

THAT'S MY BABY!—Looking for all the world like a proud papa seeing his newborn child for the first time, Apollo 16 LM Pilot Charley Duke points to one of three large rocks from collection bag No. 7. At Duke's left, contemplating the triplets he helped deliver is Mission Commander John Young. The other interested spectators are Dr. Friedrich Horz, left, of the Geology Branch, Dr. Pat Butler Jr. of Laboratory Operations, and Dr. James Head of Bellcomm Inc.

## Morris, Tindall Head Apollo and Flight Ops

Two high-level personnel assignments were announced last week by Director Kraft. They were the appointments of Owen G. Morris as manager of the Apollo Spacecraft Program Office and Howard W. (Bill) Tindall Jr. as director of Flight Operations.

Morris succeeds Brig. Gen. James A. McDivitt, who is a special assistant to the center di-

rector for Organizational Affairs. Tindall follows Sigurd A. Sjoberg, now deputy MSC director.

Morris, previously manager for the lunar module in ASPO, is 45 and a native of Shawnee, Oklahoma. He joined the National Advisory Committee on Aeronautics, NASA's predecessor, at Langley Research Center in 1948.



MORRIS



TINDALL

### Lose a Bundle? Security Has It

Somebody is going to be happy to know that MSC Security is holding a large sum of money that was found on the center.

He'll be happy, that is, if he contacts Rod Puffer, extension 4441, and gives the Security Office chief enough particulars to prove ownership.

Along with the cash, Puffer says, Security also is holding a wide range of found items that need owners.

In 1961 he transferred to the Space Task Group, which was to become MSC, and served as chief of the Mission Engineering Branch, ASPO.

Tindall also joined NACA in 1948 and MSC in '61 and provided preflight and operational trajectory data on Mercury, Gemini and Apollo missions. He is 47, from New York City.

### Apollo Propellant Blast Injures 46, One From MSC

An explosion during propellant transfer operations on the Apollo 16 command module at San Diego Monday injured 46 persons, one of them from MSC.

The blast occurred at North Island Naval Air Station as fuel and oxidizer was being unloaded from the spacecraft's reaction control system.

William B. Wood of Recovery Operations was among the injured. He sustained minor lacerations.

Most of the other personnel involved suffered from inhalation of the chemical fumes.

### Dr. Gast Named To High AGU Post

An MSC man has been elected to a top spot in the prestigious American Geophysical Union. He is Dr. Paul W. Gast, chief of the Planetary and Earth Sciences Division, Science and Applications.

He was notified last week of his election to the presidency of the AGU Section of Volcanology, Geochemistry and Petrology.

### Civic Affairs Occupying Three MSC Personnel

Civic affairs occupied some MSC personnel this week with one man appearing before Sen. Edmund Muskie's Subcommittee on Intergovernmental Relations in Washington and two others working on a public hearing

regarding the area's underground water sources.

Curt Vetter, an engineer in Quality Assurance and a resident of Clear Lake City, appeared on the same U. S. Senate program with Consumer Advocate Ralph Nader.

The Muskie-headed panel, an arm of the Committee on Government Operations, is looking into alleged property tax inequities.

Vetter and Nader testified before the subcommittee on Tuesday.

On another front, Jack Hartung of Planetary and Earth Sciences Division and Veit Hanssen of MPAD are armed with information on a hearing to gather facts on claims the Clear Lake land area is sinking at an alarming rate.

The hearing will be conducted by the Clear Creek Basin Authority, a State-appointed group, on May 24 in the Harris County Park Building on NASA Boulevard.

Varying viewpoints will be presented by a four-man panel which also will answer questions from the audience.

### Dr. Heidelbaugh Wins Air Force Commendation

Dr. Norman D. Heidelbaugh, chief of Food Science, has been awarded the Air Force Commendation Medal for his conception, planning and implementation of food safety procedures for Skylab.

The citation was based on his work to keep food nutritionally complete and safe to eat even after long storage as on the 28- and 56-day Skylab missions.

