

would be especially welcome. Those wishing to assist should send reprints to: Dr. D. Jane Taylor, Endocrinology Section, Cancer Chemotherapy National Service Center, National Institutes of Health, Bethesda 14, Md.

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Formation of the National Foundation for Research in Ulcerative Colitis, with headquarters in Washington, D.C., was announced at a recent conference in Washington on "New Frontiers in Ulcerative Colitis." The meeting was sponsored by the General Medicine Study Section of the National Institutes of Health and supported by a research grant from the foundation and the National Institute of Arthritis and Metabolic Diseases.

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Atomic Energy of Canada Limited reports that the NRU reactor at Chalk River, Ontario, is the first reactor to be refueled while in operation. All other reactors have to be shut down before they can be refueled. This causes interruption of experiments and isotope production in the case of research reactors and the stoppage of electricity generation in the case of power reactors. Chalk River's new 43-foot-high, 240-ton refueling machine was used successfully on 22 February.

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Among the award winners announced at the recent Thomas Alva Edison Foundation Children's Book and Comic Book Awards luncheon at the Waldorf-Astoria, New York, were the following: best children's science book, *The Wonderful World of Energy*, written by Lancelot Hogben and published by Garden City Books; best science book for youth, *Building Blocks of the Universe*, written by Isaac Asimov and published by Abelard-Schuman; and best science comic book, *Walt Disney's Mars and Beyond*, published by the Dell Publishing Company.

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The Atomic Energy Commission has announced that the United States will participate in the fifth International Electronic and Nuclear Energy Exposition and Congress in Rome, Italy, 16-30 June. The AEC is preparing an exhibit entitled "Atoms to Serve Mankind." In addition, a delegation of scientists and engineers from the commission and its contractors will present papers on atomic energy and its uses. John Vinciguerra, assistant manager of the AEC's Savannah River Operations Office, has been appointed project manager for the exhibit.

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Discovery of a new bactericidal gas by a team of Chemical Corps scientists was announced recently by C. R. Phillips, chief of physical defense division, U.S. Army Chemical Corps, Fort Detrick, Md. The new gas is beta-propiolactone,

a compound which had been used previously for sterilization only in aqueous solution. As a gas it acts as effectively as formaldehyde vapor but works more rapidly and with fewer adverse side effects. Phillips predicts that a few years' study will prove that the gas has "important applications" with possible use "in sterilizing operation rooms, nurseries within hospitals, and the like."

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A new research rocket developed as a private venture by Aerojet-General Corporation, the "Aerobee 100," was furnished to the Naval Research Laboratory for its first flight evaluation at the U.S. Naval Ordnance Missiles Flight Test Facilities at White Sands Proving Grounds, N.M., on 18 February. The test was a complete success, with the rocket reaching an altitude of 60 miles and successfully completing its flight mission.

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The Proceedings of the Tenth International Congress of Entomology, held in Montreal, Canada, in August 1956, are expected to be ready for distribution in late 1958. The price is \$75, postpaid, for the set of four volumes. Since a limited number will be printed, only orders received *before 1 May* can be guaranteed. For further information write to: Tenth International Congress of Entomology, Science Service Building, Ottawa, Canada.

Scientists in the News

Six American women medical scientists will leave during the second week in May for a 1-month tour of medical institutions in the U.S.S.R. Preliminary arrangements for the trip have been completed by the National Academy of Sciences in cooperation with the Rockefeller Foundation, the American Medical Association, and the American Medical Women's Association. The itinerary within the Soviet Union will be planned by Soviet authorities to accommodate the visitors' special scientific interests.

The visit is the result of an exchange agreement. Last October six women scientists from the U.S.S.R. spent a month in the United States visiting medical institutions in six cities in the East and Middle West.

The delegation will be headed by HELEN B. TAUSSIG of Johns Hopkins University Hospital, a pediatrician who has won international recognition for her contributions to the treatment of cardiac diseases in children. Other members of the delegation are: LEONA BAUMGARTNER, commissioner of health, New York City, national leader in public health; THELMA B. DUNN, National Institutes of Health, Bethesda, Md., an

investigator of the pathology of cancer; JEAN HENLEY of Columbia University College of Physicians and Surgeons and head of the department of anesthesiology, Francis Delafield Hospital; ESTHER C. MARTING, radiologist, University of Cincinnati School of Medicine, Cincinnati, Ohio, and past president of the American Medical Women's Association; and MARGARET H. SLOAN of the National Academy of Sciences-National Research Council, who is in charge of the Academy-Research Council's advisory services to the National Blood Program.

