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# News and Notes

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## About People

*Subrahmanyam Chandrasekhar*, University of Chicago theoretical astrophysicist, has been appointed distinguished service professor at the University, President Ernest C. Colwell announced on 22 November. Dr. Chandrasekhar, a native of India, has been associated with the University's Astronomy Department at Yerkes Observatory, Williams Bay, Wisconsin, since 1937. Last year he was honored by Andhra University, India, with the Sir Cattamanmachi Ramalinga Reddy National Prize for Mathematics. During the war, Dr. Chandrasekhar acted as a consultant to the War Department at Aberdeen Proving Ground in addition to his regular teaching and research program at Yerkes Observatory.

Dr. Chandrasekhar did his undergraduate work in India at Presidency College (Madras University) and then went to England as a Government of India research scholar to study theoretical physics. He received his Master's degree from Madras in 1930 and his Ph.D. and Sc.D. from Cambridge University in 1933 and 1942. His recent work at Yerkes Observatory includes published papers on the nuclear transformation of chemical elements in the universe and on the origin of the heavy atoms. He has also been engaged in the study of radiative transfer. He is the author of *An introduction to the study of stellar dynamics* and *Principles of stellar dynamics*. Dr. Chandrasekhar is a fellow of the Royal Society of London and a member of the American Philosophical Society and the London Mathematical Society.

*Bryan P. Glass* has been appointed instructor and research worker in mammalogy, Department of Zoology, Oklahoma A. and M. College.

*O. Boyd Houchin* joined the staff of the Department of Biochemistry, School of Medicine, University of Louisville, on 1 July. Dr. Houchin was formerly assistant professor of biological chemistry in the School of Medicine, Loyola University, Chicago.

*H. Radclyffe Roberts*, of the Academy of Natural Sciences, has been appointed assistant curator of the Academy's Department of Entomology. Dr. Roberts, formerly a research associate, is also a trustee of the Academy.

*Glenn S. Rabideau*, formerly chemist with the McLaughlin Gormley King Company, Minneapolis, and associate scientist, University of Minnesota, has been made assistant professor, Department of Botany and Bacteriology, University of Texas.

*Charles F. Church*, who recently resigned from the staff of the Squibb Institute for Medical Research to enter private practice in internal medicine, has accepted the chairmanship of the New Jersey State Nutrition Council.

*Ray L. Watterson*, formerly of the University of California, has been appointed assistant professor of zoology, University of Chicago.

*Alfred Seely Brown* has returned to Colgate University as associate professor of chemistry in charge of the work in general and physical chemistry. During the war years he developed the research laboratory of the Skenandoah Rayon Corporation, a division of Beaunit Mills, Utica, New York, in his capacity as director of research.

*Reginald M. Archibald* has been made professor of biochemistry at the Johns Hopkins School of Hygiene and Public Health to fill the vacancy created by the retirement of E. V. McCollum. Dr. Archibald was a special investigator at the Hospital of the Rockefeller Institute for Medical Research, as a member of an antimalarial research team for OSRD. Prior to his appointment in Baltimore, he was an associate at the Rockefeller Institute.

In addition to Dr. Archibald, two assistant professors of biochemistry have also been added to the staff of the School. Lawrence L. Layton, formerly assistant professor of chemistry at the University of Maryland, will be engaged in research in the field of biophysical chemistry. Dominic Dziewiatkowski, formerly instructor in biological chemistry at Vanderbilt University, is the second new member.

Mrs. E. V. McCollum will remain as assistant professor and will continue her work on studies of animal nutrition.

*H. Weston Blaser*, formerly at Cornell University, has been appointed assistant professor of botany at the University of Washington, Seattle.

*Louis Benjamin* has been appointed chief, Test Division, Chemical Corps Technical Command, Edgewood Arsenal. During the war Maj. Benjamin served as chief of the Test Branch of the Engineering Division, Technical Command.

*A. Packchianian*, University of Texas Medical School, Galveston, was invited to attend the First Inter-American Congress of Medicine, held in Rio de Janeiro on 7-15 September. While in South America, Dr. Packchianian delivered lectures on Chagas' disease, Weil's disease, leishmaniasis, and yellow fever.

*Harold Talbot Lacey* has been appointed senior chemist of the new Willow Island Works of Calco Chemical Division, American Cyanamid Company, and a member of the Technical Committee of the Company's Marietta Works, Marietta, Ohio. Dr. Lacey received his Ph.D. under a Grasselli Fellowship at Cornell University in 1926. After a year of post-graduate work in Vienna, Munich, and Graz he received an Industrial Fellowship to the Mellon Institute. He joined the Grasselli Chemical Company as a research chemist in 1929 and became associated with Calco in 1932 as chemical supervisor of organic pigment research and later as chief chemist of the Pigment Division. During the war Dr. Lacey was in charge of the special research group cooperating with naval research laboratories and bureaus on fluorescent dyestuffs and the development of special pigment applications, particularly for the life jacket dye marker and shark chaser, standard live-saving equipment of the Army and Navy Air Forces.