Dr. Heidelbaugh, a lieutenant colonel in the Air Force, previously has received the AF Legion of Merit and the Air Force Association's Texas Scientist of the Year award for other accomplishments in the food field.

### MAKE SURE



### SMALL BUSINESS PLAYS A BIG ROLE IN OUR SPACE EFFORT

THE WHITE HOUSE  
WASHINGTON

April 12, 1972

MEMORANDUM FOR HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

In keeping with tradition, I am proclaiming the week of May 14 as Small Business Week. During this period, it will be important to focus public attention on the vital role played in our economic and social life by small firms and the people who own and run them.



SHIRLEY PRICE: 'OUTSTANDING' — MSC's Shirley Price met the NASA Administrator, the vice chairman of the U.S. Civil Service Commission, and the daughter of the President—all on the same platform when Shirley accepted her citation as the Outstanding Handicapped Federal Employee of the Year. At left, of course, is NASA Administrator Dr. James C. Fletcher and on the right are Tricia Nixon Cox and CSC Vice Chairman Jayne B. Spain. The award Shirley won is made each year by the Civil Service Commission to recognize persons with "exceptional job performance . . . in spite of severely limiting physical factors."

## Twenty-five Skylab Student Finalists Discuss Ideas with NASA Scientists

Twenty-five national finalists in the Skylab Student Project, including MSC's Kathy Jackson, discussed the design of their space experiments and demonstrations with NASA officials this week at Marshall Space Flight Center.

The students worked with NASA scientists and engineers in a series of preliminary design reviews of the same type NASA conducts for flight experiments submitted by professional scientists.

The 25 national winners, from 17 states, were chosen by the National Teachers Association in April from a total of 3,409 proposals submitted by students in U.S. secondary schools in 50 states. The Skylab Student Project is designed to stimulate interest in science and technology by directly involving students in

space research.

The students, their high school advisers, and parents were guests of the National Science Teachers Association and the Marshall Center.

Some of the student proposals require the fabrication of experiment equipment or hardware. Other proposals use information being gathered for other purposes.

Space experiments or demonstrations proposed by these high school students are being considered for flight aboard the Skylab manned space laboratory scheduled for launching in April 1973.

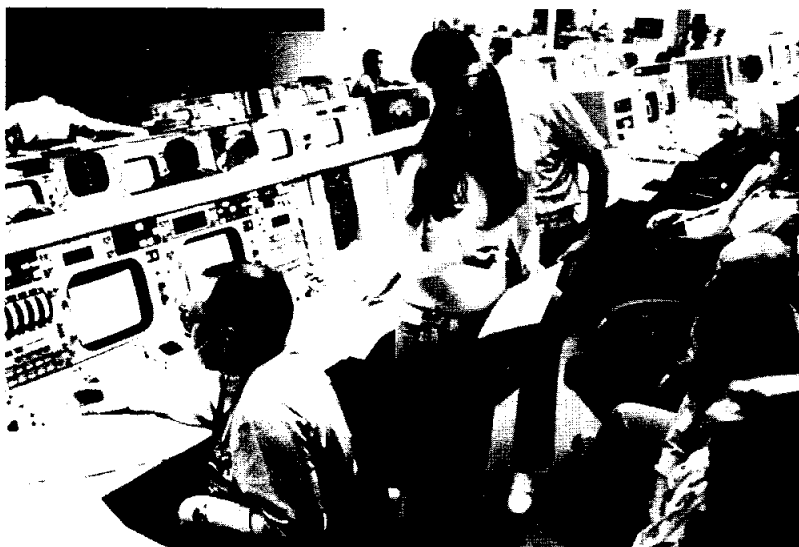
## Stationary Orbit Study Requested

MSC has asked for proposals on a "Pre-Phase A Study" of geosynchronous programs—fully-automated to mannable platforms put in orbit about 22,300 miles above Earth, an altitude at which their orbital velocity matches the planet's rotation.

Candidate concepts include orbiting solar observatories, large space telescopes, and Earth observatories.

Some \$200,000 in technology funds are set aside for the study.

