

The American Sociological Society's MacIver lectureship for 1958-59 has been awarded to REINHARD BEN-DIX, research associate at the University of California's Institute of Industrial Relations, for his book, *Work and Authority in Industry*. The presentation took place during the society's recent annual meeting at the University of Washington. The annual lectureship, named for Robert N. MacIver, former Lieber professor of sociology at Columbia University, is granted to the author, or authors, of a publication which has contributed outstandingly to the progress of sociology during the two preceding years. The winner receives \$500 and an invitation to deliver a lecture on his work to a selected group of sociologists. No award was made last year.

BERNARD LEWIS is the first recipient of the Bernard Lewis Medal of the Combustion Institute. The gold medal, newly established by the institute to honor a major contribution to the science of combustion, was recently presented to Lewis at the opening meeting of the seventh International Symposium on Combustion at the Royal Institution, London, England. He was cited for "brilliant research in the field of combustion, particularly on minimum ignition energy." Lewis has served as president of the Combustion Institute since its incorporation in 1954. He is also president of the consulting firm, Combustion and Explosives Research, Pittsburgh, Pa.

Another gold medal, the Alfred C. Egerton Medal, was awarded to ALFRED C. EGERTON, professor emeritus of the Imperial College of Science and Technology, London, and chairman of the British Section of the Combustion Institute, "for his distinguished, continuing, and encouraging contributions to the field of combustion."

The Combustion Institute Silver Medal was given to SEIICHIRO KUMAGAI and HIROSHI ISODA of the University of Tokyo, Japan, in recognition of "an outstanding paper" presented at the Sixth Symposium on Combustion at Yale University in 1956.

The Postgraduate Division of the prosthetic department of the New York University College of Dentistry has announced a reception and dinner honoring JOSEPH S. LANDA "for his 33 years of leadership as a teacher, clinician and researcher in dentistry and for his humane, dedicated and benevolent service in the interests of his colleagues, his community and his country." The dinner will take place on 22 January 1959 at the Hotel Belmont Plaza in New York. The subscription is \$10. Reservations should be mailed to: Dr. Sidney I. Silverman, Chairman, 80 Park Ave., New York 16, N.Y.

ROBERT W. BATEY has been appointed director of food technology for Foster D. Snell, Inc., New York. Formerly Batey was associated with the George S. May Company as a consultant for the installation of business control systems and at Tenco, Inc., soluble coffee processors, as head of the Process Control Section.

DONALD C. GREAVES, associate professor of psychiatry at the University of Oklahoma School of Medicine, has accepted an appointment as chairman of the department of psychiatry at Kansas University Medical Center.

The American Meat Institute Foundation has selected BETTY M. WATTS, professor of foods and nutrition at Florida State University, as recipient of the F. C. Vibrans' Senior Scientist Award for 1958.

H. O. HENDERSON of West Virginia University has been presented with the \$1000 Teaching Award in Dairy Production of the National Dairy Products Corporation.

G. WILLIAM SCHNEIDER, professor of horticulture at North Carolina State College, has been appointed head of the horticulture department at the University of Kentucky.

RICHARD B. MARSTON is transferring from the Intermountain Forest and Range Experiment Station to the Central States Forest Experiment Station at Columbus, Ohio, where he will be project leader in watershed management research for Ohio. Marston has been with the Forest Service for 19 years, all of them spent at the Intermountain Station. He is leaving the position of acting leader of the Wasatch Research Center at Ogden, Utah.

JOSEPH M. GINSBURG has returned to the United States after 2 years in foreign service and has resumed his duties at Rutgers University and the New Jersey Agricultural Experiment Station as research specialist in entomology, toxicology. He has been fulfilling a State Department Point-4 assignment in Israel, where he was adviser to the Israeli Ministry of Agriculture in toxicology and plant protection problems.

BERTRAM G. WOODLAND has been appointed associate curator of economic geology at the Chicago Natural History Museum. Woodland has been an assistant professor at Mount Holyoke College, where he taught geology, mineralogy, and geography. He has also acted as a consultant for Petroleo Brasileiro Depex of Rio de Janeiro and the

Vermont Geological Survey. His field work has included geological studies in central France and in Great Britain.

## Recent Deaths

WILLIAM A. ADOLPH, New Haven, Conn.; 68; biochemist who went to China in 1915 as a chemistry instructor at Cheeloo University, Tsinan; president of Yenching University in Peiping, 1947; taught at the universities of Nebraska and Illinois, at Yale and Cornell universities, at the American University in Beirut, Lebanon; 23 Sept.

