ated in order to devise the blueprints for the organization of the agency. This Preparatory Commission, according to Annex I of the statute, shall make studies, reports, and recommendations for consideration by the first session of the general conference and the first meeting of the board of governors on the financing of the agency, its program of work, and its budget. It shall also make recommendations concerning the location of the permanent headquarters of the agency and the agreements defining the relationship to the United Nations and to other international organizations working on specific aspects of atomic energy problems.

The commission held its first meetings at United Nations headquarters immediately upon the conclusion of the conference on the statute on 26 Oct. 1956. Its executive secretary, Paul Rodolphe Jolles, came to New York from Switzerland to take up his duties.

The text of the statute of the International Atomic Energy Agency is available as document IAEA/CS/13.

Eastern TB Committee

The International Conference on Tuberculosis that took place in New Delhi, India, recently established a permanent Eastern regional committee to intensify operations for the control of TB. Its headquarters will be in New Delhi. P. V. Benjamin, tuberculosis adviser to the Indian Government, was elected president of the committee, which will be composed of 21 Asian members. They include Australia, Burma, People's Republic of China, Cambodia, Hong Kong, South Korea, South Vietnam, Pakistan, Singapore, and the Philippines.

The committee will meet once a year in the various capitals to pool knowledge and resources and to evolve a common program to combat tuberculosis. The group will operate as part of the International Union against Tuberculosis, which has its headquarters in Paris.

Teachers Institute

Some 45 high-school teachers will spend the 1957–58 academic year at Harvard University in an Institute for Teachers of Science and Mathematics. The fellows will receive cost-of-living grants and tuition. The institute is part of a nation-wide program of academic-year and summer institutes supported by the National Science Foundation.

The program of study will include both standard scientific courses that have been adapted to meet the needs of secondary-school teachers and special seminars. Edwin O. Kemble, a theoretical physicist with considerable experience in teaching both the elementary and advanced aspects of his subject, will be director of the institute.

The program is open to experienced teachers of science under 50 years of age, to younger teachers of ability who feel the need for additional background training, and to teachers who are under pressure to teach sciences outside the scope of their own basic college training. Application for admission must be completed *by 21 Feb.*

Applied Mathematics at Brookhaven

An applied mathematics division has been established at Brookhaven National Laboratory, Upton, N.Y. Milton E. Rose, a mathematician for the Office of Naval Research, Washington, D.C., has been appointed head of the division and will assume his duties this month.

As its chief tool, this new division will operate a high-speed digital computer that will be used chiefly for basic research and engineering development work. The final design characteristics of the computer are being planned jointly by members of the applied mathematics division and the instrumentation division, under the direction of William A. Higinbotham, head of the latter. Construction has already started on the machine, which is expected to be in operation in less than 2 years.

Collaboration Invited at Brookfield Zoo

The Chicago Zoological Society has recently initiated a program designed to promote research at the Zoological Park at Brookfield, Ill. The collaboration of investigators from the Chicago area and elsewhere is invited.

Provided that there is no interference with the health or exhibition use of the animals, basic or utilitarian research proposals are welcomed in the fields of behavior, physiology, pathology, parasitology, and evolution. In general, financial support for projects must come from outside sources. Projects are passed on by the scientific advisory committee of the society, which consists of Alfred E. Emerson, department of zoology, University of Chicago; Smith Freeman, chairman of the department of biochemistry, Northwestern University Medical School; Karl P. Schmidt, chief curator of zoology emeritus, Chicago Natural History Museum; Robert Bean, director of the Chicago Zoological Park; and Tappan Gregory of Chicago, a lawyer and naturalist.

Among the studies the society is currently assisting are continuing investigations by A. H. Riesen of the University of Chicago on the dependency of behavior in primates on initial visual experiences [an early report appeared in *Science* **106**, 107 (1947)] and work on the importance of the enzyme cholinesterase in central nervous system activity by J. Bernsohn of the Veterans Administration Hospital at Hines and the Northwestern University Medical School.