The National Foundation for Infantile Paralysis recently dedicated a poliomyelitis Hall of Fame. Among those whose busts were unveiled in a quadrangle of the Warm Springs Foundation, Warm Springs, Ga., were four deceased scientists: JACOB von HEINE of Stuttgart, Germany, who first described poliomyelitis clearly in 1840; OSKAR MEDIN of Stockholm, Sweden, who in 1907 first recognized the disease as an acute infection; IVER WICKMAN, also of Sweden, a pioneer in 1909 in studying poliomyelitis as an epidemic disease; and KARL LANDSTEINER of Vienna, who demonstrated in 1909 that poliomyelitis could be transmitted to an experimental animal.

The 11 living scientists who were honored included: JONAS SALK, who developed poliomyelitis vaccine; THOMAS M. RIVERS, medical director of the National Foundation and chairman of the committee that supervised the successful 1954 field trials of Salk vaccine; CHARLES ARMSTRONG, retired research worker of the U.S. Public Health Service who in 1939 discovered that certain strains of poliovirus could be transmitted to cotton rats; JOHN R. PAUL, Yale University virologist who contributed significantly to knowledge of the disease; ALBERT B. SABIN of Cincinnati University, leader in the search for a live virus vaccine; THOMAS FRANCIS, JR., University of Michigan epidemiologist who directed the 1954-55 evaluation program demonstrating the safety and effectiveness of Salk vaccine; JOSEPH L. MELNICK of the National Institutes of Health, who as a Yale University research scientist studied poliomyelitis incidence and immunity in many parts of the world; ISABEL MORGAN of Columbia University, who at Johns Hopkins University prepared an experimental vaccine from virus inactivated with formaldehyde and with it protected monkeys against paralytic poliomyelitis; HOWARD H. HOWE of Johns Hopkins University, first to show that chimpanzees could acquire poliomyelitis infection by mouth; DAVID BODIAN of Johns Hopkins University, who proved

that poliomyelitis could be blocked by antibodies in the blood before it reached the central nervous system; JOHN F. ENDERS of the Children's Medical Center, Boston, who won the Nobel Prize for discovering a method for growing poliovirus in non-nervous tissue.

DALE E. OYSTER, formerly deputy for requirements, Headquarters United States Air Force, has joined the staff of the Rand Corporation, Santa Monica, Calif., as assistant to the chief of the engineering division.

GIULIO NATTA, professor in the Polytechnic Institute of Milan, Italy, has been elected a fellow of the New York Academy of Sciences in recognition of his discoveries in polymer chemistry. He has developed a process for the first commercial production of a new type of polypropylene plastics. The academy will install professor Natta when he visits this country in April to speak before the American Chemical Society's national meeting in San Francisco, Calif.

GLEN A. RICHARDSON, who joined the engineering faculty of the Worcester Polytechnic Institute the first of the year, will become head of the department on 1 July. Previously he was associate professor of electrical engineering at Iowa State College. Richardson succeeds THEODORE H. MORGAN, department head since 1931, who will continue in his post as professor of electrical engineering.

The six members of the new Board of Scientific Counselors of the National Institute of Neurological Diseases and Blindness include: RAYMOND D. ADAMS, chief of neurological services at the Massachusetts General Hospital, Boston, Mass.; HOWARD J. CURTIS, chairman, Biological Division, Brookhaven National Laboratory, Upton, N.Y.; A. EARL WALKER, professor of neurosurgery, Johns Hopkins University; ROGER J. ROSSITER, head of the department of biochemistry, University of Western Ontario, London, Canada; ALGERNON B. REESE, clinical professor of ophthalmology, College of Physicians and Surgeons, Columbia University; and HALLOWELL DAVIS, director of research at the Central Institute for the Deaf, St. Louis, Mo., chairman.

HANS WAINE has been named associate professor of medicine at the Tufts University School of Medicine. He holds appointments as medical director, New England Arthritis and Rheumatism Foundation and as chief of staff, Boston Dispensary, Boston, Mass.