## MSC Picnic Sept 23



UNNOTICED—One of the unsung, unseen jobs in Mission Control Center during a mission such as Apollo 16 is the service provided by MSC workers like Mary Yarbrough of ASPO. Mary delivers reports and messages from the various support rooms to the flight controllers in Mission Operations Control Room and even takes lunch orders when the going gets too active for the controllers to leave their consoles. This picture was shot when all eyes were on the lunar EVA (well, almost all eyes).

## IEEE To Meet Tuesday Evening

Dr. D. M. Detchmندی will speak on "Information Extraction for Multispectral Earth Resources Data" at Tuesday evening's Aerospace and Electronic Systems Group, IEEE, meeting. He is from TRW.

The program will start at 7:30 in the Philco-Ford auditorium, El Camino Real and Gemini, CLC, with coffee and cookies served prior to the meeting.

## MSC Horse Lovers Getting Ready For 28th Annual Pin Oak Charity

MSC horse fanciers and charity backers should start preparing for the 28th Annual Pin Oak Charity Horse Show sponsored by the Houston Horse Show Association for the benefit of Texas Chil-

dren's Hospital.

The association has announced the dates for seven evening and two matinee performances at the Pin Oak Stables on Post Oak Road. They are Monday through Sunday, June 5-11.

Evening shows, beginning at 7:30, will be held all seven days, and matinee performance will be given Saturday the 10th at 1:15 and Sunday the 11th at 1:45.

Recognized as one of the three top shows in American horsemanship, Pin Oak this year is expected to draw 500 to 550 head in 103 different classes.

Tickets, total proceeds from which go to the Children's Hospital, can be ordered from 667-2494 (box seats and general admission) or from Elaine Stemmerick, MSC extension 2441 (general admission).

## Ernest Dement, FCO, Dead at 52

M. Ernest Dement Jr., chief of Systems Procedures Branch, Flight Crew Operations, died May 4. He was 52 and a veteran of the space program.

Survivors are his wife, Marjorie, a daughter, Anna Lee, and a son, William E.

Memorials may be sent to the Senior Citizens Center in care of the Seabrook United Methodist Church.

## Parker Carroll, EEO Counselor, is 'Listener'

Parker L. Carroll, one of MSC's Equal Employment Opportunity counselors is responsible for center-wide institutional procurement programs.

Parker is a true product of the Mid-South. He was born in Truman, Arkansas, a small town about 50 miles from Memphis, Tennessee. He completed elementary and high schools in Greenville, Mississippi, and Mobile, Alabama.

Parker attended Memphis State University, where he completed his prelegal education majoring in business administration. He attained the Bachelor of Laws Degree in 1951 from the University of Tennessee, Knoxville.

He worked his way through college as an engineering aide with the U. S. Geological Survey.

After graduation, he continued his education by taking extension courses from the University of Tennessee, and in 1968, he was awarded the Doctorate of Jurisprudence by that institution.

He served four years as an investigator with the United States Civil Service Commission. Following this service, he was employed by the United States Air Force for eight years.

With the USAF, he held various management positions including supervisory management analyst, and supervisory logistics officer, concerned with contract support programs.

He joined MSC in 1963 in the Procurement and Contracts Division. Currently, he is chief of the Institutional Procurement Division.

His experience has demonstrated that in most instances counseling sessions are of benefit although a formal discrim-

ination complaint may not be in order.

Carroll's comprehensive understanding of personnel procedures particularly qualifies him for his counseling activities.

Carroll's interest in the underprivileged and the disadvantaged is of long standing and stems from the fact that he is inclined to be empathetic and compassionate.

While at the University of Tennessee, he worked in the Legal Aid Clinic which gave him his first real opportunity to counsel and assist indigents and individuals disadvantaged for a variety of reasons.

His legal background and his work with the Civil Service Commission developed his ability to gather facts, identify real issues, and to assist in problem solving.

Carroll believes that the most important quality of a good counselor is to be a careful listener, patiently allowing persons being counseled to freely and confidentially express their feelings and attitudes.

