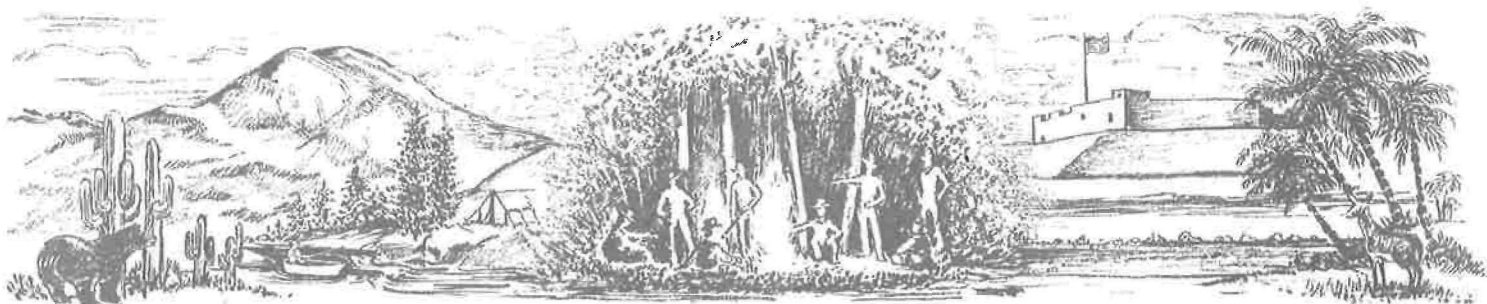




NEWSLETTER

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Stalactites Forming

Few, if any, of the hundreds of thousands of annual visitors to the Lincoln Memorial realize that just a few feet below them, within the underground concrete foundation of the Memorial, is a scene reminiscent of the scenic caverns of the world.

Scientists of the National Park Service and Geological Survey report that stalactites, deposits of calcium carbonate normally found in caves, are growing down from the foundation ceiling. Also, short, stubby stalagmites rise a few inches from the foundation floor.

According to William Newman and Charles Withington, geologists of the Geological Survey, and Maurice Sullivan and Ellsworth Swift, NPS naturalists, 'the icicle-white stalactites range in length from a few inches to as much as five feet or more. Their diameters are generally less than an inch; most are a half inch or less. A few of the stalactites have grown sufficiently long to connect with their corresponding stalagmites, forming a continuous mineral link between ceiling and floor.

The best display of stalactites is in the farthest reach of the foundation, particularly in the general area beneath the surface steps that rise from the roadway. 'The foundation area, however, in which the phenomenon is observed, is not open to the public,' the Park Service said.

'Although the growth rate no doubt varies from year to year, and from place to place beneath the Memorial (completed in 1923), some stalactites appear to be growing at an average rate of more than an inch a year,' Newman and Sullivan said.

Explaining the processes that form the 'dripstone' features, geologist Newman said that the 'stalactites and stalagmites beneath the Lincoln Memorial form in a manner similar to those found in natural caverns in many parts of the world. Water, carrying calcium-carbonate in solution, percolates through cracks in the concrete slab and support-works upon which the Memorial rests.

The source of the calcium carbonate, according to the Survey and NPS spokesmen, is difficult to pin down, but there are several possibilities: the marble flooring and the trim of the Memorial itself, or the mortar used in its construction; the concrete forming

the massive underground foundation; or the cement matrix of the cobbled steps and walkway.

Continuing studies by naturalist Ellsworth Swift are being made to determine accurately the growth rate of the curious stone 'icicles.'

U.S. Winning Conservation Battle

The year 1967 marked another victory for the American people in the continuing effort to preserve undeveloped lands and waters for public conservation and recreation purposes against the encroachment of urban expansion, highways, airports, and similar developments, Secretary of the Interior Stewart L. Udall said.

Citing statistics gathered by the Bureau of Outdoor Recreation, Secretary Udall revealed that during 1967 some 1,715,000 acres of land and water were acquired for permanent public use in forest, park, open space, fish and game, and multipurpose reservoir areas, compared with about 750,000 acres converted to urban and highway development.

This marks the third successive year, Secretary Udall noted, that despite rising land prices, the Nation has set aside more undeveloped acres for conservation than for urban and other development.

