

At Mississippi NASA facility

NPS scientists use space technology to protect earth's natural resources

Rising out of the southern Mississippi pine woods along the Pearl River is the National Space Technology Laboratories of the National Aeronautics and Space Administration (NASA). The facility was originally built to test fire and certify for flight the Saturn rocket engines used in America's Apollo Space Program.

The last wisp of smoke, the last roar of engines was heard over this Gulf Coast resort area in November 1970. It appeared that the site would be closed. There were, however, those who envisioned a program change rather than a close down. It was a program of using space technology for solving down-to-earth problems of ecology, pollution

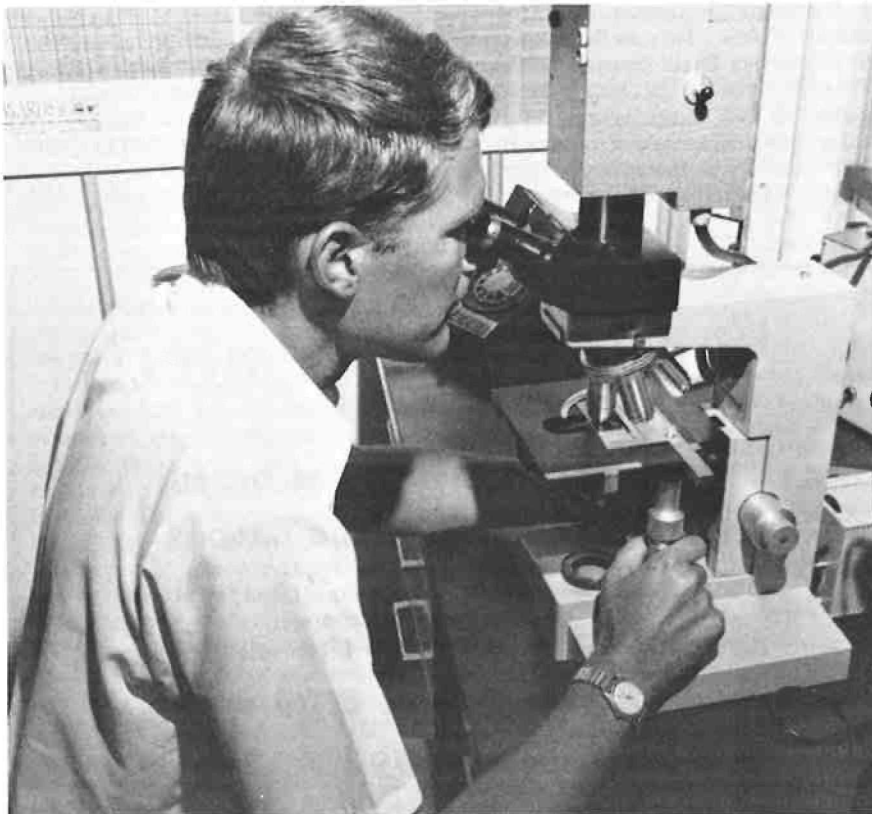
and environmental management. It was a program which would involve federal and state agencies working together.

The first unit of the National Park Service to begin work at the facility was the Southeast Ecological Services Laboratory headed by Dr. Clyde Hurst. It was originally designed to handle applied research in urban pollution problems as they might affect urban parks or parks with urban-type problems. Other early projects included stream pollution in Great Smoky Mountains National Park and biological control and elimination of exotic plants in Everglades and Great Smoky Mountains National Parks.

In January of this year, new emphasis was placed on the Service-wide science program with the creation of the National Park Service Science Center. Director Ronald H. Walker, in making the announcement, said: "The facility gives NPS a unique opportunity to develop a true science center oriented to management-type problems and at the same time provides a central facility for other NPS scientists and managers to call upon for expert assistance." He appointed a task force of park managers and representatives from the other service centers at Denver and Harpers Ferry. These were given the task of designing the program for the science center, a program which for the first time gave park managers an opportunity to say what they needed and expected from their science program.

Added to the already functioning Ecological Services Laboratory was the Division of Natural Landmarks and Theme Studies from the office

(Continued on Page 2)



Dr. Donald Gardner, research plant pathologist of the Ecological Services Division, viewing a fungal isolate with a compound light microscope.



