



Bighorn sheep restored to Zion Canyon



Ancient petroglyphs attest to bighorns' past presence in Zion.

By Sue Edelstein
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Rocky Mountain Region

A remote canyon of Zion National Park is echoing to the bleats of bighorn sheep for the first time in nearly 25 years as the latest step in a wildlife restoration effort that has for 4 years teetered on the brink of success.

That success isn't yet assured, but the wildlife biologists of the Utah Division of Wildlife Resources and the Park Service are hopeful that the animals will quickly adapt to their new home among the towering red and white sandstone cliffs.

Most of the eight animals moved by helicopter were bred in Zion in a closely monitored 80-acre enclosure near the park's visitor center in Zion Canyon. Seven were offspring of a group of 12 animals donated through the Nevada Department of Fish and Game and Lake Mead National Recreation Area in 1973; one was a member of the original band. The Park Service hopes to move six more animals to the canyon soon, and will leave seven behind as a seed herd.

The State gets the next group of sheep, hopefully available a year from now, and will

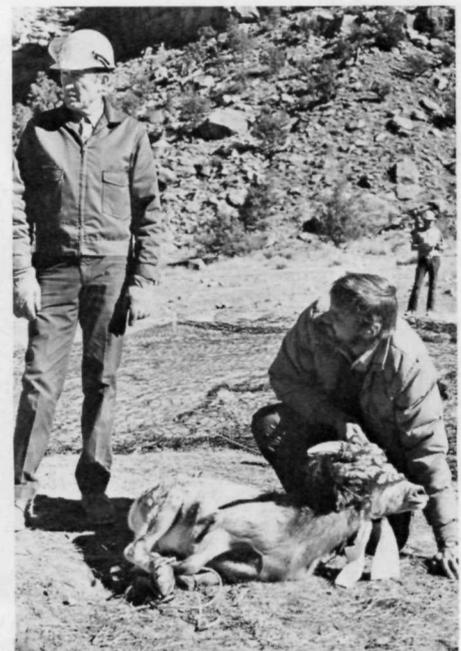
probably relocate them in southwestern Utah. Regional Game Manager Floyd Coles of Cedar City, involved since the project's inception, hopes that eventually the State will be able to manage a herd of the animals in the area for hunting.

The National Park Service, with its goal of preserving parkland in its natural state, is restoring the animals because they were native to the area. Desert Bighorn closely related to these were sighted in the park from the time the area was settled until the early 1950s. Park Superintendent Robert Heyder hopes that the animals will take hold and that eventually park visitors will be treated to the sight of the sheep scrambling over rocky ledges or watering at springs in the canyons.

Management has been a tightrope act in recent months for the biologists involved, explains NPS's Hank McCutchen, the Zion wild-

(Cont'd. p. 2.)

Tied bighorn settle down when blindfolded.



life specialist who has spent so much time monitoring the sheep that people tease him about his "children." The goal has been to nurture as many animals as possible without precipitating poor health by exceeding the limited capacity of the enclosure.

There have been problems, most seemingly caused directly or indirectly by the stress of the limited space. Several animals have been lost over a 3-year period from disease or fighting that seems to be related to the enclosure. The presence of 20 sheep this winter created great pressure to transplant before it became dangerous to transport the pregnant ewes.

The first group moved seemed to be healthy, if shaken, by the time they reached their new home. They will spend up to 3 weeks in a roomy, fenced area in the canyon, closely monitored by park personnel who will camp out keeping watch. Once the animals have established bedding sites and trails and have become familiar with the area, the fence that has protected them from predators will come down. Zion National Park will again have wild sheep.

The transplant operation was a patience-testing one, with the animals acting unpredictably and confounding "Daddy" McCutchen, who had predicted that by 9 a.m. they'd be feeding under the net he'd set up. But the morning was cold and windy and the sheep huddled among the trees until nearly noon before they walked into the baited trap.

Once the net fell, a small army of wildlife managers, rangers, and maintenance personnel sprang into action. The sheep were tied by three feet, blindfolded, and slipped into canvas bags, after which they were treated in pairs to a quick 5-minute helicopter lift to their new home.

Everything didn't go as planned. Several sheep managed to get out of the tangled net,



Crews unloading sheep at Parunuweap.

and the chopper so terrified the animals that they were difficult to handle at the other end. But for an experiment with so many variables and with an animal about which so little is known, optimism prevailed.

Other bighorn transplant operations are underway in several parts of the country, including southeastern Utah, California, New Mexico, and Texas, with varying methods and success.

Other kinds of wildlife have been moved, with a variety of management goals, since the turn of the century. Unpredictability always presides. At Isle Royale National Park, Mich., Canadian wolves migrated across an icy lake to the park, wiped out a group of animals pre-

viously transplanted by the Park Service and re-established *themselves!* Most American elk herds are descended from the animals at Yellowstone, from which they were transplanted after elk in other regions had been wiped out during westward expansion.

At Zion, there's no predicting the outcome. But for now, wildlife managers are sure that the remainder of the animals needed for the new canyon herd can be transferred soon, indicators are that Utah will be able to transplant animals from the seed herd, and a park visitor who happened by all the commotion was tickled that Zion would have yet another attraction for its 1.2 million annual visitors . . . "it's such a great place already," he chuckled.

Denver architects honored



(From left) T. Russell Jones, historical architect, George A. Thorson, historical architect, and Robert F. Smith, project supervisor, Bent's Old Fort.

Denver Service Center Project Architect George A. Thorson and contract architects, URS, Inc., have been presented a special preservation award for the reconstruction of Bent's Old Ford National Historic Site, Colo.

The award, presented by the Colorado Society of The American Institute of Architects recognizes the time and effort devoted to the preservation of America's architectural heritage. "It has been said that we can have no future if we have no roots in the past," reminded John Teneyck, president of the Colorado Society.

The "new" fort was dedicated in July with nearly 5,000 people participating in colorful activities that included singing, Indian dancing, a barbecue and an authentic frontier-style camp-out, complete with tepees and buckskins. During the 1830s and 1840s, Bent's Fort was important in the opening of the Southwest, serving as a trading post, a way station for travelers, and a military staging center.

George Thorson also wanted to recognize his staff for helping him in this "team effort." They are T. Russell Jones, historical architect; Robert F. Smith, project supervisor, and Tom Armstrong, exhibit specialist (restoration).

Big plans for Big Thompson

The Big Thompson Recovery Planning Council, formed as part of a disaster recovery effort in the wake of the July 31 flood of the Big Thompson River (Colo.), which killed 138 people, has developed preliminary recreational alternatives for future land use.

In formulating its new alternatives, the council invited the Bureau of Outdoor Recreation, Bureau of Reclamation, Fish and Wildlife Service and Park Service to participate in its planning study. A committee, including State and local agencies, was formed to study future land-use planning in the canyon. Because of the devastation and extensive property damage caused by the flood, the committee recognized that many canyon properties would not be rebuilt because of uninsured losses and the probability of future floodplain zoning.

Landscape Architect Merrick Smith of the Denver Service Center provided technical planning assistance for the Big Thompson Alternative Study Analysis.

The planning committee developed preliminary recreational alternatives for future land-use in the canyon. These are as follows:

Status Quo – Return to pre-flood use patterns, as zoning and floodplain regulations permit and as landowner's permit.

Scenic Transportation Corridor – Recognize and retain the canyon as an efficient, direct, east-west scenic access and gateway to Rocky Mountain National Park. Increase emphasis on improving scenic relationships between national and manmade elements. Permit residential and commercial uses in accordance with zoning and floodplain regulations.



Big Thompson River disaster, Colo.

Nodes – Concentrate unconnected areas of open space, and develop recreation sites in selected locations – depending on their availability and suitability for recreation use.

Linear Park – Provide continuous recreation corridor. Concentrate and disperse recreation uses of both lower and higher intensity. Plan use-nodes of varying sizes, and trail corridors between them and extending from them.

Public Park – Put skyline-to-skyline lands in public ownership and management. Provide public outdoor recreation facilities as appropriate to base resource, and as recreational needs indicate.

The recreation alternatives have been presented to the Council and representatives from the offices of Senators Hart and Haskell, and Representative Johnson. Everyone is extremely pleased with the work that has been accomplished, and the consensus is that other work can now move ahead rapidly toward completion of the Big Thompson Canyon recovery.

DSC study team members will be called upon from time to time until the recovery project has been completed.

Fossil fire

A smoldering fire started by intruders in July continues to burn in Rampart Cave in Grand Canyon National Park. The fire threatens a treasure-trove (scientifically speaking) in the form of a 25,000-year accumulation of giant Shasta sloth dung.

