

scarce talents if not a criminal mismanagement of human resources," Cowan said. The \$460-a-year travel allowance and \$200-a-year supplies-and-equipment budget for each staff scientist would not satisfy the needs even of many graduate students, he added.

Galler points out that the funds appropriated for the museum have been substantially less than the amounts requested. Last year's appropriation, for instance, was about half a million below what was asked. "Our problem is that we are dealing in the executive branch [Bureau of the Budget] and in the Congress with practical-minded, problem-oriented people who think of taxonomists and systematists as guys with green eyeshades or with pith helmets and butterfly nets," Galler said. "They don't realize that [in order to cope with environmental problems] baseline data are essential and that those data are derived through taxonomic and systematics research in the national collections."

As Cowan has noted, by studying the national collections, researchers can determine such things as the natural radiation levels found in planktonic organisms collected before nuclear weapons tests, the load of metallic compounds carried by organisms before air pollution reached its present levels, and the biochemical makeup of organisms collected before DDT and other persistent pesticides came into use.

In past testimony before congressional committees the top Smithsonian officials, while not overlooking needs of the Museum of Natural History, apparently failed to emphasize them. The message given to the Thompson subcommittee was more pointed. The subcommittee's report on the hearings, which is due to appear in September, will call for more ample federal funding for the museum. It may also, however, reflect the belief of subcommittee members that Smithsonian officials should have given the museum higher priority in seeking funds and in allocating those that have been available. Yet the hearings, while broad in scope, were not deeply probing; the record is deficient with respect to how the institution sets its priorities. But certainly some scientists at the museum resent the fact that a number of new Smithsonian programs have been started in recent years while their own programs were financially undernourished.

All told, this seems a propitious time for the Smithsonian's affairs to receive the attention of a group such as the

Thompson subcommittee. For the institution to be held more closely to account for its policies and priorities would be healthy. And by advising the appropriations committees and the Congress on the Smithsonian's needs, the subcommittee may serve as a quietly effective in-House lobby.

—LUTHER J. CARTER

RECENT DEATHS

Robert W. Buxton, 60; chairman, surgery department, University of Maryland School of Medicine; 14 August.

Hugh D. Duncan, 60; professor of sociology, Southern Illinois University; 8 August.

Morton Hamburger, 60; senior member, Cincinnati University College of Medicine; 29 July.

Douglas G. Haring, 76; professor emeritus of anthropology, Syracuse University; 25 August.

William A. Hilton, 91; professor emeritus of zoology, Pomona College, California; 10 August.

Louis B. Hoisington, 87; professor emeritus of psychology, University of Oklahoma; 21 July.

Edgar Huenekens, 84; professor emeritus of pediatrics, University of Minnesota; 23 July.

Muriel M. Hunt, 73; founder, Boston School of Dental Nursing and Mechanical Dentistry; 6 July.

Warren C. Hunter, 75; former chairman, pathology department, University of Oregon; 6 July.

James H. Johnson, 79; former vice president, Virginia State College; 15 July.

Elmer T. Jones, 78; retired entomologist, U.S. Department of Agriculture; 25 July.

Ernest V. Jones, 88; professor emeritus of chemistry, Birmingham-Southern College, 21 July.

Kenneth E. Kellogg, 59; professor of physiology and biophysics, Loma Linda University School of Medicine; 19 July.

Hayward Keniston, 87; former dean, University of Michigan College of Literature, Science and the Arts; 10 August.

William E. Keppler, Jr., 48; extension professor of forestry, North Carolina State University; 2 July.

Otakar Machotka, 70; professor of sociology, State University of New York, Binghamton; 29 July.

Vladi Marmo, 55; director, Geological Survey of Finland; 23 August 1969.

Arnaud C. Marts, 82; former president, Bucknell University; 11 July.

William R. Mickelsen, 47; professor of mechanical engineering, Case Western Reserve University; 27 June.

L. Wallace Miller, 67; professor emeritus of natural science, Chico State College, California; 6 May.

Natalie J. Moir, 55; anthropologist, New York University School of Continuing Education; 19 August.

Hans Molitor, 74; founder and first director, Merck Institute for Therapeutic Research; 5 August.

Rouvine Poliakoff, 90; former professor of engineering, Moscow Technical Institute; 30 July.

Max Reiss, 70; director of research, neuroendocrine research unit, Willowbrook State School, New York; 27 July.

Shawn Schapiro, 45; associate research physiologist, University of California, Los Angeles; 9 August.

Milner B. Schaefer, 57; director, Marine Resources Institute, Scripps Institution of Oceanography; 26 July.

Anthony J. Scullen, 80; former dean, School of Engineering and Architecture, Catholic University; 8 July.

James Simsarian, 63; retired chief, international scientific and technical affairs division, Bureau of International Organization Affairs, U.S. State Department; 24 July.

Benjamin Sullivan, 55; professor of psychology, University of Wisconsin, Milwaukee; 30 June.

Theodore T. Tsaltas, 46; professor of pathology, Thomas Jefferson University Medical College; 15 August.

Otto Warburg, 86; Nobel prize-winning biochemist and cancer researcher; 1 August.

Bernal R. Weimer, 75; former professor of biology, Bethany College; 19 July.

Theodore P. Wright, 75; retired vice president for research, Cornell University; 21 August.

William W. Zorbach, 53; professor of chemistry, Michigan Technological University; 28 June.

Erratum: In "Global energy balance" by D. A. Berkowitz (31 July, page 426), line 19, column 3 should read: " 2.7×10^{-2} watt/m² of land area."

Erratum: The second sentence of the cover legend (24 July, page 313) should have read "Mercury, whose apparent diameter is about 1/160 that of the sun, . . ."

Erratum: In "L-Dopa: effect on concentrations of dopamine, norepinephrine, and serotonin in brains of mice" by G. M. Everett and J. W. Borcharding (15 May, p. 849), a reference [G. Bartholini, M. DaPrada, A. Pletscher, *J. Pharm. Pharmacol.* 20, 228 (1968)] should be added to the first complete sentence on page 850.