

# News and Notes

## Scientists in the News

**Lloyd V. Berkner** has been elected president of Associated Universities, Inc., to succeed **Frank D. Fackenthal**. Previously he was executive secretary of the Joint Research and Development Board of the National Military Establishment, and before that a consultant to NDRC. **George B. Pegram**, pioneer government adviser on atomic energy and vice president emeritus of Columbia University, has been elected chairman of the board of AUI. Dr. Pegram, who is also a consultant to the Oak Ridge Institute of Nuclear Studies, will preside at meetings of the 19-member board of AUI trustees. Mr. Berkner, as AUI president, will preside over the executive committee and administer all corporate activities.

**Edna Brandau**, director of merchandising in the College of Home Economics at Syracuse University, has been appointed director of education for The Wool Bureau. Mrs. Brandau, a merchandising authority and co-chairman of the Clothing and Textile Seminar at Syracuse University, will direct the bureau's newly organized Department of Education in its expanded program of wool promotion, education, and research.

**Thomas A. Burch** has been appointed medical officer in charge of a Public Health Service project in Liberia. For the past four years, Dr. Burch has been a staff scientist in the USPHS Laboratory of Tropical Diseases. Headquarters for the new PHS project will be the Liberian Institute of Tropical Medicine, of which Dr. Burch will also serve as director. The Liberian Institute, not yet completely constructed, was established in 1946 by the American Foundation for Tropical Medicine for the purpose of studying human and animal tropical diseases. The expenses of construction have been met in part through a gift of \$250,000 from Harvey Firestone, Jr., as a memorial to his father. Funds for laboratory equipment and supplies are to be made available through the Point Four Program, and research guidance and personnel are contributed by the Laboratory of Tropical Diseases. Dr. Burch and his team will investigate such tropical diseases as sleeping sickness, schistosomiasis, filariasis, and malaria. The Liberian Institute's facilities will also be available to other scientists interested in doing field research in the tropical diseases.

**A. Henry Detweiler**, of the College of Architecture at Cornell University, has been elected an associate trustee of the American School of Oriental Research for a two-year term. The organization, of which Cornell is a contributing member, has also appointed him chairman for 1951 of its Jerusalem school committee. Professor Detweiler spent January abroad as visiting professor of Roman archaeology at the Jerusalem school, organizing an expedition staff and supervising the resumption of excavation begun last winter in the Jordan Valley south of Jericho.

**Paul E. Klopsteg**, professor of applied science at Northwestern University, and director of research at its Technological Institute, left March 4 with Mrs. Klopsteg for Lahore, Pakistan, on invitation of the government of West Punjab Province. Dr. Klopsteg will serve as adviser on science and technology to a commission appointed by the government to study the organization and administration of the University of the Punjab, with a view to effecting changes that will result in better control, teaching, and administration of the university. The University of the Punjab is the principal degree-granting university in Pakistan, as well as the examining body for students who wish to enter college. It also exercises supervision over secondary education. Dr. and Mrs. Klopsteg expect to return in May.

**Choh Hao Li**, professor of biochemistry, University of California, Berkeley, will deliver this season's seventh Harvey Lecture at the New York Academy of Medicine on March 15. Dr. Li will speak on "Present Knowledge of Growth and Adrenocorticotrophic Hormones."

**William D. Lotspeich**, now at Oxford University, will return to the University of Cincinnati College of Medicine next September as head of its department of physiology. Dr. Lotspeich will succeed **Martin H. Fischer**, now professor emeritus of physiology, and will occupy the Joseph Eichberg chair of physiology. Since Dr. Fischer's retirement, **Gustav Eckstein**, professor of physiology, has been acting department head.

**D. F. Milam**, who for the past two years has been national director of the Planned Parenthood Federation, has been appointed medical director of the New York Heart Association. From 1924 to 1949 he was on the field staff of the international health division of the Rockefeller Foundation.

