

pected to provide an over-all picture of animal diseases of major economic importance and of methods of control throughout the world. The yearbook will be particularly useful to veterinary authorities when imports of animals and animal products are being considered.

Pharmacological Journals

Three new journals in the rapidly growing field of pharmacology are appearing. *Biochemical Pharmacology*, an international journal devoted to research into the development of biologically active substances and their mode of action at the biochemical and subcellular level, is edited by a board of which Alexander Haddow of the Chester Beatty Research Institute is chairman. The regional editor for the United States is A. D. Welch of Yale University. The publisher is the Pergamon Press, New York and London. The first volume appeared in July.

Academic Press, Inc., of New York City, has announced the publication of *Toxicology and Applied Pharmacology*, with H. W. Hays of the National Research Council as managing editor, assisted by Frederick Coulston of the Sterling-Winthrop Institute and Arnold J. Lehman of the Food and Drug Administration. The first number is to appear in January 1959.

Interscience Publishers of New York City has announced an international bimonthly periodical, *Journal of Medicinal and Pharmaceutical Chemistry*, the first issue to appear toward the end of the year. This will have as editors Arnold H. Beckett of the Chelsea College of Science and Technology, London, and Alfred Berger of the University of Virginia.

Physics Course on TV

In an attempt to raise the standards of physics teaching in all sections of the United States, a nationwide college course in atomic age physics will be televised over the National Broadcasting Company network for two semesters, beginning 6 October and continuing through 5 June. Designed primarily for high school science teachers, the program will be known as the "Continental Classroom."

The course, to be offered for credit through the auspices of local colleges and universities, will be telecast from 6:30 to 7 A.M. (in each time zone) Monday through Friday. This is probably the first time that a course for college credit has been offered on a nationwide basis.

Harvey E. White, professor and vice-chairman of the department of physics at the University of California in Berkeley,

will be responsible for the course. Other internationally known scientists will serve as guest lecturers.

Sponsors of the new program include the American Association of Colleges for Teacher Education, the Fund for the Advancement of Education, and N.B.C. Consultants for the series include Mark Zemansky, chairman of the department of physics at City College of New York; Henry Semat, professor of physics at C.C.N.Y.; and Vernet E. Eaton, professor of physics at Wesleyan University, Middletown, Conn.

Grants, Fellowships and Awards

Radiological research. On behalf of the James Picker Foundation, The National Academy of Sciences-National Research Council announces the continued availability of funds in support of radiological research. Applications are reviewed by the Committee on Radiology of the Academy-Research Council's Division of Medical Sciences. Final determination of awards is made by the foundation upon recommendation of the division.

In line with the interests of the foundation, the program is oriented toward, but not necessarily limited to, the diagnostic aspects of radiology. Support is not restricted to citizens of the United States or to laboratories within this country.

Three specific types of support are offered:

(1) Grants-in-aid are designed to encourage investigations offering promise of improvement in radiological methods of diagnosis or treatment of disease. Research grants are awarded to institutions, rather than to individuals.

(2) Grants for scholars are a transitional form of support, designed to bridge the gap between the completion of fellowship training and the period when the young scientist has thoroughly demonstrated his competence as an independent investigator. The application is submitted by the institution on behalf of the prospective scholar. If the request is approved, a grant of \$6000 per year will be made directly to the institution as a contribution toward the scholar's support, or his research, or both. Initial grants are limited to 1 year, but renewal for two additional years may be recommended.

(3) Fellowships in radiological research are open to candidates seeking to gain research skills leading to investigative careers in the field of radiology. While persons from closely related disciplines are eligible to apply, candidates whose training has been directly in the field of radiology will receive preference under this program. Candidates must

hold the M.D., Ph.D., or Sc.D. degree or the equivalent. Preference will be given to applicants who are 35 years of age or less.

Applications in these three categories for the fiscal year 1959-1960 should be submitted by 1 December 1958. Further details and application blanks may be obtained from the Division of Medical Sciences, National Academy of Sciences-National Research Council, 2101 Constitution Ave., NW, Washington 25, D.C.