Parker is married to the former Edna Louise Holmes of Memphis. They reside at 142 Ravenhead Drive, Houston. They have two children: daughter, Patricia Carroll Nail, who is a graduate of the University of Houston, and married to a Shell Company chemical engineer; and son, Parker Craig who is in the 9th grade.

Parker shares the hobbies of his son, and at the moment, they are involved in three aquariums and in several lapidary projects.



CARROLL

# Roundup Swap-Shop

(Deadline for Swap-Shop classified ads is Thursday of the week preceding Roundup publication date. Ads are limited to MSC civil service employees and assigned military personnel. Maximum length is 20 words, including name, office code and home telephone number. Send ads, typed or legibly written, to Roundup Editor, AP3)

### LOST & FOUND

Found: large amount of cash, on site. Contact R. C. Puffer, MSC Security Office, in writing, give particulars.  
Reward for man's manicure set in tan leather zipper case 5"x7"x1" lost Apr 27 in MOCR, Bldg 30. Simpkinson 483-5876.

### PETS

Free, four darling puppies need good home. Newman 474-3497.  
Big Reds - Irish setters born Mar 10, two pedigrees AKC & Field, national champ line. Morris 333-2910.

### PROPERTY & RENTALS

4 wooded lots, total about 1/2 acre, private lake in subdivision, off Rt 146. \$800 equity for \$600, total price \$1400. Monroe 554-3706.  
Miramar 4-2-2 brick by owner, convenient to schools, shopping, etc. nice trees, xint cndn, 1845 Capri. Newman 474-3497.  
Beach house on Boliver, block from Gulf-side beach, rent \$50 weekend (Fri 1 pm-Sun 4 pm) \$100 week (Sun 6 pm-Fri noon). Legler 482-3978.  
Rent Jamaica Beach on canal, 2 bdrm sleep 8, nicely furn, central air, now taking reservations. Maddox 481-1443.  
Lake Livingston, beautiful wooded lot, swimming pools, boating, fishing, low price, 10% down. Vetter 488-0275.

### BOATS

19' Traveler deep-V, 2000hp OMC 1/0, bilge pump, depth recorder, new MacLain trailer, surge brakes, & extras. \$3200. McChesney 333-2307.  
Scamper sailboat, heavy plastic hull over polystyrene, lightweight, similar to Sunflower, xint cndn, \$99. Musgrove 488-3966.  
Fisherman's special: 12' Quachita aluminum flat-bottom boat, grt cndn, no leaks, 5-yr warranty, cost \$120, must sell \$75. Horton 334-2360.  
14' catamaran fiberglass, MSA 140, fast, fully battened Dacron sail, defuxe Sears tilt trailer, like new, \$695. Minar 334-2082.  
14' tri-hull w/canopy, 35hp elec start motor, galv trailer, \$700. Clark 479-1249.  
21' Southcoast sailboat w/working sails and 5hp obm, \$1800. Hill 332-3838.  
Sailboat, Lone Star 16' (Chrysler), galv trailer, many xtras, gd cndn, reasonable. 488-4043.  
Lido 14 sailboats for sale by owners. Hoover 334-2392.

### DEADLINE FOR NEXT SWAP SHOP:

THURSDAY MAY 18!

### HOUSEHOLD ARTICLES

Crib, mesh playpen, stroller w/basket. G. E. Heat 'n Serve baby dish, vint cndn. Chapman 333-4659.  
21" Zenith b&w TV. Kenmore auto washing machine, both work, \$25 ea. Riggan 471-3025.  
Refrig-freezer, sep doors, 12 cu ft, frost-free, xint cndn, \$100 or best offer. Gates 333-2122 or 332-2835.  
Carpet w/pad, 9 x 12 red nylon oval, xint cndn, \$75. Black 482-1635.  
Twin mattress-box springs \$20 or trade for dresser in gd cndn. Baker 944-2549.  
Portable GE b&w TV w/stand, gd cndn, \$30. Home or commercial indoor/outdoor insect fogger \$50. Brenton 488-4372.  
Outdoor swing set w/canopy metal frame \$25. 488-4005.  
Early American furniture—couch, bookcase bed, dresser. Also stereo, component set, AM/FM radio. 333-2491.  
Moving boxes, dishpacs, bookboxes, airline dog kennel, sell or swap. Hawk 488-4409.  
Living room chair, modern \$25. Boys 20" spyder buzz bike \$13. 488-3288.  
Stereo & stereo AM-FM radio in attractive cocktail table, compact, beautiful tone. 488-4043.