"The gains we are making cannot help but make a more beautiful America," Udall declared. "The lands we are saving will mean much to this and future generations in terms both of enhancing the Nation's total environment and in providing needed outdoor recreation opportunities."

Of the total 1,715,000 acres conserved in 1967, Udall said Federal agencies acquired an estimated 810,000 acres and States and their political subdivisions, approximately 905,000 acres.

Liberty Park JCCC Phases Out

A plan to deactivate the Liberty Park Job Corps Conservation Center was announced on February 2. This deactivation will be completed in two phases. The first phase will end on March 1, 1968 with all corpsmen being either transferred or discharged. The second phase will end on March 22, 1968 with the complete demobilization of all center staff activities.

NPS ARTISTS COMPETE

The Merchants' Exchange Employees Association, which is comprised of employees of the Northeast Regional Office, Philadelphia Planning and Service Center, and Solicitor's Office, recently sponsored its first annual Art Show with Grant Cadwallader as Chairman. There were over 80 entries in the show which was judged by Mrs. Lon Garrison, Mr. Ronald Lee, and Mr. Norman Souder.

Judging was based on the following categories: handicraft, painting photography, sculpture, and best of the show. Those receiving awards are as follows:

Best of the Show—Sculpture - "Lady in Waiting" by Paul E. Lederer

First Place—Handicrafts - Ceramic Bottle by Paul E. Lederer

First Place—Painting - "Medal for Patriotism" by Walton D. Stowell

First Place—Photography - "Barba" by James G. Kiryakakis

First Place—Sculpture - "Sprouting Steel IV" by John D. Griffith.

Following the judging, refreshments were served to all.

SKID SCHOOL OPENS

On February 12 a group of National Safety Council experts held classes on acres of specially prepared glare ice at Stevens Point, Wisconsin. Members are teaching college and university professors the ways to avoid skids—and how to control them once they start. The Committee's students, in turn, will teach high school driver education instructors of tomorrow.



National Safety Council Photo

"Eventually, we hope the idea of skid schools will spread to communities across the country," says Ray Prince, secretary of NSC's Committee on Winter Driving Hazards. "Counter-steering to control a skid, for example, is a subject that has been written about a lot," he adds, "but this just isn't something you can learn by reading."

The skid school instructors are drawn from the ranks of veteran Safety Council skid testers. They include an NSC driver education specialist, an auto manufacturer's principal auto safety research engineer, a senior proving ground engineer from another car builder, an insurance company loss prevention engineer, and the executive secretary of the Safe Winter Driving League.

RAINIER RESCUE TRAINING

Superintendent John A. Townsley of Mount Rainier National Park announced that a seven-day winter survival and medical emergencies seminar was held recently at the park to sharpen the skills of rangers who may be involved in winter rescue operations. Park Rangers from Mount Rainier, Olympic, Crater Lake, Lassen Volcanic and Coulee Dam attended the session, along with U.S. Forest Service Rangers from the Snoqualmie and Gifford Pinchot National Forests, and Mountain Rescue Council representatives from Tacoma and Central Washington.



NPS Photo

Mount Rainier National Park

The course began with three days of classroom work designed to prepare the trainees for work in winter search and rescue methods. Doctors Otto Trott, Tom Hornbein and Paul Gerstmann, prominent Puget Sound area physicians and accomplished expedition mountaineers conducted a medical emergencies seminar dealing with specific medical problems encountered in remote mountain accidents. Avalanche hazard recognition and control, winter travel and personal outfitting highlighted the second day's session.

Messrs. Ed Link and Hal Foss, State Department of Civil Defense, led a discussion of the problems of winter survival with instruction in survival psychology, case histories, behavior, diet, clothing and shelter construction. The group then moved into the field for a day of shelter construction practice and equipment checks, followed by a three-day ski and snowshoe tour where the men used no tents, but lived comfortably in snow caves dug into deep drifts on the slopes near Mount Rainier.

Superintendent Townsley stated that summit climbs of Mount Rainier have increased by over 500 percent in the last ten years, and that a continuing training program for search and rescue personnel is vital in providing protection and assistance for the increasing number of people now enjoying this activity.

TRANSFER REIMBURSEMENTS

The financial burden of transfers was a justifiable lament in years past, but fortunately the new regulations that came out in January, 1967 have eased this burden considerably.