Dr. Dennis B. Fenn, research soil scientist of the Ecological Services Division, placing soil samples in a drying oven to study their drying properties.

of the chief scientist, WASO. The entire staff moved to Mississippi, including Frank Ugolini, chief of the division, Gary Waggoner, botanist, Craig Shafer, biologist, and Shirley Martin, secretary. Their work continues to be that of evaluating natural landmarks proposals and conducting regional studies to provide a logical and scientific basis for the selection of natural landmarks and new additions to the National Park System.

Coordination of research at seven universities was also added as a part of the function of the center. These Cooperative Park Studies Units (CPSU) are engaged in a variety of research efforts designed to get information for future management decisions. The eighth CPSU was recently established at Western Carolina University. Basic work there will be gathering of resource information for Great Smokies and Blue Ridge Parkway and extending the capabilities of the Division of Natural Landmarks and Theme Studies.

Other CPSU's are engaged in carrying capacity studies (Penn State), land classification studies (American University), dunes stabilization and seashore dynamics (University of Virginia), pollution effects on park vegetation (University of Minnesota), behavioral studies of park visitors (University

of Denver and Georgia State University), and development of a management information system (University of Georgia).

The third division of the science center is new. This is the division of Resources Basic Inventory (RBI). This division is charged with the gathering and computerizing of all natural and behavioral resource information about the parks in forms readily accessible for management

decisions. An RBI for master planning in the Great Smoky Mountains National Park was the first pilot project undertaken by this division. A similar study for Delaware Water Gap National Recreation Area will be started soon.

Coordination of the Servicewide Earth Resources Observation System (EROS) program will also come from the RBI division. EROS inventories and monitors earth resources such as vegetation and wildlife through the use of satellite and aircraft imagery.

What is in the immediate future for the Center? It is best summed up by Dr. Garrett Smathers, chief scientist for the Science Center.

"Now the Park Service has the opportunity to do all those wonderful things that it has wanted to do for so long.

"With space age technology we can now inventory, computerize and display, in an ecological manner, the park resources for wise planning and resources management operation.

"The most fabulous feature of this capability is that once the park's ecological atlas (RBI) is prepared, it can be updated in a matter of weeks or months on a programmed basis.

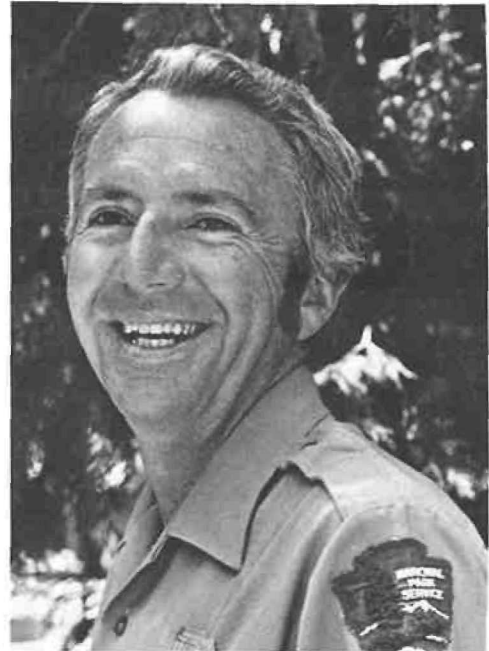
"Vibrations are strong that the National Park Service is becoming a lead agency in the use of modern technology for doing definitive land use planning, both at the park and regional levels. Our future is bright, and we look forward to a long and eventful relationship with NASA."

'Sierra' TV premier

**The new television series based
on the adventures of the national
park rangers in "Sierra," a mythical
national park, goes on the air
Thursday, Sept. 12 at 8:00 p.m. EDT
over the NBC Network. (See Page 3)**

Let's Make a Difference

'Sierra' to bring NPS story to public



Jack Morehead

Soon after Director Walker named me to be the NPS liaison with Mark VII Universal Studios, producers of the "Sierra" series being filmed in Yosemite, I sat down with two real experts in this kind of work.

They were the FBI agents who acted as that agency's liaison during the nine-year running of the very popular TV series, "The FBI." They gave me good counsel and a lot of advice, but most important, they said, "Jack, the worst critics of this series are going to be your own rangers; the ones whose 'lives and experiences' are being portrayed. Our FBI agents used to watch that show and say, in effect: 'We never had that kind of case, week after week. We didn't do it exactly that way.' They nit-picked every little detail."