*Howard A. Rusk*, wartime chief of the Army Air Forces Convalescent Services Program, has been named to head a new Department of Rehabilitation and Physical Medicine at New York University College of Medicine.

*A. K. Snelgrove*, visiting professor of geology at Rutgers University, 1945-46, has returned to his post as head of the Department of Geological Engineering, Michigan College of Mining and Technology, Houghton. The latter institution granted him leave of absence to enable him to initiate at Rutgers a new Bureau of Mineral Research.

*Victor A. Greulach*, formerly associate professor of biology and chairman of the Division of Biological Sciences, University of Houston, is now associate professor of botany, A. and M. College of Texas, and is in charge of the courses in plant physiology.

*Robert H. Broh-Kahn* has been appointed assistant director of the May Institute for Medical Research, Cincinnati, Ohio. Dr. Broh-Kahn, formerly a lieutenant colonel in the Army Medical Corps, has recently returned to civilian life after 50 months of active duty.

*Max T. Rogers*, formerly at the University of California, Los Angeles, has joined the Department of Chemistry, Michigan State College, as assistant professor in physical chemistry.

*Gustave J. Dammin* has been appointed assistant professor of internal medicine and assistant professor of pathology at Washington University School of Medicine, St. Louis. He will serve as director of the Central Diagnostic Laboratories at Barnes Hospital and will aid in the teaching of laboratory diagnosis

in the Department of Medicine. Half of his time will be devoted to research and teaching in the Department of Pathology.

*Henry W. Nissen* has been made director of research in biopsychology, Rockland State Hospital, Orangeburg, New York. He is budgeted on the staff of the New York State Psychiatric Institute and Hospital, New York City, from which he is assigned to his present position. According to Frederick MacCurdy, Commissioner of the New York State Department of Mental Hygiene, this new research unit will be under the sponsorship of a Scientific Advisory Committee composed of: Nolan D. C. Lewis, chairman; Robert M. Yerkes, Karl S. Lashley, Henry Garrett, Carney Landis, Russell Blaisdell, Frederic Carnochan; and Elaine Kinder, secretary. The new Committee has been constituted as a subcommittee of the Council for Research in the Social Sciences in Columbia University. The unit will undertake a program of long-term, fundamental research in the field of psychopathology.

*Dudley Williams*, *John N. Cooper*, and *Robert A. Oetjen* have been appointed to the staff of the Physics Department, The Ohio State University. Drs. Williams and Cooper were connected with the University of California during the 1944-46 projects at the Los Alamos laboratory in New Mexico, which culminated in the production of the first atomic bomb, and Dr. Oetjen was formerly with the Texas Company, carrying on infrared spectroscopic research at the Beacon, New York, laboratory of the firm.

*Victor E. Shelford* retired as professor of zoology, University of Illinois, on 1 September. Dr. Shelford went to the University as assistant professor in 1914, after receiving his Ph.D. in 1907 and later serving as instructor at the University of Chicago. During the last 32 years at the University of Illinois he has been in charge of developing work in animal ecology and has published numerous papers and several books in this field. He will remain at the University, where he is preparing a treatise on the Bio-Ecology of North America.

*Kurt Salomon*, formerly in charge of the Biochemical Research Laboratory, Departments of Neuropsychiatry and Radiology, Washington University Medical School, St. Louis, has been appointed section head in the Division of Radiology and Biophysics, Manhattan Department, and assistant professor, Department of Radiology, University of Rochester School of Medicine and Dentistry. Dr. Salomon took over his new duties on 1 August.

*Erma A. Smith*, associate professor of physiology, Iowa State College, has been appointed resident phy-

sician, Student Health Service, Duke University, Durham, North Carolina.

*Linwood H. Warwick*, junior executive and editor of the Geological Survey Division, Virginia Conservation Commission, was recently honored by friends and associates in the geological and allied sciences upon the completion of 38 years of service with the Survey. At exercises held in the geology lecture room of Brooks Museum, University of Virginia, Mr. Warwick was presented with a gold watch and a leather-bound album of congratulatory letters. Mr. Warwick began work with the Survey in 1908 under the late Thomas Leonard Watson and has served continuously since that time.

*John H. Dillon*, formerly assistant director of research in charge of physics, latex, adhesives, and textile research for the Firestone Tire and Rubber Company, is now director of research at the Textile Foundation, Princeton, New Jersey.

*Jason R. Swallen*, formerly botanist, Division of Plant Exploration and Introduction, Bureau of Plant Industry, Soils and Agricultural Engineering, who has spent the past year in southern Brazil studying the grasses and grasslands of the states of Rio Grande do Sul, Santa Catarina, Paraná, and Mato Grosso, in collaboration with the Instituto Agronomico do Sul, has been appointed associate curator in the U. S. National Museum, Division of Plants, Smithsonian Institution.

