News and Notes

The National Science Board

On November 2, President Truman announced his appointments to the twenty-four-man board of the National Science Foundation. The appointments must still be confirmed by the Senate. One of the first duties of the board will be the nomination of a director, whose appointment, however, is the prerogative of the President. The Foundation will start its work with the meager $225,000 allotted it just before the Congress recessed for the election. The complete list of appointees follows.

Sophie B. D. Aberle, Division of Medical Science, National Research Council

Chester I. Barnard, director, National Bureau of Economic Research, Inc.

Robert P. Barnes, associate professor of chemistry, Howard University

Detlev W. Bronk, president, The Johns Hopkins University, and president, National Academy of Sciences

Gerty T. Cori, professor of biological chemistry, Washington University Medical School

James B. Conant, president, Harvard University

John W. Davis, president, West Virginia State College

Charles Dollard, president, Carnegie Corporation of New York

Lee DuBridge, president, California Institute of Technology

Edwin B. Fred, president, University of Wisconsin

Paul M. Gross, dean of the Graduate School, Duke University

George D. Humphrey, president, University of Wyoming

O. W. Hyman, dean of administration, Memphis Division, and dean of College of Medicine, University of Tennessee

Robert F. Loeb, director of medical service, Presbyterian Hospital, New York, and professor of medicine, Columbia University

Donald H. McLaughlin, chairman, Advisory Committee on Raw Materials, Atomic Energy Commission, and president, Homestake Mining Co.

Frederick A. Middlebush, president, University of Missouri

Edward L. Moreland, executive vice president, Massachusetts Institute of Technology

Joseph C. Morris, vice president, Tulane University, and head of Department of Physics

Harold Marston Morse, professor of mathematics, Institute for Advanced Study, Princeton

Andrey A. Potter, dean of Engineering Schools and director, Engineering Experiment Station, Purdue University

James A. Reyniers, director, Bacteriological Laboratories, University of Notre Dame

Elvin C. Stakman, chief, Division of Plant Pathology and Botany, University of Minnesota

Charles Edward Wilson, president, General Electric Company

Patrick H. Yancey, head, Department of Biology, Spring Hill College

The National Science Foundation Act instructed the President to appoint a National Science Board of twenty-four members who "(1) shall be eminent in the fields of the basic sciences, medical science, engineering, agriculture, education, or public affairs; (2) shall be selected solely on the basis of established records of distinguished service; and (3) shall be so selected as to provide representation of the views of scientific leaders in all areas of the Nation." How well the President succeeded in this multidimensional problem is shown by the following analysis of some of the more obvious characteristics of the twenty-two men and two women whom he appointed.

1. *Fields represented.* Chemistry is the most frequently represented science, with three members. Engineering, medicine, physics, and physiology have two each. Bacteriology, biochemistry, biology, botany, geology, mathematics, plant pathology, and political science have one each. There are two foundation executives, two industrial executives, and one who specialized in education. Twenty of the twenty-four hold university appointments. No government employees were included. Industrial and working scientists, as distinct from administrators, seem to be underrepresented.

2. *Eminence.* Administrators predominate in the group. There are seven university presidents, four vice presidents, five deans, directors, or chairmen of university divisions or departments, one research director, and three professors. The universities they represent are private, public, large, small, Catholic, Protestant, nondenominational, Negro, and white. The four nonuniversity members are the presidents of two large foundations and two industrial companies.

The median age is fifty-six. Eight are over sixty, and two are under forty-eight. Eight of the members belong to the National Academy of Sciences, and one, Gerty Theresa Cori, is a Nobel laureate. Fourteen are Fellows of the AAAS, including the retiring president, a past president, and a member of the Executive Committee.

3. *Geographic representation.* The regions of birth, education, and present residence of the members are shown in the accompanying table.