Borden awards of a gold medal and \$1000 have been presented to one Canadian and seven American scientists for their outstanding research achievements during 1957. The awards are administered by professional and scientific associations. The 1957 winners are: STUART PATTON, associate professor of dairy science, Pennsylvania State University, the American Chemical Society award for research in the chemistry of flavor compounds in milk and dairy products; J. THOMAS REID, professor of animal husbandry, Cornell University, the American Dairy Science Association award for numerous researches relating to dairy cattle nutrition; N. P. TARASUK, professor of dairy industry and dairy chemist, University of California, the American Dairy Science Association award for studies that have established the multiplicity of the lipase systems in milk; MARY L. DODDS, professor of foods and nutrition, Pennsylvania State University, the American Home Economics Association award for research contributions in the field of nutrition and experimental foods; MURRAY L. BARR, professor and head of the department of microscopic anatomy, University of Western Ontario, the Association of American Medical Colleges award for research in neurohistology and cytology, and for the discovery of the "sex chromatin"; ARIL E. HANSEN, professor and chairman of the department of pediatrics, University of Texas Medical Branch, the American Academy of Pediatrics award for research on the role of essential fatty acids in the infant's diet; B. R. BURMES-TER, senior biologist, U.S. Regional Poultry Research Laboratory, East Lansing, Michigan, the Poultry Science Association award for work on avian lymphomatosis; S. H. McNUTT, professor of veterinary science, University of Wisconsin, the American Veterinary Medical Association award for research in dairy cattle disease control, with particular reference to brucellosis.

In the past year the Kaiser Foundation, Oakland, Calif., has formally established as its Laboratory of Comparative Physiology and Morphology a research group that it had supported informally for some years as a guest entity on the Berkeley campus of the University of California. The laboratory, which will be established in permanent quarters outside the university within the next year, has a program of research in fundamental biology, especially in the comparative nutrition of lower Metazoa and comparative biochemistry of Protista. The senior research staff consists of: ELLSWORTH C. DOUGHERTY, director; MARY BELLE ALLEN, associate director; BENJAMIN G. CHIT-

WOOD, research scientist; EDER LINDSAY HANSEN, associate research scientist; and WARWICK L. NICHOLAS, visiting associate research scientist (on leave from the University of Liverpool, England). Several University of California staff members serve in a consultant capacity.

R. OMAR RILETT, associate professor of biology, has resumed his duties at the University of Buffalo after visiting the Department of Industrial and Scientific Research in Slough, England, where he was investigating the biology of insects that attack stored products. While overseas, he was elected a fellow of the Royal Entomological Society.

FERDINAND E. OKADA, cultural anthropologist and teacher with the department of public instruction at the American Museum of Natural History, New York, has left for a year's research in Nepal, where he will conduct investigations in the general area of social organization among some of ten or twelve former tribes.

TORBJOERN CASPERSSON, professor of medical cell research and genetics and director of the Nobel Institute's Institute for Cell Research, Stockholm, Sweden, delivered the 22nd Adam M. Miller Lecture at the State University of New York Downstate Medical Center on 5 March. He spoke on "Cytotechnical Techniques for Tumor Cell Population Studies."

Recent Deaths

DANIEL BLOCK, Bronx, N.Y.; 32; assistant professor of mathematics at Yeshiva University; 28 Feb.

EILHARD VON DOMARUS, New York, N.Y.; 64; supervising psychiatrist at the Postgraduate Center for Psychotherapy, New York; author of *Language and Thought in Schizophrenia*; 25 Feb.

LEROY A. HALBERT, Chevy Chase, Md.; 82; pioneer social worker; author of *Urban Society*, used as a text in many colleges, and *What is Professional Social Work?*; Congregationalist minister; 3 Mar.

ANDRE L. JORISSEN, Ithaca, N.Y.; 45; head of the hydraulics and hydraulic engineering department at Cornell University; 28 Feb.

JAMES R. WEBSTER, Chicago, Ill.; 51; president of the Academy of Dermatology and professor of dermatology at the Northwestern University Medical School; 28 Feb.

IRA WILLIAMS, Delray, Fla.; 77; before he retired in 1946, a mathematics master at the Lawrenceville (N.J.) School for 28 years; 3 Mar.