But the public loved it, and "The FBI" became one of television's most successful series. It also became an unexpected boon for the FBI, the agents told me, because it opened doors more easily to their people by the public which came to respect and understand the law enforcement duties involved. Secondly, and equally important, it made a substantial difference in their recruiting efforts. Many highly qualified, excellent young men were "turned on" by the series and made application to the FBI.

I came to this job from that of chief ranger in Yosemite, and I can tell you I certainly was not over confident nor even particularly enthused about my assignment. I have now been working with the filming crew and the actors for nearly five months. I have discussed the series, its problems, and its potential benefits with many people, both in Washington and the field. I have formed some opinions about the series and Director Walker has asked that I share these opinions with you in the hope that it will increase your understanding of what is going on and why the National Park Service has authorized Universal to make this series.

First of all, most of us in the field would probably prefer that each weekly show be an hour-long documentary on how beautiful the parks are, how great and irreplaceable their values are, and how sensitive, intelligent, and skilled all we park employees are. Sorry—I don't think you're going to see that. Universal is making this film primarily for entertainment purposes. It has to sell to the American public (mostly urban people) therefore, it has to be

exciting, dramatic (sometimes bizarre) and contain a certain amount of humor. Particularly in the first year, the show will be based on "action" episodes such as rock and river rescues, mountain climbing, scuba diving sequences, and so on. Comedy will be an important part of each show, as will a running bit with a permanent problem character, "Cruncher," the bear. The incidents portrayed are all based on actual happenings; however, they will be compressed in a way to provide more continuous excitement. In other words, a typical day in the life of a ranger probably would not provide enough excitement for a television series to sell. But, if you took all the exciting elements over a 10-year history of a particular park, you would surely have enough excitement to catch the public interest.

My job as NPS technical advisor to Universal for this series is not to tell them what incidents they can show. As long as the incident has happened in a National Park, or could feasibly happen, they have permission to use it. Instead, my function is to advise them as to how the National Park Service would respond to such an incident, to advise them in all technical matters, and to insure that the National Park Service is not portrayed in a negative manner. Some things you will see are not entirely accurate. For example, the chief ranger in this series is portrayed almost like a park superintendent. In the series he will have control of maintenance, interpretation, and administrative functions whenever these are mentioned. The stars of the series, the park rangers, will be a superman composite of field ranger, skilled interpreter, research biologist, human psychologist, sociologist, and humorist. To us, they may not be entirely believable.

Now as to benefits—it is my hope (and certainly that of Director Walker) that this series will be of positive benefit to everyone working in the National Park Service. If 40 million people, especially youngsters, can be made more aware of national parks and the park ranger, it is hoped that this alone will justify the series. The very fact that many urban people will recognize a park ranger and want to talk to him could be the most important factor. For example, it will be very interesting to see if there is a nationwide increase in the attendance at our interpretive

(Continued on Page 4)

programs because of this series. Don't laugh yet—it really could happen. Right now, many people coming to parks have never before seen a park ranger and don't realize what a "hero" he is. This series could make that difference.

Director Walker has expressed a great interest in feedback from the field, positive or negative, in this regard. You, as employees of the National Park Service, can be an important part in contributing to the benefit this series has to the Service. The biggest problem in the series right now is material for the writers. They need interesting exciting story material, but they need material that tells the public the positive aspects of our jobs. Universal is trying to stay away from law enforcement, as they feel there are too many cops and robbers shows on the air already. Unless a law enforcement related story is unique to park areas and could not be duplicated in a city, it would probably not be used. Whenever any group of Park

Service people gets together, it seems there are stories swapped that should make fantastic filming material. Please submit any of these to Bill Everhart, WASO, for consideration.

Don't sit back and gripe about what the show is not doing; instead, contribute to what you feel the show should do for the Service. It is easy to nit-pick; it is more constructive to provide input. Through Director Walker, I am asking you, as individuals, to make the difference.

Jack Morehead

Volcano house nominated to National Register

Historic Old Volcano House in Hawaii Volcanoes National Park is being converted from an abandoned dormitory into a local art center by the Volcano Arts Association.

The Western Regional director has nominated Old Volcano House

for inclusion in the National Register of Historic Places.

Boone Morrison, executive director of the Volcano Arts Association, said his organization planned to use the facility "to foster the creative

arts through exhibition, demonstrations and informal classes."