*C. Lee Huyck*, until recently senior pharmacist, Winthrop Chemical Company, Rensselaer, New York, is now professor of pharmacy, Columbia University College of Pharmacy.

*Morris Pollard*, until recently chief, Veterinary and Virus Section, Eighth Service Command, Fort Sam Houston, Texas, has been appointed assistant professor of preventive medicine and director of the Virus Laboratory, University of Texas Medical Branch. Prior to his commission with the Army, Dr. Pollard was on the staff of the Animal Disease Station, National Research Center, Beltsville, Maryland.

*Irving S. Wright* has initiated an extensive research program in the Vascular Disease Research Laboratory, New York Hospital, for the study of peripheral vascular diseases with special reference to those problems which deal directly with thrombosis in all its manifestations. This will include the development of new anticoagulants. The work is supported in part by a research grant extended by the Medical Research Division of Sharp and Dohme, Inc.

*John S. Gray* has been made chairman of the Department of Physiology, Northwestern University, suc-

ceeding Andrew C. Ivy. Dr. Gray was formerly a professor in the Department. Dr. Gray, whose particular field has been gastrointestinal physiology, is conducting research into respiratory physiology and its application to diseases of the respiratory system.

*R. A. Day* and *Ernest H. Haddock*, Emory University, Georgia, have been promoted from assistant professors to associate professors of chemistry and physics, respectively.

*H. H. Hecht*, University of Utah School of Medicine, has been promoted from instructor to assistant professor of medicine.

*W. A. Selle*, professor of physiology, University of Texas Medical Branch, is surveying American medical centers under the auspices of the Baruch Committee for Physical Medicine in order to develop satisfactory methods for teaching the medical application of physics to undergraduate medical students.

*Walter H. C. Rueggeberg*, formerly a captain, Chemical Warfare Service, has joined the civilian staff of the CWS Technical Command at Edgewood Arsenal, Maryland, as acting chief, Organic Branch, Chemical Division.

*Phil W. Buck*, formerly professor of psychology, University of Toledo, has been appointed to the staff of Rohrer, Hibler & Replogle and will be associated with Ralph W. Ogan, regional director, in the Dallas office.

*William N. Davidson*, formerly in charge of the Department of Agriculture's Insecticide Testing Laboratory, Beltsville, Maryland, has been succeeded by Harold H. Shepard, formerly of the University of Minnesota and Cornell University. Mr. Davidson had served for 35 years in the Department prior to his retirement on 30 June 1946.

*Alan W. Donaldson* has been commissioned as senior assistant scientist (R) with the U. S. Public Health Service and has been assigned to the Parasitology Section of the Laboratory Division, Communicable Disease Center, Atlanta, Georgia.

*Richard Lewis Post*, formerly technician and curator, Oregon State College, and specialist in pest control, U. S. Coast Guard, has been appointed associate entomologist of the North Dakota Experiment Station and State Seed Department, Fargo, North Dakota.

*Carl P. Swanson*, formerly associate professor of botany, Michigan State College, has been appointed associate professor of botany, Department of Biology, The Johns Hopkins University. On his release from the naval service in February 1946, Dr. Swanson was temporarily appointed associate biologist, National Institute of Health, Bethesda, Maryland.

*Cyrus O. Guss*, formerly of the Forest Products Laboratory, Madison, Wisconsin, has been appointed assistant professor of chemistry at the University of Southern California.

*Donald S. Villars* has resigned from the Physics Group of the U. S. Rubber General Laboratories to become professor of chemistry and head of the Science Department of the newly organized Jersey City Junior College. He was with the U. S. Rubber Company for 12½ years, spending the first 3½ years at the Plantations Research Department in Sumatra, Netherlands East Indies.

### Visitors From Abroad

*Francisco Garcia-Valdecasas*, professor of pharmacology, University of Barcelona, Spain, will arrive in the United States early this month to do research work in the Department of Pharmacology, Hahnemann Medical College of Philadelphia, on the electric properties of potent drugs and the related theory of drug action. His work there will be in association with R. Bentner, professor of pharmacology.

*Peter A. Gorer*, Department of Pathology, Guy's Hospital Medical School, London, is conducting research at the Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine. His work is being aided by a grant from the National Cancer Institute.

### Announcements

*The American College of Physicians* offers a limited number of Research Fellowships, designed to provide an opportunity for research training either in the basic medical sciences or in the application of these sciences to clinical investigation. They are for the benefit of physicians who are in the early stages of their preparation for a teaching and investigative career in internal medicine, pediatrics, and other allied fields. Assurance must be provided that the applicant will be acceptable in the laboratory in which he has chosen to work and that the laboratory will supply the facilities necessary for the proper pursuit of the research. The term of appointment is for one year, usually beginning on 1 July. The stipend will be from \$1,800 to \$3,000 per annum. Application forms will be supplied on request to The American College of Physicians, 4200 Pine Street, Philadelphia 4, Pennsylvania, and must be submitted in duplicate, with a recent photograph of the applicant. Awards will be made on or about 1 January.

