

# News and Notes

## Scientists in the News

The Texas Gulf Sulfur Company has announced the election of **Walter H. Aldridge** as board chairman, **Fred M. Nelson**, president, and **Thomas S. Lamont** as chairman of a new executive committee. Mr. Aldridge has been president of the company throughout its 32 years. Mr. Nelson, who succeeds him as president, since joining the company in 1927 has been in charge of exploration and production. As executive assistant from 1945 to 1950 he was in charge of sour gas investigations. Since last year Mr. Nelson has been executive vice president of a company subsidiary in Mexico.

The Department of State has announced foreign missions for **Reginald M. Atwater**, **Joseph F. Volker**, and **Philip Bard** under its Exchange of Persons Program. Dr. Atwater, executive secretary of the American Public Health Association, left in June for a two-month lecture tour in Mexico, Panama, and several South American countries. Dr. Volker, dental dean at the University of Alabama, has gone to Thailand to spend four months as a consultant in dental techniques and to assist in a dental hygiene mass-education program. Dr. Bard, head of the Department of Physiology at Johns Hopkins, is delivering a series of lectures at the University of Chile this month.

**Boris A. Bakhmeteff**, authority on hydraulic engineering and water problems, and chairman of the AAAS Section on Engineering, has been named an honorary professor of civil engineering by the trustees of Columbia University. Apart from a distinguished career as an engineer and consultant on hydraulic problems, Dr. Bakhmeteff served as Russian Ambassador to the United States under the Kerensky government. Since 1931 he has been professor of civil engineering at Columbia. Dr. Bakhmeteff is the fourth person in Columbia's history to be honored by an appointment as honorary professor.\*

Under the joint sponsorship of the Iowa State College Institute for Atomic Research and Division of Science, **R. M. Barrer**, of the Chemistry Department, Marischal College, Aberdeen, Scotland, will visit the institute September 15-22 and will deliver three lectures on researches on minerals. **G. Schwarzenbach**, of the University of Zurich, will deliver 12 lectures on solution complexes, beginning September 20. **John Lennard-Jones**, of the University Chemical Laboratory, Cambridge, Eng., will lecture on the theories of molecular structure from November 19 until December 1.

**Hussein Kamel Selim Bey**, dean of the Faculty of Commerce at Fouad University and member of the Egyptian delegation to the Fifth General Assembly

\* News of Dr. Bakhmeteff's death on July 22 at his summer home in Brookfield, Conn., came as this issue of SCIENCE went to press.

of the United Nations, headed the Egyptian Town Hall Mission, which recently returned the friendly call of America's Town Meeting of the Air. Town Hall, Inc., of New York, managed the American tour of the Egyptian group.

**John J. Bittner**, director of the University of Minnesota's Division of Cancer Biology, has been named first winner of the Comfort Crookshank Award for Cancer Research, an honor presented through the Middlesex Hospital Medical School in London. Dr. Bittner will go to London in September to receive the award and at the same time will deliver a lecture on his research at the Middlesex school. The award, from funds donated by the late Bessie C. Crookshank, will be presented triennially to some scientist who has made valuable contributions to cancer research. Dr. Bittner, discoverer of the milk agent in mammary cancer in mice, is past president of the American Association for Cancer Research and winner of the 1950 medal of the American Cancer Society.

**Sidney Doree Black** has joined Horizons, Incorporated, as division supervisor in experimental physics.

**Robert G. Bloch**, professor of medicine, Section on Tuberculosis and Diseases of the Chest, University of Chicago, has resigned to accept the position of director of the Division of Diseases of the Chest at Montefiore Hospital, New York.

**W. L. Burlison** will retire on September 1 as head of the Department of Agronomy at the University of Illinois. He will be succeeded by **M. B. Russell**, professor of soil physics at Cornell.