"The structure will serve as an art center, probably for several years, but we are keeping open the option of converting the building to an historic museum at some later date," said Superintendent Brian Harry.

Old Volcano House was erected in 1877 to replace a grass hut. The site was used for many years by tourists coming to view the volcano, Superintendent Harry said.

Recently a group of local artists has set up displays of their works in the structure which was built in 1877 but abandoned in 1972. For thirty years, from 1942-72, the Old Volcano House was utilized as sleeping quarters for concessioner employees.

Proposed partial renovations include removal of a portico, shed and roof partition and addition of surface-mounted electrical wiring. In addition, cleaning and other minor repairs are planned. NPS Historian Russell A. Apple will oversee this work to assure the protection of the historic values of the house.

Membership in the Volcano Art Center will be open to resident professional artists and craftsmen, students and members of the interested public. The Volcano Arts Association plans to use the house for a gallery, office space, studios and storage.



Volcano House

Save your lard buckets for Wind Cave

Naturalists at Wind Cave National Park, S.D. have brought back into use a device from earlier times—the lard bucket candle holder—to light the popular candlelight tours.

In 1958, a spelunker named John Boni had apparently been exploring in Wind Cave when he discovered some lard buckets which had been used by previous visitors.

These were given to the National Park Service, but were not

catalogued into the Wind Cave historical register until 1972.

Around the turn of the century, it is believed, guides fashioned the buckets into candleholders and used them to light their tours.

Now, Wind Cave has reintroduced the lard bucket and is conducting tours reminiscent of bygone days.

For several years the park used candleholders fashioned of a square piece of wood one inch thick and a

short length of pipe for a handle.

But these had disadvantages. Wax from the candles dripping on the cave floor caused an unnatural growth of mold, while visitors seeking closer looks would often get too close and leave unsightly carbon deposits on the walls. There was also the hazard of hot wax dropping on visitors' arms and hands.

Once easy to find, lard buckets are not in common use today, and locating a source took some time. But this spring 120 were shipped to the park, contributed by John Morrell and Company of Sioux Falls, S.D.

During the summer, Wind Cave offers five varieties of cave tours, including a four hour spelunking tour conducted daily.

Introduction of the old time lard bucket has added authenticity to candlelight tours while at the same time promoting safety and helping to preserve the resource.

Brown assigned to Sagamore Hill

James L. Brown, supervisory park ranger at Antietam National Battlefield Site in Maryland, has been named superintendent of Sagamore Hill National Historic Site, the Long Island, N.Y., home of President Theodore Roosevelt.

Brown succeeds Mrs. Betty Gentry, who has accepted a position with the Service's Southwest Regional Office in Santa Fe, N.M.

Under Brown's administration will be "Sagamore Hill," the 22-room Victorian frame and brick house built by Theodore Roosevelt in 1884-1885.

Brown, from Long Beach, Calif., joined the National Park Service in 1967 as a seasonal park ranger. His first assignments included Organ Pipe Cactus National Monument, Ariz., Yellowstone National Park, and Chiricahua National Monument, Ariz.

From 1968 to 1972, he served as a park ranger at Natchez Trace Parkway, Miss., and at Blue Ridge Parkway, N.C.

In 1972, Brown was transferred to Antietam National Battlefield, where he served as supervisory park ranger and chief, division of interpretation, recreation and resource management.



Park Technician L.W. Frederick displays early and present-day lard bucket candle holders.

New superintendent at Statue of Liberty

Luis E. Garcia-Curbelo, a native of Santurce, Puerto Rico, and a National Park Service employee since 1965, has been named superintendent of Statue of Liberty National Monument, N.Y.-N.J.

As superintendent of a national monument that attracts over one million visitors yearly, Garcia will direct the day-to-day operations of the monument and island with its famous Statue of Liberty.

Also under Garcia's supervision will be numerous visitor programs, student activities, ethnic exhibits and festivals, and upcoming Bicen-

tennial programs planned at the monument which is one of the 23 official NPS Bicentennial areas. Included in the island's facilities is the story of immigration to the United States in a series of over 200 exhibits, making this the Service's largest single museum.

The new superintendent joined the Park Service as a construction and maintenance representative at San Juan National Historic Site, San Juan, P.R., and in 1971 was named maintenance specialist at Navajo Lands Group, Farmington, New Mexico.