*The United States members of the China-U. S. and Philippine-U. S. Agricultural Missions* have returned from the Far East, where they have been studying plans for the agricultural improvement of China and the Philippine Commonwealth since last June.

The U. S. sections of the agricultural collaborative missions, sponsored by the Departments of State and Agriculture and composed of outstanding agricultural technicians, visited China and the Philippines by invitation, and cooperated with officials of the Governments of those countries in extended agricultural surveys.

Claude Burton Hutchison, vice-president of the University of California and dean of the University's College of Agriculture, is chief of the U. S. section of the China-U. S. mission, and Leland Everett Call, dean of agriculture and director of the Experiment Station at Kansas State College, is chief of the U. S. section of the Philippine-U. S. mission.

The United States agricultural technicians visited the Far East with two over-all objectives: to examine immediate and urgent agricultural problems, recommending action for their solution; to work with local officials in drafting long-term programs for agricultural improvement.

Substantial progress has been made toward these objectives, but several weeks will be required for the completion of the formal reports of the missions.

*A portrait of each of the men who won the Nobel Prize this year together with an exhibit of his writing will be on display in the foyer of the Thomas Jefferson Room of the Library of Congress annex until the end of December. The laureates are: Hermann J. Muller, Indiana University, medicine and physiology; P. W. Bridgman, Harvard University, physics; and the three who shared the chemistry award, J. B. Sumner, Cornell University, W. M. Stanley and J. H. Northrop, Rockefeller Institute for Medical Research. (See Science, 22 November 1946.)*

*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 third postdoctoral fellowship of \$1,500 of Sigma Delta Epsilon, graduate scientific sorority. Applications for the year 1947-48 should be submitted before 1 February 1947 to the Fellowship Board authorized to make the award. Application blanks may be secured from Dr. Louise S. McDowell, 28 Dover Road, Wellesley 81, Massachusetts. Announcement of the award will be made early in March.*

*The Department of Zoology and Physiology, University of Illinois, has announced the following additions to the staff: Robert M. Melampy, University of Louisiana, associate professor; John J. Mahoney, University of Iowa, instructor; Donald F. Hoffmeister, University of Kansas, assistant professor of zoology and assistant curator of the Museum of Natural History; and Ben B. Blivaiss, formerly in pharmacology.*

ical research, Toxicity Laboratory, University of Chicago, instructor.

*The Department of Chemistry, Indiana University*, has announced the following changes: Frank C. Mathers, appointed interim chairman to succeed R. L. Shriner, who resigned on 1 July; J. H. Billman, on sabbatical leave for the academic year 1946-47 and planning to do research at Yale University; G. D. Johnson, to take over Dr. Billman's duties; C. S. Rohrer, appointed assistant professor; C. E. Kaslow and E. Campaigne, promoted to assistant professorships.

Two new positions have been created in the Department, one that of supervisor of general chemistry and the second in the field of analytical chemistry. L. J. Todd, formerly chairman of the Chemistry Department, Marshall College, Huntington, West Virginia, was appointed associate professor to fill the first position; the second is still open.

On 23 October at the *Escuela Agrícola Panamericana, Honduras*, Wilson Popenoe, head of the School, was presented a token in recognition of his important services connected with the introduction of the avocado into California. This token was made in the shape of the Fuerte Avocado, showing the Aztec symbol for an avocado tree, and was brought by Harland Griswold, president of the Avocado Society of California, who flew to Honduras for this purpose. The ceremony was attended by several distinguished guests, including U. S. Ambassador Irwin and the director of agriculture of Honduras, Mr. Ortega. On the same day Mr. Griswold was taken to see the wild form of the avocado, growing in its native forest on Uyuca peak. The Escuela Agrícola Panamericana, for the training of young men in the principles of tropical agriculture, is entirely supported by the United Fruit Company.

A \$50,000 endowment fund for the Department of Chemistry, *University of Rochester*, has been established by Harry M. Hooker, chairman of the Board of the Hooker Electrochemical Company, Niagara Falls, it is announced by Alan Valentine, president of the University. The fund will be paid to the University in increments of \$5,000 a year for 10 years and is to be used for general purposes of the Department under the direction of W. Albert Noyes, Jr., chairman of the Department and director of the University's Research Laboratory in Chemistry. Mr. Hooker was graduated from the University in 1894.

*The University of Tennessee, Memphis*, announces the merger of the Department of Physiology with the Department of Pharmacology to form one division under the direction of J. P. Quigley. New appoint-

ments include: R. V. Brown, formerly of the University of North Dakota, associate professor of pharmacology; James H. Wills, formerly of the University of Rochester, assistant professor of pharmacology; C. Riley Houck, formerly of New York University, assistant professor of physiology; Lester Van Middlesworth, formerly of the University of California, instructor in physiology. D. Roy McCullagh, Paul Mesaros, and Daniel A. Brody are research associates in the Department of Pharmacology.