**Max Milner** has been retained by the Midwest Research Institute as consultant in the field of cereal chemistry and technology. Dr. Milner will continue in his present capacity as professor of milling industry at Kansas State College while serving in this part-time position. He was formerly a research chemist at Pillsbury Mills and the University of Minnesota, and has been a member of the Kansas State faculty since 1947.

**Dorothy M. Morgan**, superintendent of St. Barnabas Hospital, Minneapolis, has been appointed director of nurses of the University of Chicago Clinics, to succeed **Mary I. Bogardus**, who retired February 1. Miss Morgan will be a member of the nursing education and hospital administration program faculties in addition to her duties as director of nurses, and will have charge of nursing services in Albert Meritt Billings Hospital, the Nathan Goldblatt Memorial Hospital, Bobs Robert Memorial Hospital for Chil-

dren, the Home for Destitute Crippled Children, and the projected Argonne National Cancer Hospital and Charles Gilman Smith Hospital for Infectious Diseases.

**Sigeiti Moriguti**, assistant professor of applied mathematics at the University of Tokyo, is spending the academic year 1950-51 in research and study of mathematical statistics at the University of North Carolina under the sponsorship of the United States Army. He is the author of numerous research articles and a book on the theory of statistics.

**Alexander Nesmeyanov**, chemist, and head of Moscow University, has been elected president of the Soviet Academy of Sciences. He succeeds the late **Sergei Vavilov**.

**Edward A. Power** will serve as chief of the Branch of Material Facilities of the recently established Defense Fisheries Administration. Mr. Power served in a somewhat similar capacity in World War II when he was detailed from the Fish and Wildlife Service to the Office of the Coordinator of Fisheries to assist in handling priorities and materials equipment requirements for the fishing industry. Mr. Power has been chief of the Statistical Section of the Branch of Commercial Fisheries since 1938.

**Ruby Redford**, since last August acting editor of *Illuminating Engineering*, has been named editor, succeeding **G. Ross Henninger**, who resigned last August to take a post with Iowa State College. Miss Redford was formerly with the General Electric Company Lamp Department at Nela Park.

**Milner B. Schaefer** has been appointed Director of Investigations for the newly formed Inter-American Tropical Tuna Commission. Mr. Schaefer, a fishery research biologist with the Fish and Wildlife Service, resigned from Federal service to assume his new duties with the Commission in San Diego, Cal. He has been stationed in Honolulu, where he has served since August 1948 as chief of the Section of Research and Development in the Service's Pacific Oceanic Fishery Investigations for the development of the tuna fisheries of the central Pacific Ocean.

**Carl F. Schmidt**, of the University of Pennsylvania School of Medicine, recently functioned as Georgetown University's Hachmeister Lecturer for 1951 because of his outstanding discoveries in the pharmacology of respiration. Dr. Schmidt is president of the American Society of Pharmacology and Experimental Therapeutics. The Hachmeister Lectureship in Pharmacology was established in 1949 by a grant from the A. C. Hachmeister Corp., Pittsburgh, in honor of its founder and first president.

**David Seegal** has resigned as professor of medicine, State University Medical Center at New York, and director of the medical services, Maimonides Hospital of Brooklyn, to accept the position of professor of medicine, College of Physicians and Surgeons, Colum-

bia University, and director of the Columbia University Research Service, Goldwater Memorial Hospital, Welfare Island.

**William Shanahan**, formerly of the Institute of Psychoanalysis of the University of Chicago, has accepted appointment as professor of psychiatry at the University of Texas Medical Branch, Galveston, and director of the State Psychiatric Hospital. Dr. Shanahan has also directed the Division of Mental Hygiene of the Hawaii Territorial Health Department.

**James H. Sterner** has succeeded **William A. Sawyer**, Kodak's medical director for 31 years, who will continue with the company as medical consultant. Dr. Sterner, a well-known authority on industrial medicine and atomic energy health problems, has been Kodak's associate medical director since January 1949.