## CL Subsection Meets at Busch

The Clear Lake Subsection, IEEE meets next Thursday evening for a social hour, dinner, and program of films and slides at Busch Gardens.

Although wives and guests are welcome, space is limited, so first-come first-served reservations are being taken.

Contact: Wayne Beard, 223-3121, extension 422.

Hand lawn edger \$2, 3 soaker hoses \$2, boys ice skates, brand new size 5. \$6, small drafting table \$2, bird cage \$1. 488-4005.  
Singer portable sewing mach; \$35, infants wardrobe chest xint \$15, child's Swing-a-matic xint \$6. 488-2613.  
RCA 18" portable b&w TV w/stand. 585-8316 after 5.  
Early Amer 90" wingback sofa, heavy maple tables, dining table, 4 chairs, student desk/hutch, twin bookcase headbd, 2 sets mattress/boxsprng, recliner. Bell 333-2340.

### MISCELLANEOUS

Cameras: Topcon Auto 100 w/fitted case, 35mm f3.5, 50mm f2.0, 135mm f4, coupled 2X extender, filters. Nikon FTN 35mm f1.8, 50mm f1.4, 180mm f2.8. Alexander 333-3395.  
Sewing machine cabinet \$15, stool \$2, antique buffet \$25, high chair \$8, antique chair \$75. Redding 332-1092.  
Ham gear: Gonsett phone patch, Heath monitor scope, Shure and EV microphones, new Hy-Gain 40 meter beam, new Heath SB 102, Heath SB 301, SWR bridge coax switch, four new 572Bs. Lindsey 488-0517.  
Trombone, King Liberty \$135. Glover 944-4863.  
Fund day of food, drink, entertainment, all for the price of an MSC Picnic ticket. Camp Manison, Sep 23.  
Adding machine, Remington Rand 10-key, \$37.50. 649-2569.

### DEADLINE FOR NEXT SWAP SHOP:

THURSDAY MAY 18!

Baby stroller, GE sterilizer, potty chair \$10 all. Baker 944-2549.  
Unique hand-made king-size bedspread, gold suede cloth, red trim, like new \$40. Stull 334-3370.  
Rose & gold print king-size bedspread like new \$25. Sears black & white check twin-size bedspread like new \$4. Stull 334-3370.  
Remote control for Teac 4000 series tape deck \$12. Bays 481-4196.  
Small car luggage carrier, like new, \$10. Burton 481-0780.  
Baby bassinet & pad, like new, \$4. Stull 334-3370.  
Ford air conditioner compressor, York, w/clutch, \$35. Brenton 488-4372.  
Elec guitar, Kay Jazzman II, 2 pickups, Bigsby vibrato, 2" hollow body w/plush hard case, \$100 or trade for alum fishing boat, reel recorder. 473-7714 after 5.  
Fur coat, sheared racoon looks like sheared beaver, xint cndn, perfect for northern college girl, make offer. 488-4043.  
Corfam golf shoes 9 1/2 D maroon & black, xint cndn \$10. Bentley 333-3001.  
Clothes: little girl sz 3,4,5, boy sz 6,8 dress & play, lady sz 10 shoes, 2 wigs. Bell 333-2340.  
Rototiller 6hp w/attachments \$115, Ambassador cornet w/case \$45. Eaton 482-3161 Sunday.

Telescope, Criterion, 4 1/2" reflector, 3 eye pieces, xint cndn. 488-4043.  
Junior size ping pong table w/paddles & net \$4, boys ice skates size 5 brand new \$6. 488-4005.

