

general areas of education. The new school will administer programs of teacher preparation leading to the Master of Arts in Teaching degree and also will be the administrative unit for a variety of interests of the department.

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The Atomic Energy Commission has established an Office of Hearing Examiner to conduct assigned hearings. The new office has been set up to fill the commission's requirement for hearings and to keep pace with the growth of the regulatory functions of the commission. The office will be directly responsible to the commissioners. Samuel W. Jensch has been appointed hearing examiner.

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Abstracts of the 319 papers presented at the International Congress of Radiation Research held in Burlington, Vt., 10-16 August, are included in the July 1958 issue of *Radiation Research*, which is the official organ of the Radiation Research Society, published by Academic Press Inc., New York.

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Some 70 nuclear scientists and engineers from nearly 25 countries who are graduates of the International School of Nuclear Science and Engineering at the Argonne National Laboratory will hold an alumni reunion at Geneva, Switzerland, on 6 September during the second United Nations International Conference on the Peaceful Uses of Atomic Energy. This is probably the first alumni reunion of any school or any training program which is totally international in character. Basic support for the alumni day has been provided by the University of Chicago, which operates Argonne under contract with the Atomic Energy Commission.

## Grants, Fellowships and Awards

**Conservation.** The National Wildlife Federation and its state affiliates offer a number of scholarships and fellowships for work in conservation or conservation education. Activities that might be considered appropriate include: teacher training, radio and television, scouting and conservation, curricular problems, farmer-sportsmen relationships, conservation workshop techniques, textbook development, journalism, and state programs. An applicant need not necessarily be enrolled at an institution of higher learning if his project has merit in the cause of conservation. Application blanks, which must be submitted by 1 November, may be obtained from: Executive Director National Wildlife Federation, 232 Carroll Street, N.W., Washington 12, D.C.

**General.** The American Association of University Women has announced 40 fellowships open to women in 1959-60.

They are offered (i) to women who already hold the doctorate and (ii) to women who have completed all requirements for the doctorate except the dissertation. These fellowships are unrestricted as to field and place of study, except that one is specified as postdoctoral in the field of physics, chemistry, or biology. The stipends range from \$2000 to \$4000. Application forms may be obtained from the Director, AAUW Fellowship Program, 1634 I St., NW, Washington 6, D.C. The application deadline is 1 December, and successful candidates will be notified by 1 March 1959.

**Geographic field research.** The National Academy of Sciences-National Research Council will conduct, in 1959, under the financial sponsorship of the Office of Naval Research, its fourth annual program of geographical field research in foreign areas.

The objective of the program is to strengthen American Geography by stimulating greater participation by young Americans in field research in areas outside of the English-speaking areas of North America. Support will be made available not only to young geographers but also to young scientists in related fields, such as geomorphology, climatology, ecology, and pedology.

The program is designed primarily for graduate students who wish to conduct field research in connection with their doctoral dissertations, but persons who have received the doctorate within the last few years are also eligible.

The extent of financial assistance will vary according to the needs involved. The intent is to provide adequately for travel, field, and living expenses. Usually no stipend is provided. A preference will be shown for field investigations of at least 6 months duration, preferably a year or more.

Applications for support of field work which is to be initiated before 1 April 1960 must be submitted prior to 1 December 1958. Applications and requests for further information should be addressed to Foreign Field Research Program, Division of Earth Sciences, 2101 Constitution Ave., Washington 25, D.C.

## Scientists in the News

KEITH GLENNAN, president of Case Institute of Technology and former member of the Atomic Energy Commission, has been nominated by President Eisenhower to head the National Aeronautics and Space Administration. HUGH L. DRYDEN has been named as deputy administrator. Dryden is director of the National Advisory Committee for Aeronautics, which will be the nucleus of the new civilian space agency.

Six prominent scientists will give a series of evening lectures at the second United Nations International Conference on the Peaceful Uses of Atomic Energy, which will begin on 1 September in Geneva. The lectures are open to the public. They will be given on three evenings during the 2-week conference, with two speakers scheduled for each evening.

