

livered by Shields Warren, pathologist at New England Deaconess Hospital and professor of pathology, Harvard Medical School. John A. McGone, chairman of the Atomic Energy Commission, also spoke at the ceremonies. The \$6,500,000 center includes a tank-type reactor, a 48-bed hospital for research patients, and laboratories for studies in biochemistry, medical physics, microbiology, pathology, and physiology. The reactor is the first in this country to be designed specifically for medical research purposes.

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The Soviet Union has converted one of its submarines into a scientific laboratory and is sending the vessel on its first prolonged mission this month. An article in *Pravda*, which did not provide an itinerary, said that the submarine will be in the service of the Research Institute of Marine Fishing and Oceanography. The report announced that the vessel would collect data in the seas and oceans and would gather information on new fishing districts.

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Approximately 18,000 high school and college teachers of science and mathematics will benefit during the summer of 1959 from teacher training programs sponsored by the National Science Foundation at 350 institutes in 255 educational institutions. Some \$21 million has been awarded for the support of the summer institutes, which will be held in all 49 states, Hawaii, Puerto Rico, and the District of Columbia. Roughly 300 of the institutes will be open only to high school teachers. Approximately 30 will be for college teachers only, and about 20 will be for both high school and college teachers. Sixteen thousand high school teachers and 2000 college teachers will participate.

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Telev viewers will see the first rocket observations of a solar eclipse and the first above-the-atmosphere views of the sun's activity during an eclipse, when "High Adventure with Lowell Thomas" is broadcast on 10 January, 10 to 11 P.M. (E.S.T.) on the CBS Television Network. The television film was recorded by Thomas and two cameramen from the decks of the U.S.S. *Point Defiant* off the coast of Puka-Puka, an atoll in the Cook Island group in the South Pacific Ocean. The expedition was conducted by the Naval Research Laboratory.

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Herbert Kubitschek of Argonne National Laboratory has modified a commercial electronic cell counter so that it can be used for the counting and sizing of bacteria as individuals. This has opened the way for the counter's use in geological, meteorological, and agricultural studies.

Scientists in the News

RENATO DULBECCO, professor of biology at California Institute of Technology, has been named by the Board of Directors of City Trusts of Philadelphia, Pa., to receive the John Scott Award for his development of a method for demonstrating the presence of viruses in tissues. His method provided a technique for the production of plaques with animal cells. This technique permits an accurate determination of the activity of animal viruses and has played an important part in the effort to combat virus diseases. Salk and others have used this method, or modifications of it, in the preparation of vaccines. The award will be presented at the zoologists' dinner meeting that is to be held on 29 December in Washington, D.C., as a part of the AAAS annual meetings.

The John Scott Award was established by an obscure Scotch chemist of the same name, who resided in Edinburgh until his death in 1816. He bequeathed \$4000 to the city of Philadelphia, the income of which was to be "laid out in premiums to be distributed among ingenious men and women who make useful inventions. . . ." By 1917, the fund had grown to \$100,000. This year, awards of \$2000 may be made, but the standard award has been set at \$1000.

PAUL GYORGY, professor of pediatrics at the University of Pennsylvania and chief of the Pediatric Service of the Philadelphia General Hospital, is to receive the degree of honorary medical doctor from the University of Heidelberg, Germany, of which he is an alumnus and former faculty member. The degree is conferred rarely, usually in recognition of a particularly outstanding achievement in the field of medicine. Gyorgy is being honored for his many scientific achievements, which include the discovery of riboflavin.

Another recipient of the special degree will be OTTO WARBURG of Berlin, Germany, a Nobel laureate and developer of the Warburg apparatus, which is used in research laboratories all over the world.

Major General JOHN B. MEDARIS, commanding general, U.S. Army Ordnance Missile Command, received the Michael I. Pupin Anniversary Medal of the Columbia Engineering School Alumni Association on 2 December for "distinguished service to the nation."

MAURICE ROY, director, Office National d'Etudes et de Recherches Aeronautiques, accepted the invitation of the Institute of the Aeronautical Sciences to deliver the 22nd Wright Broth-

ers Lecture on 17 December, 55th anniversary of the Wright's famous flight. The lecture, "Means and Examples of Aeronautical Research in France," was heard at the Smithsonian Institution, Washington, D.C. It will be repeated at IAS section meetings in Cleveland, Ohio, on 18 December; Dallas, Tex., on 19 December; and Los Angeles, Calif., on 22 December.