REGION OF BIRTH, EDUCATION, AND PRESENT RESIDENCE OF MEMBERS OF THE NATIONAL SCIENCE BOARD

Region	Birth	Bachelor's degree	Highest earned degree	Present residence
North-Eastern	7	5	9	7
North-Central	6	6	8	6
South	8	6	1	7
West	1	3	1	4
Foreign	2	1	2	0
Unknown or none	—	3	3	—

About People

Harry K. Bell and **Donald C. Zeiger** have been added to the staff of the Department of Horticulture, Rutgers University, as instructors. **Harry C. Kohl** recently joined the department as extension associate professor of floriculture. He took the place of **Richard B. Farnham,** who is now executive secretary of the New York Horticultural Society.

Alan D. B. Clarke, of the Institute of Psychiatry, Maudsley Hospital, London, will not be able to carry out his plans for study at the University of Michigan and elsewhere in the United States. In accordance with the terms of a fellowship in social psychology recently awarded to him by the Rockefeller Foundation, he and his wife had been granted visitors' visas under Section 201 of the U. S. Information and Educational Exchange Act of 1948 and had expected to sail from England for New York on October 18. He learned on October 13 that all existing visas were suspended and that revalidation would be necessary. According to his own statement, "The following day we went to the Embassy and were there asked to swear an affidavit under the new regulations. This affidavit related to political matters which we felt were the individual's private concern, and we informed the Vice-Consul that we were not prepared to sign the document on principle. Revalidation of our visas was then refused."

An applied mathematician, **Leonard Greenstone,** of Brooklyn, N. Y., has joined the Department of Applied Physics at Stanford Research Institute. He will work on problems of shock waves and compressible flow and will supply general mathematical assistance to various department projects. Before joining SRI, Dr. Greenstone was an assistant professor at the University of California at Los Angeles.

The former director of research for Standard Brands Incorporated, **William R. Johnston,** has been appointed vice president in charge of research. Dr. Johnston started with the company in 1933 as research chemist at the Fleischmann Laboratories.

Harold J. Magnuson has been recently appointed a member of the World Health Organization Expert Advisory Panel on Venereal Infections and Treponematoses. Dr. Magnuson is the director of the Venereal Disease Experimental Laboratory of the USPHS and research professor of the Department of Experimental Medicine in the School of Public Health, University of North Carolina.

A. E. Michelbacher, associate entomologist of the Experiment Station of the University of California College of Agriculture, and **E. S. Ross,** curator of entomology, California Academy of Sciences, San Francisco, are conducting a comparative study of entomological problems in Peru and Chile with those of California. Of primary interest will be study and comparison of methods of insect control, and investigation of the habits and ecological requirements of destructive insects that might prove troublesome in California.

James A. Rafferty, for more than two years chief of the Department of Biometrics at the Air Force School of Aviation Medicine, Randolph AFB, Texas, has been named assistant for operations analysis at USAF headquarters in Washington, D. C.

Edward C. Reifenstein, Jr., has been named director of the Research Institute of Oklahoma Medical Research Foundation. Dr. Reifenstein was formerly consultant and executive director of the Medical and Research Division of Ayerst, McKenna & Harrison, Ltd.

G. W. Schneider, formerly assistant professor in horticulture, Rutgers University, has joined the staff of the Department of Horticulture, North Carolina State College, as associate professor of horticulture in charge of the Pomology Division.

Visitors

Richard Becker, professor of theoretical physics at the University of Göttingen, has been appointed visiting professor of physics at Carnegie Institute of Technology, where he will take part in a program of research on magnetism and low-temperature phenomena. Dr. Becker will also serve as theoretical consultant on the program of research in low-temperature physics, and will lead a series of seminars on statistical mechanics.

M. G. Evans, of the University of Manchester, is presenting a series of lectures on "Reaction Kinetics" in the Department of Chemistry, University of Notre Dame. The lectures, which began November 15, will be continued through December 13, 1950.

Fellowships

The American Telephone and Telegraph Company has announced the availability of the **Frank B. Jewett Fellowships** in the physical sciences. These postdoctoral fellowships, including chemistry, mathematics, and physics, carry a grant of $3,000 to each fellow and an additional honorarium of $1,500 to the academic institution where the fellow pursues his research. Further information may be obtained from J. C. Boyce, Argonne National Laboratory, Chicago.

