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## News and Notes

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*Dr. Walter J. McNamara* has been made consultant in educational tests and measurements in the IBM Department of Education. Dr. McNamara will serve as director of educational research for the entire IBM educational program. His services will also be available to educational institutions for professional consultation on problems and procedures in test scoring and educational evaluation.

*Dr. Robert B. Jacobs* has joined the staff of Distillation Products, Inc., Rochester, New York, where he will direct the work of the physics laboratory, which is concerned with the study of physical phenomena at low pressures.

*Hobart E. Stocking*, for the past year visiting professor of geology at the University of Costa Rica, has joined the staff of the New Mexico Bureau of Mines and Mineral Resources at Socorro as geologist and editor. His work will include the preparation of a series of popular articles on New Mexico's geology and mineral industry.

*Dr. Ellinor H. Behre*, on leave for a semester from Louisiana State University, occupied the position of visiting research professor at the Colegio Agricultura of the University of Puerto Rico at Mayaguez. Dr. Behre was engaged in studies of marine invertebrate life histories, especially those of Crustacea.

*Dr. Donald Wilson Hastings*, former chief psychiatrist of the Eighth Air Force in England and later chief air force psychiatrist in Washington, has been appointed by the University of Minnesota Board of Regents as professor and head of the Department of Neuropsychiatry in the Medical School. Dr. Hastings will fill the vacancy left by the illness and resignation of Dr. J. Charnley McKinley.

*Dr. E. Willard Miller* has been made associate professor and chief of the Division of Geography at Pennsylvania State College.

*W. W. Grigorieff* has been appointed director of the ORDARK Project at the University of Arkansas, Fayetteville. He was formerly laboratory section head at the General Electric Company in Pittsfield, Massachusetts.

*Dr. Albert Frederick Bickel* has joined the Department of Research in Pure Chemistry at Mellon Institute as the recipient of a postdoctoral fellowship for one year of study offered by the Institute to an organic chemist of Dutch nationality. In that capacity Dr. Bickel, who was selected by the Nether-

lands Ministry of Education, will continue with advanced organic investigation, and it is expected that the grant will aid him in becoming familiar with recent scientific progress in the United States and with new American research techniques.

*Dr. Frederick J. Moore*, of the Department of Experimental Medicine, University of Southern California, is actively engaged in a study of heteropolar antiseptics in general surgery. His work is supported in part by a research grant in the amount of \$5,000 from the Medical Research Division of Sharp and Dohme.

*Dr. Loyd E. Harris* has been made professor of pharmaceutical chemistry at the College of Pharmacy, Ohio State University. Dr. Harris has recently returned from the second of two tours of overseas duty, where he served with chemical warfare intelligence and made a survey of the German chemical industry.

*Olaf P. Bergelin*, captain in the Corps of Engineers and recently associated with the Manhattan District, has been appointed assistant professor of chemical engineering at the University of Delaware. Dr. Bergelin will take over immediate direction of a co-operative research project on heat exchangers.

*Dr. Ismael Vélez*, principal botanist of the Institute of Tropical Agriculture, at Mayaguez, Puerto Rico, while on sabbatical leave of absence from Polytechnic Institute, San German, is leaving for Venezuela with Mr. Ventura Barnes, Jr., on an exploration trip to the Amazonas region.

*Dr. Edwin T. Mertz*, biochemist, has been appointed assistant professor of agricultural chemistry at Purdue University. For the past three years he has been a research chemist at the Hercules Powder Company Experiment Station, Wilmington, Delaware.

*Dr. A. E. Alexander*, formerly with the B. G. Corporation, New York City, has assumed directorship of the Gem Trade Laboratory, Inc., 608 Fifth Avenue, New York City. This laboratory, designed primarily for the testing of pearls and precious stones, is supported by the leading gem and pearl dealers of New York.

*Dr. William H. Griggs* of Kirksville, Missouri, has been made an assistant professor of pomology at the University of Connecticut, Storrs.

*William G. Hoyt*, Interior Department, has been elected chairman of the Executive Committee of the

American Society of Civil Engineers' hydraulic division.

