately 81/2 by 11 inches, and must be submitted in dupli-

-Essays remain the property astronautics and will be judged of the authors, although the National Space Club retains the right to publish and distribute

Contract Awarded

JSC has awarded a one-year contract extension to Pan American World Airways' Aerospace Services Division, Cocoa Beach, Florida for plant maintenance and operations support services

The initial cost-plus-fixed-fee/ award contract was awarded for a one year period, and the new extension runs through February 12, 1976 for an estimated annual contract value of \$6.7 million. Pan Am employs about 320 people in the operation of all JSC utility systems and facility maintenance, buildings, roads, addition to the title. The motto ditches and special equipment.



SHELVING TIME-Library workers are shown in the process of shelving books that have been utilized by employees

Awards Presented at AIAA Meeting

Charles B. Appleman, Manager of the Houston Aerospace division of General Electric, was the recipient of the Distinguished Service Award of the American Institute of Aeronautics and Astronautics.

Appleton, who received the award at the AIAA's annual meeting in Washington, D.C., was honored for his dedication to improving the benefits to Houston section AIAA members and for his exceptional service to the society at the national level.

Dr. Rocco A. Petrone, Associate Administrator of NASA, received the Louis W. Hill Space Transportation Award at the same meeting.

Take stock in America. Buy U.S. Savings Bonds.



ASSISTING EMPLOYEE—Librarian Retha Shirkey assists an employee in locating needed information