JANET S. BALDWIN MAIER, New York, N.Y.; 50; head of the children's cardiac clinic at Bellevue Hospital since 1944 and chief of the Children's Cardiac Disease Clinic at Lenox Hill Hospital since 1945; associate professor of pediatrics at New York University College of Medicine; author of *Heart Catheterization*; 17 Sept.

HOWARD L. KING, Port Washington, N.Y.; 68; vice president and chief engineer of the Mason & Hanger-Silas Mason Company; directed construction of part of the Lincoln Tunnel and helped to build the Holland and Brooklyn-Battery tunnels; 21 September.

H. EVANS LEITER, New York, N.Y.; 51; urologist who was an early member of the artificial kidney team project in Mount Sinai Hospital; author of 30 papers on general surgery and urology; 12 Sept.

JOHN P. TURNER, Philadelphia, Pa.; 72; retired police surgeon who was the first Negro to be appointed to the Board of Public Education in 1935; former president of the National Medical Association; 15 Sept.

JOHN B. WATSON, Woodbury, Conn.; 80; founder of the behaviorist school of psychology, resigned as professor of psychology at Johns Hopkins University in the 1930's to enter the advertising business; retired in 1945 as a vice president of the William Estey Advertising Company; former vice president of the J. Walter Thompson agency; from a series of widely publicized experiments in the Phipps Clinic at Johns Hopkins, for the most part on animals, evolved a "psychology of behavior" based on the theory that the human being could be taught to be and to do almost anything—that he could be given personalities and habits; announced his conclusions, which he called "behaviorism," in a paper published in 1913, entitled *Psychology as the Behaviorist Views It*; a founder of the "reinforcement theory," which holds that the response of the higher species, including humans, is guided by the presence or absence of a reward of reinforcement"; 5 Sept.

tific research reserve fund. Dawson (D-Ill.). House Interstate and Foreign Commerce.

No action.

HR 520. Provide for printing as a House document the statement entitled "Introduction to Outer Space." Arends (R-Ill.). House Administration.

No action.

S 3281. Amend Housing Act of 1950 to provide for loans to colleges and universities for science equipment and facilities. Thye (R-Minn.). Senate Banking and Currency.

No action.

HR 13091. Authorize expenditure of funds through grants for support of scientific research. Harris (D-Ark.). House Interstate and Foreign Commerce.

No action.

#### Federal Agencies

HR 11805. Promote the national defense by authorizing the construction of aeronautical research facilities by the National Advisory Committee for Aeronautics necessary to the effective prosecution of aeronautical research. Kitchin (D-N.C.). House Armed Services.

Passed, signed by the President (Public Law 617).

HR 11913. Amend the Public Health Service Act to authorize grants for research and teaching facilities for existing and new medical, dental, and public health schools; extend title VII of that act (re health research facilities) for an additional 3-year period. Roberts (D-Ala.). House Interstate and Foreign Commerce.

No action.

HR 12844. Create an independent Federal Aviation Agency to provide for safe and efficient use of airspace by both civil and military operations, and to provide for the regulation and promotion of civil aviation in such manner as to best foster its development and safety. Church (R-Ill.). House Interstate and Foreign Commerce.

No action, but a similar bill was passed and signed by the President (Public Law 726).

S 3632. Amend Public Law 85-162 to increase authorization for appropriations to the Atomic Energy Commission in accordance with section 261 of Atomic Energy Act of 1954, as amended. Anderson (D-N.M.). Joint Committee on Atomic Energy.

House bill (HR 12009) substituted, passed by House and Senate. (Public Law 412).

HR 12051. Provide for establishment of Bureau of Older Persons within the Department of Health, Education, and Welfare; authorize federal grants to assist in development and operation of studies and projects to help older per-

sons. Libonati (D-Ill.). House Education and Labor.

No action.

HR 11860. Amend the act of 3 March 1915, as amended, to increase the scope of the activities of the National Advisory Committee for Aeronautics (renamed in this act the National Advisory Committee for Aeronautics and Astronautics), to establish in the Congress a Joint Committee on Astronautics, and for other purposes. Fulton (R-Pa.). Select Committee on Astronautics and Space Exploration.

No action.

S 3946. Amend provisions of Public Health Service Act re grants for hospital construction to include institutions for care and treatment of mentally retarded. Yarborough (D-Tex.), Proxmire (D-Wis.). Senate Labor and Public Welfare.

No action.

S 3588. Amend title VI of the Public Health Service Act, as amended, in order to make certain clinics in rural areas eligible for federal aid to diagnostic or treatment centers. Payne (R-Me.), Flanders (R-Vt.). Senate Labor and Public Welfare.

No action.