The Shasta sloth lived in the cave until the time of its extinction some 12,000 years ago. Dry atmospheric conditions in the cave preserved the huge piles of dung in remarkable condition – so that much of it appears to have

been deposited recently. The Rampart Cave is the only cave known to contain giant Shasta sloth dung in such a well-preserved state. The prehistoric pile has been a storehouse of information for paleobiologists and botanists since its discovery in the '30s.

The cave entrance had an iron gate installed to protect the find, but the iron had been bent and the cave entered. Several attempts have been made to extinguish the fire and save the dung, but none have so far been successful. A recent effort included sealing the cave entrance

and pumping carbon monoxide and carbon dioxide gases into the cave to smother the fire.

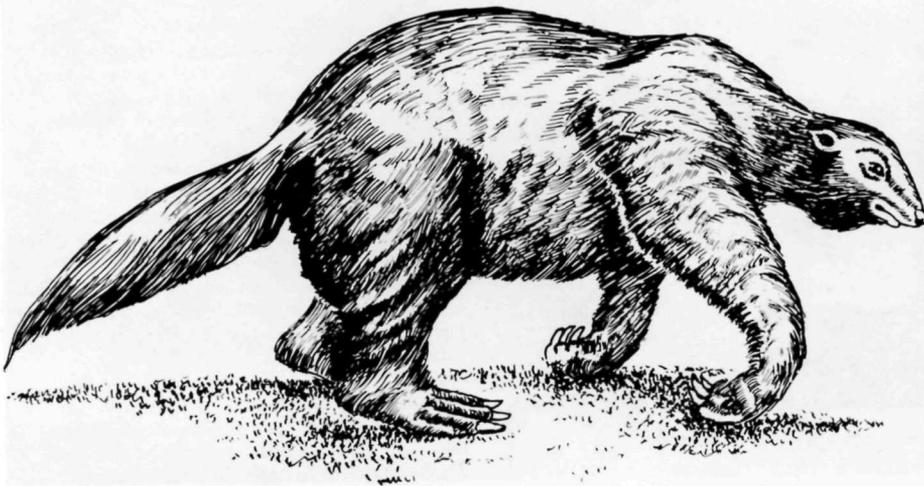
Expecting to find the fire out, the cave was examined in mid-January by Mining Enforcement and Safety Administration personnel, University of Arizona scientists and NPS resource managers David Ochsner, David Stiegelmeier, David Mathiesen, Jim Walters and Glen Fuller. The cave was found filled with smoke and the dung still smoldering.

"For safety reasons, deeper portions of the cave were not entered," said Superintendent Merle Stitt.

Those involved are now seeking other alternatives to extinguish the fire. Roger Giddings, Grand Canyon management assistant, says under consideration is a plan to shore up the weak roof of the cave so that firefighters can go in with foam or crews can be hired to shovel out the smoldering remains.

Shasta sloth – which were about the size of a black bear – died out just after the last ice age, at the same time most mammoths, mastodons, sabertooth tigers, camels, horses and many species of wolf, sloth and other large mammals in North America became extinct, according to Dr. Paul Martin, University of Arizona professor, who calls himself the "world's leading expert on fossil sloth debris."

A late report from Roger Giddings as we go to press indicates that MESA personnel will enter the sloth dung cave to shore up timbers in early April and attempt to suppress the fire with Carbon Dioxide gas or fire retardant dust.



GSI - concessioner in D.C., California and Washington



M.T. "Barney" Allen, President of GSI.

Many Park Service concessioners characterize themselves as "Mom and Pop" operations. M.T. Allen, President of Government Services, Inc., makes no such pretenses. And for good reason.

A non-profit corporation created 50 years ago to serve Government installations, it has become one of the Nation's largest hospitality and recreation service firms. The Washington, D.C., based concern operates several units throughout NPS' National Capital Region, as well as facilities in two national parks, Sequoia-Kings Canyon in California and Mount Rainier in Washington. Activities run the full gamut from guest accommodations, grocery stores and camper supplies to tennis courts, marinas, gift shops, a small ski operation and even an olympic-size indoor ice-skating rink at the Fort Dupont Park in southeast Washington, D.C.

One of the largest private concerns in the Nation's Capital, GSI employs 2,800 persons year-round, and its ranks swell to 3,600 — principally college students — during the summer months. GSI has a unique incentive program developed by Mr. Allen which assures summer work during their college careers to seasonal employees who adapt well to their park jobs.

Perhaps the most telling statistic of the scope and size of GSI is that its many cafeterias feed 110,000 Government employees daily in the Nation's Capital. And, last summer, on July 4 they had the principal responsibility for feeding the half-million persons who gathered on the Mall for the Bicentennial fireworks.

Affectionately known as "Barney," Mr. Allen is used to being associated with large firms, and with National Park Service, having spent 35 years with the Fred Harvey Company, perhaps the largest concessioner in the country, before he took over GSI 7 years ago.

Still, Allen has none of the traditional trappings of a chief executive officer. He is unpretentious and unassuming. These attributes, however, are balanced with candor, directness, and an obvious ability to control

situations as well as corporations.

A native of rural Kansas, Barney started with the Fred Harvey Company at 19, working as a commissary clerk in Kansas City. He had "so many different assignments" he can't remember all of them over the 35 years with the Harvey chain. He left in 1970 as senior vice president and chief operating officer to assume his current position. Ironically, Barney left Fred Harvey at 53 years of age because, as he says, "I became tired, I wanted to get into a slower pace."

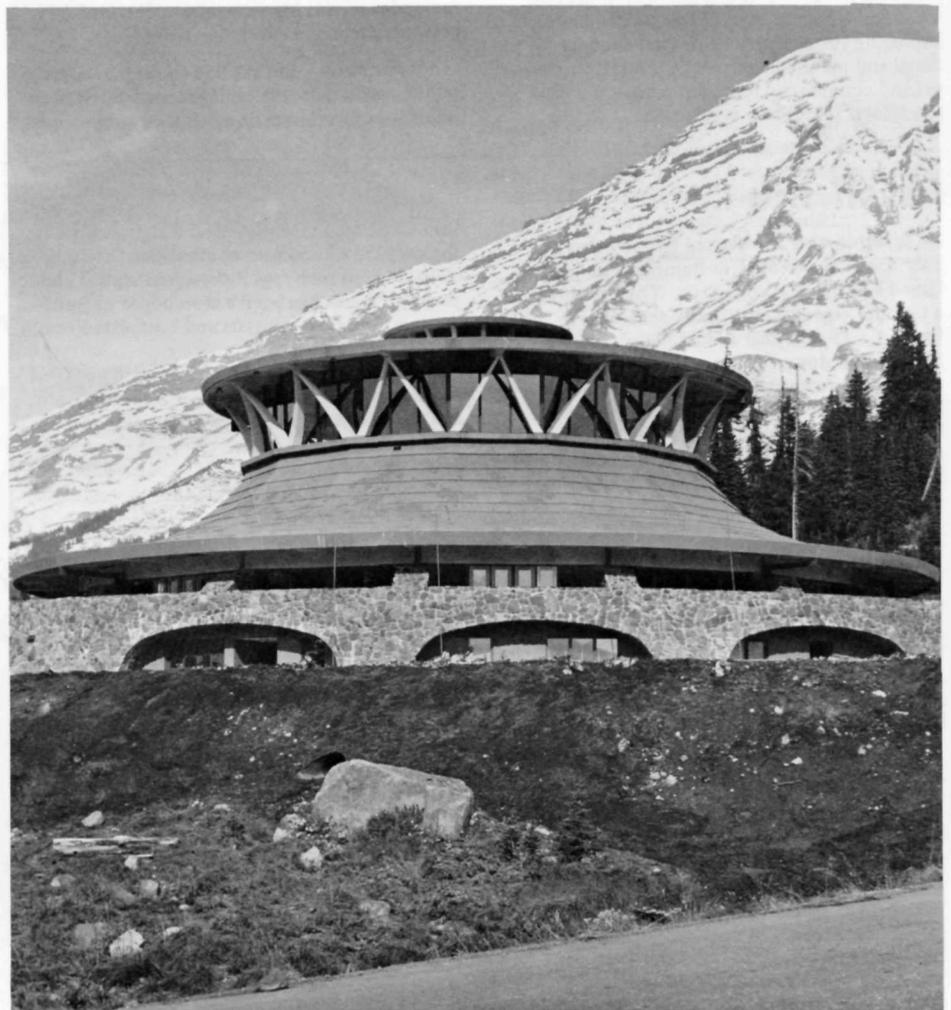
"I was less tired than I thought I was," he smilingly admits in retrospect.