On 5 September the first lecture will be delivered by HOMI BHABHA of India, who was president of the first International Conference in 1955. He will speak on the role of nuclear power in the underdeveloped countries. On the same evening J. E. TAMM of the U.S.S.R. will speak on recent developments in the field of fundamental physics. On 10 September GLENN T. SEABORG of the United States will give a lecture on recent developments in the field of the transplutonic elements. This will be followed by a lecture by V. A. ENGELHARDT of the Soviet Union on the implications of atomic energy in the field of biology. The last set of evening lectures will be given on 12 September. LLOYD V. BERKNER of the United States will speak on international collaboration in science, and JOHN COCKCROFT of the United Kingdom will give a survey of the conference in a lecture on trends in the development of peaceful uses of atomic energy.

WALTER A. MACLINN, chairman of the department of food science at the Agricultural Experiment Station, Rutgers University, has resigned to become director of the Refrigeration Research Foundation, Colorado Springs, Colo. His new responsibilities will include the stimulation and encouragement of refrigeration research in university and other laboratories.

JOHN S. BOYCE, professor emeritus of forest pathology at Yale University, has been named director of the Bartlett School of Tree Surgery, Stamford, Conn. He succeeds the late Sherman P. Hollister, professor emeritus of horticulture at the University of Connecticut.

STANLEY S. BALLARD, research physicist at the Scripps Institution of Oceanography of the University of California, has accepted the position of professor of physics and chairman of the department of physics at the University of Florida in Gainesville, effective this fall. He will continue his activities as vice president for meetings of the Optical Society of America and executive secretary of the Armed Forces-National Research Council Committee on Vision.

WILLIAM F. MEGGERS, chief of the spectroscopy section of the National Bureau of Standards, retired on 31 July after 44 years of continuous service with

the bureau. Megger's work has been concerned chiefly with standard wavelengths in optical spectra, descriptions of atomic and molecular spectra, spectroscopic light sources, Zeeman effect, analysis of spectral data for the derivation of atomic energy levels, atomic structure, and properties of atomic nuclei. Probably his outstanding achievement has been the development of the mercury-198 lamp, which gives off a green spectral line so pure that its wavelength can be determined to one part in one billion.

Meggers has received a number of awards, including the Frederic Ives Medal of the Optical Society of America, a special award of the Society for Applied Spectroscopy for "outstanding accomplishments in the field of atomic spectra," the Franklin Institute's Elliot Cresson Medal, the Department of Commerce gold medal for exceptional service, and a recognition medal from the University of Liège. Meggers has also held top offices in various technical societies. He has been president of the Optical Society of America, president of Commission 14 of the International Astronomical Union, chairman of the National Research Council Committee on Line Spectra of the Elements, vice president of AAAS Section B, and president of the International Joint Commission for Spectroscopy.

Meggers received his B.A. in physics from Ripon College in 1910, his M.A. in physics from the University of Wisconsin in 1916, and his Ph.D. in physics, mathematics, and astronomy from Johns Hopkins University in 1917. He joined the NBS staff in 1914, and was made head of the spectroscopy section in 1920.

J. O. IRWIN, member of the Medical Research Council of Great Britain's Statistical Research Unit, London School of Hygiene and Tropical Medicine, will spend this academic year as visiting professor in the department of biostatistics at the School of Public Health, University of North Carolina, Chapel Hill.

Another visitor from Great Britain is J. H. RENWICK, member of the Medical Research Council's Population Genetics Research Unit, London. He will conduct research in the department of medical genetics, Johns Hopkins Hospital, Baltimore, Md., from 1 October to the end of the year.

CHARLES HUGGINS, director of the Ben May Laboratory for Cancer Research of the University of Chicago, recently received the Charles Mickle fellowship of the University of Toronto for the year 1958 for "his contributions in the field of cancer." The award is made to that member of the medical profession and related sciences who is considered by the Council of the Faculty of Medicine of the University of Toronto "to

have done most during the preceding 10 years to advance sound knowledge of a practical kind in medical art or science."

Huggins has also received the £300 Cameron Prize of the University of Edinburgh. This prize is awarded biennially to a "person who, in the course of the five years immediately preceding has made any highly important and valuable addition to Practical Therapeutics." Huggins was honored for his research on the hormonal treatment of cancer.