The National Research Council of Canada has assumed the responsibility for serving as scientific adviser to the James Picker Foundation with respect to its Canadian program. Applications for support of studies to be carried out in Canada should therefore be directed to the Awards Office, National Research Council of Canada, Ottawa 2, Canada.

Scientists in the News

President Eisenhower has selected four more members of the civilian space agency council, completing the membership for the nine-man group, which he heads. The new appointees are Lieutenant General JAMES H. DOOLITTLE (ret.), vice president of the Shell Oil Company and chairman of the National Advisory Committee for Aeronautics; WILLIAM A. M. BURDEN of New York, who in 1943-47 was Assistant Secretary of Commerce for Air and who served in 1950-52 as a special research and development assistant to the Secretary of the Air Force; ALAN T. WATERMAN, director of the National Science Foundation; and DETLEV W. BRONK, president of the National Academy of Sciences and also head of the Rockefeller Institute of Medical Research.

Other members of the council are: John Foster Dulles, Secretary of State; Neil H. McElroy, Secretary of Defense; T. Keith Glennan, chief of the new Space Agency; and John A. McCone, chairman of the Atomic Energy Commission.

JOSEPH J. PFIFFNER, specialist in the biochemistry of vitamins and hormones, has been appointed professor of physiology and pharmacology at Wayne State University College of Medicine. For the past 21 years, Pfiffner has been associated with Parke, Davis and Company, where he has been laboratory director in biochemical research since 1951.

ALLEN J. SPROW, executive editor of *Psychological Abstracts* and treasurer of the National Federation of Science Abstracting and Indexing Services, has resigned to become bibliographer and an

editor of *Biological Abstracts*. This position, a new one on the staff of *Biological Abstracts*, has been created to ensure the optimum coverage of the periodical literature of biology through continuing bibliographic studies. In addition to this research responsibility, Sprow will be in charge of the literature procurement and records department.

ROGER REVELLE, director of the University of California's Scripps Institution of Oceanography, has been given the additional responsibility of director of the university's new Institute of Technology and Engineering. The institute was established by the regents in July to provide graduate instruction and research in mathematics, physics, chemistry, the earth and biological sciences, and engineering. It will be located at La Jolla.

GEORGE S. BONN has been appointed chief of the Science and Technology Division of the New York Public Library, effective 1 October. Since 1956, Bonn has been teaching at the Graduate School of Library Service at Rutgers University.

H. RICHARD BLACKWELL has been appointed director of the Institute for Research in Vision at Ohio State University, effective 1 October. He has also been named research professor in the university's department of ophthalmology and School of Optometry. Blackwell leaves the University of Michigan, where he has conducted a vision research program since 1945.

HENRY E. MELENEY, emeritus professor of preventive medicine, New York University, and research professor of medicine, Louisiana State University, will retire from his present position on 30 September. He has been appointed assistant health officer of Alachua County, Gainesville, Fla. His special responsibility will be the development of research and personnel training programs. He will also do some teaching at the College of Medicine of the University of Florida.

Scientific visitors to the United States from the United Kingdom include the following:

BARBARA H. BILLING, member of the British Medical Research Council's external staff at the department of surgery, Royal Veterinary College, London, will be in this country from mid-September till 20 December. She will spend a month in the department of internal medicine, Cincinnati General Hospital, and 2 months in the department of biochemistry at the Mayo Clinic.

J. E. LOVELOCK, member of the

staff of the National Institute for Medical Research, Mill Hill, London, will spend approximately 6 months, commencing 12 October, in the department of internal medicine at Yale University School of Medicine as a member of the Yale University visiting faculty. He will take part in a program of research closely related to his own work, the lipid metabolism of red blood cells.

KATHERINE TANSLEY of the Medical Research Council's Ophthalmological Research Unit, London, will be a visiting scientist at the National Institutes of Health, Bethesda, Md., for a period of 1 year, beginning 4 October.