ALEXANDER H. LEIGHTON, professor of psychiatry at Cornell University, delivered this year's Thomas William Salmon lectures at the New York Academy of Medicine. His subject was "An Introduction to Social Psychiatry," which he discussed in an afternoon and evening lecture on 4 December.

In celebrating its 100th anniversary this year, E. R. Squibb & Sons is sponsoring visiting lectureships in the United States by foreign scientists, all well-known specialists in particular disciplines. Outstanding American scientists are also included in the program. Virtually every medical school in the country has arranged to have one of the lecturers appear before faculty and student groups sometime during the 1958-59 academic year.

Lecturers from abroad who have already completed their tours are as follows: MACDONALD CRITCHLEY of the National Hospital, London, England, "The Study of Language Disorders Past, Present and Future"; and LUIS F. LELOIR of the Biochemistry Research Institute, Buenos Aires, Argentina, "The Role of Uridine Nucleotides in Metabolism."

In February and March, JOHN C. ECCLES of the John Curtin School of Medical Research, Australian National University, Canberra, will discuss "Problems of Organization and Plasticity at the Simplest Levels of the Mammalian Nervous System"; JAMES DANIELLI, professor of zoology at King's College, University of London, London, England, will discuss "Designing of Drugs for the Chemotherapy of Cancer"; FEODOR LYNEN of the Max Planck Institute for Cell Chemistry, Munich, Germany, will discuss "The Function of Coenzyme A in Fat and Lipid Metabolism"; and ANDRE M. LWOFF of the Institute Pasteur, Paris, France, will discuss "Factors Influencing the Evolution of Viral Diseases at the Cellular Level and in the Organism."

In April and May, JOHN H. GADDUM of Edinburgh University, Edinburgh, Scotland, will speak on "The Pharmacological Analysis of Tissue Extracts," and JOHN F. BROCK of the University of Cape Town, Wirmher & Beit Medical Laboratories, Observatory Cape, Union of South Africa, will speak

on "Human Nutrition and Its Growing Importance to Clinical and Investigational Medicine." For detailed schedules, write to Squibb at 745 Fifth Ave., New York.

GUSTAVE FREEMAN, former head of the clinical pharmacology and therapeutics section of the Cancer Chemotherapy National Service Center, Bethesda, Md., has joined the biological sciences department at Stanford Research Institute, Menlo Park, Calif., as program director of medical research. He will direct preclinical cancer research at S.R.I. and clinical studies conducted with neighboring hospitals. Concurrently, he will carry out research on nucleic acids with G. W. Beadle at California Institute of Technology. The two men will study the action of selected cancer chemotherapeutic agents on nucleic acids.

FREDERICK P. THIEME, assistant to the president at the University of Washington, has been named provost of the university. Thieme was chairman of the department of anthropology at the University of Michigan before joining the University of Washington on 1 August.

The following mathematicians have reported new appointments for the academic year 1958-59.

G. W. MORGENTHAUER of the Institute for Air Weapons Research, University of Chicago, has been appointed associate professor in the undergraduate division of the University of Illinois, Chicago.

KATSUMI NOMIZU, assistant professor at Nagoya University, Japan, has been appointed associate professor at the Catholic University of America.

ALEXANDER ORDEN of the Burroughs Corporation has been appointed a professor in the School of Business, University of Chicago.

M. M. PEIXOTO, professor on leave from the University of Brazil, has accepted a position as staff scientist with RIAS, Inc., Martin Company, Baltimore, Md.

H. W. REDDICK, professor emeritus of New York University, has been appointed visiting professor at Syracuse University.

R. F. RINEHART, professor on leave from Case Institute of Technology, will be director of special research and operations research at Duke University.

LOUISE J. ROSENBAUM, associate professor on leave from Saint Joseph College, Connecticut, will be in Oxford, England.

R. A. ROSENBAUM, professor on leave from Wesleyan University, has been awarded a National Science Foun-

dation science faculty fellowship and will be at Oxford University, England.

