

## Senses on TV

"Gateways to the Mind," over NBC television at 8 P.M. on 23 October, will deal with the operation of the human senses. Wilder Penfield, director of the Montreal Neurological Institute, will appear on the program to explain his work in eliciting sensory impressions by direct stimulation of the brain. Hadley Cantril, psychologist at Princeton University, will show some of his experiments in sensory illusion. George Wald of the Harvard University Biological Laboratories and Frederick Crescitelli, zoologist at the University of California, Los Angeles, served as advisers for the program, which was produced under the supervision of a 10-man scientific advisory board as part of the Bell System Science Series.

## News Briefs

The University of Michigan's new Mammalian Genetics Center opened this month under its newly appointed director, geneticist Morris Foster. The center is one of three in the United States set up by the National Institutes of Health, U.S. Public Health Service. Others are located at the University of Kansas and the University of Miami (Fla.).

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The ground-breaking ceremony for the Smithsonian Institution's Museum of History and Technology took place at the end of August. The new museum, which was authorized by Congress in June 1955, will be of contemporary design but will retain a classical spirit so that it will harmonize with existing buildings. It will house historic and scientific collections totaling more than a million and a half specimens, only a small fraction of which can now be displayed in existing Smithsonian buildings.

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Completing a first decade of research support, the American Heart Association has announced that a total of approximately \$8 million will be expended for scientific studies in the field of the heart and blood vessel diseases during the 1958-59 fiscal year. This is the largest sum the association and its affiliates have ever spent for cardiovascular research during a single 12-month period.

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An 8-page supplement to the National Bureau of Standards handbooks dealing with radiation protection and related matters has been prepared by the National Committee on Radiation Protection and Measurements (NCRP). Entitled "Maximum Permissible Radiation Exposures For Man," the supplement summarizes the new recommendations of the NCRP on safe limits of radiation

exposure. The new publication introduces only minor changes and is intended to be in general conformity with the philosophy expressed in the April 1956 statements of the International Commission on Radiological Protection (ICRP).

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Funds for construction and equipment of the National Library of Medicine were voted by the House and Senate on 18 July in a bill covering 1959 appropriations for the Departments of Labor, and Health, Education, and Welfare, and related agencies (HR 11645). The President signed the bill on 1 August as Public Law 85-580.

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A large and valuable collection of ethnological specimens, including some 6500 objects representing the cultures of peoples of many groups of islands in the Pacific, has arrived at the Chicago Natural History Museum. The Pacific Collection, which will remain permanently at the museum, was assembled over a period of more than 70 years by Captain and Mrs. A. W. F. Fuller of London, in collaboration with Captain Fuller's father, Reverend A. Fuller. Roland W. Force, the museum's curator of Oceanic archaeology and ethnology, spent nearly 6 months in London in daily consultation with Captain Fuller recording on tapes significant data about nearly every one of the specimens. The information is being transcribed and will provide a shelf of reference volumes when completed.

## Grants, Fellowships, and Awards

*Psychiatry.* The Society of Biological Psychiatry is offering an annual award which was made possible by the A. E. Bennett Neuropsychiatric Research Foundation. The award will consist of traveling expenses to the annual meeting plus expenses at the meeting, in addition to an honorarium of \$250. It will preferably be given to a youngish investigator, not necessarily a member of the society, for recent work that has not been published. The paper will be read as part of the program of the annual meeting of the society and will appear in the same journal as the other papers read at that meeting. Please submit papers in quadruplicate to Arthur A. Ward, School of Medicine, University of Washington, Seattle 5, Wash., or to Harold E. Himwich, M.D., Chairman, Committee of Award, Galesburg State Research Hospital, Galesburg, Ill. Deadline for manuscripts is 30 April 1959.

*Sterility.* The Ortho and Carl G. Hartman grants-in-aid of the American Society for the Study of Sterility, each of \$500, are available for 1959. Applications for these two grants should be sent

by 31 December to the secretary of the awards committee of the American Society for the Study of Sterility, Dr. Robert B. Wilson, 200 1st St., SD, Rochester, Minn. No application will be considered by the committee unless it is accompanied by five copies of a brief outline of the research project for which support is being sought.