Women with the equivalent of a Ph.D. degree, carrying on research in the mathematical, physical, or biological sciences, who need financial assistance and give evidence of high ability and promise, are eligible for the 1951–52 **Sigma Delta Epsilon fellowships.** Applications should be made before *February 1;* blanks may be obtained from Dr. Mayme I. Logsdon, The University of Miami, Coral Gables 46, Fla. Announcement of the award will be made early in March.

Six predoctoral fellowships in the Departments of Chemistry and Chemical Engineering at Princeton University will be offered for the academic year 1951–52 by the **Textile Research Institute.** Successful candidates accepted by both the institute and the university will receive a stipend of $1,200, plus all fees for first- and second-year fellows; $1,800, plus fees, for the third year after successful performance in the Ph.D.

preliminary examinations. Programs of study are identical with those of other graduate students in the departments concerned except that the thesis research will be done at the institute's laboratories in Princeton. Further information and application blanks may be obtained from Dr. John H. Dillon, Director of Research, Textile Research Institute, Box 625, Princeton, N. J.

Meetings and Elections

The Indiana Academy of Science elected the following officers at its annual meeting at Hanover College, November 2–4: president, W. P. Morgan, Indiana Central College; vice president, J. E. Switzer, Bloomington; secretary, W. A. Daily, Eli Lilly & Company; and treasurer, Frank Welcher, Indiana University Extension, Indianapolis.

The National Standardization Conference of the American Standards Association will be held at the Waldorf-Astoria in New York, November 27–29. Features of the meeting outlined in the preliminary program include a discussion of practical application of standardization to meet needs in industrial production and military procurement, a session sponsored by the Committee on Standardization, National Association of Purchasing Agents, a consumer clinic, and a conference of executives of organization members of the association.

The American Society of Mechanical Engineers will hold its annual meeting in New York at the Hotel Statler, November 27–December 1. The scope of the meeting encompasses the development of power, the design of machines, and the management of men for the exploitation of both. The 19th National Exposition of Power and Mechanical Engineering will be held in Grand Central Palace, concurrently with the meeting. On exhibit will be the newest products of engineering, highly specialized components of big power plants, and smaller units for individual power. "Air Cargo Day," sponsored jointly with the Institute of Aeronautical Sciences and the Society of Automotive Engineers, will include technical papers on air cargo developments, including aircraft and ground-handling facilities, and exhibits by major airlines and aircraft manufacturers.

The midwinter meetings of the **American Psychoanalytic Association** will be held at the Waldorf-Astoria in New York, December 7–10. Thursday, December 7, will be devoted to an all-day meeting of the executive council; the Board on Professional Standards will meet all day Friday; the business meeting of the members will be held on Saturday morning; and Saturday afternoon and Sunday will be devoted to scientific sessions, which will include panel discussions as well as individual papers.

The Division of High-Polymer Physics of the American Physical Society will hold its eighth meeting in Chicago, November 24–25, at the University of Chicago and the Museum of Science and Industry. A feature of the meeting is a symposium on "Solidification and Crystallization in Polymers," presented in conjunction with a related symposium of the Division of Solid-State Physics, which is also meeting in Chicago.

Colleges and Universities

Cornell University has established the William F. E. Gurley Fund in Paleontology, in the Department of Geology, for the "furtherance of the study of paleontology by prizes, scholarships, technical publications, collections or otherwise." Named after the noted geologist, who died in Chicago in 1943, the fund is based on a gift of $75,000 which he made to the university for this purpose.

The University of California's new Cancer Research Genetics Laboratory, located on the Berkeley campus, is functioning as a vital link in the university's state-wide cancer research program. The threefold objective of the laboratory includes carrying out a research program in the field of cancer genetics, providing appropriate animals for experimental work in all university cancer research programs, and serving as a clearinghouse of information and techniques in cancer genetic research for workers in other departments. At present located in the old Veterinary Science Building, the laboratory will eventually be housed in specially designed quarters provided for by legislative appropriation. Kenneth B. DeOme, associate professor of zoology, is director of the laboratory.