DID YOU KNOW:

1. That an employee and one immediate family member may be authorized an advance trip to seek permanent residence quarters in the 48 states and the District of Columbia, when circumstances warrant? Such a trip must be requested, approved and documented on the Travel Authorization. This round trip may not exceed six calendar days, including your travel time. No reimbursements can be made for local transportation expenses other than those to and from depots, airports, etc.

2. That an employee who has not made an advance house-hunting trip to his new duty station shall generally be allowed up to ten days subsistence for himself and immediate family? Such subsistence expenses may be allowed for an additional period not to exceed 20 additional days (30 days total) only when circumstances make the additional time necessary. An explanation must be included in your travel voucher. Reimbursement is allowed **ONLY** for meals, lodging, fees and tip incidental to meals and lodging, laundry, cleaning and pressing of clothing. The amount of reimbursement will be either the actual amount paid by the employee (lodging receipts necessary) **OR** the formula as shown in BOB Circular A-56, whichever is the lesser.

For each 10-day period the formula is as follows:

1st 10-day period: Employee \$12.00 per day.
Each family member, regardless of age: \$8.00 per day.

2nd 10-day period: Employee \$8.00 per day.
Each family member: \$5.33 per day.

3rd 10-day period: Employee \$6.00 per day.
Each family member: \$4.00 per day.

3. That a per diem rate is allowed for the employee's immediate family while traveling to the new official station. The rate varies according to ages of children.

4. That there is an allowance for miscellaneous expenses of \$200.00 for employees with immediate families and \$100.00 for employees without immediate families. This allowance is for the purpose of defraying various contingent costs associated with discontinuing residence at one location and establishing residence at a new location. The above allowance may be paid without being supported by receipts.

5. That certain allowances are given for expenses incurred in connection with real estate transactions and unexpired leases.

These are but a few of the changes in transfer reimbursements. Coax your husband to read FO 4-67 and the Bureau of the Budget Circular A-56, **THEN** discuss your situation with your accounting office.

Betty Lykes, wife of Ira B. Lykes, Park Practice Div. Chief, WASO, passed away January 26. She was instrumental in the founding of the NPS Women's Organization in 1952. A memorial fund in her memory, to be used for youth work, has been established at the Grace Presbyterian Church, Springfield, Va.



Howard R. Stagner, Assistant to the Director, was born September 10, 1907 in Livingstone County, Missouri. He received the B.A. and M.A. degrees from the University of Colorado at Boulder. Following the completion of his studies in 1933, he entered the Park Service as a Ranger-Naturalist at Yellowstone.

In 1952, after nineteen years service in such areas as Grand Teton, Petrified Forest, Mount Rainier, and Sequoia-Kings Canyon National Parks, Mr. Stagner was transferred to Washington to serve as Chief, Division of Natural History. He was promoted to Deputy Assistant Director, Resource Studies, in 1964, and to Assistant to the Director in 1967.

Mr. Stagner has had many special assignments. From 1942 to 1946 he was assigned to investigate the Dorothy Lake Tungsten Deposits in conjunction with a Geological Survey team; to conduct a special lecture course on Military Geology of the Mountain Ranges of Europe and North Africa for ski troops training at Mount Rainier; to represent the NPS Committee on Glaciers at the International Geophysical Union; and to conduct Glacier Recession and Movement Studies at Mount Rainier.

From 1950 to 1954 he served as guest instructor of interpretive methods, California State Parks, and was detailed to Region IV to coordinate the preparation of Interpretive Development Outlines for the region.

From 1955 to 1960 he was assigned to the MISSION 66 Task Force. During this period he authored or co-authored a number of publications, the foremost of which is "The National Park Wilderness," an illustrated brochure published in 1957.

Mr. Stagner was granted the Interior Department's Meritorious Service Award in 1966.

He and his wife, Sylvia, reside in Bethesda, Maryland. They have three children, Nancy, Marylyn, and Robert.

People on the move . . .