The Institute for Fluid Dynamics and Applied Mathematics is sponsoring a series of public lectures at the University of Maryland. **John L. Synge**, professor of theoretical physics at the Dublin Institute for Advanced Studies, opened the series with lectures on "Hamilton's Method in Geometrical Optics" and "The Relativity Theory of A. W. Whitehead." On March 29 and 30, **M. J. Lighthill**, professor of mathematics at The University, Manchester, will discuss Shock-Wave Phenomena; **Alexander Weinstein** will consider "New Methods for the Approximation of Eigenvalues" on April 10 and 11. The series will be concluded June 26, 27, and 28, when **Johannes M. Burgers**, professor of fluid dynamics, Institute of Technology, Delft, will present three lectures on "Non-uniform Propagation of Shock Waves."

**Willis L. Tressler** has recently joined the staff of the Division of Oceanography, U. S. Navy Hydrographic Office, Suitland, Md. He has been serving as associate professor of zoology at the University of Maryland.

**Abraham White**, chairman of the Department of Physiological Chemistry, University of California at Los Angeles School of Medicine, has resigned to become vice president and director of research of Chemical Specialties Company, Inc., New York.

**Walter J. Williams**, production manager of the Atomic Energy Commission for the past four years, has been made deputy general manager. He succeeds **Carleton Shugg**, who resigned to accept an executive post with the Electric Boat Company of Groton, Conn., which is developing an atomic submarine for the Navy. To replace Mr. Williams as production manager, the commission promoted **R. W. Cook**, now manager of the big Uranium 235 plant at Oak Ridge, Tenn.

**Mark W. Zemansky**, of the City College of New York Physics Department, has been elected president of the American Association of Physics Teachers. A former vice president of the association, he has been on the City College staff since 1921.

## Grants

Dr. and Mrs. Edwin J. Vickner have recently donated \$50,000 to Gustavus Adolphus College to set up the **Almen-Vickner Foundation**. Independently associated with the Folke Bernadotte Memorial Foundation—also established by the Vickners—its first project will be the creation of a museum illustrating cultural, scientific, and industrial development, especially of the U. S. and Sweden.

The **American Academy of Arts and Sciences** has awarded grants-in-aid to twelve persons in various parts of the country (though mainly in New England), for specialized studies in chemistry, physics, psychology, and several other sciences. The grants range from \$800 to \$2,000.

**Arctic Institute of North America** is offering research grants for 1952 for scientific investigations dealing with the arctic and subarctic regions. The work may be done in the field or at one of the Institute offices. Preference will be given to residents of North America, and completed applications must be received by next *November 1*. For information apply to Research Committee, Arctic Institute of North America, Broadway at 156th St., New York 32, or 3485 University St., Montreal, Canada.

Cornell has received a grant of \$5,000 a year for five years from **The Salvatore Giordano Foundation**, of Maspeth, N. Y., to underwrite basic research in the field of heat transfer. C. O. Mackey will direct the work, with the assistance of other staff members of the heat transfer laboratory of the Sibley School of Mechanical Engineering.

A **March of Dimes** grant of \$17,200 for the investigation of muscle action, under the direction of J. E. Markee, professor of anatomy at Duke University, will enable Dr. Markee and his colleagues to complete studies begun in 1945. The information so obtained is expected to be of tremendous value to surgeons and physical therapists working with the victims of infantile paralysis.

The **Morehead Foundation** has given \$2,000,000 to the University of North Carolina for scholarships beginning with next fall's classes. The scholarships will be awarded on the basis of demonstrated capability, character, leadership, and promise of future distinction and not on the basis of financial need. Men graduates of 31 North Carolina universities, colleges, and junior colleges will be eligible to apply this year.

The **Muscular Dystrophy Association** has given New York Hospital \$25,000 to try to find a cure for the disease, and is seeking \$250,000 for additional research. Contributions should be addressed to the organization at New York 53.