One thing that never tires Barney is a visit to Grand Canyon National Park, which is his favorite in the System, an "awesome sight that pictures and stories don't prepare one for." Mr. Allen has viewed that magnificent pit more than 250 times.

During his long association with the national parks, Allen has seen a lot of change, both in the Service and in concessions, beginning with the "real growth of visitation" after World War II.

He feels that "both the service and the concessioner have met the challenges of added

Day-use building (visitor center includes concession operation) at Mount Rainier NP, Wash.



growth very well, and while a number of people appear to be concerned about the impact of growing visitation on natural resources, the National Park Service, in my judgment, has controlled the situation outstandingly."

Barney believes that the relationship between GSI, and indeed all concessioners, and the National Park Service is "mutually beneficial — one that has served the public well."

"It is no secret that in recent years inaccurate information has caused a strained relationship from time to time, but the real health of this relationship endures despite severe critics of the concessions operation, critics who someday may become staunch advocates."

Allen notes that some people have proposed that the National Park Service should run its own concessions — a proposal he finds "unwise."

"Government involvement in this area," he contends, "generally causes unnecessary waste of time and money to the Government and the consumer."

"I truly believe," he says, "that while concessioners have had shortcomings, we have made

a major contribution to the National Park System."

Had there not been concessioners to deal with the needs of the visitors, he contends, the public never would have supported the funding for the creation and maintenance of the National Park System — a system which he considers a model to the world.

"We serve the public in the way it desires," says Barney. He tempers this with a belief that "we should not offer services that intrude on the very nature of the mandate of the park — services that intrude on the integrity of the parks."

The biggest concession need in the Park Service now is in the area of over-night (not camper) accommodations, he believes. He suggests hostel-type facilities along the European theme "that fulfill the needs of visitors on a limited budget not now being met by existing, yet-obsolete cottages that abound in the parks."

This feeling for the needs of the visitor reflects Barney Allen's 42 years in the National Park family, four decades in which he has undoubtedly served more people than any other concessioner.

HABS gets AIA award

The American Institute of Architects (AIA) has bestowed its 1977 AIA Medal on NPS Historic American Buildings Survey (HABS). AIA also elected Dr. Ernest A. Connally, associate director, Preservation of Historic Properties, as an honorary member.

HABS receives the AIA Medal for "significant achievement in recording architectural accomplishments," and it will be presented at AIA's annual convention in San Diego, Calif., June 5-8, 1977.

Began in 1933, HABS is a long-range program to assemble an archive of American architecture.

Thousands of records, including measured drawings, photographs, and written data, were collected in the '30s and deposited in the Survey's archives in the Library of Congress. Deactivated during World War II, HABS started up again in 1957.

It continues its work today under the direction of John Poppelier.

Structures covered in the Survey represent the full range of the American Building art, from the log cabin to the modern skyscraper, and span the time between the colonial settlements to the present. The Survey includes information on more than 16,750 structures.

This record, says the AIA Jury on Institute Honors in making the award, "is of immeasurable importance to the history of architecture in this country."

Dr. Connally, and 10 others, received honorary membership in AIA for "distinguished contributions to the architectural profession or its allied arts and sciences."

Dr. Connally joined NPS in 1967 as chief of the Office of Archeology and Historic Preservation. Earlier, he had taught architecture at Miami (Ohio) University, Washington University in St. Louis, and the University of Illinois.

An authority on the historic architecture of much of the U.S., he is particularly well-known for his research into the 18th-century French architecture of the Mississippi Valley, and his involvement in the restoration of two key examples, the Bolduc and Bolduc-LeMeilleur Houses in Ste. Genevieve, Mo.

He participated in the restoration of the old Illinois State Capitol and Springfield, and served as supervisor of a HABS survey team which in 1962 documented more than 80 classified historic structures within Cape Cod National Seashore, Mass.

Also active in international preservation efforts, Dr. Connally currently serves as secretary general of the Paris-based International Council on Monuments and Sites.

Each year is a surprise to us. We find that we had virtually forgotten the note of each bird, and when we hear it again it is remembered like a dream, reminding us of a previous state of existence. How happens it that the associations it awakens are always pleasing, never saddening; reminiscences of our sanest hours? The voice of nature is always encouraging.

—Henry David Thoreau.

Two-room cottage with connecting bath at Giant Forest Lodge, Sequoia NP, Calif.



Visitor center dedicated at Lincoln Home

By Odell Hanson
Public Affairs Officer, Midwest Region

In the history of every NPS area there are "benchmarks" — dates or occasions which signal a major step in development or preservation.

For Lincoln Home National Historic Site in Springfield, Ill., Feb. 13, 1977 became a benchmark — the date for dedication of a new \$1.1 million visitor center, an event timed to coincide with the 168th anniversary weekend of Abraham Lincoln's birth.



Midwest Regional Director Merrill D. Beal delivers speech at program at nearby church dedicating the new visitor center at the Lincoln Home NHS, Springfield, Ill.

It brought an outpouring of dignitaries, led by the new Illinois governor, James R. Thompson. And, reflective of the pride which Illinoisans have in the historic heritage growing out of Lincoln's 23-year residency in the State's capital city, about 650 persons turned out for the Sunday afternoon dedicatory program.

To accommodate the audience, the program was held at the First Presbyterian Church, a half block from the visitor center. This was the church attended by Lincoln, and the old wooden pew which the Lincoln family regularly occupied remains in use.

Speakers were seated in the Lincoln pew, and Gov. Thompson took note of this fact.

"It is a reverent thing to sit there, but it is only wood," he said. "Lincoln sat there, but that's about the only difference. His home is a special place. But when you get right down to it, it is only wood, brick, stone, metal and glass — like yours and mine. We revere it because of who lived there."

Lincoln is important to history "for what he stood for," and this outlasts wood, stone or glass, he said.

He advised listeners to dedicate themselves to the ideals and principles "of equality, decency and integrity" which Abraham Lincoln evidenced in his private life and public service.

Sharing the pulpit-rostrum were Congressman Paul Findley, in whose Illinois district the Historic Site is located and who sponsored the legislation transferring the site to the National Park Service in 1970; Illinois Congressman Paul Simon, a Lincoln scholar and author; Dr. Ernest Allen Connally, NPS Associate Director in charge of Preservation of Historic Properties, and Merrill D. Beal of Omaha, NPS Midwest Regional Director.

Albert W. Banton, Jr., Superintendent of Lincoln Home NHS, served as master of ceremonies.

Following the program, the audience and dignitaries moved to the new visitor center for a ribbon-cutting ceremony and a first public showing of a new film, "Mr. Lincoln's Springfield," produced by the Harper's Ferry

Center. The film uses a fictional studio photographer to narrate and show photographs of Springfield and its people as Lincoln knew them.

At the Lincoln Home itself, centerpiece of the Historic Site, post-dedication visitors — including Gov. Thompson and his wife, Jayne — found members of the Junior League of Springfield and children in period costumes, re-creating a Grand Levee (party) of a type the house witnessed during the 17 years in the mid-1800s when Mr. Lincoln, then a practicing lawyer, was its owner and occupant.

Lending a flavor to the occasion also was the 114th Infantry, Illinois Volunteers, a reactivated Civil War Union Army outfit whose members, dressed in period uniforms, fired their muzzle loaders outside the home in a booming windup to an eventful weekend.

A special preview of the new film was offered directors of the Abraham Lincoln Association on the Friday night preceding the dedication. The Association's annual banquet was held Saturday night with Dr. Roy P. Basler, a Lincoln scholar and retired staff member of the Library of Congress, as principal speaker.

Construction of the Lincoln Home NHS visitor center began in October 1975. Despite its 8,600 square-feet of floor space, the building has a low profile and a design calculated to avoid any impression of massiveness. The large lobby contains six free standing exhibits, along with a 5-by-9-foot plate glass on which is etched the farewell address which Lincoln gave at Springfield's railroad station on departing for Washington to assume the presidency.

The building contains two auditoriums with seating capacities of 175 and 75. The new Lincoln film is shown regularly in them.

On leaving the building, visitors move through a grape ivy arboretum designed to condition the visitor for a return to the mid-19th century which the Lincoln Home and its environs are reflecting. A boardwalk leads to the Lincoln Home less than a block distant.

Two new parking lots, one for autos and one for buses, are part of the new visitor center complex. The Springfield Tourism and Convention Bureau mans an information booth in the visitor center.

Dr. Ernest A. Connally (left) chats with Merrill D. Beal (center), NPS Midwest Regional director, and Alfred W. Banton, Jr., superintendent of Lincoln Home National Historic Site, Springfield, Ill., following dedication of a new visitor center at the site, Feb. 13. Dr. Connally, associate director in charge of Preservation of Historic Properties, represented Director Gary Everhardt and was one of several speakers.