S. A. ROWLAND, professor emeritus of Ohio Wesleyan University, has been appointed a lecturer at Ohio State University.

S. M. SHAH, professor of Muslim University Aligarh, India, has been appointed visiting professor at the University of Wisconsin, Madison.

JOHN D. SPIKES is on a 2-year leave from his regular position as professor and head of the department of experimental biology at the University of Utah. He is serving as a specialist in cell physiology with the U.S. Atomic Energy Commission's Division of Biology and Medicine, Germantown, Md.

DAVID A. RYTAND has been named the first Bloomfield professor of medicine at the Stanford University Medical School. The professorship honors ARTHUR L. BLOOMFIELD, emeritus professor of medicine who retired in 1954. Bloomfield is now primarily engaged in adding to his already extensive writings on internal medicine.

Rytand, a native San Franciscan who earned both the A.B. and M.D. degrees at Stanford, became a member of the medical faculty in 1936. He is editor of the *Annual Review of Medicine*, a member of the editorial board of the *Journal of Chronic Diseases*, and the author of many scientific papers on heart and kidney diseases.

LESLIE H. MEREDITH has been appointed head of the Rocket Sonde Branch, U.S. Naval Research Laboratory, Washington, D.C. He has been with the laboratory since 1954.

T. B. MASSALSKI, Polish-born scientist who is a solid state physicist, has been appointed senior fellow in the metal physics fundamental research group at the Mellon Institute, Pittsburgh, Pa., effective 1 January. He obtained his Ph.D. from the University of Birmingham, Birmingham, England, where he is now a lecturer in physical metallurgy. He has been a postdoctoral fellow at the Institute of Metals, University of Chicago; consultant to the Max Planck Institute for Metals Research, Stuttgart, Germany; and consultant and lecturer at Battelle Memorial Institute, Columbus, Ohio.

DONALD A. HARRINGTON, associate professor of speech at the University of Florida, has been appointed to the newly created post of specialist in speech and hearing in the U.S. Office of Education, effective 1 February. He will be concerned with school programs for children and youth with impaired speech

and hearing. He will be a member of the Section on Exceptional Children and Youth, which is headed by Romaine Mackie.

JERRE L. NOLAND, chief biochemist, Research Laboratory, Veterans Administration Center, Wood, Wis., has accepted an appointment as chief, Medical Research Laboratory, Veterans Administration Hospital, Louisville, Ky. He will also be a research associate (associate professor) in the department of biochemistry of the University of Louisville School of Medicine.

LEON SVIRSKY has been appointed science editor of Basic Books, New York publishing house. For 11 years, until his resignation this fall, Svirsky had been managing editor of *Scientific American*.

Recent Deaths

BERTRAM M. BERNHEIM, Baltimore, Md.; 78; associate professor emeritus of surgery at Johns Hopkins Medical School; founder of the American College of Surgeons; wrote *Blood Transfusion, Hemorrhage, and the Anemias* in 1917, when transfusion work had just started; 28 Nov.

HIGDON B. ELKINS, Iowa City, Iowa; 51; professor of radiology at the State University of Iowa's College of Medicine; 29 Nov.

WILLIAM J. FARRISEE, Hoboken, N.J.; 60; professor of engineering and dean of men at Stevens Institute of Technology; dean of men at Clarkson College of Technology, Potsdam, N.Y., 1946-55; had been connected with Clarkson for 50 years; 1 Dec.

ROBERT S. JANE, Montreal, Canada; 59; plant chemist and president of Shawinigan Chemicals Ltd.; president of the Chemical Institute of Canada, 1952-53; chairman of the Canadian section of the Society of Chemical Industry in 1957; 2 Dec.

CHARLES A. MAGOON, Mesa, Arizona; 75; retired food technologist, U.S. Department of Agriculture; 8 Nov.

LEILA T. NEWCOMB, Albany, N.Y.; 88; before retirement in 1952, a social worker at Hartley House in New York for 40 years; 2 Dec.

Sir HUBERT WILKINS, Framingham, Mass.; 70; well-known polar explorer and geographer; consultant to the Army Quartermaster Corps Research and Development Center in Natick, Mass.; completed the first flight over the polar regions from North America to Europe in 1926, for which he was knighted by King George V of England in 1928; tried to open an Arctic submarine route by passing under the polar ice cap in 1931; 1 Dec.