The **National Foundation for Infantile Paralysis** has provided a grant of \$23,956 to the Harvard School of Public Health for the development and evaluation of new methods of artificial respiration. It was at Harvard that the "iron lung" was developed.

More than 40 research projects will be undertaken this year at the University of Michigan, under grants amounting to \$51,351 from the **Horace H. Rackham School of Graduate Studies**. Work to be undertaken will include the creation of underwater harbor breakwaters, the preparation of a pollen atlas, and other studies in biology, physics, social science, the health sciences, fine arts, and language and literature.

The **ONRL Human Resources Division, Psychophysiology Branch**, is sponsoring visual studies by Brian O'Brien, University of Rochester, and by W. J. Crozier and W. S. Verplanck, of Harvard.

**Research Corporation** has awarded two grants to Occidental College for the investigation of the organic acids found in the fatty tissues of the brain, and for an attempt to determine the way in which halogen atoms are held to organic compounds. L. Reed Brantley, chairman of the Chemistry Department, will supervise the studies, with the assistance of W. Robert Winans and Frank L. Lambert. Pacific Union College has received \$1,600 from Research Corporation to assist the Chemistry Department in its work in spectrophotometry.

A grant of \$50,000 has been made by the **Edward G. Schlieder Educational Foundation** to the Louisiana State University School of Medicine for the support of research dealing with the toxemias of pregnancy. The project is under the direction of Curtis J. Lund and Howard J. Tatum, of the Department of Obstetrics and Gynecology.

**Swift & Co.** has made a grant of \$18,000 to the University of Illinois Bacteriology Department for a three-year investigation of the spore-producing microorganisms responsible for most of the spoilage in canned foods.

New **Wenner-Gren** appropriations will support 23 projects concerned with the various divisions of anthropology and five field research projects to be carried on by Americans in Nigeria, northern Sweden, Mexico, and the Caribbean area. Eight grants out of the \$77,800 appropriated will go to scholars and institutions in Mexico, Great Britain, Sweden, France, Germany, Kenya, and India. Additional funds will go to ten U. S. colleges, universities, and scientific institutions.

## In the Laboratories

Culminating six years of research, **Du Pont** has perfected an improved process for the commercial production of hydrogen peroxide and will build a new production unit near Memphis, Tenn., where it has already begun the erection of a sodium cyanide plant. Both units are expected to start operating before the end of 1952.

**Sinclair Oil Corporation** is enlarging its activities in the petroleum chemicals field, beginning with the creation of a new Petroleum Chemicals Division,

which will devote its initial efforts to specialized petroleum fractions and petrochemicals now manufactured, such as aromatic solvents, lubricating oil additives, demulsifying agents, and sulfonates. John A. Scott will be head of the new division.

The **Institute of Inventive Research**, San Antonio, has announced the availability of more than 30 new products, processes, and techniques for licensing. These range all the way from aircraft instruments to valves (nonrestricting fluid check), and are described in a printed bulletin which is available upon request.

Low K. Lee, formerly with North American Aviation, at Downey, Cal., is now supervisor of electronic equipment packaging and miniaturization in the Electrical Engineering Department, **Stanford Research Institute**.

The **U. S. Naval Ordnance Test Station** at Inyokern, China Lake, Cal., has appointed Howard J. Fisher assistant to the associate director for research and development. Dr. Fisher was formerly with Procter & Gamble. Preston L. Taulbee, physicist, has joined the Inyokern Evaluation Group. A. Donald Walsh, professor of chemistry at Leeds University, who is currently visiting professor of chemistry on the Berkeley campus of the University of California, was a recent lecturer at Inyokern.