Recent visitors at the Communicable Disease Center, USPHS, Atlanta, Ga., were **Joseba Kelmendi de Ustaran**, School of Hygiene, Santa Fé, Argentina; **Mario Sant' Ana**, State Department of Health, São Paulo; **Llewelyn F. Gunaratna**, Anti-Malaria Campaign, Colombo, Ceylon; **Anastasios Zairis**, Greek Ministry of Health, Salonika; **Ganga Prasad Chakravarti**, United Provinces Public Health Service, Pratapgarh, India; **M. L. Loganathan**, Mysore Public Health Service, Bangalore, India; **Leonard Jan Bruce-Chwatt**, Malaria Service, Medical Department, Lagos, Nigeria; **Consortia Bautista**, Manila; and **A. Kohn**, Weizmann Institute of Science, Rehovoth.

**Merriam A. Jones**, specialist in agricultural chemistry, has left on a Point IV technical cooperation assignment in Guatemala. He will join a group of seven OFAR technicians already at work at the jointly operated agricultural station there. Dr. Jones joined the Department of Agriculture in 1939 and served for six years at the agricultural experiment station at Mayaguez, P. R. Since 1946 he has been a research chemist in the Bureau of Agricultural and Industrial Chemistry.

**Luiz Carlos U. Junqueira** has been appointed professor and head of the Department of Histology and Embryology of São Paulo University Medical School. A laboratory for cell physiology is under organization in this department, aided by grants from the medical school and the Rockefeller Foundation.

**Alfred Kahler**, professor of economics in the graduate faculty of political and social science of the New School for Social Research, has been elected dean of the faculty. Dr. Kahler has been a member of the graduate faculty since 1934.

The Vitamin A Research Unit of the Bureau of Human Nutrition and Home Economics, under the leadership of **Elsa Orent Keiles**, nutrition chemist, has received the Distinguished Service Award presented by the U. S. Department of Agriculture. **Elizabeth C. Callison** had chief responsibility for the physiological aspects of the research. Miss Keiles has since been transferred to the Division of Research Grants and Fellowships, NIH.

**Robert T. Lagemann**, of Emory University, has accepted the chairmanship of the Department of Physics at Vanderbilt University. **F. G. Slack**, previously head of the department, has resigned and will make his home at Winter Park, Fla.

**Victor Lorber**, associate professor of biochemistry at Western Reserve University, has been appointed the first Career Investigator of the American Heart Association. He will receive a starting stipend of \$12,000 to conduct research relating to disorders of the heart and blood vessels, plus \$7,500 per year for technical assistance and supplies. The institution in which he will work will receive \$1,000 annually for overhead. The AHA intends to continue the support during the productive life of the researcher, and hopes to finance other Career Investigators.

**Giano Magri**, of Ferrara, Italy, Morris Fishbein, Jr., fellow, has arrived in the U. S. to undertake studies of rheumatic heart disease in children. He will work under the direction of **Aldo A. Luisada**, program director of cardiology and assistant professor of medicine, Chicago Medical School, dividing his time between the school laboratory at Mount Sinai Hospital and La Rabida Sanitorium.

**Ernst Mayr**, of the American Museum of Natural History, has been made an honorary member of the Kebun Raya Indonesia (Botanic Gardens of Indonesia). Others given this honor at the same time were: **Eduard Handschin**, director, Naturhistorisches Museum, Basel; **Dirk Fok Van Slooten**, of Amsterdam; and **August Adriaan Pulle**, of Utrecht.

**Alexander Murray**, an Eastman Kodak research scientist, has been named the outstanding person in the graphic arts industry for 1951 by the Technical Association of the Graphic Arts Industry. He received the award for his contribution of a long series of improvements to the printing industry. The award cited

particularly his work on tone reproduction and dot etching problems.

**Edmund W. Oesterreich**, who developed the "pole top" method of artificial respiration for the resuscitation of electric shock victims, has received a citation for distinguished service and a special commemorative bronze medal from the Edison Electric Institute. The Oesterreich method, an adaptation of the Schaefer method, is credited with saving the lives of more than 100 linemen since its first use in 1931.

**Egon Orowan** has been appointed George Westinghouse professor of mechanical engineering at MIT, succeeding **William R. Hawthorne**, who has held the Westinghouse chair since 1948. Professor Hawthorne is resigning to accept the post of the Hopkinson and Imperial Chemical Industries professorship of applied thermodynamics at Cambridge University.