Report on Yellowstone grizzly study rejects "facing extinction" charge

There is no convincing evidence that the grizzly bears in the Yellowstone ecosystem are in immediate danger of extinction. From the point of view of the wildlife enthusiast, that was the most important conclusion coming from the prestigious "Committee on the Yellowstone Grizzlies" set up by the National Academy of Sciences.

The National Academy of Sciences had been asked to undertake the full scale study of existing data by Secretary of the Interior Rogers C.B. Morton, in an effort to resolve the controversy swirling around the NPS decision to stop the garbage dump feeding of grizzly bears. Grizzly bear researchers F.C. and J.J. Craighead had stated that the NPS policy was leading to starvation of the grizzlies, long accustomed to feeding on the park garbage dump handouts. NPS biologists insisted that the removal of the artificial food source simply forced the grizzlies to return to natural foods. The return to a more natural regimen would improve Yellowstone grizzly management in many ways, mainly by reducing the incidence of human contact with the big bears.

Although the select committee found that there was a shortage of dependable information on grizzly bear numbers, they reported that there were more grizzlies than those observed around the garbage dumps before the NPS closed them.

Other sections of the report criticized the NPS for not carrying on a research program with marked animals. The select committee rejected the NPS contention that individual grizzlies are so identifiable that it would not be necessary to mark animals for research purposes.

In its recommendations for management the select committee urged the formation of a non-government coordinating committee to oversee a research effort that would include the entire Yellowstone ecosystem, an area considerably larger than Yellowstone National Park. The coordinating committee would include representatives of all Federal, State and



Ursus horribilis

Private organizations that have an interest in the grizzly bear in the Yellowstone ecosystem.

The select committee also called for an increase in research into the dynamics of grizzly populations in the entire ecosystem comprising the high country of the Yellowstone and Grand Teton National Parks and the private and public lands surrounding this high plateau;

recommended that the U.S. Forest Service phase out the sheep permits which provide sheep grazing on high country lands in the ecosystem; agreed with the NPS that the sudden closure of the dump areas did not constitute a threat of starvation to the bears; and called upon the surrounding states to cut down the number of grizzlies killed outside of the park to 10 per year.

Archeological center at Tucson gets new chief

Mrs. Carol A. Martin has been appointed chief of the Arizona Archeological Center in Tucson. Since 1971, she has been superintendent of Tuzigoot National Monument at Clarkdale, Ariz.

Mrs. Martin joined the Service in 1965 as a clerk-typist at Tuzigoot, serving in administrative capacities first at the Monument and later at Custer Battlefield National Monument, Mont., before returning to the park as superintendent three years ago.

A native of Los Angeles, Mrs. Martin attended high school in Redlands, and was graduated magna cum laude and a Phi Beta Kappa, from Occidental College, Eagle Rock,

Calif., in 1957, as a Spanish language major.

As chief of the Archeological Center, she will supervise 67 professional, technical and administrative staff members. The Center conducts, or contracts for archeological studies in National Park areas in Arizona, California, Nevada and Hawaii.

The Center also manages archeological salvage contracts and oversees the preservation and stabilization of prehistoric and historic properties of the Service in the desert Southwest, California and Hawaii. In addition, the Center provides a full range of archeological services to other agencies in the four-state Western Region.

Hendrickson to supervise NPS New York City group

William H. Hendrickson has been named superintendent of the Service's New York City Group, which administers seven historic sites in the Manhattan area.

Under Hendrickson's direction will be such historic sites as Fed-

Dale assigned to Coronado NM

Laurel W. Dale, a 14-year National Park Service veteran, has been named superintendent of Coronado National Memorial, Ariz.

Dale succeeds Hugo Huntzinger, who recently was appointed superintendent of Haleakala National Park, Hawaii. Dale has served as manager of the NPS Oxon Hill Children's Farm in suburban Maryland since 1969.

Dale joined the Park Service in 1964 as a seasonal park ranger at Glacier National Park, Mont., becoming a permanent park ranger there in 1960. He later served two years as park ranger at Everglades National Park, Fla.

eral Hall, where Washington took his oath of office; Hamilton Grange National Memorial, home of Alexander Hamilton and one of the few Federal Period houses still standing in New York City; Theodore Roosevelt Birthplace National Historic Site; General Grant National Memorial; Sagamore Hill National Historic Site, the 22-room Victorian structure built by Theodore Roosevelt during 1884-85; and Statue of Liberty National Monument.