JOSHUA LEDERBERG, chairman of the department of medical genetics at the University of Wisconsin School of Medicine, has been named to head a new department of genetics at Stanford University School of Medicine, effective in April 1959.

HAROLD LYONS, head of the atomic physics department of the Hughes Aircraft Company, Culver City, Calif., will receive a Certificate of Merit from the Franklin Institute on 15 October. He is being honored for "his work in pioneering the development of clocks of very great precision based on the natural periods of vibration of atoms and employing microwave techniques."

## Recent Deaths

LUDWIG ADLER, New Milford, Conn.; 82; senior gynecologist and obstetrician at St. Clare's Hospital and a practicing physician in New York until his retirement 2 years ago; professor of gynecology and obstetrics at the University of Vienna and director of the gynecological department of the Empress Elizabeth Hospital, Vienna, Austria, before coming to the United States in 1938; 8 Aug.

MANOEL F. DE MAYO BEHAR, New London, N.H.; 69; vice president of the Instrument Publishing Company, Pittsburgh, Pa., and editor of *Instruments Magazine*, 1929-55; 1 Aug.

CHARLES B. BREED, Camden, Me.; 82; head of the civil engineering department of Massachusetts Institute of Technology, 1935-45; professor of railroad and highway transportation at the institute, 1906-45; 9 Aug.

HAROLD W. BUCK, Greenwich, Conn.; 85; electrical engineer; directed the Niagara Falls electrical power project, 1900-10, and thereafter the Victoria Falls power project in Rhodesia; 5 Aug.

EMMETT K. CARVER, Rochester, N.Y.; chemist and technical assistant to the general manager of Kodak Park Works, Rochester, N.Y.; former instructor in physical chemistry at the University of Illinois; 26 July.

GEORGE W. CLAPP, New Rochelle, N.Y.; 87; former technical and educational director of the Dentist Supply

Company of New York; author of many books on dentistry and former editor of *Dental Digest*; 8 Aug.

GEORGE H. COLLINGWOOD, Washington, D.C.; 67; conservationist and head of the Natural Resources Section, Legislative Reference Service of the Library of Congress; former chief forester of the American Forestry Association; professor of forestry at New York State College of Agriculture, 1916-23; 7 Aug.

GEORGE E. CONDRA, Glendale, Calif.; 89; dean emeritus of conservation and soil survey, University of Nebraska; had been associated with the university's geology and geography department for 50 years; 7 Aug.

HAL D. DRAPER, Sr., Nevada City, Nev.; 64; chairman of the division of science and mathematics and professor of chemistry at Sacramento State College since 1948; had taught at the University of California, Rice Institute, Fresno and Chico State College, and Sacramento Junior College.

WILLIAM DURAND, New York; 99; engineer and former head of the department of mechanical engineering at Stanford University; principal of the Graduate School of Marine Engineering and Naval Architecture at Cornell University in 1891; contributed to the early development of hydrodynamics and aerodynamics; author, beginning at the age of 68, of the six-volume *Aerodynamic Theory*; 9 Aug.

MARCEL GOLDENBERG, New York, N.Y.; 57; heart specialist and assistant clinical professor of medicine at Columbia University College of Physicians and Surgeons; discovered noradrenalin, which is used to maintain normal blood pressure in surgery; 30 July.

FRANK GROUT, Minneapolis, Minn.; professor emeritus of geology, University of Minnesota, and former director of the Minnesota Geological Survey; 1 Aug.

LIONEL C. RUBIN, New York, N.Y.; 53; former associate clinical professor of dermatology at the New York University-Bellevue Medical Center; 6 Aug.

HELEN K. STEWARD, Washington, D.C.; chief of the editorial office of the Armed Forces Institute of Pathology; 9 Aug.

EDWIN SUTERMEISTER, Westbrook, Me.; 81; retired chief research chemist of the S. D. Warren Company; specialist in paper making; 30 July.

WINSTON H. TUCKER, Evanston, Ill.; 57; Public Health Commissioner; performed research on the effects of fluorine in drinking water that led in 1947 to the addition of fluorine to the Evanston water supply (7 years later he reported that tooth decay in Evanston children had decreased by 56 percent); 3 Aug.