The U. S. Public Health Service has renewed the following grants: To Ruth E. Miller, $5,448 for one year for "A Study of the Effect of Immune Reactions on the Metabolism of Bacteria"; to Harold T. Freeman the sum of $2,500 for a year for (1) "Determination of Ascorbic Acid Content of Gastric Juice, Sputum, Urine and Blood in Patients with Known Organic G.-I. Disease"; (2) "Similar Determinations in Normals before and after Vitamin C Saturation"; and to Harold L. Israel a new grant of $8,661 for a two-year period for "Endocrinological Study of Patients with Sarcoidosis." All research will be done at the **Woman's Medical College,** Philadelphia.

The University of Pittsburgh's new Graduate School of Public Health, made possible by a gift of $13,600,000 from the A. W. Mellon Educational and Charitable Trust, opened at the beginning of the current term. Degrees of Doctor of Public Health and Master of Public Health will be awarded to physicians, nurses, sanitary engineers, dentists, bacteriologists, and workers in allied fields. Special study and research in occupational and industrial health and hospital administration are also offered. A health district is being established in the Lawrenceville area of Allegheny County as a practice field for students. The school, now a part of the University Medical Center, expects to have a Department of Physiological Hygiene in operation by 1951.

The Instituto de Nutrición de Centro America y Panamá, Guatemala, recently celebrated its first anniversary with an open house and a presentation of a scientific program. In addition to field teams in each member country, consisting of

a physician, a nutritionist, a hematologist-parasitologist, and a nurse, the institute in Guatemala has active programs in food analysis, hematology-parasitology, and clinical chemistry, microbiology and immunology, blood vitamin analyses, serum protein studies, and amino acid chromotography in urine and foods. This institute, sponsored by the Pan American Sanitary Bureau, World Health Organization, is directed by Nevin S. Scrimshaw. Reprint exchanges are especially requested.

The first known safety program of its kind, aimed at protecting research workers in campus laboratories from the hazards of radiation, has been launched at **Ohio State University.** The venture was established to help solve the problems created by the steadily mounting use of radiation-generating machines and radioactive materials in the university's research projects. Lester R. Rogers, who has been especially trained in health physics, is superintendent of the new safety program. He will be responsible for establishing safety measures in all areas of research and study in which generating machines and radioisotopes are used, and will keep records of the receipt and distribution of radioisotopes, make systematic surveys of the laboratories in which they are used, maintain records of blood counts of exposed persons, and check methods of disposal of radioactive waste materials.

New appointments in the department of Anesthesiology at the **Woman's Medical College,** Philadelphia are Hrant Stone, associate professor and chairman of the department; William Tudor Price, associate; Mary Gray Holderman, clinical assistant, Department of Anatomy; and Jean MacCreight, assistant professor.

Yale University astronomers have finally brought to a close one of the most intensive photographic mapping jobs ever undertaken by a single observatory, after half a million measurements and 23 years of work. Ida Barney, research associate in astronomy at Yale Observatory, has been honored for the task she began in 1927 under the sponsorship of the late Frank Schlesinger, former director of the observatory. Computations of the measurements made fill 13 volumes, and the number of stars measured amounts to more than 128,000. The mapping covered the sky from 30° south of the celestial equator to 30° north. The proper motions of the stars were determined by comparing the results of this study with those recorded more than 50 years ago. Participating with Yale in the work were Lick Observatory, Naval Observatory, the Greenwich Observatory, and the Cape of Good Hope Observatory. The greater number of photographic plates were made at the Yale-Columbia Southern Station, at the University of the Witwatersrand, Johannesburg, South Africa.

Industrial Laboratories

Adrian Kameraad has been added to the staff of **Kremers-Urban Co.,** Milwaukee, as director of research. He was formerly scientific director of Van Patten Pharmacal Company in Chicago and instructor in anatomy in Northwestern University Medical School. Ralph Lubnow has joined the staff as control chemist.

A new price list of **more than** 2,400 organic chemicals has been published by **The Matheson Company,** East Rutherford, N. J. The list contains the regular line of chemicals plus several hundred new compounds. Copies are obtainable on request.

Merck & Co., Inc. has announced that cortone soon will be made generally available through distributors, hospitals, institutions, and pharmacies for use by the physician in his daily practice. A further price reduction is effective immediately. The suggested list price to physicians is $35 a gram.