## Scientists in the News

RICHARD G. FOLSOM will be installed as president of Rensselaer Polytechnic Institute in inaugural ceremonies on 4 October. ROBERT G. SPROUL, president of the University of California for 27 years until his retirement in June, is to make the inaugural address. He is a friend of Folsom, who was associated with the University of California at Berkeley from 1933 to 1953, rising through the faculty in mechanical engineering until he became chairman of the division and director of the mechanical engineering laboratories.

The government of the U.S.S.R. is sending four instrumentation scientists to address the 13th Annual Instrument-Automation Conference and Exhibit sponsored by the Instrument Society of America in Philadelphia 15-19 September. ALEKSANDR M. LETOV, associate director of the U.S.S.R. Institute of Automatics and Telemechanics, will address the opening session on "Instrumentation Education in the U.S.S.R."; BORIS N. NAUMAV, ALEKSANDR M. PETROVSKIY, and ALEKSANDR B. CHELYUSTKIN will be featured speakers at the final-day technical session on "U.S.S.R. Automatic Control."

In addition to Letov, two United States lecturers, NORMAN COUSINS, and GAYLORD P. HARNWELL, will also be featured at the opening session. Cousins, editor of the *Saturday Review* who has been U.S. lecturer to India, Pakistan, Ceylon, and Japan, will relate the role of instrumentation and cybernetics to human progress and world peace. Harnwell, president of the University of Pennsylvania and well-known physicist, will discuss the place of instrumentation in the American university.

HUGH TAYLOR, distinguished chemist and dean emeritus of Princeton University's Graduate School, has been appointed first president of the year-old Woodrow Wilson National Fellowship Foundation. The foundation's main objective is to recruit outstanding students for careers as college teachers. This summer Taylor completed 44 years of continuous service on the Princeton faculty. Immediately after World War II, he supported Whitney J. Oats, chairman of

Princeton's department of classics, in his plans for Princeton's pioneering Wilson fellowship program.

Another Wilson Foundation appointment is that of HANS ROSENHAUPT as the foundation's national director. In accepting his new post, Rosenhaupt relinquished his recent appointment as assistant provost of Columbia University.

In 1957, after the Wilson fellowships had been jointly underwritten for 5 years by 37 American universities and by grants from the Carnegie Corporation and General Education Board, the present program was brought into being with a grant of \$24,500,000 from the Ford Foundation for a 5-year period. In its first year of operation the foundation granted fellowships to almost 1000 United States and Canadian students who will enter graduate schools this fall. One of the distinctive features of this recruitment program is that any college faculty member may nominate any eligible student. The Wilson Foundation's new headquarters at 32 Nassau St., Princeton, N.J., were opened on 1 August.

HOWARD BOROUGHS has resigned his position as chief scientist of the Atomic Energy Commission project at the Hawaii Marine Laboratory, University of Hawaii, to join the staff of the Interamerican Institute of Agricultural Sciences, Turrialba, Costa Rica, which has recently started a new laboratory for research and training in the use of radioisotopes in agriculture for Latin American countries.

The National Advisory Committee for Aeronautics has conferred its highest award, the Distinguished Service Medal, on its executive secretary, JOHN F. VICTORY. The award citation reads in part:

"John Francis Victory for almost a half-century has devoted himself unflinchingly to the advancement of aeronautics. Since 23 June 1915, when he became its first employee, he has vigorously supported the programs, policies and objectives of the National Advisory Committee for Aeronautics. . . ."

BERNARD M. FRY has been named deputy head of the Office of Scientific Information at the National Science Foundation. Fry joins the foundation from the U.S. Atomic Energy Commission, where he was assistant director for technical information and chief of the AEC Technical Information Service.

W. F. FARAGHER has been appointed assistant to the president of the Temple University Research Institute. The institute, which conducts research in the fields of chemistry at high temperatures produced by combustion or

electrical arcs, propellants for missiles, and specialized organic chemistry, plans to extend its work to the petroleum field. For the past 27 years Faragher has been a close associate of Eugene J. Houdry, pioneer in catalytic petroleum cracking processes. Faragher served as director of research, and later as chemical adviser, in the Houdry Process Corporation.