**Armand J. Quick**, professor of biochemistry, Marquette University School of Medicine, has left for South America to lecture and give demonstrations on the coagulation of blood and the hemorrhagic diseases. He was invited by the Society of Biology of Santiago, University of Chile, Foundation for the Study of Hemophilia, National Academy of Medicine, Buenos Aires, Argentina Society of Hematology and Hemotherapy, Medical School of Montevideo, and the Medical School of São Paulo.

**Ernest W. Reid**, president of the Corn Products Refining Company, has been chosen to receive the Chemical Industry Medal for 1951. The medal will be presented formally to Mr. Reid at a meeting following a dinner in his honor in the Waldorf-Astoria next November. The medal was established in 1933 and is awarded annually in recognition of conspicuous services to applied chemistry.

**Emanuel B. Schoenbach** has resigned as associate professor of preventive medicine, assistant professor of medicine, and physician at the Johns Hopkins Hospital as of August 31. He will become professor of medicine at the State University of New York College of Medicine, and director of the medical services at the Maimonides Hospital of Brooklyn.

**William A. Scholes** and **Harold N. Barr**, ceramic engineers of the Fairchild Engine and Airplane Corporation at Oak Ridge, have joined the ceramics and minerals department at Armour Research Foundation. Dr. Scholes will study the development of refractory container materials suitable for melting titanium and its alloys, and Mr. Barr will study pressing materials in heated molds.

**Ellis L. Spray** has been elected a vice president of the W. L. Maxson Corporation. Formerly a vice president of Westinghouse Electric Company, Mr. Spray will be in charge of the new Maxson plant in Old Forge, Pa.

**Mary M. Thompson**, director of the infirmary and

associate professor of nursing at the New Jersey College for Women for the past 31 years, has retired. A graduate of the St. Luke's Hospital Nursing School in New York, Miss Thompson served in Europe as a nurse in World War I. She came to the New Jersey College for Women as head of the infirmary in 1920.

**Ralph M. Thompson**, staff member at the Air Force School of Aviation Medicine, has been selected to direct Air Force activities at the Armed Forces Institute of Pathology in Washington, D. C. Col. Thompson has been head of the Department of Pathology at the aeromedical school for the past year. The Institute of Pathology was founded as the Army Medical Museum in 1862 by Surgeon General William A. Hammond, to study wounds and diseases, with the object of reducing mortality and suffering among soldiers. The Army Medical School was established at the Museum in 1893. After World War II the facilities for diagnosis and research were expanded so widely that its name was changed to the Institute of Pathology. Since 1949 it has been the central laboratory for all three branches of the armed forces. A new building to house the institute is now under construction on the grounds of the Army Medical Center in Washington, replacing the old structure next door to the Smithsonian Institution.

**E. W. Titterton**, of AERE, Harwell, Didcot, Berks., is now in Canberra to assume his duties as professor of physics in the Research School of Physical Sciences, the Australian National University.

**B. Bynum Turner** has been elected a vice president of Ethyl Corporation in charge of a new department which will consolidate all research, engineering, product development, and construction activities. **Graham Edgar**, vice president, and coordinator of Ethyl's various research activities, will assist Edward L. Shea, president, in technical matters and will continue as chairman of the research committee. Mr. Turner, who has been general manager of manufacturing, will be succeeded by **Clinton W. Bond**.

**H. L. Turrington**, of the University of Minnesota, has been appointed to an associate professorship in mathematics at Princeton University.

**Fletcher D. Woodward**, professor of otolaryngology at the University of Virginia, retired as chairman of the School of Otolaryngology July 1, after 26 years of service, but will remain active on the teaching and clinical programs. **G. Slaughter Fitz-Hugh**, clinical assistant professor of otolaryngology, will succeed Dr. Woodward as chairman of the department.

**Fumio Yamasaki**, secretary of the Scientific and Technical Administration Committee of the government of Japan, recently visited the Bureau of Standards to study methods for the safe handling of radioactive materials and measurement of radioactivity. **G. Goudswaard**, director of the Permanent Office, International Statistical Institute, The Hague, also visited NBS.