### VEHICLES

70 Suzuki TC90 motorcycle, low mi, xint cndn, many xtras, \$290. Rose 334-3461.

### DEADLINE FOR NEXT SWAP SHOP:

THURSDAY MAY 18!

Bike motorcycle trailer w/tiedown straps \$70. Anderson, 554-5236.  
70 Toyota Corona DeLuxe 2-dr hdt, auto, air, new tires, xint cndn. 695-8432.  
72 Honda 500, pfct cndn, less than 500 ml, \$1270. Bean 483-2311.  
20" boys bike \$10. Forsyth 534-3113.  
71 Suzuki 125 Duster Enduro trail bike, 5-spd, xtras, pfct cndn, like new, \$600 invested, sacrifice \$399 or best offer. Horton 334-2350.  
67 International Travelall wgn, air, pwr brakes, steering, rear window, new tires, \$950. Miller 554-2702.  
67 Honda 300 Super Hawk, easy to start, gd cndn, 2 helmets, \$300. Patterson 482-2011.  
69 VW squareback w/air \$1195. Allison 471-0654.  
62 Chevrolet Belaire 6 cyl, air, make offer. McAnulty 534-3792 after 6.  
71 Chevrolet 1/2-ton Super Cheyenne pick-up, air, pwr, auto, low mi, clean. Fuller 488-3985.  
69 Toyota pickup, 4-spd, clean, \$1295. 485-1515 or 485-1181.  
70 Town & Country Lancelot 14 x 64 mobile home, 2br 1 1/2 bath, cmpltly furnished, low equity & assume notes. 925-6008.  
70 Toyota Corona DeLuxe 4-dr, air, radio, new tires, \$1400. Campbell 923-8883.  
67 Ford Galaxie 500, hi mileage, no air, good mech & body cndn, xint work car, \$650. Remington 331-3719.  
Electric mini-bike loaded w/accessories \$75, girls Sting Ray 20" bike \$25, both gd cndn. Buckel 333-3208.  
72 Mustang, air, pwr steer, radio, heat, \$200 & take up notes, 2 mo old. 333-2491.  
60 Ford Country Sedan, 35.2 V8 engine, fctry ar, pwr steer, gd work car. McBride 534-2066.  
71 Olds 442, air, auto, pwr, disc brakes, more. Schwartz 692-0049.

### WANTED

Four new or good used 600x13 or 650 x13 wsw tires. McPhillips 337-1471.  
Lot suitable for parking 14 x 70 mobile home, need city utilities, location between League City & NASA area, buy or lease. DeFoy, 488-6526.  
Junked freezer for lab project, will haul away & pay junk price. Price 488-3885.  
Bicycle, girls 3- or 10-spd in gd cndn. Buckel 333-3208.  
Want 30" elec range, elec refrig, dinette. Glover 334-2317.

## MSC Personnel Take Part In 43rd Annual Aerospace Medical Meeting

Seventeen MSC physicians and engineers have taken part in the 43rd annual meeting of the Aerospace Medical Association at Bal Harbour, Florida, this week.

They presented papers on various medical aspects of manned space flight, including biomedical findings of recent Apollo missions, and discussions on biomedical programs and experiments scheduled for Skylab.

Papers were presented Monday by Drs. P. C. Johnson and G. W.

Hoffler, C. Gooch, Carolyn Leach, and John Rummel.

New faces on Tuesday's agenda were Drs. Sam Pool, R. H. Shannon and William Thornton, a scientist-astronaut.

On Wednesday, the Skylab panel included Dr. L. F. Dietline, Richard S. Johnston, Dr. W. Royce Hawkins, John C. Stone-sifer, and Dr. Malcolm Smith.

And the Apollo panel yesterday listed, along with Dr. Rummel, Dr. Carter Alexander, Dr. Ben Wooley, Dick Sauer and Dr. Gerald Taylor.

Several thousand aerospace physicians and engineers from government agencies, industry and universities, as well as foreign government and aerospace representatives attended the four-day session at Bal Harbour's Americana Hotel.