Hendrickson has served as acting deputy director of the Southeast Region in Atlanta, Ga. since 1973 as well as associate director for professional support there. Prior to his assignments in Atlanta, he was resource management coordinator for Everglades National Park, Fla.

Other assignments during his two years with the National Park Service have included four years as research biologist at Yellowstone National Park.

Design, Guideline, and Trends, the NPS Park Practice publications, are available free to all NPS offices through the Division of Federal, State and Private Liaison, WASO.

New supplement to National Register now available

The "National Register of Historic Places—Supplement 1974," a 664-page volume of facts, photos, and illustrations is now available to the public.

The hardcover book, subdivided by states, describes 3,500 additional historic properties recognized as elements of the Nation's heritage worthy of attention and preservation. The sites, which are as diverse as Nathaniel Hawthorn's "House of Seven Gables" and the Apollo launch complex of the first lunar landing, are deemed representative of the Nation's history, architecture, archeology, or culture.

It contains descriptions of properties added to the National Register between July 1, 1971, and June 30, 1973. Properties on the Register prior to July 1, 1971 are described in the 1972 edition.

Both volumes may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. "The National Register of Historic Places—1972" (stock number 2405-0294) is available for \$9.65. The 1974 Supplement (stock number 2405-00542) costs \$9.45.

Secretary names 7 to Foundation Board

Secretary Rogers C.B. Morton has named seven persons to serve for six-year terms as members of the Board of the National Park Foundation.

The new members are: Lamar Hunt, a vice president of Hunt Oil Company and owner and president of the Kansas City Chiefs; Donald M.B. Thurber, president of Public Relations Counselors, Inc., of Detroit and former member of the National Park Trust Fund Board; Gordon P. Street Jr., president of North American Royalties, Inc., of Chattanooga, Tenn. and member of the Tennessee Conservation Commission; Ogden Mills Phipps, a director of Bessemer Securities Corporation of New York City, chairman of the Florida Game and

Fresh Water Fish Commission and a commissioner of the Florida Wildlife Federation.

Also named were: Homer L. Luther Jr., chairman of the Eagle Management and Trust Company of Houston, Texas; Scott McVay, executive director of the Robert Sterling Clark Foundation of New York City, chairman of the Commission on Whales of the Environmental Defense Fund and member of the Board of the World Wildlife Fund; and Dan W. Lufkin, chairman of Donaldson, Lufkin and Jenrette, Inc. of New York City and former commissioner of the Department of Environmental Protection of Connecticut.

The National Park Foundation is a non-profit corporation which pro-

vides a means for the private sector to support activities of the National Park Service. The Foundation purchases and holds vital tracts of land of national park quality until such time as Congress authorizes their inclusion in the National Park System. In addition, the Foundation has developed environmental education materials for kindergarten through eighth grade, as well as funding of other special NPS programs.

The Foundation is governed by a Board of fifteen members from the private sector appointed by the Secretary of the Interior. The Secretary serves as chairman of the board and the Director of NPS serves as secretary of the board.

People on the move

(Back by popular demand)

New faces

BANKS, Fred, Jr., to Pk Tech, Area I, NCP
 CHAMBERS, Mary M., to Clk-Typist, Hot Springs NP
 CLAYTON, Karl A., to Guard, NCP
 DABILL, Timothy C., to Engineer Equip Oper, Lassen NP
 FELLOWS, Oscar L., to Electrician, Grand Canyon NP
 GRIFFITH, Charles R., to Engineer Equip Oper, Shenandoah NP
 JIGGETTS, Calvin A., to Laborer, Petersburg NB
 KLUKAS, Richard W., to Pk Ranger, Assoc Reg Dir, Pk Syst Mgmt, SERO
 LEE, Candy D., to Clk-Steno, Assoc Reg Dir, Pk Syst Mgmt, PNRO
 MAJEWSKI, Catherine E., to Clk-Typist, Alaska State Dir
 MATHEWS, Fleming W., to Private, US Pk Police
 NEWBERG, Noel M., to Electronic Equip Oper, Yellowstone NP
 NORRIS, K. Melody, to Sec, Assoc Reg Dir, Prof Serv, WRO
 ORTEGA, Edward, to Emp Devel & Class Spec, Assoc Reg Dir, Admin, SWRO
 PICKETT, Robert D., to Lab Tech, Zion NP
 POE, William L., to Comput Programmer, Prog Control Div, WASO
 REID, Sharon G., to Clk-Typist, Mount Rainier NP
 RIVERA, Cecilia C., to Equal Oppt Clk, Assoc Reg Dir, Admin, SWRO
 SCHRATER, Robert, to Custodian, Saugus Iron Wks NHS
 SEALE, William, to Historian, Assoc Dir Prof Serv, NCP
 SMITH, Dianne, to Clk-Steno, Assoc Reg Dir, Pk Syst Mgmt, RMRO
 TARLETON, Elaine S., to Card Punch Oper, Assoc Reg Dir, Admin, SERO
 VALENTINE, Jerome, to Janitor, Area III, NCP
 VILLARREAL, Rodolfo S., to Laborer, Padre Island NS
 VOLLMER, Daniel J., to Electrician, JNEM
 WASHINGTON, Carletha B., to Staff Clk, NCP