Some space and laboratory facilities in the animal hospital at the park are available for research activities. The bacteriologist at the hospital, Evelyn B. Tilden, and the veterinarian, Weaver M. Williamson, will be available for consultation and assistance on some research projects.

Since November 1956, the program has been under the direction of George B. Rabb, curator and coordinator of research. Inquiries should be addressed to him at the Chicago Zoological Park, Brookfield, Ill.

Proposed Legislation

Of the many bills introduced in Congress, some have a special relevance to science and education. A list of such bills introduced recently follows:

HR 503. Protect public health by regulating manufacture, compounding, processing, distribution, and possession of habit-forming barbiturate and amphetamine drugs. Byrnes (R Wis.) House Interstate and Foreign Commerce.

HR 613. Provide for establishment of U.S. Foreign Service Academy. Donohue (D Mass.) House Foreign Affairs.

HR 560. Establish programs to facilitate procurement of scientists and technicians for armed forces. Bennett (D Fla.) House Armed Services.

HR 564. Facilitate procurement of doctors of medicine and doctors of dentistry for armed forces, by providing grants and scholarships for education in medical and dental professions. Bennett (D Fla.) House Armed Services.

S J Res 17. Establish Joint Committee on Scientific Research, Thye (R Minn.) Senate Labor and Public Welfare.

HR 562. Establish in Department of Health, Education, and Welfare an Office for Senior Citizens. Bennett (D Fla.) House Education and Labor.

HR 612. Establish sound and comprehensive national policy re fisheries; create and prescribe functions of U.S. Fisheries Commission; strengthen fisheries segment of national economy. Donohue (D Mass.) House Merchant Marine and Fisheries.

S 305. Amend Mineral Leasing Act for acquired lands to require competitive bidding for leases of deposits of oil and gas not within any known geologic struc-

ture of a producing oil or gas field. Williams (R Del.) Senate Interior and Insular Affairs.

S 334. Amend sec. 27 of Mineral Leasing Act of 25 Feb. 1920, as amended (30 U.S.C., sec. 194), to promote development of phosphate on public domain. Murray (D Mont.), Mansfield (D Mont.), Scott (D N.C.) Senate Interior and Insular Affairs.

S 342. Implement 10-year Mission 66 plan undertaken for public benefit re rehabilitation, improvement, and preservation of National Park System. Watkins (R Utah) Senate Interior and Insular Affairs.

HR 595. Amend Atomic Energy Act of 1954 re transfer of restricted data for military purposes. Cole (R N.Y.) Atomic Energy.

HR 601. Provide rewards for information re illegal introduction into U.S., or illegal manufacture or acquisition in U.S., of special nuclear material and atomic weapons. Cole (R N.Y.) Atomic Energy.

HR 576. Authorize Secretary of Interior to construct, operate, and maintain in upper Snake River Valley, Idaho and Wyoming, the Narrows federal reclamation project and a regulating reservoir below Palisades Dam and Reservoir. Budge (R Idaho) House Interior and Insular Affairs.

Scientists in the News

H. POLAK, former scientific attaché at the Netherlands Embassy in Washington, D.C., joined the Atomics International Division of North American Aviation Inc., Los Angeles, Calif., on 1 Feb.

THOMAS GOLD, chief assistant to the Astronomer Royal of Great Britain for the past 4 years, became a professor of astronomy at Harvard University on 1 Feb. Recently he has been serving as a visiting professor at Cornell University, where he has been teaching cosmic radiation and radio astronomy.

Gold is known for theoretical and instrumental studies in a wide range of astronomical phenomena. He is one of England's Cambridge group of cosmologists which put forward the thesis of continuous creation of matter in the universe. He also demonstrated the possibility that dark regions on the moon are great dust layers rather than massive flows of lava. In earth studies, he worked out the mechanics of a possible shifting of the north and south poles. The shifting of the poles is one hypothesis advanced to explain how ice once covered regions now in the tropics.