NEW FACES

Bullion, James S., to Classification-Wage Spec., MWRO
Graul, Herbert G., to Personnel Mgmt. Spec., NCR
Solomon, Howard H., to Concessions Analyst, SFSC
Dixon, Joyce B., to Realty Asst., WASO

NEW FACES

Burroughs, Carroll A., from Asst. Supt., Everglades NP, to Gen. Supt., Flagstaff Group
Chandler, Robert S., from Center Dir., Harpers Ferry JCCC, to Asst. Supt., Mount Rainier NP
Cordova, Peter, from Engr. Tech., Big Bend NP, to Foreman II (Maintenance), Wupatki-Sunset Crater NM
Corson, James W., from Pk. Planner, WASO, to Supt., Colonial NHP
Crothers, George R., from Landscape Gardener, ENCP, to same, CNCP
Darmstead, Juanita H., from Sec. Steno., WASO, to same, NCR
Harrison, William H., from Admin. Off., Fire Island NS-NYC Group, to Acct. Off., WASO
Haskett, James N., from Supt., Fort McHenry NM & HS, to Hist. (Pk. Supv.), Colonial NHP
Lee, Daniel E., from Supv. District Pk. Ranger, Blue Ridge Pky., to Supt., Custer Battlefield NM
Lessig, Charles W., from Arch., WSC, to same, MWRO
Lusk, H. Gilbert, from Hist., Booker T. Washington NM, to Supv. Hist., Cape Hatteras NS
Madden, Robert R. from Hist. Fort Frederica NM, to same, Great Smoky Mtns. NP
Miller, Joseph R., from Foreman III (Maintenance), Bandelier NM, to Maintenance Supt., Canyonlands NP, Arches & Natural Bridges NM
Moorhead, Bruce B., from Pk. Ranger, Zion NP, to Staff Pk. Ranger (Wildlife Mgmt.), Olympic NP
Nelson, Richard G., from Pk. Ranger, Olympic NP, to same, Hot Springs NP
Olson, David L., from Supply Asst., Grand Teton NP, to Gen. Supply Spec., Cape Hatteras NS
Pression, Roland, from Cartographic Tech., SFSC, to same, WASO
Scott, Ernest O., from Pk. Ranger, Sequoia-Kings Canyon NP, to same, Coulee Dam NP
Sparks, Elias, from Operator (Gen.), NCR, to same, NNCP
Todd, James W., from Supv. Pk. Ranger, Dinosaur NP, TO SAME, Yosemite NP
Wadase, Donald S., from Deputy Dir. for Work Programs, Catoctin JCCC, to Center Dir., Acadia JCCC
Wallace, William F., from Supv. Pk. Ranger, Canyon de Chelly NM, to Supt., Gran Quivira NM

JOINING THE ALUMNI

Robertson, Gordon W., from Hydraulic Engr., WSC
Warren, Margaret J., from Fiscal Acct. Clk., MWRO

Top Yosemite Students

Yosemite, like any community, takes pride in the achievements of its young people. There are many outstanding students in Yosemite's Elementary and High School. Among them is Ronette Goick, the daughter of District Ranger George Goick and his wife, Wanda. Ronette graduated from the eighth grade last year as an honor student. She was the recipient of the American Legion's Outstanding Girl Award, based in part on honor, scholarship, and leadership. Ronette served as student body president and was one of the several NPS young people to win an outstanding track award at last year's spring county-wide track meet.

Virginia Ann Parker, the daughter of Ralph Parker graduated from high school at the top of her class. The Yosemite Scholarship Committee, which is supported by funds from the Yosemite Community Council, announced that Virginia has been awarded a \$450.00 scholarship. She plans to use this scholarship at Diablo Valley College to further her studies in music.

Congratulations, Ronette and Virginia.

Awards

Mrs. Lois D. Bogle recently received a SPECIAL ACT AWARD in recognition of the exceptional manner in which she performed her duties as Supply Clerk for the Natchez Trace Parkway. In addition to her regular duties, she also performed many of the duties of the General Supply Specialist as this position was vacant for five months.



The award was presented to Mrs. Bogle by Superintendent Joseph C. Rumburg, Jr., during a ceremony held at the Natchez Trace Parkway Headquarters at Tupelo. In the course of making the presentation Superintendent Rumburg said, "Mrs Bogle's efforts have constituted a major contribution toward the continued progress of the Natchez Trace Parkway."

Mrs. Bogle, who was recently promoted to the position of General Supply Assistant, has been with the National Park Service, U.S. Department of the Interior for four years.

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