HR 11414. Amend section 314(c) of Public Health Service Act, to authorize Surgeon General to make certain grants-in-aid for support of public or non-profit educational institutions which provide training and services in fields of public health and in administration of state and local public-health programs. Rhodes (D-Pa.). House Interstate and Foreign Commerce.

Passed, signed by the President (Public Law 544).

S 3593. Amend the Atomic Energy Community Act of 1955 in order to authorize the Atomic Energy Commission to dispose of certain property for college purposes. Gore (D-Tenn.), Kefauver (D-Tenn.). Joint Atomic Energy.

No action.

S 3604. Amend the act of 3 March 1915, which established the National Advisory Committee for Aeronautics, and establish the National Astronautics Agency. Case (R-S.D.). Special Committee on Space and Astronautics.

No action, but a similar bill (HR 12575) became law (Public Law 568) [*Science* 128, 582 (12 Sept. 1958)].

#### Conservation

S 3619. Establish a National Wilderness Preservation System for the permanent good of the whole people, to provide for the protection and administration of the areas within this system by existing federal agencies and for gathering and dissemination of information to increase the knowledge and ap-

preciation of wilderness for its appropriate use and enjoyment by the people, to establish a National Wilderness Preservation Council. Neuberger (D-Ore.). Senate Interior and Insular Affairs.

No action.

S 3753. Provide that the Secretary of Interior shall develop and carry out an emergency program for eradication of starfish in Long Island Sound and adjacent waters. Bush (R-Conn.). Senate Interior and Insular Affairs.

No action.

S 3898. Authorize the establishment of the Indiana Dunes National Monument. Douglas (D-Ill.). Senate Interior and Insular Affairs.

No action.

HR 13138. Amend act of 10 March 1934 to provide for more effective integration of a fish and wildlife conservation program with federal water-resource developments. Boykin (D-Ala.). House Merchant Marine and Fisheries.

Passed, signed by the President (Public Law 624).

S 3695. Authorize an increased program of research on forestry and forest products. Humphrey (D-Minn.). Senate Agriculture and Forestry.

No action.

S 3582. Authorize the establishment of a Youth Conservation Corps to provide healthful outdoor training and employment for young men and to advance the conservation, development, and management of national resources of timber, soil and range, and of recreational areas. Humphrey (D-Minn.), Murray (D-Mont.), Neuberger (D-Ore.), Proxmire (D-Wis.), Jackson (D-Wash.). Senate Labor and Public Welfare.

No action.

#### Commerce

HR 10266. Extend for 1 year certain programs established under Domestic Tungsten, Asbestos, Fluorspar, and Columbium-Tantalum Production and Purchase Act of 1956. Aspinall (D-Colo.). House Interior and Insular Affairs.

No action, but a similar bill (S 3186) was vetoed by the President.

HR 7454. Amend the Tariff Act of 1930 to provide for free importation by colleges and universities of sound recordings and film to be used by them in certain nonprofit radio and television broadcasts. Eberharter (D-Pa.). House Ways and Means.

Passed, signed by the President (Public Law 458).

S 3892. Stabilize production of copper, lead, zinc, acid-grade fluorspar, and tungsten from domestic mines by providing for stabilization payments to producers of ores or concentrates. Murray (D-Mont.). Senate Interior and Insular Affairs.

No action, but a similar bill (S 4036) passed by Senate was killed by the House on 21 August.

HR 10404. Amend Federal Food, Drug, and Cosmetic Act for protection of public health, by prohibiting new food additives which have not been adequately pretested to establish their safe use under conditions of their intended use. Williams (D-Miss.). House Interstate and Foreign Commerce.

No action, but a similar bill (HR 13254) was passed (Public Law 929).

HR 12771. Restore (for 1 year) the duties on aluminum and aluminum products established in the Tariff Act of 1930. Baker (R-Tenn.). House Ways and Means.

No action.

HR 13069. Stabilize production of copper, lead, zinc, acid-grade fluorospar, and tungsten from domestic mines. Aspinall (D-Colo.). House Interior and Insular Affairs.

No action.

S 3900. Liberalize tariff laws for works of art and other exhibition material. Javits (R-N.Y.). Senate Finance.

No action.

S 3595. Amend section 406 of the Federal Food, Drug, and Cosmetic Act in order to provide that maximum concentrations for certain color additives used in coloring oranges be prescribed by regulation. Holland (D-Fla.). Senate Labor and Public Welfare.

No action.

S 3537. Encourage discovery, development, and production of manganese-bearing areas in U.S., its territories and possessions. Martin (R-Iowa). Senate Interior and Insular Affairs.

No action.