NPS, careful on visitor safety, has "dismal" employee record



Broken concrete steps can cause a nasty fall.

By Ronnie Spiewak
Staff Writer

Say "safety" fast three times and you probably won't even get a blink out of the most conscientious park employee.

Last year one in eight NPS employees suffered injuries that required professional treatment. Altogether, NPS spent more than 2 million dollars in 1976 on personnel injuries, motor vehicle mishaps, structural fires, property damages and tort claims — chalking up one of the worst employee accident records claimed by any Federal agency.

Truck accidents caused by tailgating and driving too fast accounted for the most frequent mishap. Employees were struck by vehicles or objects 229 times, and were involved in collisions almost 300 times last year.

Park Service employees harmed themselves while on the job in other startling ways. People fell, were caught in, under and between things. They overexerted themselves, received insect and animal bites, were burned and received electric shock.

There were various reasons why these accidents occurred but 88 percent resulted from human error. Approximately 700 accidents were caused by inattention to footing or surroundings, driving errors, improper use of hands and body parts, failure to use personal protective equipment and lack of knowledge or skill. Plenty of needless calamities occurred simply because people tripped over extension cords and long wires, or left desk or file drawers wide open.

The Park Service's soaring accident rate has attracted severe scrutiny from the outside. Last year the Department of Labor investigated the National Capital Region's Brentwood Maintenance Yard and found it sorely lacking in OSHA (Occupational Safety and Health Act) standards. The Department of the Interior

evaluated WASO, Rocky Mountain Region, the Denver Service Center, Southeast Region and four parks and had similar misgivings. The General Accounting Office (GAO) has even recommended to Congress that OSHA give the Department of Labor the authority to inspect Federal agencies so that agency program deficiencies would be reported directly to Congress—a situation that could make life difficult for the Park Service, the way the safety record stands.

Pronouncing the safety situation "dismal", Director Gary Everhardt, who has come out with several safety directives since the GAO and Department of Labor investigations, sternly reiterated his intentions of separating any employee who persists in being careless, stupid or generally unsafe.

"We are prepared to acknowledge and reward excellence, but we are also prepared to penalize further evidence of inattention to this most vital concern," he said.

The Director's warning came at the final session of a "Safety for Line Managers" course at the Harpers Ferry Center, March 4. The meeting was attended by park managers and safety specialists throughout the System who the Director intended would take the message home to the parks. "It rests with you to raise the importance of employee safety within your parks. I look forward to the day when our record can be looked on with pride — not shame," he said.

According to NPS Safety Chief Fred

Tidwell, we have a long way to go. "Safety has long been misunderstood in the Park Service. Previously, no one, including management, had really taken the responsibility seriously. Now largely because of Director Everhardt's personal interest, people are beginning to realize the seriousness of the situation, but the record won't improve until all managers demonstrate their commitment to the safety program and employees personally assume their responsibility," he said.

Still, the record is not entirely bleak. In the past 6 months, the Southeast Region has developed and instituted seven 40-hour safety training courses, the most in any region. The Denver Service Center, responsible for Servicewide design of facilities, recently hired their first safety engineer and other regions have finally come around to developing debut safety courses. The Washington Office is shaping a core of safety professionals. And the NPS visitor safety record, which was always stressed, has also visibly improved over last year.

"But accidents are costly in talent, good will, equipment and experience, and most important human life and human injury," Everhardt told park managers. "When they happen to visitors they cost us public support. When they happen to our own people they cost us personnel and resources we can't afford to lose."

The Director's remarks are only the beginning of a "safety campaign" of sorts, intended to bring the harsh reality of the situation home to the Park Service family of employees.

Safety comes from man's mastery of his environment and of himself. It is won by individual effort and group cooperation. It can be achieved only by informed, alert, skillful people who respect themselves and have a regard for the welfare of others.



What's next in NPS research?

By Ronnie Spiewak
Staff Writer

Volumes of scientific research have been generated in the national parks. The Park Service manages its park resources based on what it learns from science.

But most parks simply cannot afford full-time scientists. The majority of park managers arrange for research through the regional or chief scientist, through one of the NPS service centers, by arranging with outside environmental institutes or universities, or by infrequent piecemeal hiring of NPS personnel. There is, however, one park that has always staffed a nucleus of scientists out of the sheer complexity of the area. It is Everglades National Park, Fla.

Everglades, a vast network of ever-changing waterways and a treasure-chest of wildlife — especially fishes and birds — has always been plagued by resource management troubles. Besides being so large (its our third largest national park), and so richly endowed with life, Everglades' precarious location at the bottom of the southern Florida watershed makes it particularly sensitive and dependent on external factors for survival.

Said Everglades Research Scientist Dr. William Robertson in 1971: "Water management in the present situation is a job to tax the wisdom of Solomon. It is complicated by variable rainfall, by high evapotranspiration and seepage losses, and by the fact that the Everglades is a smaller and less efficient vessel for water than it used to be. One third or more of the original floodplain is now developed land

that has to be kept dry. There's less place to put water in wet periods and thus, water is more frequently wasted to the sea."

Changing land-use patterns around the park and the insidious water problems facing it have caused significant changes over the years. Scientists have seen wildlife diminish. They have observed birds emigrate right out of the park. They have measured decreasing fish populations in marshes that show increasing salinity levels. Today, South and West Dade County on Everglades east and north boundary, is being developed, at a remarkably swift rate, dangerously threatening the area's limited water resources.

The park is at a crossroads that may determine its health and survival. While scientists cannot yet put their finger on what will happen to Everglades, the administrators, researchers and public information specialists agree that the park is in trouble if research continues at the same slow pace it has over the past years. We need to know much more, delve layers deeper into the life of the park if we are to keep Everglades alive and well. Not only must we make intense isolated studies but scientists need to broaden their explorations to include studies of water, plants and wildlife on a holistic scale.

Thanks to the growing number of people sensitive to the dangers that face Everglades, the dilemma here has not gone unrecognized. Last year the Park Service raised the research division's small operating budget base to \$800,000 and enlarged the small nucleus of researchers to 11 permanent scientists and 20

technicians — a monumental move, setting the stage for the most intensive research effort in any one park in the history of the agency.

The program is also unprecedented in that it has a direct link with management. Generally, research and management at Everglades work together in two ways. First, the superintendent works closely with the research director in reviewing and selecting priority projects for funding. Second, a built-in "Annual Review Program Cycle," during the first week of May, joins researchers, the superintendent, and the Everglades advisory committee (professionals based outside the park) in a discussion of the year's research results and generates recommendations for new research and updated management directives based on the year's scientific findings.

"While Everglades research is management-oriented," says Superintendent John Good, "the true test of the validity of this program is whether we can convert research results into sound management policy."

The implications of this research effort, striking at the heart of park needs, is of tremendous importance to the entire Park Service. For one thing, it creates a unique opportunity for scientists to develop systems, or *techniques of research*, that if proven successful, could be applied in areas throughout the System. But many people are also hopeful that this remarkably innovative program will put research much higher on management's list of priorities throughout the entire Park System.

A look at the scientists

Research is organized under six areas of general study, wildlife, fisheries, water resources research, vegetative and fire ecology, and special projects, which entails land-use research and implementation of a unique computer system designed to meet research needs. A scientist "team leader" heads each of these areas of study and is responsible for developing intense programs that meet research goals.

Gary Hendrix, research director.



The scientists, while based in Everglades, conduct research at Big Cypress National Preserve, Biscayne National Monument and Fort Jefferson National Monument. Research also takes them into the periphery of Everglades — Florida Bay, Biscayne Bay, and South and West Dade County.

The following is a general look at the scientists and what they are studying.

Dr. Gary Hendrix, research program director was graduated from University of Miami in 1970, in marine biology. His special study of coral reefs and shrimp have taken him to Africa, Southeast Asia and a year-and-a-half in Antarctica. He began study in Everglades in 1973 on special assignment with the NPS South Florida Environmental Study that grew out of the jetport controversy at Big Cypress Preserve. He has been employed as research director since November 1975. Hendrix is highly supportive and appreciative of the things management needs in running the park. But he also says Everglades is an ecosystem that we may lose if we fail to understand it. His commitment to the program and to the park is based on "our very great need to understand the park through research."

Dr. William Robertson, research biologist, is presently studying eagle populations, ocean bird colonies and ecological problems in eastern Florida Bay. Dr. Robertson has worked in

Everglades for more than 18 years. Over the years he and his wife Betty (who is not employed by NPS) have cataloged more than 45,000 birds in the Dry Tortugas of Fort Jefferson. They have devoted much of their work to study of the sooty tern. Says Robertson in regard to the role of research in the Park System: "While NPS services may be expendable, the resources are not. An NPS area has a responsibility to know its natural features and to develop a broad data base. The park should not have to rely on short-term research efforts designed to meet resource management emergencies."