Faragher is a former assistant director of the Mellon Institute, Pittsburgh, Pa. While at the institute, he founded the School of Petroleum Engineering at the University of Pittsburgh, which he headed with professorial rank.

E. YALE DAWSON, formerly associate professor of biology in the Allan Hancock Foundation, has become research director of the newly established Beaudette Foundation for Biological Research at Solvang, Calif. Initial activities of the foundation include studies of the benthic marine botany of the northeastern Pacific.

STEPHEN P. TIMOSHENKO, professor emeritus of Stanford University and a pioneer in the development of engineering mechanics as a science in this country, will receive an Elliott Cresson Medal from the Franklin Institute on 15 October.

ELSA O. KEILES has returned to the Division of Research Grants, National Institutes of Health, as executive secretary of the Metabolism and Nutrition Study Section. For the past 2 years, she has served as professional associate in the Grants and Training Branch of the National Heart Institute.

V. M. INGRAM, member of the Medical Research Council's Molecular Biology Research Unit, Cavendish Laboratory, Cambridge, England, will be a visiting professor in the biology department of the Massachusetts Institute of Technology for a period of 1 year.

JULIAN M. AVERY of Greenwich, Conn., who invented the method of high-pressure operation of blast furnaces for the production of pig iron, will receive the Francis J. Clamer Medal from the Franklin Institute on 15 October.

### Recent Deaths

MORTON ARENDT, New York, N.Y.; 81; electrical engineer; assistant professor of electrical engineering at Columbia University, until his retirement in 1943; holder of 50 patents; 22 Aug.

WILLIAM S. AYARS, Leonia, N.J.; 84; retired professor of industrial engineering at Columbia University; had

taught at Pratt Institute, Pennsylvania State College, and Nova Scotia Technical College in Halifax; 23 Aug.

WILLIAM H. BRADFORD, Portland, Me.; 92; physician and surgeon; founder and president of the New England Surgical Society; 21 Aug.

ALEXEI M. CHEREMUKHIN, Moscow, U.S.S.R.; 63; leading Soviet aircraft designer; chief deputy of A. N. Tupolev, whose design bureau has produced many of the Soviet Union's most famous aircraft; specialist on stress analysis and tensile strength of materials; 15 Aug.

NEVA R. DEARDORFF, Southampton, N.Y.; 71; associate professor of social economy at the Bryn Mawr College Graduate School; statistical expert in social welfare and health work for more than 40 years; 22 Aug.

EDWARD G. FORD, Kenilworth, N.J.; 53; professor of chemistry at Drew University; 22 Aug.

HENRY F. HELMHOLZ, Rochester, Minn.; 75; head of the pediatrics section of the Mayo Clinic, 1921-46; chief medical consultant for the United Nations Children's Fund in Europe in 1947-48; 19 Aug.

LINVILLE L. HENDREN, Athens, Ga.; 78; professor and head of the physics department at the University of Georgia, 1908-37; dean of the Franklin College of Arts and Sciences, dean of administration, and dean of faculties between 1932 and 1950; 7 May.

ERNEST O. LAWRENCE, Palo Alto, Calif.; 57; director of the Radiation Laboratory at the University of California who made major contributions to the early development of nuclear physics; received the Nobel Prize in 1939 for inventing the cyclotron and last October won the Atomic Energy Commission's \$50,000 Fermi Award; recipient of many other national and international honors, including the French Legion of Honor and honorary membership in the Soviet, Swedish, and Irish academies of science; developed the first color television tube; assistant professor of physics at Yale University before joining the University of California in 1928; became a full professor at the age of 29; 27 Aug.

DONALD M. LIDDELL, New York, N.Y.; 79; metallurgist and author of metallurgical and chemical handbooks; 17 Aug.

DANIEL P. O'BRIEN, Torrington, Conn.; 61; administrator of the medical science and research division of the Rockefeller Institute for Medical Research in New York until his retirement in 1947; 16 Aug.

ORMAN C. PERKINS, Brooklyn, N.Y.; 65; neurologist, former professor of neurology at the Long Island College of Medicine and director of neurology for the college's hospital; 14 Aug.