Sharp & Dohme, Inc., Philadelphia, has announced the appointment of Harold V. Darnell as commodity analyst. A former vice president of the American Pharmaceutical Association, Mr. Darnell was also assistant to the secretary and editor of the Practical Pharmacy edition of the *Journal of the American Pharmaceutical Association.*

NRC News

At the end of its first year of operation, the **NRC Committee on Problems of Alcohol** has under its auspices 6 projects for research and education in the general field of alcoholism. These projects are being carried out by: the Chicago Committee on Alcoholism, at the University of Nebraska School of Pharmacy and the Elgin (Ill.) State Hospital; the Cornell University Medical College–New York Hospital, an investigation into the causes of chronic alcoholism, directed by Oskar Diethelm; New York University–Bellevue Medical Center, a study of biochemical and endocrinological aspects of alcoholism, directed by James J. Smith; New York University School of Education, a course in alcohol education by Morey R. Fields and Jay B. Nash; Biochemical Institute of the University of Texas, studies in metabolic factors in the etiology of alcoholism, directed by Roger J. Williams; and the University of Washington, studies on the allergic factor in chronic alcoholism, directed by Walter L. Voegtlin.

The committee is inviting investigators to submit research proposals concerned with the action of alcohol on human beings or animals, and it will attempt to find financial support for those projects it approves. Some of the areas of research that the committee feels need further study are the action of alcohol in furnishing energy, and the resulting reaction products; the action on the nervous system; unusual psychological reactions; and the various effects of alcohol on the physiological and psychological performance of susceptible persons.

The Chemical-Biological Coordination Center of the National Research Council announces the publication of a chemical code developed by the members of its Chemical Codification Panels and staff. The title of the 98-page booklet is ***A Method of Coding Chemicals for Correlation and Classification.*** The code was devised primarily to permit the use of

punched cards in the correlation of chemical structure with biological action. The booklet contains the rules and directions for coding organic and inorganic compounds; a listing of code symbols; a description of how the code can be used in connection with punched cards, including a brief description of machine operations; the punched-card layout; and about 200 examples of the coding of organic and inorganic compounds. Copies may be obtained from the Publications Office, National Research Council, 2101 Constitution Ave., Washington 25, D. C., at $1.50 per copy, postpaid. Checks or money orders should be made payable to National Academy of Sciences.

Three new compilations of geological information are now available from the American Geological Institute of the NRC: Report No. 2, ***The Earth for the Layman*** (50 pp., $1); Report No. 3, ***Non-Industrial Research in the Geological Sciences, 1950*** (80 pp., $2); and Report No. 4, ***Geological Guide Books and Road Logs in the United States*** (77 pp., $1).

The Earth for the Layman is a selected list of books and pamphlets, mostly nontechnical, on geology, mining, rocks and minerals, gems, fossils, evolution, and related subjects, ranging from novels with a background of geological interest to instruction books for the amateur mineralogist or fossil collector. Many titles are annotated.

The report on nonindustrial research contains a listing of 3,000 research projects in progress in the U. S., Canada, and Mexico, grouped under 30 subfields of geology, and also, in many cases, by geographic area. The information includes the name of the researcher and his affiliation; title or brief description of the work; and the expected date of completion and place of publication.

Guidebooks and pamphlets that have been prepared by geological societies and other agencies are listed in Report No. 4. Since many of these contain information never before formally published, they represent often overlooked but valuable sources of areal geology. For each guidebook the report gives the title, area or route covered, date of publication, description of text and illustrations, disbursing agency, and whether now available and at what price.

Human Factors in Undersea Warfare, a 540-page survey prepared by the Panel on Psychology and Physiology of NRC's Committee on Undersea Warfare, may be obtained from the NRC Publications Office for $2.25. The book summarizes present knowledge and research in several psychological fields, as well as their applications to the unusual conditions under which men live and work in a submarine. Parts of the survey consider general visual problems, including maps and charts, instruments, and radarscope visibility; design and arrangement of operating equipment; auditory problems, including sonar operation; communications, especially voice; physiological factors of habitability such as temperature, humidity, diet, and sleep; psychological factors of habitability such as noise, lighting and color, and motion sickness; emotional problems and stresses in a submarine crew; selection and training of men, particularly in military services; and personnel resources for research in applied experimental psychology. Each of the 24 chapters contains a bibliography.