#### Miscellaneous

S 2994. Provide for holding a White House Conference on Aging to be called by President of U.S. before 31 December 1958, to be planned and conducted by Special Staff on Aging of the U.S. Department of Health, Education and Welfare with assistance and cooperation of other agencies of that department and of other departments and agencies represented on Federal Council of Aging; assist several states in conducting similar conferences on aging prior to White House Conference on Aging. Neuberger (D-Ore.), Kefauver (D-Tenn.). Senate Labor and Public Welfare.

No action, but a similar bill (HR 9822) was passed and signed by the President (Public Law 908).

H Res 556. Express sense of House of Representatives in favor of continued testing by U.S. of nuclear and thermonuclear devices. Hillings (R-Calif.). Joint Committee on Atomic Energy.

No action.

HR 11838. Supplement the act of 3 July 1952 by providing for construction of a full-scale demonstration plant in Ventura County, Santa Barbara County, San Luis Obispo County, or Monterey County, Calif., for the production of fresh water from salt water. Teague (R-Calif.). House Interior and Insular Affairs.

No action, but a similar bill (SJ Res 135) became Public Law 883.

S 3539. Amend part VI of subtitle C, title 10, U.S. Code to authorize Secretary of Navy to take possession of naval oil shale reserves. Allott (R-Colo.). Senate Armed Services.

No action.

H Con Res 325. Authorize Joint Committee on Atomic Energy to print for its use 10,000 copies of the public hearings on the physical research program as it relates to atomic energy. Price (D-Ill.). House Administration.

Became law 24 July, 1958. No presidential approval required.

HR 11363. Amend Communications Act of 1934 to prohibit subliminal projection by television stations. Hosmer (R-Calif.). House Interstate and Foreign Commerce.

No action.

#### Résumé

Of the 94 bills described in *Science* since last January, 69 have been reported on in this article and the one published in the 3 October issue. Of these 69, 46 received no action, 20 were passed in some form, and of the remaining three, one was killed in Congress, one was vetoed by the President, and the provisions of the last were dropped from a similar but more inclusive bill.

#### News Briefs

The Atomic Energy Commission has announced that a new facility at Oak Ridge National Laboratory, designed to demonstrate on a pilot-plant scale the processing of long-lived radioactive fission products, has started preliminary operations. The \$2.2 million facility, known as the Multicurie Fission Products Pilot Plant, will be used to isolate large quantities of radioisotopes for peaceful applications, principally in the industrial field.

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A solar furnace designed for laboratory testing of materials for protecting soldiers against thermal effects of nuclear and other weapons has been placed in operation at Headquarters, Quartermaster Research and Engineering Command, Natick, Mass. The new furnace, the largest in the United States, pro-

duces a radiation flux sufficiently high to destroy materials and burn protected skin with exposure time of less than one second over a circular area 4 inches in diameter in a vertical plane. A solar image of this size is formed by an array of 180 concave, rectangular concentrating mirrors arranged on a spherical surface so that the images of all are superimposed at the target.

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American colleges and universities are planning to build at least 172 new physics buildings in the near future, at an estimated cost of \$240,310,000, according to a survey made by the American Association of Physics Teachers. The survey, which was conducted by the association's Committee on Design of Physics Buildings, covered 540 U.S. colleges and universities where it is possible to obtain a major in physics.

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Nagoya University in central Japan plans to establish a cosmic ray research station equipped with a reflecting telescope. The telescope, which is to be completed within 2 years, will be 43 feet long and 16.5 feet in diameter, with a mirror 13.2 feet in diameter. The instrument was designed by Yatare Sekido of the university.

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*Reports and Analyses of Satellite Observations*, sixth in the International Geophysical Year Satellite Report Series, has been published by IGY World Data Center A, National Academy of Sciences, Washington 25, D.C. It is available from the academy's Publications Office for \$1 a copy.

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*Science Explores our World* is a report of the International Geophysical Year programs prepared for secondary school students that sells for 15 cents per copy. It was written by Hugh Odishaw, executive director of the U.S. National Committee for the IGY, and published by Wesleyan University, Middletown, Conn., in cooperation with the U.S. National Committee.

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Geodesists are needed in various federal agencies in Washington, D.C., and throughout the United States, the U.S. Civil Service Commission has announced. The principal users are the Coast and Geodetic Survey, the Navy Hydrographic Office, the Army Map Service, the Inter-American Geodetic Survey, and the Aeronautical Chart and Information Center. The salaries range from \$4040 to \$12,770 a year. Further information and application forms may be obtained at many post offices throughout the country, or from the U.S. Civil Service Commission, Washington 25, D.C.