**Southwest Research Institute** has created a Division of Military Research and Development, designed to expedite governmental and industrial projects geared to the defense effort. New appointments to the Institute staff include: William W. Bradshaw, research physicist; Kenneth Brady, research engineer; James Bright, architectural designer; William J. Burkett, Jr., chemical engineer; Robert A. Doak, Jr., mechanical engineer; E. J. Dower, research engineer; C. Kinney Longacre (USAF, ret.); John Mannix, research engineer; Cheryle C. Smith, research physicist; and W. A. Strutman, research engineer.

### Miscellaneous

**Civil Defense News** is a new publication summarizing ideas and developments in the field, published bi-weekly for local and state CD officials, company executives with CD tasks, industrial plant protection and safety officers, civic leaders active in CD planning, and press and periodical editors. Content is selected from publications of Federal, state, and city CD agencies, newspapers of all large cities, magazines and scientific journals, letters from CD officials, personal interviews with authorities, and the files of the Council on Atomic Implications, Inc. Robert B. Pettengill, director of the Sloan Foundation Teaching Institute of Economics at the University of Southern California, and Albert Gotlieb, executive secretary of the Council on Atomic Implications, Inc., are the editors.

Robert J. Kolenkow, a 17-year-old Niagara Falls, N. Y., high-school senior, among whose interests are

electronics, physics, chemistry, and astronomy, was winner of the grand prize of \$2,800 in the tenth **Westinghouse Science Talent Search** (*Science*, 113, 221 [1950]), which ended with a banquet in Washington, D. C., on March 5. He is the son of a U. S. immigration inspector and plans to enter MIT next fall to prepare for a career as a college physics teacher. His science project, the successful completion of which is prerequisite to winning a place among the 40 finalists, was the building of an electrical calculator that required six months of work. It contains 66 hand-made relays. In other projects Robert measured the speed of sound, made rayon, generated chlorine, and constructed an electronic musical instrument. He is president of the science club at Niagara Falls High School, vice president of the forensic society, and a member of the National Honor Society. He received the 1950 physics award at the Buffalo Science Congress and the American Legion Medal.

Second place, which includes a \$2,000 Westinghouse science scholarship, went to Frederick J. Ernst, Jr., of Ardsley, Westchester County, N. Y. Frederick, also 17, hopes to become a professor of mathematics and plans to enter Columbia University. He studied advanced mathematics on his own initiative and first tackled algebra at an early age—when he was in the fifth grade. Radio is one of his hobbies, and he is an active “ham.” His science project was a report on “A Relativistic Explanation of Gravitational Acceleration of Falling Bodies near the Earth.”

Eight other teen-age scientists were awarded \$400 Westinghouse science scholarships. They are: Karl Berkelman (17), Lewiston, Maine; Conrad V. Chester (17), Roslyn Heights, N. Y.; Rhea Mendoza (16), Kew Garden Hills, N. Y.; Peter Schneider (17), Brooklyn, N. Y.; Robert E. Simpson (17), Kenmore, N. Y.; Robert A. Spangler (17), Celina, Ohio; Richard M. Thomson (17), Delmar, N. Y.; and Nicholas A. Wheeler (17), The Dalles, Ore. The remaining 30 finalists received \$100 each.

Judges of the search were Harlow Shapley, director of the Harvard College Observatory; Harold Edgerton, vice president of Richardson, Bellows & Henry, Inc., consulting psychologists; Stuart H. Britt, director of personnel, McCann-Erickson, Inc.; and Rex Buxton, Washington psychiatrist. Three hundred high-ranking boys and girls (40 winners, 260 honorable mentions) were chosen from among 13,638 entrants, located in 34 states. In the ten Science Talent Searches, 400 young scientists have been given a start on useful careers in their chosen fields.

Watson Davis, director of Science Service, presided over the awards banquet, at which Henry DeWolf Smyth, a member of the Atomic Energy Commission, made the principal address. He declared, “It is even more important at the moment for us to encourage basic science than it was before the war . . . , for in the war years . . . we drew heavily on our reservoir a basic knowledge.”