*The Royal Society of Medicine*, London, celebrated the centenary of the first surgical operation to be performed under general anesthesia on 16 October at a special meeting of the History of Medicine Section. The meeting was followed by the opening of an exhibition by Lord Moran at the Wellcome Historical Medical Museum. Though it is generally claimed that the first use of ether in Europe was at University College Hospital, London, Dr. Underwood, director of the Wellcome Historical Medical Museum, in the current issue of the *British Medical Journal* claims to have discovered evidence that this event in fact took place in Scotland at the Dumfries and Galloway Royal Infirmary late in 1846. The celebrations of what Sir William Osler termed medicine's greatest gift to suffering humanity are commemorated in a series of articles in the *British Medical Journal*, including a reproduction of some of the earliest scientific contributions on the subject in England, published in 1847.

*Fellowships leading to a Master's degree in public health* in the field of health education are being offered to any qualified United States citizen between the ages of 22 and 40, according to a statement released by the U. S. Public Health Service, Federal Security Agency. Tuition, travel expenses for field training, and a stipend of \$100 a month will be provided from funds furnished by the National Foundation for Infantile Paralysis. Candidates must hold a Bachelor's degree from a recognized college or university and must be able to meet the entrance requirements of the accredited school of public health of their choice. In addition to the degree, courses in the biological sciences, sociology, and education may be required. Training in public speaking, journalism, psychology, and work in public health or a related field are considered desirable qualifications.

The year's training, which begins with the 1947 fall term, consists of eight or nine months academic work including: public health administration, epidemiology, public health and school health education, problems in health education community organization, and information techniques, and three months of supervised field experience in community health education activities.

Application blanks may be obtained by writing the

Surgeon General, U. S. Public Health Service, Washington 25, D. C., and must be filed prior to 15 March 1947. Veterans are encouraged to apply and will be paid the difference between their subsistence allowance under the G. I. Bill of Rights and the monthly stipend of \$100. Employees of local and state health departments are not eligible since Federal grants-in-aid are already available for such training purposes.

*A new manufacturing unit for the production of Vitamin B<sub>6</sub>, pyridoxine hydrochloride, will be erected at Elkton, Virginia, by Merck & Company, Inc., manufacturing chemists. Approval for the \$295,000 four-building unit was granted early last month by the Civilian Production Administration at Richmond, Virginia. "Total cost of the new plants," George W. Merck, president, said, "will be in the neighborhood of \$1,500,000, of which by far the greatest expense will be for equipment. There will be two process buildings, one of which is already constructed; a cooling tower and reservoir; and a small, one-story refrigeration building."*

*Staff changes in the Department of Chemistry, Oregon State College, Corvallis, include the promotion of C. S. Pease from associate to professor of chemistry, and the addition of Ralph Spitzer, formerly NRC Fellow at the University of California, as assistant professor of physical chemistry. R. L. Huston, University of California, Lillian S. Olsen, Washington State College, and Janet Bubl, recently of the Forest Products Laboratory at Madison, have been added as instructors. J. S. Jones, professor of agricultural chemistry and head of the Chemical Division of the Agricultural Experiment Station, has retired to emeritus status, and J. S. Butts, professor of biochemistry, has assumed the position thus vacated.*

*The International Exchange Service, Smithsonian Institution, Washington 25, D. C., announces that it is now accepting for forwarding to addresses in the countries listed below donated or exchange governmental, scientific, and literary publications. Countries in the Eastern Hemisphere include Africa, \*Australia, \*Belgium, Bulgaria, \*China, \*Czechoslovakia, \*Denmark, \*Egypt, \*Finland, France, \*Great Britain, Greece, India, Iran, Iraq, Ireland, \*Italy, Lebanon, Netherlands, \*New Zealand, \*Norway, \*Palestine, Philippines, \*Poland, \*Portugal, \*Soviet Republics, \*Spain, \*Sweden, \*Switzerland, and Syria. All countries outside of the United States and its possessions are included in the Western Hemisphere. Publications should be tied with string in unsealed packages, which, when fully prepared, should not exceed 4 pounds, 6 ounces, if addressed to destinations in countries in the Eastern Hemisphere, and preferably should not exceed 4 pounds when for destinations in the Americas. The*

weight restrictions do not apply to single volumes or to large lots when consigned to one address in any of the countries marked with an asterisk. Each package should bear, on the inner wrapper, the address of the foreign consignee and, in the upper left-hand corner, that of the consignor. The outer wrapper or container should bear the Washington address. Transportation charges to the above address should invariably be prepaid and a notice of shipment sent to the Institution, giving the number and total weight of the packages.