*Capt. Ralph Decker Bennett*, USNR, has been awarded the Legion of Merit for outstanding services while attached to the Naval Ordnance Laboratory in Washington, D. C. Capt. Bennett, who left Massachusetts Institute of Technology to begin active duty in the Naval Reserve in 1940, is technical director of the Laboratory.

The presentation was made only a few days after Capt. Bennett had been awarded the decoration of Honorary Officer of the Military Division of the Most Excellent Order of the British Empire—twentieth highest of 124 decorations authorized by the Crown. The NOL scientist, who spent a number of months at United Kingdom laboratories during the war, received the award from Ambassador Lord Halifax at the British Embassy in Washington.

Naval Ordnance Laboratory is the Navy's headquarters for the design and development of mines, depth charges, and assorted underwater weapons. Its research scope will be further extended when the Laboratory is moved into the new \$15,000,000 science campus at White Oak, Maryland, later this year.

## Announcements

*The first invention in 200 years* involving a new projection to show the map of the world on a flat surface was patented by R. Duckminister Fuller, Wichita engineer, on 30 January 1946.

*Awards amounting to 10,000 pounds* were made in London on 22 January to the three scientists who discovered and developed penicillin. According to *The Times*, Sir Alexander Fleming received 5,000 pounds, and Sir Howard Florey and Dr. Boris Chain, his two co-workers, received 2,500 pounds each. They were recently jointly awarded the 1945 Nobel Prize for medicine. The gifts were from a 25,000-pound trust fund created in 1924 by Sir Harold Harmsworth and his father, the late Sir Leicester Harmsworth, to encourage research into the causation and treatment of infective endocarditis. Lord Horder made the presentations at a luncheon given by Sir Harold Harmsworth at the Savoy Hotel.

*The Meritorious Service Plaque* was awarded to the Army Institute of Pathology on 7 February. The director of the Institute is Col. J. E. Ash.

*The American Society of Mechanical Engineers*, through its Committee on International Relations, has issued an appeal to engineers throughout the country

to assist with gifts of technical books and periodicals to replace those lost or destroyed in war-devastated areas. Donations of money will be used to buy new books for foreign technical libraries.

*To spend eight months studying jungle life* in Venezuela, Dr. William Beebe and the staff of the New York Zoological Society's Department of Tropical Research sailed on 10 February for the Society's field station at Rancho Grande, Venezuela. The expedition will make its headquarters in 18 rooms of a huge, unfinished concrete building in a forest west of Caracas, at an elevation of 3,500 feet. The surrounding area is a national park and abounds in mammal, bird, reptile, and insect life. The expedition was scheduled to arrive at Rancho Grande on 18 February. This is the department's second expedition to Rancho Grande.

*An Annual Review of Microbiology* will be published by Annual Reviews, Inc. The Review will be similar in format and in organization of subject matter to the *Annual Review of Biochemistry* and the *Annual Review of Physiology*. The new Review will appear under the direction of an editorial committee consisting of Drs. Monroe D. Eaton, Department of Public Health, Berkeley, California; Wallace E. Herrell, Mayo Clinic, Rochester, Minnesota; C. B. van Niel, Hopkins Marine Station, Pacific Grove, California; J. M. Sherman, Cornell University, Ithaca, New York; E. C. Stakman, University of Minnesota, St. Paul, Minnesota; and W. H. Taliaferro, University of Chicago.

Prof. Charles E. Clifton, Stanford University, has been appointed as editor, and Profs. Sidney Raffel, Stanford University, and H. A. Barker, University of California, will serve as associate editors. The first volume is expected to appear in November 1947.

*George Washington University* has established a Department of Geography. Dr. Louis O. Quam will direct the department, with Dr. Myron L. Koenig, dean of the junior college, as associate professor. Dr. Robert W. Richardson, of the State Department's office of research and intelligence, has been appointed professorial lecturer.

*Dr. Kenneth W. Vaughn* writing in the Fortieth Annual Report of the Carnegie Foundation, says: "Unless the college has definitely fixed its objectives, formulated the means proposed for attaining them, and specified the results expected from the use of such means, it is extremely difficult to ascertain to what extent progress is being made."