Dr. Jim Kushlan, wildlife team leader, is a graduate of University of Miami, with special study of white ibis and alligator ponds in South Florida. He is presently studying alligators, wading birds and fish populations in the Shark River Slough, a major waterway of the Everglades that constitutes a management problem. In particular, Dr. Kushlan and his staff of three technicians examine what birds and fish eat and relate these findings to changing water levels.

Gary E. Davis, fisheries team leader, took an M.S. at University of San Diego, in marine biology. He initiated his NPS career at Lassen Volcanic National Park, Calif., in 1965, and he transferred to Virgin Islands National Park in '68, where he conducted reef and spiny lobster studies connected with the TEKITE I pro-



Jim and Marilyn Kushlan tag tiny alligator.

gram. He has been with the Everglades Team for 6 years. As fisheries leader Davis coordinates four projects: fishery monitoring, water quality in coastal zones, a study of specific marine animals and the management of coral reefs. He works closely with Fisheries Technician Vive Thue and with Fisheries Biologist Tom Schmidt, who examine water quality and how it relates to fish distribution in Florida Bay. Already, as a result of Davis' fisheries research, there have been some changes in fishing regulations in South Florida Bay. Gary feels his NPS work is helping to preserve the estuarine and marine resources of the coastal zones. While the coastal zones support the natural system of Everglades, they also support the State of Florida's recreational and commercial fisheries. "We must continue to preserve the resources if the fisheries are to stay alive. NPS must respond to the stress on harvest and ecosystem management."

Jim Tilmant, resource management biologist, Biscayne National Monument, is a graduate of Humboldt University, Calif., 1974, with an M.S. in wildlife management. He joined NPS as a seasonal in 1966 at Shenandoah National Park, Va., and began study in South Florida in 1972. Jim wears two hats. He is a member of the research team and also is the resource management biologist based at Biscayne. And for both jobs, Tilmant works closely with the fisheries team, monitoring the fish catch at Biscayne Bay, studying off-shore reefs and birds. The sport catch in this area includes spiny lobster, stone crab, and the commercial harvest includes bait fish. Jim's work also takes him to many Keys in the Biscayne area. The information gained from his study will provide a good indication of the carrying capacity of Biscayne National Monument, the level of fishing impact, and a perspective for managing the Keys.

Ron Hermance, hydrologist, is responsible for water studies and water resource management. An NPS hydrologist at Everglades for 10 years, he was formerly with U.S. Geological Survey. Ron is responsible for studying how Everglades has been affected by the system of

canals, levees, and other water-control devices with which man has replaced the historic natural sheet flow. His work is designed to determine how much water is coming into the park, where it is going, how much is staying there and how long and much is leaving and when, so that a complete water balance sheet can be constructed for key areas in the park.

Chuck Hilsenbeck, biostatistician, is responsible for implementing computer system "ERIS" (Environmental Research Information System), which will be invaluable in organizing and synthesizing scientific data and in providing what Chuck calls "environmental equations." ERIS is a Boeing Computer System. Chuck is responsible for editing data before entering it into the computer.

Sue Wilson, land-use planner, works with the private sector in West Dade County, developing criteria for land quality that is acceptable for maintaining the natural systems of Everglades. A new employee, she will be specifically involved in land zoning.

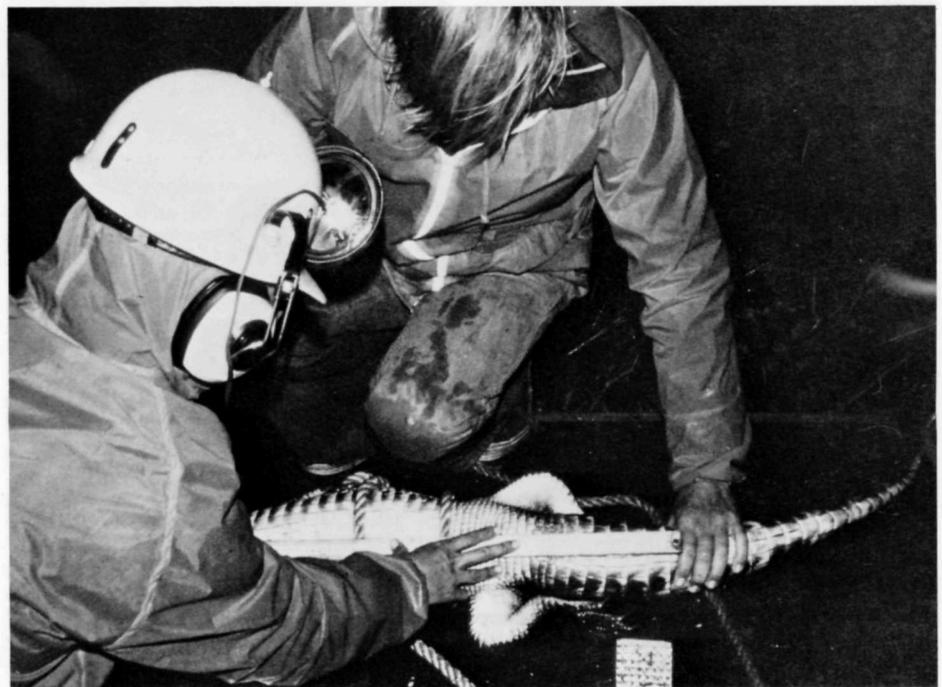
Oron "Sunny" Bass, wildlife biologist and administrative assistant to the research director, has an M.S. from Stephen F. Austin State University, Texas, 1974. He began his study in Everglades in 1976 as a technician working with Dr. Robertson. Presently he is studying the tree snail in the Rocky Glade area just north of Long Pine Key.

Dr. Lloyd Loope, a plant ecologist, graduated from Duke University in 1969. Lloyd joined NPS in 1969 at Grand Teton, Wyo., where he was involved in plant and fire ecology. He recently returned from a 2-year NPS assignment in Paris where he specialized in the biosphere reserve program for UNESCO. Lloyd will initially be involved in charting distributions of rare plant species. He also plans to study the ecosystem in the Hole-in-the-Donut area of Everglades where the soil has been irreversibly altered by agriculture. His work will help determine whether and/or how much NPS should retard plant succession here.



Scientist recovers spiny lobster net.

Researchers measure young alligator.



Great graphics at DSC

Denver Service Center employees in the Office of Graphic Systems have been commended for their work on a review of the causes for the failure of the Teton Dam in Idaho last June.

Immediately following the Teton Dam failure, Gov. Cecil Andrus (now Interior Secretary) and then-Secretary Kleppe agreed to an independent engineering and geological review of the cause of failure. Loss of life from the flooding reached 14 persons and property damage is now estimated to be \$400 million.

Candidates were selected for the review panel from lists suggested by the National Academy of Engineering, the National Academy of Science and other organizations. The panel's deadline for a completed report was Dec. 31. Last November, the panel requested the Office of Graphic Systems-DSC to process hundreds of pages of text and more than a hundred technical

drawings and other support graphics.

Draftsmen and visual information specialists were sent to Idaho Falls to work hand-in-hand with the panel in preparing the report. The graphics office accomplished this huge undertaking by working overtime with the full cooperation of all employees involved. They included Anne Shewell, Doug Burkhard, Tom Chinn, Romeo Singson, Jan Petrukitas, Lou Tidd and the writer-editors.

Wallace L. Chadwick, chairman of the panel, commented: "This accomplishment is commendable when measured against any standard or any precedent. We know much of the credit is due to your excellent management and your willingness to take the impossible in stride. . . . The final product is a fine tribute to you and your exceptionally capable organization."

Preservationists convene in D.C.

The Annual Meeting of State Historic Preservation Officers and Federal Representatives, sponsored by the National Conference of State Historic Preservation Officers and the Office of Archeology and Historic Preservation, convened at the Hotel Washington in Washington, D.C., February 27-March 2. The business meeting of the National Conference had representatives from all but two of the fifty-six States and territories. At the close of the meeting, the group was addressed by Director Gary Everhardt.

In addition to the business meeting, there were 2 days of sessions concerning various aspects of preservation funding, planning, and

development. An entire afternoon was devoted to discussion of the development of a policy on statewide surveys. Another series of panels focused on community and neighborhood revitalization. The numerous implications of the historic preservation provisions of the 1976 Tax Reform Act were also addressed.

The sessions not only provided an opportunity for the State and Federal representatives to learn of new developments in programs relating to historic preservation, but it also provided a medium in which the individual concerns and problems of the participants could be articulated and shared.