*Plates showing the segmentation of the egg of Bdellostoma stouti, from the Bashford Dean Memorial Volume, may be secured free of charge by those interested upon application to E. W. Gudger, American Museum of Natural History, New York 24, New York.*

*The Department of Physiology, The Ohio State University, has announced the appointment of Robert S. Grubbs, formerly of George Washington University, as assistant professor, and the advancement of Emil Bozler from associate professor to full professor and of William V. Whitehorn from instructor to assistant professor.*

*Nominations are solicited for the 1947 \$1,000 Award, established by Mead Johnson and Company to promote researches dealing with the B-complex vitamins. The recipient of this award will be chosen by a committee of judges of the American Institute of Nutrition, and the formal presentation will be made at the annual meeting of the Institute, 18-22 May 1947. The award will be given to the laboratory (nonclinical) or clinical research worker in the United States or Canada who, in the opinion of the judges, has published during the previous calendar year, 1 January-31 December, the most meritorious scientific report dealing with the field of the B-complex vitamins. While the award will be given primarily for publication of specific papers, the judges are given considerable latitude in the exercise of their function. It may be recommended that the prize be divided between two or more persons or that the award be made to a worker for valuable contributions over an extended period but not necessarily representative of a given year. Membership in the American Institute of Nutrition is not a requisite of eligibility for the award. To be considered by the committee of judges, nominations for this award for work published in 1946 must be in the hands of the chairman of the Nominating Committee by 15 January 1947. Those, accompanied by such data relative to the nominee and his research as will facilitate consideration of the nominations, should be sent to the following address: Robert R. Sealock, Department of Chemistry, Iowa State College, Ames, Iowa.*

*The Tri-State Geological Field Conference* for Iowa, Illinois, and Wisconsin resumed activities on 26–27 October after a lapse of four years. A field trip, organized by J. H. Bretz, University of Chicago, was made in northeastern Illinois and adjacent Indiana. About 160 geologists and students from the following institutions participated: Armour Research Foundation, Augustana College, University of Chicago, State University of Iowa, Iowa Geological Survey, University of Illinois, Illinois Geological Survey, Indiana University, North Central College, Northwestern University, and University of Wisconsin.

During the Conference six localities were visited, three of which presented controversial geological problems. At the first stop a large reef or bioherm structure in the Niagaran dolomite at Thornton, Illinois, was examined. Both the core and reef-flank beds were well exposed. Its genesis and paleoecology were discussed by H. B. Willman and Heinz Lowenstamm. The second stop was made at the structural complex near Kentland, Indiana, where highly tilted and faulted Ordovician beds have been thrust over 1,500 feet up to the level of essentially horizontal Devonian and Pennsylvanian strata. Evidences for the two competitive theories of cryptovolcanism and meteoritic impact were summarized by J. T. Stark. At the third stop, in the Lehigh Stone Company's quarry near Kankakee, Illinois, a series of roofless solution cavities in the Niagaran dolomite filled with deformed Pennsylvanian strata were examined under the leadership of J. H. Bretz and Paul Herbert. Discussion centered on the question of whether the features represented a buried Karst topography or whether most of the solution was accomplished after deposition of the Pennsylvania beds. The three last localities visited were: a gravel bar of the glacial Kankakee Torrent along Kankakee Valley; an exposure of the Maquoketa formation at Wilmington, Illinois; and the famous "Mazon Creek" plant fossil beds of Pennsylvanian age near Braidwood, Illinois.

The Conference for next fall will be in the Fond du Lac region of Wisconsin and will be directed by L. N. Cline, University of Wisconsin.

*Fundamental investigations on air-borne diseases* will be conducted under the direction of A. P. Krueger, chairman of the Department of Bacteriology, University of California, Berkeley, under a contract established with the Office of Naval Research. The project will be conducted jointly with U. S. Naval Research Unit #1 and will, in addition, utilize the war-developed facilities and equipment of the latter for graduate research under the direction of Department staff members. University and naval personnel participating in current studies on comparative bacterial nutrition, aerobiology, and experimental epi-

demiology of bacterial and viral infections include: S. S. Elberg, H. Friedlander, A. P. Krueger, W. R. Leif, S. H. Madin, R. L. Overpeck, W. R. Perkins, M. Rockenmacher, I. L. Sheehmeister, W. Waring, H. M. S. Watkins, and B. K. Williams.

*The National Registry of Rare Chemicals*, Armour Research Foundation, 35 West 33rd Street, Chicago, Illinois, lists its new needs as follows: isoguanine; promulsin; barylite; oxaldiureidoxime; azodicarbonamide; cyclohexanehexone; ethyl dithiocarbamate; thio-benzoic acid; creatinephosphoric acid; aesculetin; 1-borneol; silicon monoxide; cyclohexadiene-1,3; monochloroacetylene; ammonium sesquicarbonate; desoxalic acid; benzoylacetic acid; potassium percarbonate; hexamethylacetone; 2-acetaminoquinone; stannous acetate and tartrate; and crocin.

*A Schering Fellowship* has been established in the Department of Pharmacology, University of Tennessee, with funds provided by the Schering Corporation, Bloomfield, New Jersey. Candidates are requested to submit their application and qualifications to Dr. J. P. Quigley, University of Tennessee, Memphis, who will award the fellowship.