*The Sinai Hospital of Baltimore* announces the establishment of the Alfred Ullman Laboratory for neuro-Psychiatric Research. The work in the laboratory will be carried out under the direction of Dr. H. S. Rubinstein.

*The Pharmacology Department of the School of Medicine*, University of Georgia, has announced grants totaling \$5,400 for the year 1946 from Frederick Stearns and Company, Eli Lilly and Company, and Ciba Pharmaceutical Products, Inc. These funds are to support fellowships and technical help in investigating the pharmacology of the uterus in pregnancy and dysmenorrhea. One of these fellowships will be available in September 1946 with opportunity for the fellow to take part-time medical work.

*The Perkin Medal* for outstanding achievement in the field of industrial research was awarded to Dr. Francis C. Frary, director of research, Aluminum Company of America, on 11 January for "distinguished additions to the chemistry of aluminum." The award was made at a dinner at the Hotel Commodore, given by the Society of Chemical Industry, with the American Chemical Society, the American Institute of Chemical Engineers, the Electro Chemical Society, and the Société de Chimie Industrielle participating.

The Perkin Medal, according to *The Christian Science Monitor*, which reported the event, was founded in 1906 in commemoration of the fiftieth anniversary of the coal-tar color industry. The original medal was awarded to Sir William H. Perkin, who was the first to find out how to produce an artificial dyestuff. This dye led to the foundation of the coal-tar color industry of today. The medal is awarded annually to any chemist residing in the United States for distinguished services to the chemical industry.

Dr. Frary is the fortieth recipient of the medal and the second chemist on the staff of Aluminum Company to be so honored. In 1911 Charles Martin Hall was given the medal for his development of the present-day process for the manufacture of aluminum. Some of the other recipients of the medal include: Dr. E. G. Acheson, who discovered artificial graphite and carborundum; Dr. Leo H. Baekeland, a pioneer in synthetic resins, and after whom bakelite is named; Dr. Irving Langmuir, whose name is associated with the gas-filled tungsten lamp; Dr. Thomas Midgley, Jr., who gave us ethyl gasoline; and Dr. E. K. Bolton, under whose direction neoprene and nylon were developed.

A comprehensive gynecology survey of women in Texas state institutions is being organized under the direction of Dr. Willard R. Cooke, professor of ob-

stetrics and gynecology at the University of Texas Medical Branch, Galveston, and his associate, Dr. John W. Weaver. This survey is being made in co-operation with the State Board of Control, Judge Weaver Baker, chairman. It is supported by a three-year grant of \$20,000 from the Lilly Research Laboratories of Indianapolis.

*The Graduate Record Examination*, sponsored by the Carnegie Foundation for the Advancement of Teaching, has now entered its ninth year. More than 6,500 students took the Examination at 208 educational centers, including 11 in Canada, during the past year. The number of complete scorings made in the last seven years exceeded 45,000. The Examination was extended to 98 higher institutions, a gain of about 35 during the year. All of these required or invited applicants for admission to graduate or professional study to submit results of the Examination as auxiliary credentials. More than one-third of the total number of institutions require the Examination of some or all classes of applicants.

The Examination, essentially a test of the student's knowledge over broad fields of subject matter, measures achievement in mathematics, physics, chemistry, biology, social studies (including history, economics, and government), literature, and fine arts. A verbal factor test is required. Advanced tests are available in major fields of specialization. Results are presented graphically in profiles, which reveal the standing of the student as to individual accomplishment and as a member of the tested group.

The Examination is under the direction of Dr. William S. Learned.

*The Carnegie Foundation for the Advancement of Teaching* reports that among the 67 educators and scholars receiving retiring allowances from the Foundation who died during the year ended 30 June 1945, 17 were in their eighties, two were in these nineties, and one died at the age of 100 years, 7 months, and 1 day.