## Education

The **Fish and Wildlife Service** exploratory fishing vessel, *Western Explorer*, has started on a four-month bluefin tuna survey in New England waters, chiefly off the shores of Maine and Massachusetts. Primary objective is the development of a new fishery in the region. Cruise members will try to locate commercial concentrations of bluefin tuna, determine their pattern of abundance, direction of migration, and potential quantities available. John J. Murray is in charge of the investigation.

**Florida State University** has been authorized to confer the Ph.D. in meteorology, the only institution in the southeastern U. S. that offers such a professional program. Wouter Bleeker, on leave of absence from the University of Utrecht, has been named visiting professor of meteorology. Dr. Bleeker was recently elected first president of the Commission for Synoptic Meteorology of the World Meteorological Organization. Leon Sherman, research associate in the Institute of Geophysics at the University of California (Los Angeles), has been named assistant professor.

**Howard University** will offer a Thursday evening chemistry lecture series October 18-May 15, in which the following speakers will appear: H. C. Brown, P. L. Julian, H. F. Mark, G. E. Boyd, I. M. Koltoff, S. A. Waksman, C. D. Coryell, G. W. Wheland, M. Calvin, and P. J. W. Debye.

The **Iowa State College-Guatemala Tropical Research Center** at Antigua has invited R. H. Painter, Kansas State College entomologist, to Guatemala for six weeks to look for strains of corn resistant to several kinds of corn borer, the corn ear worm, and other insect pests.

**New York University** will offer a new program beginning September 24 in adult education (17 courses) at its University Heights Center in the Bronx. For further information, write to the Coordinator of the Institute of Adult Studies.

The *Horizon*, **Scripps Institution of Oceanography** research vessel, sailed this month for a two-month cruise to gather oceanographic information to fill in blank areas on the charts of the Pacific north of the San Francisco-Hawaii steamer lanes and south of the Aleutians. The cruise is sponsored by ONR in cooperation with the Navy Electronics Laboratory at San Diego. Attempts will be made to dredge samples from the Mendocino escarpment and from the tops of seamounts near Alaska, with continuous soundings of the bottom being made.

The **University of Tennessee College of Medicine** will open on September 27 a new clinic to be known as the Family General Practice Clinic, in the Out-Patient Department of John Gaston Hospital. General practitioners from the Memphis area will act as visiting physicians, and Paul Williamson, general practitioner of Vernal, Utah, will be director.

## Grants and Fellowships

The **Althouse Chemical Company** has established a fund amounting to \$4,000 at Lehigh University, to be used for graduate fellowship grants, purchase of equipment, or in any way beneficial to the field of organic chemistry.

The **American Society of Refrigerating Engineers** has authorized grants to Oklahoma A & M for research on refrigerant desiccants begun at Louisiana State under the direction of L. H. Bartlett, who has recently transferred to Oklahoma A & M. At Case Institute, W. L. Bryan will continue his work on direct expansion evaporators. At Saint Louis University, B. J. Luyet and K. O. Beatty will study preservation of frozen plant tissues and problems of heat transfer. The University of Kentucky has received additional funds to continue its work on the storage of meat.

**Central Scientific Company** has awarded scholarships for graduate study in the physical sciences to Edwin F. C. Cain at Michigan State and to Josef Anton Hofmann, who will work under N. F. Ramsey at Harvard.

The **Jane Coffin Childs Memorial Fund for Medical Research** has appropriated \$254,587 in the period November-June for support of cancer research projects and fellowships in Denmark, England, Switzerland, and the U. S. The following were the recipients of aid: Tod W. Campbell, *Cancer Research*, William U. Gardner, Harry S. N. Greene, Alexander Haddow, Heinz Herrman, Henry D. Hoberman, Charles W. Hooker, Henry S. Kaplan, Niels O. Kjeldgaard, Harrison Latta, C. C. Little, Martin Lubin, Frank Lundquist, Basile J. Luyet, Leon L. Miller, John C. Sonne, L. C. Strong, Edward L. Tatum, John J. Trentin, and Yale University School of Medicine.

**Commercial Solvents Corporation** has given \$12,000 to the Hektoen Institute for work on the viruses of *Borrelia* and *Miyagawanella*. A **Weissman Memorial Grant** is supporting the Salmonella Typing Center, which receives cultures chiefly from South America, the Congo, and India. A gift of \$10,000 from the **Newberry Fund** enables the Division of Parasitology to maintain a type culture collection of blood flagellates for the Midwest Society of Parasitologists, and a grant from the **Rothschild Memorial Fund** has made it possible to extend the work of the cholera project.