*The University of Michigan* has announced the following appointments to its staff: Theodore H. Hubbell, formerly of the University of Florida, professor of zoology and curator of Insects in the Museum of Zoology, effective on 1 January 1947; William Hovanitz, assistant professor of botany and research associate in the Botanical Gardens; and Claude W. Hibbard, assistant professor of geology and associate curator of Vertebrate Paleontology in the Museum of Paleontology.

*Emory University*, Georgia, announces the appointment of E. H. Still and William E. Medcalf as assistant professors of mathematics and chemistry, respectively. Jack Myers, associate in medicine, and Abraham S. Velkoff and John B. Garner, assistants in obstetrics and gynecology, were appointed to the Medical School.

*Expansion of Harvard University's Graduate School of Public Health* through two faculty appointments and the institution of two new degrees in research was announced on 26 October by James S. Simmons, dean of the School. Those joining the staff are Hugh Rodman Leavell, former assistant director of the Division of Medical Sciences, Rockefeller Foundation, and John Crayton Snyder, an expert in typhus fever. Dr. Leavell will occupy the chair of Public Health Practice which became vacant in July due to the death of Edward G. Huber (see *Science*, 1946, 104, 166). Dr. Snyder, who will occupy the chair of Public Health Bacteriology, a new position created by the

reorganization of the School, has been a member of the field staff of the International Health Division, Rockefeller Foundation.

In addition to degrees which presuppose qualifications as Doctor of Medicine, the School has added the degrees of Master of Science in Hygiene and Doctor of Science in Hygiene, open to researchers. Thus the investigation of problems connected with public health, as well as instruction, will be augmented.

## Elections

*The Western Society for Clinical Research* held its organization meeting in San Francisco on 1-2 November. A constitution was adopted and the following officers were elected: president, Gurth Carpenter, Los Angeles; vice-president, Mayo Soley, San Francisco; secretary-treasurer, Helen Martin, The University of Southern California; and councilors, Lowell Rantz and Paul Aggeler, San Francisco; Hans Hecht and Charles McLellan, Salt Lake City; Myron Prinzmetal, Los Angeles; and Daniel Green, Seattle. A scientific program was also conducted at which 20 papers were presented.

*Bernard L. Oser*, vice-president and director of Food Research Laboratories, Inc., Long Island City, has been elected chairman of the Division of Agricultural and Food Chemistry of the American Chemical Society for 1946-47. Dr. Oser succeeds N. B. Guarrant, Pennsylvania State College.

*W. E. Petersen*, professor of dairy husbandry at the University of Minnesota, has been elected to the Royal Academy of Science of Sweden, this recognition coming as a result of Dr. Petersen's outstanding contributions to the physiology of lactation with special reference to the bovine.

*Henry S. Johnson*, dean of the College of Pharmacy, University of Connecticut, was elected president of the American Association of Colleges of Pharmacy at the annual meeting held in Pittsburgh on 25-27 August.

*The International Association of Milk Sanitarians, Inc.*, at its annual meeting, 24-27 October, took its first constitutional step in changing the name to International Association of Milk and Food Sanitarians, Inc. Final action will be determined by a mail vote within the next several months. Newly elected officers are: president, R. G. Ross; first vice-president, W. D. Tiedman; second vice-president, A. W. Fuchs; third vice-president, M. R. Fisher; and secretary-treasurer, J. H. Shrader. The Executive Board authorized that the name of the *Journal of Milk Technology*, the official organ of the Association, be changed to the *Journal of Milk and Food Technology*, effective with the beginning of the next volume.

## Recent Deaths

*Leslie L. Lumsden*, 71, pioneer in public rural sanitation, died in New Orleans on 8 November. Dr. Lumsden, an expert on plagues, retired from active duty with the U. S. Public Health Service in 1939, and in 1943 became professor of epidemiology at the University of Texas School of Medicine.

*Frank M. Schertz*, 57, biochemist, was found dead in Germany on 5 November. Dr. Schertz had gone to Europe this fall as a civilian Army employee to screen German scientific literature for the Department of Commerce.

*Willis Linn Jepson*, 79, died on 7 November. Dr. Jepson had been professor of botany at the University of California from 1918 to 1937 and professor emeritus since that time.

*Julius Wagner*, professor at a veterinary institute in Belgrade and an authority on Siphonaptera, died in Austria in 1945, according to news received from Karl Jordan, of the British Museum, by Capt. Robert Traub, of the Army Medical Center. Dr. Wagner, who was a white Russian, retreated north with the Germans in 1945. His death was the result of pneumonia contracted at that time.

*Evert Gardner Bennett*, 35, physicist, National Bureau of Standards, died on 21 October in Washington, D. C.

*Joseph Krafka, Jr.*, 56, since 1933 professor of microscopic anatomy and head of that department, University of Georgia School of Medicine, Augusta, died on 5 November. Dr. Krafka was instrumental in the founding of the Georgia Academy of Science.

