

U.S. Bureau of Reclamation to use revenue from the sale of hydropower to make its water projects "pay out." However, in his announcement of 1 February, Udall disclosed that the administration no longer considers it necessary to build a dam at Marble Canyon, part of the Grand Canyon of the Colorado, as a means of financing the Central Arizona Project (CAP), which would provide an aqueduct to bring water from the Colorado to the Phoenix and Tucson areas. After the most thorough economic and engineering analysis the Interior Department had ever made of a water project, Udall said, it was concluded that CAP should be financed through the sale of water for municipal and industrial uses, possibly together with the imposition of an ad valorem tax (principally in the Phoenix and Tucson areas). The administration would have the boundaries of Grand Canyon National Park extended northward to embrace the Marble Canyon dam site.

As for the Hualapai dam site, in Bridge Canyon (south of the national park), Udall recommended that Congress reserve to itself the right to decide whether or not a dam should be built there. This would mean extending the moratorium, which expired 31 December, on licensing by the Federal Power Commission of any dam construction project in Grand Canyon by nonfederal interests.

The Interior Department would enter into an agreement with Western Energy and Transmission Associates, a power combine, for purchase of the electricity needed to pump CAP water. The combine would receive a payment of \$80 million to \$100 million before building a coal-fired steam-generating plant at Page, Arizona, and, later, one in southern Utah. This arrangement is calculated to preserve the peace between public and private power interests in the Colorado basin.

There seems little likelihood, however, that either the administration's revised plan for CAP or any of the congressional proposals for an ambitious water resources plan for the entire Southwest will be adopted by Congress this year. The reclamation states are divided against themselves. The California and Colorado delegations in Congress are expected to oppose CAP unless it is part of a broad regional water-development scheme. Such a plan would have to include, among other things, the Hualapai dam and a study of the feasibility of importing

water to the Colorado basin from water-surplus areas such as the Columbia basin. The importation study proposal is anathema to senators and congressmen from the Northwest.

The Johnson administration favors a broad study of all major U.S. water requirements by a National Water Commission. But even this seemingly modest proposal faces formidable hurdles in a Congress in which many Westerners find it hard to kick the habit of thinking of water resources in strictly regional terms. A bill sponsored by Senator Henry M. Jackson (D-Wash.) to establish such a commission was passed by the Senate on 6 February, but its prospects in the House are not bright. —L.J.C.

AAAS Study of Science and Secrecy

The AAAS Committee on Science in the Promotion of Human Welfare is seeking the cooperation of scientists for a study of the effects of secrecy on research in the natural and social sciences. The study will cover matters related both to defense and nondefense research.

The committee desires case studies detailing scientists' experience with secrecy requirements in industrial, academic, and federal, state, and local research activities. Confidentiality is assured, if requested, but the Committee prefers cases that have been or may be publicly discussed. A preliminary report on the findings of the study will be given at a symposium at the December 1967 AAAS meeting to be held in New York.

Communication should be addressed to the committee chairman, Margaret Mead, American Museum of Natural History, Central Park West, at 79th St., New York, 10024.

Appointments

James I. Vette, at Space Physics Laboratory of the Aerospace Corp., Los Angeles, where he conducted satellite research, to director of the National Space Science Data Center now under construction at the Goddard Space Center, Greenbelt, Md. . . . **Samuel S. Herman**, deputy associate director of extramural activities, National Cancer Institute, to associate director for extramural research, Division of Environmental Health Sciences, National In-

stitutes of Health. . . . **Robert M. Walker**, from the General Electric Research Laboratories, Schenectady, N.Y., to Washington University where he will be McDonnell Professor of Physics and director of the newly established Laboratory for Space Physics. . . . **Samuel Ritvo**, clinical professor of the Yale University Child Study Center and the department of psychiatry, to president-elect of the American Psychoanalytic Association. . . . **Henry G. Wagner**, director of the Aerospace Crew Equipment Laboratory at the Naval Air Engineering Center, Philadelphia, to Associate Director for Intramural Research of the National Institute of Neurological Diseases and Blindness. . . . **David S. Pollen**, Deputy Executive Director of the Federal Communications Commission, to Deputy Associate Commissioner for the Bureau of Research, U.S. Office of Education. . . . **Robert J. Robinson**, Deputy Director of the Food and Drug Administration's Bureau of Medicine, to director of medical affairs for Hoffman-La Roche, Inc., a Nutley, N.J. producer of drugs, chemicals, and vitamins. . . . **Robert H. Simpson**, associate director of the U.S. Weather Bureau, to succeed retiring Gordon E. Dunn as director of the National Hurricane Center in Miami. . . . **Murray Gell-Mann**, associate professor of physics at the California Institute of Technology, to the newly established Robert Andrews Millikan professorship in physics. . . . **Melvin Henriksen**, professor and head of the department of mathematics at Case Institute of Technology, to chairman of the combined mathematics department of Case and Western Reserve University. . . . **Gonzalo E. Aponte**, research collaborator at Brookhaven National Laboratory, Long Island, to professor and head of the department of pathology at the Jefferson Medical College and Medical Center and director of the Clinical Laboratories at Jefferson Hospital.

Recent Deaths

Mary H. Swindler, 83; professor emeritus of classical archaeology at Bryn Mawr College and former editor of the *American Journal of Archaeology*; 17 January.

Robert J. Van de Graaf, 65; pioneer in accelerator design; 17 January.

Jerry E. Wodsdalek, 82; professor emeritus of zoology at the University of Minnesota; 5 January.