The **Educational Testing Service** has appointed H. Paul Kelly, of the University of Texas, Samuel J. Messick, of the University of Pennsylvania, and Richard E. Wortman, of the University of Washington, as recipients of the annual fellowship awards for the Psychometric Training Program at Princeton. Robert P. Abelson and Miles S. Rogers were reappointed for the coming year.

**NRC's Committee on Problems of Alcohol** has made research grants totaling about \$25,000 to M. X. Zarow, Purdue; Curt P. Richter and A. Earl Walker, Johns Hopkins Medical School; Robert G. Grenell,

University of Maryland; H. R. Hulpieu, Indiana University School of Medicine; and John C. Forbes, Medical College of Virginia. The committee is available for advice on the merits of specific projects in the field.

The **Fund for the Advancement of Education** has awarded 250 Faculty Fellowships (*Science*, 113, 541, 569 [1951]), amounting to \$1,096,870 in addition to travel and tuition costs. Nearly 175 institutions are represented, as follows: Northeastern states, 52; North-Central, 38; Southern, 62; Western, 22.

Thirty-seven medical schools and 16 dental schools are the recipients of **Public Health Service** grants totaling \$885,067 to improve instruction in cancer diagnosis and treatment. The only new grant was made to establish a cancer training program at the University of Puerto Rico Medical School.

Fifty-six scholarship awards, of which 29 were renewals, have been made by the **Shapiro Foundation** to undergraduate students in the New Jersey, New York, Massachusetts, and Pennsylvania areas. The awards have been made annually since 1934.

## In the Laboratories

The **American Association of Candy Technologists** has appointed a committee to cooperate with the Committee on Chemicals in Foods of the Manufacturing Chemists' Association. C. R. Korekel, president of Korekel-Oettinger, of Philadelphia, is chairman; Justin Alikonis, Ernest C. Peakes, and Waldemar H. Haug are his associates.

The **Arnold Engineering Development Center** at Tullahoma, Tenn. (about 100 miles from Oak Ridge), was dedicated by President Truman late in June. Although under the supervision of the USAF, it will develop and test equipment for all government agencies. Work will focus on problems of supersonic and transonic speeds and jet propulsion, however.

American Cyanamid's **Calco Chemical Division** has named R. J. Turner chief chemist for pharmaceuticals. Dr. Turner entered the Pharmaceutical Department in 1944 as a research chemist.

The first sulfuric acid plant in the Philippines, being built by the newly organized **Chemical Industries of the Philippines**, will probably begin operation by the end of August. The plant represents an initial investment of ₱500,000 and will help to meet the need for sulfuric acid until completion of the Maria Cristina hydroelectric and fertilizer plant in 1953.

The \$2,000,000 **Johnson & Johnson Research Center** started operations in North Brunswick Township, N. J., on June 21. William H. Lycan, director of research, announced that 75% of the work will be devoted to processing and improving present products, and 25% to fundamental research.

**Naugatuck Chemical Division** of the United States

Rubber Company will begin this month the construction of new buildings and equipment aimed at the doubling of production at its Baton Rouge, La., Paracril synthetic rubber plant. The first commercial GR-S produced in the U. S. was made at this plant in 1941, by technicians of Esso Standard Oil (former owners) and U. S. Rubber.

**Oliver Iron Mining Company** has started the construction of a pilot taconite beneficiation plant at Mountain Iron, Minn. The plant probably will be placed in operation during the summer of 1952.

## Meetings and Elections

Otto R. Frisch, Jacksonian, professor of natural philosophy at Cambridge University and head of the Nuclear Physics Section at the Cavendish Laboratory, has been added to the list of speakers in the symposium on **Nuclear Physics in Europe** (*Science*, 114, 84 [1951]).