*The University of Utah School of Medicine* announces the following additions to its staff: Dr. Randolph T. Shields, formerly surgery resident at the University of Pennsylvania, and more recently Major in the U. S. Army Medical Corps in the China-Burma-India Theater, has been appointed instructor in surgery. Dr. Crichton McNeal, now stationed at the Army Institute of Pathology in Washington, D. C., has been appointed instructor in pathology. Dr. David W. Morgan, now at the Regional Hospital, Camp Swift, Texas, has been appointed clinical instructor in psychiatry.

*The University of Colorado* announces that field courses in geology and biology will again be offered at Science Lodge, the University's high-altitude mountain laboratory in the Colorado Rockies. The work will be given in two terms, 17 June to 19 July, and 22 July to 23 August. Courses in geology will be provided for beginners, intermediate, and advanced students. In biology the courses will be largely for intermediate and advanced students. For information, write to the Dean of the Summer Quarter, University of Colorado, Boulder, Colorado.

*During the 1914-1918 war 34,000,000 maps were printed*, but during World War II, between January 1941 and September 1944, 230,000,000 were manufactured, according to Major C. A. Hart, deputy assistant director of the Military Survey, who spoke recently at the Royal Geographical Society, London, on "Modern Maps and How They Are Made." He said that the British issued 9,500,000 maps of North Africa alone before the landings there. The big problem in mapping was presented by areas in the enemy's hands in the Far East, of which there were almost no reliable maps. Great advances in the technique of surveying by air making use of planes fitted with radar and special recording devices were made in this area. Major Hart felt that the application of radar to aerial surveying will reduce the cost of aerial photographic surveying by as much as 50 per cent.

*Wyeth, Inc., has made a grant* of \$6,000 a year to Dr. Franz R. Goetzel of the Department of Medical Research of Permanente Foundation, Oakland, California for experimental and clinical studies in anaphylaxis and clinical allergy.

*A new Department of Geography* was established as a separate instructional unit at Northwestern University in the Fall of 1945. Prof. G. Donald Hudson is chairman of the new department while William E. Powers and Harold Ward, formerly members of the Department of Geology and Geography, have joined the new department. Three new appointments, Clarence E. Jones, Edward B. Espenshade, and Clyde F. Kohn, were also made. Prof. George Kiss, of the University of Michigan, will give a summer session course in Political Geography and a graduate seminar in the Geography of Europe.

*Forty winners in the Fifth Annual Talent Search*, conducted by the Science Clubs of America and administered by Science Service, attended a dinner at the Hotel Statler, Washington, D. C., on 5 March 1946. The event culminated an entire week in which the high school students had attended the Science

Talent Institute. From the 40 winners one boy, Jules Alfred Kernan, 16, of St. Louis, and one girl, Marilyn Rohrer, 17, Elizabethtown, Pennsylvania, were awarded the four-year \$2,400 Westinghouse scholarships.

Eight additional contestants were awarded \$400 each and 30 were awarded scholarships of \$100 each for one year. The forty winners had survived successive hurdles in selection which separated them from more than 16,000 original contestants from the 9,200 science clubs in the United States.

*Albion College* has acquired by gift and purchase 300 acres of land near Battle Creek to serve as its Biological Preserve. Dr. A. M. Chickering outlined extensive new opportunities for field work and observation on such problems as taxonomy of plants and animals, ecology, soil analyses, studies in the character of lake bottoms and other geological features, plankton studies in the Preserve's three small lakes, ornithology, protozoology, surveying, and forest mensuration. The Preserve includes the following types of ecological regions: second-growth upland hardwood, tamarack swamp, lowland hardwood, lowland brush, sedge and grassy marshland, bramble, lake aquatic, meadow herbaceous, a small sphagnum boggy region, and a small moraine running in a sinuous manner through the property.

*At the last meeting* of the Association Canadienne Française pour l'Avancement des Sciences, the LePariseau's medal was awarded to Mr. Paul-A. Giguère, of the Department of Physics of Laval University, according to Jacques Rousseau, general secretary of the Association.

*A grant of \$5,000*, in support of clinical research conducted by Dr. C. Gordon Johnson, has been made to the Department of Gynecology, Tulane University Medical School, New Orleans, Louisiana, by the Medical Research Division, Sharp and Dohme, Inc.