Gold's latest work is a detailed analysis of the burst of cosmic radiation, largest on record, that resulted from the solar flare of 23 Feb. 1956. This study includes cosmic radiation, and ionospheric, magnetic, and solar data.

Rear Admiral RICHARD E. BYRD has canceled plans to join the American expedition in the Antarctic so that he may remain in Washington to supervise preparation of legislation which would set up a presidential commission to coordinate all polar operations. The proposed commission, a plan for which has been drafted by James E. Mooney, an associate of Byrd's, would serve as a central clearinghouse for such explorations.

WINDSOR C. CUTTING has resigned as dean of the Stanford University Medical School. No reason was given in the university's announcement, which was made public on 23 Jan.

DOUGLAS H. EWING, vice president of RCA Laboratories, has been named vice president, research and engineering, of the Radio Corporation of America. He will be responsible in his new position for RCA Laboratories and RCA's Engineering Services. The new appointment was one of several announced in RCA's research and engineering organizations. The others follow.

JAMES HILLIER, who has been chief engineer, RCA Commercial Electronic Products, has been named general manager, RCA Laboratories.

GEORGE H. BROWN, who has been director of the Systems Research Laboratory, RCA Laboratories, is now chief engineer, RCA Commercial Electronic Products.

HUMBOLDT W. LEVERENZ, who has been director of the Physical and Chemical Research Laboratory, RCA Laboratories, has been appointed assistant director of research, RCA Laboratories. All of the new appointees, with the exception of Brown, will make their headquarters at the David Sarnoff Research Center, Princeton, N.J. Brown will have his office in Camden, N.J.

NICHOLAS J. HOFF, professor and head of the aeronautical engineering department at Polytechnic Institute of Brooklyn, N.Y., has been appointed professor and executive head of the new Division of Aeronautical Engineering at Stanford University, effective 1 Sept. Aeronautical engineering, heretofore in the university's department of mechanical engineering, will be established as an autonomous division in the School of Engineering.

DAVID H. MORGAN, former president of Texas Agricultural and Mechanical College, has been appointed director of college relations for the Dow Chemical Company. One of his major functions will involve liaison with institutions of higher learning to encourage industry-education cooperation for the advancement of science and engineering and to stimulate student interest in the various scientific fields.

HERBERT P. BROIDA has been selected to head the newly organized Free Radicals Research Section at the National Bureau of Standards. ARNOLD M. BASS has been named assistant chief of the section, and JAMES W. MOYER is consultant. The section will serve as the central laboratory for a national program of basic research in free radicals. The object of the program is to increase fundamental knowledge of the formation, properties, and storage of these highly reactive molecular fragments.

Broida will be serving in a dual capacity as chief of the new section and as technical coordinator of research on free radicals throughout the bureau. In the latter area, he will be responsible for the fostering of interest on the part of individuals in the various NBS technical divisions, furnishing of technical advice to those undertaking free radicals research, and maintenance of a comprehensive information and communication service on this program.

Recipients of the 1956 Nash conservation awards have been announced by the American Motors Corporation. Ten professional workers, selected as typifying America's professional conservationists, each will receive $500 and a bronze plaque. In addition, plaques will be awarded to 10 nonprofessional conservationists, whose contributions to the conservation of natural renewable resources (soil, water, forest, fish, and wildlife) were made as acts of good citizenship. The winners were selected by a committee of conservationists from nominations submitted by officials of state, federal, and private conservation agencies.

Winners in the professional class are as follows:

MARSHALL T. AUGUSTINE, Annapolis, Md., work unit conservationist for the U.S. Department of Agriculture's Soil Conservation Service, for his enthusiasm and leadership in promoting sound soil and water conservation practices in Anne Arundel County, particularly in the combatting of soil erosion.

RICHARD J. DORER, St. Paul, Minn., supervisor of the Bureau of Game, Minnesota Department of Conservation, for his long years of effort to create and preserve proper habitat for wildlife, and particularly for his part in launching the "Save Minnesota's Wetlands" campaign.

CHARLES D. KELLEY, Montgom-