## Secretary Meet To Hear Lewallen

Dr. Jay M. Lewallen, special assistant for University Affairs, will be featured speaker at the May 23 meeting of the NASA Clear Lake Chapter, National Secretaries Association.

The meeting, at the Sheraton Kings Inn with hospitality hour 5 to 6, dinner to follow, also will install 1972-73 officers.

Contact for reservations: Virginia Thompson, MSC extension 5473.

## NASA Nights Set at Treehouse For 'Skullduggery'

NASA nights at the Treehouse Cabaret Theatre for "Skullduggery in the Skies" (or "The Gone Patrol") have been set for Thursday, Friday and Saturday, May 25-27.

The old-time melodrama, complete with heroine and villain, is presented at 9 each evening in the Wood Oaks Apartments, 5900 Bissonet.

NASA discount, identification by badge, is 50 cents off the regular \$2 admission. Reservations 774-8351 after 5 or during the day from Alan Glines, MSC extension 2267.

## Volunteer Umps Needed to Help Kids Play Ball

A call for volunteer umpires has come from the Harris County Community Action Association, sponsor of softball activity for pre- and early-teen youngsters who might not otherwise have access to supervised recreation.

The boys' and girls' fast-pitch leagues, already under way, need umpires on Tuesday, Wednesday or Thursday nights or all day on Saturdays.

Games are played at seven different parks around the city.

Contact is Randy Bostic, 741-3290 or 649-8685, for information on playing sites and times.

The HCCA Association will furnish ball-strike indicators and rule books and, Bostic says, will give a quick training course to any volunteer who feels he needs it.

## MSC Picnic Sept 23

## LSU Fetes Faget With Doctorate

Director of Engineering and Development Maxime A. Faget will receive an honorary doctor of engineering degree from Louisiana State University in Baton Rouge during spring commencement exercises May 27.

Faget is an alumnus of LSU and holds a bachelor of science degree in mechanical engineering.

Faget also holds an honorary doctorate of engineering from the



SMILES FOR SNOOPY—Jessie I. Macpherson is all smiles over the silver Snoopy award given her by Astronaut Dave Scott in recognition of her work in the manned space program. She also could be happy because she just retired after 24 years of civil service, the last several as head of the Mail and Records Office for the manager of Safety, Reliability and Quality Assurance.

## Cost Reduction Corner

Vacuum chamber tests requiring a high level of cleanliness necessitated special procedures to minimize condensation and molecular contamination of ultra-clean surfaces. In hopes of cutting chamber preparation and repressurization time from 60 hours, a temporary plumbing connection was made to allow experimental purging with hot gaseous nitrogen.

Robert L. Anderson, Engineering Operations Branch of E&D, reports the results as: time reduced to 28 hours, \$2835 spent on the temporary and now-permanent plumbing, \$3500 for additional liquid nitrogen for five faster chamber warmups that saved 9120 manhours.

Savings to John Q. Taxpayer: \$84,865.

# Those Marvelous Men and Their Moon Machines . . .



WELCOME HOME, APOLLO 16 — Returning astronauts Duke, Mattingly and Young found not only their families waiting for them at Ellington AFB but also, among the many distinguished official greeters, Congressman Bob Casey, whose legislative district takes in the Manned Spacecraft Center. The homecoming trio brought back to Earth not only 200-plus pounds of rock and soil samples, but a lot of good photography. Below left, for example, is one of the biggest lunar boulders ever seen by man, dwarfing Mission Commander John Young. As Young

reached into a hole under the boulder to take a soil sample, LM Pilot Charley Duke quipped "You do that in West Texas and you get a rattlesnake." Duke shot Young again at the Apollo lunar surface experiments package deployment site, below right, and once again, bottom left, as "Johnny Lightning" ripped the rover over a dusty track in the first lunar "Grand Prix." Duke got into the picture himself as he worked near the rover, bottom right, at Stone Mountain. Palmetto Crater shows faintly about half an inch above the rover's right rear wheel.