New places

ALLEN, Raymond R., Supv Cartographic Tech, MWRO, to Assoc Reg Dir, Pk Syst Mgmt, MWRO
 ARNBERGER, Robert L., Pk Ranger, Ft Union NM, to Supv Pk Ranger Buffalo NR
 BATES, Paula Jo, Pk Tech, Navajo NM, to Admin Clk, Ft Davis NHS
 BIENVENU, Lionel J., Pk Mgr, Pea Ridge NMP, to Same, Chalmette NHP
 BRADSHAW, James W., Propt Mgmt Asst, Grand Canyon NP, to Propt Mgmt Spec, PNRO

CEDERSTROM, Terry K., State Plan Spec, Div Natl Reg, WASO, to Same, Resource Staff, WASO
 CHRISTOPHER, Francis C., Gen Supply Asst, Isle Royale NP, to Supv Inventory Mgmt Spec, Yellowstone NP
 CLARK, James E., Jr., Tree Worker, Zion NP, to Motor Vehicle Oper, Glen Canyon, NRA
 DOLSEY, Veronica Olivia, Sec, Natl Visitor Ctr, NCP, to Pk Tech, NCP
 GORDON, Paul R., Pk Ranger, Great Smoky Mtns NP, to Same, Grant-Kohrs Ranch NHS
 GRIFFITHS, Kyra P., Pk Tech, Golden Gate NRA, to Same, WRO
 HANCOCK, Maxwell E., Supv Pk Ranger, Platt NP, to Same, Padre Island NS
 HARNEY, Robert L., Supv Pk Ranger, Area II, NCP, to Pk Mgr, Prince William Forest Pk
 HARRIS, Chester O., Pk Mgr, Natl Visit Ctr, to Pk Ranger, Assoc Reg Dir, Pk Syst Mgmt, MARO
 HEWITT, Arthur F., Jr., Supv Pk Ranger, Hawaii Volcanoes NP, to Pk Ranger, Assoc Reg Dir, Pk Syst Mgmt, MARO
 HUBBARD, Herbert L., Supply Tech, Carlsbad Caverns NP, to Proc Agent, SWRO
 HUNTER, John D., Pk Mgr, Stones River NB, to Same, Bandelier NM
 KALLOP, Edward L., Jr., Museum Curator, Statue of Liberty NM, to Staff Curator, Assoc Reg Dir, Pk Syst Mgmt, NARO
 KEELER, Marilyn A., Admin Asst, WASO, to Same, Golden Gate NRA
 KEELING, Myrna J., Admin Tech, Chiricahua NM, to Admin Asst, Branch Train & Devel, WASO
 KING, John H., Jr., Admin Asst, Blue Ridge Pkwy, to Admin Off, Chickamauga & Chattanooga NMP