Buffalo bigwigs quizzed



Buffalo National River, Ark., Chief Ranger Harry Grafe and Superintendent Lorraine Mintzmyer, fielded questions at a recent meeting with float operators — concessioners who conduct float trips on the river. The operators decided recently to form an association to provide an "open channel" between them and NPS officials.

Workshop on books for kids

What books do children like? They like good books. And what is a good book? No one can know for sure. However, Cooperating Association Coordinator Jim Murfin and his colleagues want to find out.

For the past 2 years, Jim and his staff at Harpers Ferry Center, W. Va., have been endeavoring to create a renewed interest in communications with children in parks — particularly with respect to publications.

While the only feasible means of such communication seems to be through the programs of the 56 cooperating associations, the subject has become of great interest to interpreters throughout the System. And thus in early February the second phase of a long-term program aimed at improving cooperating association publications for children was held on a Friday and Saturday at the Mather Training Center, Harpers Ferry Center, W. Va.

Resource people were professional children's librarians, storytellers, a children's book artist/creator, a designer, and professionals from the Smithsonian Institution and the National Geographic Society.

During the 2-day session, which included evening programs also, all aspects of children's books were explored in an effort to come up with some goals for improving books for and about parks — not only those sold in the parks, but elsewhere, wherever children's books are found, such as in libraries, schools, and in the market place.

On Saturday, four 5th and 6th graders were invited to join the group as a special panel for a critique of some pre-selected publications. This, of course, added a special note of excitement and interest in the conference.

More than 50 participants from around the Park System attended the children's interpretive media workshop, and many more would have liked to have had the opportunity to do so. Because of the broad interest, video tape was made of the complete session, and a summary and permanent record are available.

International "notes"

Robert C. Milne, chief, Division of International Park Affairs, reports the following "international notes" from his office.

The Office of the Assistant Secretary for Fish and Wildlife and Parks is working with the government of Brazil to identify possible areas of cooperation, technical advice, assistance in planning and management and training of park personnel for certain park areas in that country. Ken Thelen of NPS, David McGrath, special assistant to the assistant secretary, and Henry Reeves of the U.S. Fish and Wildlife Service, recently returned from Brazil where they were negotiating terms for a cooperative agreement.

A NPS team comprised of Project Manager Ray T. Lee, Civil Engineer Paul Zenisek, and Interpretive Planner Jim Massey recently departed for Riyadh, Saudi Arabia to report to the Joint Economic Commission and to work with that country's Ministry of Agriculture and Water towards the development of the Asir-Tehama Kingdom Park. The project team has already helped in evaluating architects and engineering firms here and will initiate the design and construction supervision contract with the firm selected by the Saudi government.

Ira Hutchison to head Gateway NRA



Ira J. Hutchison has been named superintendent of Gateway National Recreation Area, N.Y.-N.J. He assumes full-time duties this month.

As superintendent of Gateway, Hutchison will manage the four units of the park which cover more than 26,000 acres of land and water at Jamaica Bay, Breezy Point and Staten Island in New York and at Sandy Hook in New Jersey. He will be directly involved with the park planning of Gateway, which opened as a Park Service area in 1973.

Hutchison comes to his new post from National Capital Parks-East in Washington, D.C., where he was superintendent of such park areas as Oxon Hill Children's Farm and Fort Washington, Md., and the Frederick Douglass Home in Washington. Prior to his appointment there in 1974, he served as chief of community programs for National Capital Parks, which administers NPS areas in the Nation's Capital and nearby Virginia and Maryland.

Before joining NPS in 1972, he was assistant to the president of the National Recreation and Parks Association (NRPA), where he was primarily responsible for the association's urban recreation programs. Previously, he worked with the New York City Department of Health, where he developed recreation programs for the rehabilitation of narcotic addicts.

The new superintendent earned his bachelor of science degree in physical education and recreation from Kansas State University, Manhattan, Kans., and his master of science degree in therapeutic recreation services from Teachers College, Columbia University, New York City.

He is a contributing author to two books, "Recreation and Special Populations" and "Recreation and Leisure Service for the Disadvantaged." Hutchison is also the recipient of several awards, including the "Distinguished Service Award" from the National Therapeutic Recreation Society, a branch of the NRPA.

Hackett heads two Arizona sites



Marjorie M. "Mike" Hackett, superintendent at Fort Point National Historic Site, Calif., and San Francisco unit manager for Golden Gate National Recreation Area, has been named superintendent of two national monuments in northern Arizona.

Mrs. Hackett succeeds John Wise as superintendent at Wupatki and Sunset Crater National Monuments.

A Kansas native and graduate of Central Business College in Denver, she began her Park Service career in 1944 as a clerk-typist at Rocky Mountain National Park, Colo. During her stint there she met and married Coyt H. Hackett, a park ranger who recently retired. Her career was interrupted as she raised a family of three children.

In 1959, she rejoined NPS as a secretary at Yosemite National Park, working in the Division of Forestry and later in Resource Management, Lands and Visitor Services.

In 1970, she became management assistant for the Valley District manager at Yosemite and in 1972 was named project assistant in the Maintenance Division there.

Mrs. Hackett transferred to Fort Point in 1974 as management assistant and was named superintendent later that year.

Last November, she was assigned to the San Francisco post.

Antosca is NYC chief

Joseph Antosca, superintendent of Gateway National Recreation area, N.Y.-N.J., has been named project manager for all NPS sites in the New York City area. The appointment was effective Feb. 27.

As project manager, Antosca, will continue to be involved in on-going planning efforts at Gateway while providing an overview for project development at other New York areas, such as the newly-opened Ellis Island.



Antosca will head a team of NPS professional planners, designers and construction supervisors at offices in Manhattan. Besides Gateway, the NPS has six other sites in the city, including Statue of Liberty National Monument, Federal Hall National Memorial and Castle Clinton National Monument.

A 24-year NPS veteran, he received his B.S. in civil engineering from Pennsylvania Military College in 1951. After working in the Washington, D.C., area as a civil engineer, Antosca joined NPS in 1953.

In 1968 he was selected to supervise "Summer in the Parks," a local entertainment and education program for the Nation's Capital. In 1971, he was named superintendent of National Capital Parks-North, and, later, he was appointed superintendent of Wolf Trap Farm-Park for the Performing Arts in Virginia. He came to Gateway in 1973.

The Antoscas reside in Westbury, N.Y.

Utley to historic advisory council



Robert M. Utley, former chief, Cultural Resources Management Division, has been named deputy executive director of the Advisory Council on Historic Preservation.

The council, formerly part of the Park Service, was recently made an independent agency of the Government with advisory responsibility to the President and Congress regarding all matters relating to the protection of properties on the National Register.

A 1951 graduate of Purdue University, Utley served in the NPS as chief historian and assistant director. He is the founder and former president of the Western History Association and has authored four books, including "Frontier Regulars: The U.S. Army and the Indian, 1866-1891." In 1974, his alma mater, Purdue, bestowed on him the honorary degree of Doctor of Letters.

Utley's new office is located at 1522 K St. NW in Washington, D.C. How does he feel about his new position? "It's a great challenge, with great potential now that the President's Advisory Council has a newly independent status."

Kahn to Springfield



Mohammed A. Kahn, a 10-year NPS veteran, has been named superintendent of Springfield Armory National Historic Site, Mass.

The Armory, known for its extensive collection of 18th-century small firearms, is on the grounds of Springfield Technical Community College in western Massachusetts. Kahn's appointment was effective March 13.

Kahn transfers from the post of area manager of the Staten Island Unit of Gateway National Recreation Area, N.Y.-N.J.

A native of Pakistan, Kahn, 41, will have management and planning responsibility for the historic site. A member of his staff will be NPS curator William Meuse, a leading cannon and weapon specialist.

The small arms collection at the Armory illustrates the story of a 1776 request by the Massachusetts Committee for Safety, directing the citizens of Springfield, Mass., to manufacture firearms to help defend the colony against the British. Later, in 1794, Springfield and Harpers Ferry, W. Va., were chosen as the Nation's first arsenals.

Kahn, who speaks seven languages, attended Sind Muslim College in Pakistan, and later studied at Western Kentucky University and American University in Washington, D.C. After immigrating to the U.S. in 1954, he joined the U.S. Army in Korea and became a naturalized citizen in 1959. He was with the Peace Corps from 1962 to 1965, and the U.S. Department of Agriculture before joining NPS in 1967.

He was named to his Gateway post in 1974.

Kahn, his wife, and two sons, will reside in the Springfield area.