HENRY S. ODBERT has been named program director for psychobiology, Division of Biological and Medical Sciences, National Science Foundation. He was formerly chief of the occupational analysis branch of the Personnel Laboratory, Detachment No. 1 of the Wright Air Development Center, Lackland Air Force Base, Tex.

E. J. ARIENS, professor of pharmacology and chairman of the department of pharmacology at Nijmegen University, Nijmegen, Netherlands, presented two lectures in mid-September at the department of pharmaceutical chemistry, School of Pharmacy, University of Maryland, Baltimore.

ARTHUR H. MOREY of Erie, Pa., manager of the Railroad Locomotive Advance Engineering Unit of the General Electric Company, will receive the George R. Henderson Medal from the Franklin Institute on 15 October for his work in connection with developing the gas turbine-electric locomotive.

Recent Deaths

ERIC DE BISSCHOP, Auckland, New Zealand; 66; French oceanographer and explorer; died during a trip by raft in the South Seas through which he hoped to prove that Polynesian peoples could have drifted from the South Seas to South America and back again; 30 Aug.

GEORGE H. CLOWES, Indianapolis, Ind.; 80; biochemist who helped to develop the first commercial production of insulin in this country; pioneer in the study of spontaneous recovery from cancer in animals; research director of Eli Lilly and Company from 1929 until his retirement in 1946; was for 18 years with the New York State Institute for the Study of Malignant Diseases in Buffalo before joining Eli Lilly and Company; 26 Aug.

LOUIS J. CURTMAN, White Plains, N.Y.; 70; head of the qualitative analysis division of the department of

chemistry at City College in New York until his retirement in 1944; member of the research staff of Harriman Research Laboratory at Roosevelt Hospital in New York from 1913 to 1921; author of many books and textbooks; 30 Aug.

RALPH K. DAY, Columbus, Ohio, 61; research forester at the Central States Forest Experiment Station for more than 30 years; 23 Aug.

EDWIN S. GAULT, Philadelphia, Pa.; professor of pathology at the Temple University Medical School; 1 Sept.

MARSHALL O. LEIGHTON, Cape Elizabeth, Me.; 84; consulting engineer in Washington, D.C., for many years; former chief hydrographer for the Federal Government; did hydroelectric power explorations in Mexico and in the Andes Mountains in 1929; 29 Aug.

RAYMOND P. LUTZ, Princeton, N.J.; 57; director of research at the new Western Electric Research Laboratory in Hopewell; 30 Aug.

ALLISTER M. MACMILLAN, Ithaca, N.Y.; 49; senior research associate in the department of sociology and anthropology at Cornell University since 1950, and associate professor of sociology in the department of psychiatry at the university's Medical College since 1957; made major contributions in the early development of social psychiatry; was developing a screening survey for use in the study of mental illness in the community at the time of his death; 13 Aug.

ANDREW L. NELSON, Union, N.J.; 54; formerly oceanographer with the Lamont Geological Observatory, Palisades, N.Y., and commander of the British research ship *Discovery II*, which made three trips to Antarctica; 26 Aug.

A. JUDSON QUIMBY, New York, N.Y.; 83; physician and one of the first clinical professors of radiology; consultant on radiology and roentgenology at Polyclinic Hospital before retirement in 1950; director of the department of radiology and roentgenology at the hospital's postgraduate medical school; 1924-36; devised an x-ray gall bladder test and a kidney x-ray; founder of the American College of Radiology; 24 Aug.

HARRY J. SNOOK, Stockton, Calif.; 72; biologist and former teacher at Stockton College; co-author of *Seashore Animals of the Pacific Coast*; 22 Aug.

JESSIE STEWARD, Boston, Mass.; 44; assistant director of the Massachusetts General Hospital School of Nursing; supervisor and teacher at the Massachusetts Eye and Ear Infirmary for 6 years before joining the school of nursing; 28 Aug.

FORD L. WILKINSON, Terre Haute, Ind.; 63; president of Rose Polytechnic Institute since 1949; academic dean of the United States Naval Academy Post Graduate School before 1949; 1 Sept.