Deaths

The widely known mineralogist, petrologist, and authority on southwestern Ohio geology, **Otto C. von Schlichten,** died October 4 of a heart attack. He was 64. A University of Cincinnati graduate, he had served as Missouri State Geological Survey geologist as well as on the faculties of Lehigh University and Cincinnati.

Clyde A. Malott, 62, who retired in 1947 as professor of geology at Indiana University because of ill health, died in Bloomington, Ind., August 26, of a rare disease of the spleen. Dr. Malott was head of the Department of Geology and Geography from 1941 to 1945. He was an authority on geomorphology, and was well known as a student of underground drainage and caverns. He was also a foremost authority on the stratigraphy of the Chester series of the Indiana-Illinois Coal Basin and was a successful petroleum geologist, having found and developed his own oil field.

Miscellaneous

The main dome of the largest and most modern observatory in France, **l'Observatoire de Haute Provence,** near Forcalquier (Basses Alpes), was dedicated October 1. Its telescope has a mirror 4 feet in diameter, with a magnifying power of 2,400. The apparatus weighs 7 tons but can easily be moved by hand. This observatory, which will eventually have three domes, is the main structure of an astronomical research center that includes ultramodern laboratories and precision-instrument workshops.

The Department of Agriculture has sent Clayton R. Orton, dean of West Virginia College of Agriculture, Forestry, and Home Economics, to Liberia, where he will make a study of agricultural development potentials. The assignment is one of the first to be made under legislation recently enacted by Congress to help underdeveloped areas accelerate their economic development and improve their standards of living. Dr. Orton's recommendations will serve as a guide to the U. S. government in giving technical assistance in developing the agriculture of the West African republic.

The American Geographical Society has just launched a new publication, *Focus.* The four-page information journal, to be issued monthy except July and August, will provide treatment of world problems and events in the news from the viewpoint of scientific geography. The entire first issue of *Focus* is devoted to a "Korean backdrop." Illustrated with maps showing physiographic features, land use and communications, mineral and power resources, and population distribution, the periodical illustrates the economic interdependence of north and south Korea. George H. T. Kimble, director of the society, has announced that forthcoming issues

of *Focus* will deal with such subjects as Russia's petroleum resources, the water problem of the U. S., strategic Iran, and other significant problems.

Sharpe and Dohme has developed a modified insulin—NPH Insulin—that increases stability and duration of the blood sugar lowering effect in treatment of diabetes mellitus. The new insulin, a combination of protamine and zinc-insulin crystals, can be substituted for regular insulin and usually requires only one dose daily. Dosage is determined individually for each patient.

The many common problems facing the supervisors of research animal quarters in medical schools and research institutions in the Chicago area have prompted the individuals concerned to form an organization, the **Animal Care Panel,** whose purpose is directed toward the solution of these problems. The first meeting will be held at Dora De Lee Hall, Lying-In Hospital, University of Chicago, on November 28. There will be no registration fee, and advance registration is not necessary. Further information concerning the group and its work may be obtained from Bennett J. Cohen, Supervisor, Animal House, Northwestern University Medical School, 303 E. Chicago Ave., Chicago 11.

In order to meet Australia's urgent need for increasing numbers of technologists and applied scientists, and to provide them with the means for advanced training and research, the Australian Parliament established **The New South Wales University of Technology** in April 1949. Ultimately to be governed by a council of thirty, consisting of representatives from Parliament, industry, commerce, trade unions, technical education bodies, professional organizations, the University of Sydney, and its own teaching staff and student body, the university provides courses leading to the Bachelor's degree in various applied sciences, and postgraduate courses leading to Master's and Doctor's degrees in science and engineering. Some short, special, intensive postgraduate courses not leading to higher degrees will also be provided. Students in most courses are required to attend classes for six months and to spend five months gaining practical experience in industry. Wallace Charles Wurth is chairman of the council and president of the university.