1976 Laws affect civil servants

Seven new laws affecting Federal personnel were passed during the 94th Congress's Second Session. A brief summary includes:

Cost of Living

The formula for calculating cost-of-living increases in annuities was changed. Instead of the previous periodic adjustments plus a 1-percent add-on, future adjustments will be made at specific dates twice a year, after a single transitional increase in March 1977. (See Public Law 94-440.)

Sunshine

The "Sunshine Act" requires that meetings of agencies headed by a body such as a commission be open to the public. (Public Law 94-409.)

Political Contributions

Persons are prohibited from directly or indirectly getting or attempting to get a political contribution of money or services to benefit any political party by either threatening to, or actually denying or depriving a person of (1) employment in any Federal agency or any federally funded agency of a State or local government, or (2) any benefit of such employment or program of the United States. (Public Law 94-453.)

Unemployment Compensation

States were required to extend unemploy-

ment compensation to certain workers not previously covered; were also given final responsibility to review the validity of findings by Federal agencies on performance, periods of employment and cause of separation from employment. (Public Law 94-566.)

Sick Pay

The Internal Revenue Code was amended in an extensive change of tax laws. Section 503 of the new law amends Section 37 of the tax code relating to retirement income to provide a credit for the elderly. Section 506 provides for exclusions for disabled annuitants. (Public Law 94-455.)

Attorney Fees

Courts were required to allow payment of attorney's fees to a winning party in suits brought to enforce certain civil rights acts and to winning defendants in actions brought by the Internal Revenue Service. (Public Law 94-559.)

Health Insurance

Any survivor annuitant, who was covered under the Federal Employees Health Benefits (FEHB) program when his or her survivor annuity was terminated because of remarriage shall be eligible to re-enroll in one of the FEHB's plans if the survivor annuity is restored because of the dissolution of the remarriage or due to other applicable law. (Public Law 94-342.)

To NPS women

Would you *search* through your experience of being a woman related to the Park Service, *note* one or two jobs, people (women), events, incidents (or accidents?) that stand out above all the others in your career as an employee or wife of an employee and *send to*:

Dorothy Boyle Huyck
5116 Elsmere Avenue
Bethesda, Md. 20014

Mrs. Huyck is a freelance writer who's written a number of articles about national parks (for the *N.Y. Times*, *Washington Post*, *Ford Times*, *American Forests*, *Parents*, etc.). She's collecting data on a long-overlooked subject: the contribution of women to the National Park Service. Can you give her a hand?

It is not the critic who counts; not the man who points out how the strong man stumbled or where the doer of deeds could have done them better. The credit belongs to the man who is actually in the arena; whose face is marred by dust and sweat and blood; who strives valiantly; who errs and comes short again and again; who knows the great enthusiasms, the great devotions, and spends himself in a worthy cause; who, at best, knows the triumph of high achievement; and who, at the worst, if he fails, at least fails while daring greatly, so that his place shall never be with those cold and timid souls who knew neither victory nor defeat.

—Theodore Roosevelt

Mullady retires



John T. Mullady, a 30-year NPS veteran retired Feb. 26 from the position of chief ranger at Chamizal National Memorial, Tex.

A Washington, D.C., native, Mullady remembers participating in FDR's first inauguration as an eagle scout. Later he landed a job with the Treasury Department as a messenger in 1935 and after college when World War II came along, he became a navy lieutenant on a minesweeper.

He joined the NPS in 1947 as a ranger in Yosemite National Park, Calif., about the time his well-known lawyer father, Christopher was entering his fifth decade of a 54-year Federal career, most of it with the Interior Department. Mullady estimates that between him and his father and brother, Christopher, Jr., the family has logged 129 years of service to Uncle Sam.

After leaving Yosemite in 1956, he served as

chief ranger at Organ Pipe Cactus National Monument, Ariz. He pioneered the development of Glen Canyon National Recreation Area, Utah-Ariz., from 1960-65 and then transferred to Big Bend National Park, Tex., as chief ranger.

In 1967, he transferred to Washington, D.C., and served as NPS liaison to the President's Public Land Law Review Commission. He returned to the Southwest for his final NPS post at Chamizal and there received NPS awards for outstanding work in contracting, landscaping and directing the new staff and the infant park.

A 1941 University of Maryland graduate in botany, he was an AAU swimming champ. He and his wife, Julia, plan to remain in the El Paso area.

Dan Beard dies in auto crash



Daniel B. Beard, retired Southwest Regional director and E&AA alumni editor, died in an automobile crash in Santa Fe, Feb. 26. He was 71.

Dan Beard served as the first superintendent of Everglades National Park, Fla., from 1947 to 1958, establishing a reputation as an ecologist and conservationist.

Born in Flushing, N.Y., he was the son of Daniel Carter Beard, one of the founders of the Boy Scouts of America. Mr. Beard graduated from Syracuse University in 1930 with a degree in biology and zoology and took graduate work at the Institute of Public Administration at Columbia University.

Joining NPS in 1934, his first job was to make a study of Bear Mountain State Park in New York.

He served as a biologist in the regional office in Omaha from 1940-42, and later as superintendent of Dinosaur National Park, Colo.-Utah. He was also superintendent of Olympic National Park, Wash., after his Everglades assignment, where he led a successful battle to limit timber cutting.

After serving in the Washington, D.C., office as chief interpreter and first assistant director for Public Affairs, he was named SWR director in 1963. He retired from that position in 1967.

He is survived by his wife, Betty LeMessurier Beard, of the home at 140 W. Zia Rd., Santa Fe, N. Mex.; two sons, Daniel C. of Bristow, Va., and Albert L., of Phoenix, Ariz.; a sister Barbara Harper, of Stanhope, N.J., and six grandchildren.



Letter

To the Editor:

For many years I have sat and watched the training courses unfold for employees of the National Park Service. As these courses took shape, it appeared that the majority of them were for interpretation, law enforcement and visitor protection, with only a small percentage for maintenance and administration. This is fine until it comes to the point that the few administrative courses had been whittled down to practically nothing. The only courses we in administration seem to have are those given at Harpers Ferry.

Of course there is the standard answer that the Civil Service Commission and GSA has courses for administrative types. This is true but if you have ever sat through one of those you came out of it with a feeling that well we have just wasted another \$100 or whatever the tuition was.

I recently saw a brochure for training courses, mind you strictly for the Interior Department, given by the Sterling Institute of Washington, D.C. These courses were for procurement and contracting. I thought they were great with content meaningful. We at Minute Man put in our OF 170's seeking permission to attend them. The courses were all around the country. While it is true that they would have cost approximately \$600 for per diem and transportation, it was a good investment for the rewards to be gained. My point is that we should be programming this Institute in the overall training plan for upcoming fiscal years so we too can benefit from attending these courses.

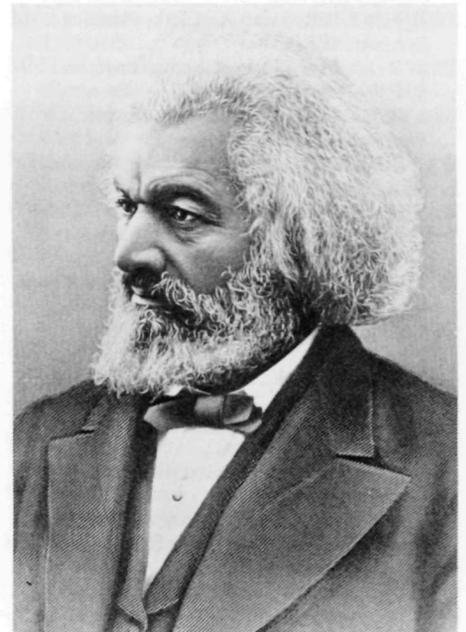
Robert P. Keeling
Procurement Assistant
Minute Man NHP, Mass.

Letters are welcome. Only a selection can be published and none individually acknowledged. All are subject to condensation.

Frederick Douglass

We feel that a special apology is in order for the error made in the March issue of the *NPS Newsletter* in the article titled "D.C. home interprets career of former slave." The picture shown with that article was one taken in the Frederick Douglass Home – a friend and loyal supporter of Douglass – Senator Charles Sumner. This picture (right) is the famous statesman, diplomat, and intellectual – Frederick Douglass.

The Editor.