## Research in the University of Hawaii Pacific Expeditions

During the half century when the islands of Micronesia were administered by Germany and Japan, few American scientists were permitted to study the area, and very little scientific material concerning them was made available in English. Such publications as did appear in Japanese and German offered relatively little information in a number of important fields of the natural sciences—notably, botany, zoology, bacteriology, and parasitology. Little is known, for instance, of the fungi and algae of these islands or of the prevalence of parasitic diseases; and no comprehensive study of either the vertebrate or the invertebrate fauna has ever been made.

Soon after these islands were thrown open to American scientists, the University of Hawaii, taking advantage of its relative proximity to Micronesia, called



upon its scientists, some of whom were veterans of research expeditions to other Pacific islands; to conduct a series of expeditions in the Micronesian region. These expeditions have produced scientific information which will be very significant, especially if these islands are to continue under the control of the U. S. Government.

The first expedition, consisting of four University of Hawaii scientists, set out in December 1945 to make a preliminary reconnaissance of the Micronesian islands. It was followed in the summer of 1946 by more intensive research expeditions planned and directed by the University's Pacific Islands Research Committee. Transportation, housing, and other facilities were furnished each of these expeditions by the U. S. Navy.

On 17 July 1946 the first of two University groups left Honolulu by air. This included Robert W. Hiatt, chairman of the Department of Zoology and Entomology; Harvey I. Fisher, assistant professor of zoology; Floyd W. Hartmann, acting chairman of the Department of Bacteriology; and two assistants, Leo Fortess and Eveni Levi. After a brief stay on Guam, the group spent nearly a month on Yap, where it conducted a comprehensive zoological exploration. Some 200 specimens of vertebrates, chiefly birds, were collected. Whereas detailed studies of the taxonomy and the distribution of vertebrate species have been previously made in surrounding areas, Yap itself has remained relatively unknown. A comparison of the avifauna of Yap with that of Guam and Peleliu will therefore throw considerable light on the movement of bird species from Asia and the Philippines eastward and northward along the Marianas chain. It is hoped that these studies may aid in saving from extinction some of the endemic vertebrate animals of these islands.

The invertebrates of Yap were likewise studied, not only to determine their distribution within the group, but to compare them with species known to exist in the Philippines and Indo-China to the west, and along the Great Barrier Reef of Australia to the south. Such comparisons may do much to reveal the dispersal of species from the Asiatic mainland eastward into the Pacific. Subtidal areas were explored by both the "skin diving" and "self-contained diving" techniques, and thousands of marine invertebrates were preserved for shipment to the University.

The bacteriological research of Dr. Hartmann centered on dental caries and a study of the incidence of leptospirosis, or Weil's disease. Bacteriological examinations were made of saliva specimens of several hundred Yap school children whose physical and dental records were made available by Navy officials. The study of leptospirosis consisted of collecting

autopsy specimens of rats, and was conducted in coordination with work carried on elsewhere on the Carolines.

Joseph E. Alicata, head of the Department of Parasitology, University of Hawaii Agricultural Experiment Station, left Honolulu by plane on 18 July for a six-week visit to Truk and Ponape in the eastern Carolines. His principal goal was to determine the incidence of leptospirosis in that part of Micronesia. This study was prompted by data collected by him in the Hawaiian Islands, indicating that the disease might be widespread in Pacific areas where rainfall is unusually high and where rodents, as transmitting agents, are abundant. He trapped a number of rodents whose kidneys were examined for *Leptospirae* as an aid to the recognition and control of this disease in man. In addition, he made a study on the incidence and distribution of parasites of natives and economically important animals such as cattle, swine, and poultry.

On 7 August a group of University botanists sailed from Pearl Harbor in a Navy LSM, which served as their base through the expedition. This group consisted of Harold St. John, chairman of the Department of Botany; Donald P. Rogers, assistant professor of botany; and Richard S. Cowan, graduate assistant. Their vessel put in at Kwajalein, Likiep, Ailuk, Utirik, Mejit, and Wotje. They continued by seaplane to Namu, Jaluit, Ailinglapalap, and Ebon, investigating territory outside the scope of scientists attending Operation Crossroads at Bikini.

The aim of this expedition was to make a general botanical exploration of the limited but little-known flora of as many of the Marshall Islands as time permitted. As a means of determining the direction of ocean currents and the spread of plants, observations were made of drift logs cast up along the shores. Special attention was given to the ethnobotany of crops. For future studies in collaboration with anthropologists, crop origins will be investigated in relation to migration routes of settlers of these and other Pacific islands which form the traditional stepping stones of intercourse between Asia and the mid-Pacific. This group returned to Hawaii on 12 September, bringing photographs, motion-picture film, and over 1,000 plant specimens for study at the University and for addition to the herbarium of the Bishop Museum, Honolulu.

These expeditions initiate the series of scientific investigations outlined in the long-range plans of the Pacific Islands Research Committee of the University of Hawaii. Many of the results of these studies are to appear in the near future in *Pacific Science*, a new quarterly published by the University of Hawaii.—Thomas Nickerson (University of Hawaii).