Representatives of the **U. S. Atomic Energy Commission** and the government of the United Kingdom are in Johannesburg, South Africa, holding discussions with Union authorities regarding the production of uranium from South African gold-bearing ores. The discussions are a continuation of those that took place in the Union a year ago. Representing the U. S. are Jesse C. Johnson, manager, Raw Materials Operations, AEC, Frank McQuiston, special advisor to Mr. Johnson, and A. A. Wells, special assistant to the AEC General Counsel.

The National Registry of Rare Chemicals, 35 West 33rd St., Chicago 16, submits the following list of wanted chemicals: phosphoryl fluorodichloride; sodium tetrametaphosphate; germanium difluoride; phosphonium sulfate; chromium carbonyl; 1,1,1-tribromoethane; tri-(*p*-isocyanophenyl)methane; 3-methylcoumarone; ω-hydroxydecanoic acid; 3,3-dichloropropene-1; heptacosane; 3-hexene-1-ol; 5-methylhexane-1-al; 1-methyl-4-methylol-glyoxaline; 1-methyl-4-methylol-imidazole; hexokinase, crystalline; myosin; sabinene; β-dimethylcholine; and primula acid.

The Division of Neoplastic Diseases of Montefiore Hospital for Chronic Diseases is presenting hourly conferences on the first and third Fridays of each month, in the hospital Social Hall. Alternate lectures are given by the hospital staff and are devoted to the presentation of interesting patients. Lectures by guest speakers are:

Dec. 1—"Genetics and Cancer," Clarence C. Little, Roscoe B. Jackson Memorial Laboratory.

Jan. 19—"Cancer of the Esophagus," John H. Garlock, College of Physicians and Surgeons, Columbia University.

Feb. 2—"Cytochemical Studies in Normal and Malignant Cells," Rudolph G. Leuchtenberger, Cleveland.

March 2—"Role of Research in Cancer," Howard B. Andervont, USPHS, Bethesda, Md.

April 6—"Hormonal Imbalances in Experimental Carcinogenesis," William U. Gardner, Yale University.

May 4—"Cancer of the Head and Neck," Hayes Martin, New York.

Recently Received

Experimental Studies on the Nature of Species. II. Plant Evolution through Amphiploidy and Autoploidy, with Examples from the Medinae. Carnegie Institution of Washington, Washington 5, D. C. $1.00 paper, $1.50 cloth.

A Contribution to the Ornithology of Northeastern Venezuela. Herbert Friedmann and Foster D. Smith, Jr., Smithsonian Institution, U. S. National Museum, Washington 25, D. C.

Bacteriological Proceedings, 1950. Society of American Bacteriologists, Baltimore, Md.

Factors Regulating Blood Pressure. Trans. 3rd Conference May 5–6, 1949. Josiah Macy, Jr., Foundation, New York City.

Bibliography on Sprays. Suppl. to Aug. 1948 ed. Kalman J. DeJuhasz and Wolfgang E. Meyer. Texas Company, Technical and Research Division, 135 East 42nd Street, New York City.

Commonwealth Scientific and Industrial Research Organization: First Annual Report, 1948–49. L. F. Johnston, Commonwealth Government Printer, Canberra, Australia. 7s.9d.

Nomads of the Long Bow: The Siriono of Eastern Bolivia. Allan R. Holmberg. Publ. No. 10, Institute of Social Anthropology, Smithsonian Institution, U. S. GPO, Washington 25, D. C. 65¢.

Robert Boyle's Experiments in Pneumatics and ***The Overthrow of the Phlogiston Theory.*** James Bryant Conant, Ed., Harvard Case Histories in Experimental Science. Harvard University Press, Cambridge, Mass.

Study of Diphtheria in Two Areas of Great Britain. Percival Hartley *et al.* Special Report Series 272, Medical Research Council. His Majesty's Stationery Office, York House, Kingsway, London. 4 s.

Ticks (Ixodoidea) of the Philippines. Glen M. Kohls. Bull. 192, National Institutes of Health. U. S. GPO, Washington 25, D. C. 10¢.