People on the move



New faces

ANZELMO, John M., Park Tech, Visitor Services, NCP
BAKER, Wilma M., Clerk-Steno, Mgmt & Operations, PNRO
BARBOT, Theresa M., Park Tech, National Mall, NCP
BREEDEN, Ervin R., Park Tech, National Mall, NCP

CLEMENTS, Darla A., Sec, Operations MWRO
DURAND, James T., Laborer, Glen Canyon NRA
EWING, John E., Clerk-Typist, Big Cypress Land Acquisition Office
FAIR, Betty L., Admin Clerk, Indiana Dunes NL
FAIRBANKS, Mildred C., Clerk-Typist, Blue Ridge Pkwy
FISHER, Virgil W., Janitor, JNEM

FORNI, Richard A., Gardener, Area II, NCP
 GEORGE, Carol O., Clerk-Typist, Big Cypress Land Acquisition Office
 GISSSELL, Gary L., Park Aid, Yosemite NP
 GRAY, Timmy A., Maintenance Worker, Gulf Islands NS
 GREEN, Joseph William, Electrician, Greenbelt Park, NCP
 HANSEN, Robert J., Maintenance Mechanic, Apostle Islands NL
 HONEY, Richard J., Cartographic Aid, Big Cypress Land Acquisition Office
 HOPPER, Ralph V., Engineer Tech, Rocky Mountain NP
 LaGRONE, James III, Janitor, JNEM
 LOWERY, Jerry F., Park Tech, Olympic NP
 MacDOUGALL, Deborah L., Clerk, Boston NHP
 MACKEY, Roger L., Civil Engineer, NCP Team, DSC
 MARTIN, Shirley J., Clerk, Park Planning & Environmental Compl, WASO
 MITCHELL, Jerry R., Laborer, Area II, NCP
 MOFFETT, Isaiah, Maintenance Worker, Natchez Trace Pkwy
 REEDER, Richard, Janitor, JNEM
 RODRIGUEZ, Manuel, Painter, Rocky Mountain NP
 SMITH, Donald B., Engineer Tech, Graphic Services Div, DSC
 STONECYPHER, Sarah A., Clerk, Planning & Assist, SERO
 TABER, James R., Environmental Engineer, RMMW Regions Team, DSC
 WALTER, Douglas S., Architect, Historic Preservation, DSC
 WARSHEFSKI, Gary W., Park Tech, National Mall, NCP
 WATHEN, Ralph W., Janitor, JNEM
 WHITT, Joanne M., Payroll Clerk, PNRO
 BRAUN, H. R., Architect, W/PN Regions Team, DSC
 CLAY, Phyllis, Clerk-Typist, Transportation Branch, NCP
 COOPER, Robert W., Deck Officer, Roads & Trails, NCP
 CUNNINGHAM, Anna M., Clerk-Steno, Park System Mgmt, RMRO
 FLEMING, Patrick A., Sanitary Engineer, W/PN Regions Team, DSC
 HAVILAND, William K., Museum Aid, WASO
 HENRIKSEN, G. Lydia, Realty Spec, Big Cypress Land Acquisition Office
 JACKSON, Donald C., Engineer, WASO
 KOURIS, Evangelos, Mechanical Engineer, W/PN Regions Team
 KREMER, Margaret L., Sec, Professional Services, NCP
 LAYTON, Odette, Clerk-Typist, Dinosaur NM
 LORANGE, Richard A., Carpenter, Crater Lake NP
 MARTINI, John A., Park Tech, Golden Gate NRA
 MOLLOY, Gloria M., Legislative Affairs Clerk, WASO
 MOSES, Leonard K., Park Tech, City of Refuge NHP
 NEWMAN, Stephen D., Grants Administrator, WASO
 OSTRICK, Lavon A., Clerk-Typist, Klamath Falls Group
 PHILLIPS, Deanna B., Clerk-Typist, Cumberland Gap NHP
 RICHMOND, Donald S., Guard, Bent's Old Fort NHS

ROSENSTOCK, James A., Park Tech, Fort Washington & Piscataway Park
 SAMUEL, Noble B., Park Ranger, Virgin Islands NP
 SAMUELS, Irvin E., Facility Mgr, Virgin Islands NP
 SOHN, Daniel, Carpenter, Palisades District, NCP
 THOMPSON, Dennis, Maintenance Worker, Bighorn Canyon NRA
 THOMPSON, Oliver Howie, Environmental Spec, NCP Team, DSC
 UNDERWOOD, Stephen W., Park Tech, Olympic NP
 WEBB, Michael W., Maintenance Worker, Kennesaw Mountains NBP

ALBERTS, Wendell E., Engineering Tech, Graphic Services, DSC
 BARBOT, Theresa M., Park Tech, National Mall
 BLADEN, Joseph L., Maintenance Worker, NCP-East
 BOLINGER, John R., Laborer, Cumberland Gap NHP
 COFFMAN, Opal L., Administrative Services Clerk, Chickamauga & Chattanooga NMP
 COLE, Elaine M., Clerk-Typist, Big Cypress Land Acquisition Office
 CONRAD, Randall A., Architect, Historic Pres Div, DSC
 DESPAIN, Debra, Info Receptionist, Bighorn Canyon NRA
 EGE, Ralph W., Engineering Draftsman, DSC
 FLETCHER, Sharon B., Supply Clerk, Cumberland Gap NHP
 GABEL, Karen M., Clerk-Steno, Alaska Area Office
 GENTILE, Ralph L., Tractor Operator Grounds Maintenance, NCR
 HOOTS, James A., Laborer, Lincoln Home NHS
 HORTON, Eva M., Correspondence Clerk, Labor Relations Branch, WASO
 JOHNSON, Andy W., Laborer, Fords' Theatre, NCR
 KIMSEY, Paul T., Maintenance Worker, Delaware Water Gap NRA
 KINSEY, Patricia S., Clerk-Typist, Interpretation, Recreation & Resource Mgmt, NCR
 KIRSCHNER, Rick, Janitor, Mount Rainier KOPER, Alan M., Supv Accountant, MARO
 KRAUKLIS, Vilhelms A., Architect, NCP Team, DSC
 LANGINO, Nancy M., Sec. Office of Communications, WASO
 LEHMAN, Lou, Clerk-Typist, Historic Pres Div, DSC
 LIPPAI, Istvan, Civil Engineer, W/PN Regions Team, DSC
 LOBATO, Rudolph B., Architect, W/PN Regions Team, DSC
 MASON, Douglas L., Auto Worker, Yellowstone NP
 MELTON, Michael T., Purchasing Agent, Coulee Dam RA
 MOORE, Kath D., Procurement Clerk, Blue Ridge Pkwy
 MOORE, Michael V., Park Tech, Shenandoah NP
 MORAN, Mary V., Clerk-Typist, WASO Personnel Office
 MURRAY, Marion K., Maintenance Mechanic, Kennesaw Mountain NBP
 NEJDLIK, John, Laborer, Manhattan Sites
 RHODES, Mary J., Clerk-Typist, Concessions Mgmt, NCR

RUMMEL, Rita Ann, Clerk-Steno, Canyonlands NP
 RYAN, Kenneth D., Mail & File Clerk, Alaska Area Office
 SMART, Barbara J., Clerk-Typist, PNRO
 SMITH, Patricia S., Clerk-Typist, Colonial NHP
 SNOW, David E., Architect, Historic Pres Div, DSC
 STRENG, Christine D., Clerk-Typist, Big Cypress Land Acquisition Office
 TALLEY, Anna M., Mail & File Clerk, Big Cypress Land Acquisition Office
 TAYLOR, Debra C., Clerk-Typist, Labor Relations Branch, WASO
 TAYLOR, Lisa Ann, Clerk-Steno, Yellowstone NP
 WILLIAMS, Richard N., Park Tech, Cuyahoga Valley NRA
 WOLF, Debra M., Payroll Clerk, Administration, RMRO

New places

ALLEN, Raymond R., Cartographer, Operations, MWRO, to Supv Realty Spec, Cooperative Activities, MARO
 ARMPFIELD, Patricia A., Budget Clerk, Administration, RMRO, to Voucher Examiner, Administration, RMRO
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 DAVIDSON, James F., Electrician, Death Valley NM, to Maintenance Mechanic Foreman, Joshua Tree NM
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Proposed Alaska parks



Year-round skiing of Harding Icefield, remnant of the Ice Age, is one of the attractions of the proposed Harding Icefield-Kenai Fjords NM.



Merrill Pass in the proposed Lake Clark NP, on Cook Inlet, near Anchorage.



Visitors to the proposed Wrangell-St. Elias NP in southeastern Alaska are able to drive near this Nabesna Glacier in northern part of projected parkland.

Stretch of the Yukon River near Eagle would be part of a proposed Yukon-Charley NR.



Proposed Katmai NP would provide increased protection for habitat of the Alaska grizzly bear.



Dall sheep herds are a prime concern of this galloping ram in the proposed south addition to Mount McKinley NP.

These Yukon bluffs, possibly one of the last major nesting sites of the peregrine falcon, would be part of a proposed Yukon-Charley NR.