Talks of general interest at the Oak Ridge symposium on **The Role of Engineering in Nuclear Energy Development** will be given by T. Keith Glennan, Lawrence R. Hafstad, and C. G. Suits. Specialized aspects of the subject will be discussed by 19 other engineers, educators, and physicists from government and industrial laboratories. The symposium is under the sponsorship of the American Society for Engineering Education.

The **Society for the Advancement of Management** has elected Leon J. Dunn president and Edward W. Jochim executive vice president; Bruce Payne, treasurer; Howard K. Hyde, secretary; and Dillard E. Bird, retiring president, director-at-large.

Robert C. Swain, vice president in charge of research and development, American Cyanamid Company, has been elected honorary chairman of the American section of the **Society of Chemical Industry** for 1951-52. Other honorary officers elected were: Harry B. McClure, vice chairman; Cecil L. Brown, treasurer; Robert Heggie, controller; and Frederick W. Adams, secretary.

The **World Chemical Conclave** in New York September 3-13 will be attended by more than 200 young European chemists and chemical engineers, who would not otherwise have the means to visit the U. S., under the sponsorship of ECA and the Organization for European Economic Cooperation. A similar opportunity for 60 young chemists from Asia, Africa, South America, Australia, and New Zealand will be provided through a grant by the Ford Foundation. After the conclave the visiting chemists will spend three to four weeks touring chemical factories and government, university, and industrial laboratories in the U. S. Erwin Brand, of Columbia, is chairman of the special advisory committee of the American Chemical Society that is supervising the projects.

The fourth **World Health Assembly** elected Leonard A. Scheele, surgeon general of the USPHS, president

for the coming year. New vice presidents are D. A. Dowling, of Australia, A. H. Taba, of Iran, and K. Evang, of Norway. Chairman of the program committee is M. Jafa, Pakistan director-general of health.

E. V. Murphree, president of Standard Oil Development Company, has been elected chairman of the permanent council of the **World Petroleum Congress**. Vice chairmen are G. A. Tuyl Schuitemaker, M. S. Scheer, C. P. Southwell, and Carlos Perez de la Cova. The fifth congress will be held in the U. S. in 1959, coinciding with the 100th anniversary of the first drilling for oil in Titusville, Pa.

## Miscellaneous

The 36th edition of *The Naturalists' Directory* has just been published at Salem, Mass. It contains the names, addresses, and special subjects of study of professional and amateur naturalists of North and South America and a list of scientific periodicals and natural history museums.

**Chemicals wanted** by Armour Research Foundation of Illinois Institute of Technology, Registry of Rare Chemicals, 35 W. 33rd St., Chicago 16, are: 2,3,4-trimethylhydroxybenzene; 2,4,6-trimethylhydroxybenzene; 2,4,6-trichlorotoluene; 2,4,6-trichlorostyrene; tetraethyleneglycol dimethyl ether; ortho-tosyl-*para*-hydroxybenzene sulfonic acid; propylene sulfide; propyleneimine; 2-nitro-4,5-dimethylaniline; hexacosane; stannous phosphide; copper thiocholine; trisilane; copper selenide; aleuronate; gymnemic acid; liquiritin; lithospermum ruderales; glycerylphosphorylcholine; and ovalene.

The **American Forestry Association** has arranged U. S. study tours for some 80 executives and technicians from eleven wood-using countries of Western Europe. The first group of 37 left on July 13, shortly before the scheduled arrival of the second group. The project is under the direction of George A. Garratt, of Yale, and is sponsored by the OEEC and ECA.

The **National Society for Medical Research** has awarded a Certificate of Merit to the Baltimore *Sun* for the excellence of its reporting of developments in the medical sciences. William R. Manchester, of the *Sun* staff, was also awarded a certificate for his feature articles on antivivisection. A third award was made to the Pitman-Moore Company, of Indianapolis, for a national advertising series on the role of animal research in major medical discoveries.

A **Nutrition Bibliography**, consisting of selected scientific literature pertaining to nutrition and to the nutritive value of foods in the Pacific islands, is being prepared by Carey D. Miller, of the University of Hawaii, at the request of the Seventh Pacific Science Congress.

**Reeves Soundcraft Corp.**, of New York, has purchased the **Bergen Wire Rope Company**, of Lodi, N. J. and will operate it as a wholly owned subsidiary.