LUTNEY, Robert S., Chief, Off Prog Mgmt, Admin Serv, DSC, to Physical Science Admin, Assoc Reg Dir, Prof Serv, PNRO
 LUSK, H. Gilbert, Supv Pk Ranger, Blue Ridge Pkwy, to Pk Mgr, Appomattox Court House NHP
 MATTHEWS, Jean W., Writer, Spec Resource Staffs, WASO, to Same, South Florida Environ Studies
 MONTGOMERY, Jon B., Pk Mgr, Manhattan Prop, to Mgmt Asst, Delaware Water Gap NRA
 MUNSON, Paul M., Jr., Concession Mgmt Spec, Prog & Budget, to Concession Spec, Assoc Reg Dir, Pk Syst Mgmt, MARO
 PHILLIPS, Frank, Interpt Projects Spec, Div Exhibits, HFC, to Same, JNEM
 PHILLIPS, William E., Grnds Maint Gen Foremn, Area II, NCP, to Facilities Maint Gen Foremn, Greenbelt Pk, NCP
 RECTOR, Roger K., Prog Spec, Independence NHP, to Pk Mgr, Colonial NHP
 REYER, Eldon G., Pk Mgr, Customer Battlefield NM, to Pk Planner, Legis Div, WASO
 SHERMAN, William A., Pk Ranger, Everglades NP, to Same, Delaware Water Gap NRA
 SHORT, Ernestine L., Clk-Steno, NCP-West, to Pk Tech, NCP
 SORENSON, Harvey D., Supv Pk Ranger, Petrified forest NP, to Same, Chesapeake & Ohio Canal NHP
 SWOFFORD, Gerald E., Pk Ranger, Vicksburg NMP, to Concessions Spec, Assoc Reg Dir, Pk Syst Mgmt, NARO
 WATSON, Barbara F., Computer Spec, Syst Design Div, WASO, to Proc Analyst, Land Acquis Div, WASO
 WIESEMANN, Peggy A., Sec, Asst Dir Concessions, WASO, to Legis Staff Tech, Assoc Dir Coop Act, NCP
 YANISH, Howard E., Pk Gech, Yosemite NP, to Pk Ranger, Delaware Water Gap NRA

Out of the traces

ALLDREDGE, Rendel B., Policy Analyst, Resource Staff, WASO
 BERNIER, Anthony, Gen Supply Asst, Virgin Islands NP
 BESSINGER, Michele L., Pk Aid, Grand Canyon NP
 CRITCHLEY, David R., Private, US Pk Police
 EVANS, B. Lorine, Clk-Typist, Hot Springs NP
 EWEN, Robert I., Elect Tech, Blue Ridge Pkwy
 FOWLES, Barbara D., Sec, NCP
 GORMAN, Zita M., Clk-Steno, Lands Div, Cape Cod Off, NAR
 HEHR, Arthur, Pk Mgr, Chalmette NHP
 HUNT, Herbert W. Jr., Supv Pk Ranger, Channel Islands NM
 MARTIN, Ben E., Pk Ranger, Wind Cave NP
 MCGUIRE, Cruz R., Pk Tech, Amistad RA
 MILLER, Jesse F., Sr., Sewage Treatmt Plnt Oper, Whiskeytown NRA
 MONCADA, Jesus D., Pk Tech, Joshua Tree NM
 NEWELL, Joanne P., Admin Clk, Grand Canyon NP
 QUINLAN, Dorothy A., Clk-Typist, Assoc Reg Dir Admin, RATTEENNE, Edward B., Laborer, Edison NHS
 REED, Naomi V., Janitor, Harpers Ferry NHP
 RIMBEY, Clyde R., Engineer Equip Oper Foreman, Rocky Mountain NP
 ROONEY, Kevin, Guard, US Pk Police
 ROTH, John L., Maint Worker, Organ Pipe Cactus NM
 RUSTIN, Beverly D., Sec, Assoc Reg Dir, Prof Serv, SERO
 SHIEF, Bernardine B., Clk-Steno, Assoc Dir Coop Act, NCP
 SITES, George L., Pk Ranger, Biscayne NM
 SMITH, Joan L., Personnel Asst, Div Personnel, NCP
 VALENCIA, Antonio D., Maint Foremn, Bandelier NM
 VARELA, Tom, Gen Serv Off, Assoc Reg Dir, Admin, RMRO
 VOSS, Florence R., Prog Asst, Duluth Lands Off, MWRO
 WALKER, Carl O., Admin Off, Assoc Reg Dir Admin, SWRO



U.S. Department of the Interior
 Secretary Rogers C.B. Morton
 National Park Service
 Director Ronald H. Walker



Issued biweekly. Edited and published by the Office of Public Affairs.

Al Rayford.....Editor
 Daniel S. Hughes.....Assistant Editor
 Glenn Snyder.....Art Editor
 Ronnie Spiewak.....Editorial Clerk

Department of the Interior, National Park Service, Wash.D.C.
 20240. Tel. (202) 343-4481.