*Columbia University, College of Physicians and Surgeons*, is the recipient of a research grant in the amount of \$2,200 from Sharp and Dohme, Inc., in support of Dr. Erwin Brand's work on proteins and amino acids.

*The College of Medicine of the University of Tennessee* announces the following changes in the clinical staff. Dr. E. C. Mitchell becomes emeritus professor of pediatrics, to be succeeded by Dr. F. T. Mitchell as professor and head of the department. Dr. James G. Hughes has been promoted to associate professor of pediatrics and will devote full time to the department.

## Elections

*The Southern Section of the American Society for Horticultural Science* held its first postwar meeting at New Orleans on 5-7 February. The following officers were elected for 1946-47: Dr. B. L. Wade, chairman; Mr. Otis Woodard, vice-chairman; and Dr. J. B. Edmond, secretary.

*The Anthropological Society of Washington* announced the following officers for 1946 following a meeting on 15 January: Dr. Regina Flannery, Catholic University of America, president; Mr. H. W. Krieger, U. S. National Museum, vice-president; Dr. William N. Fenton, Bureau of American Ethnology, secretary; Dr. Waldo R. Wedel, U. S. National Museum, treasurer; and Dr. W. M. Cobb, Howard University; Dr. W. H. Gilbert, Jr., Library of Congress; Dr. Margaret Lantis, U. S. Department of Agriculture; and Dr. J. H. Steward and Dr. G. R. Willey, Smithsonian Institution, councilors to serve on the Board of Managers.

## Conditions Abroad

*Sergei Vavilov*, president of the Academy of Sciences of the USSR; *Igor Tamm*, director, and *Pavel Cherenkov*, a scientific worker at the *Lebedev Physics Institute*; and *Alya Frank*, also of the Academy of Sciences have been awarded Stalin prizes, it was announced in Moscow on 27 January. It is said that the prizes are considered to be the domestic equivalent of the Nobel prize. The dispatch noted that *Peter Kapitsa* and *A. Joffe*, two leading physicists, were not among the recipients this year because they had been awarded the prizes previously.

*Prof. Jean Firket*, Institute of Pathology of the University of Liège, 1 Rue des Bonnes Villes, Liège, Belgium, writes that the Institute has escaped major damage but that part of the equipment is missing. Dr. Firket is reviewing the literature on cancer research and would greatly appreciate receiving from American scientists reprints bearing on the fields of cancer research and pathology.

*Cytologists who have lost track of their European colleagues* may find the following addresses of help. They have been obtained through the assistance of Dr. Meitès and of the former Office of War Information:

Dr. Marc Meitès, chargé de recherches au Centre National de la Recherche Scientifique, and M. le Professeur J. André Thomas are both at the Institut du Radium, 26 rue d'Ulm, Paris (5<sup>e</sup>). Others are: M. Pierre Gavaudan, Laboratoire de Biologie Cellulaire, Centre d'Etudes du Bouchet, Le Bouchet par Vert-le-

Petit, (Seine et Oise) France; Dr. Paul Senten, 1 Place de la Comédie, Montpellier, (Hérault) France; Gunnar Östergren, Fil. lic., Lunds Universitets Inst. för Ärftlighetsforskning, Lund, Sweden.

A letter from *Prof. Josef Kisser*, plant physiologist and morphologist at Vienna, has been received by Dr. Irma M. Felber, Michigan State College. He says that shortly after the occupation of Austria he was dismissed from his post of full professor at the Hochschule für Bodenkultur, but was granted a small pension which hardly sufficed to support his wife and three children. He managed to continue research as a volunteer at the Biological Experiment Station, although under most unpleasant conditions. He finished several papers before he was drafted in 1941 and sent to the Balkans. In May 1945, after the Russians had occupied Vienna, he resumed his post at the Hochschule, but under great hardship. Since no transportation existed, he had to walk daily two hours from his residence to the Institute. In June classes and laboratory courses started. Now, for the winter term, he has 420 students in his classes and 4 graduates. He also is provisional director of the Botanical Garden and Institute of the University. Prof. Kisser badly misses foreign scientific literature and is asking his American colleagues to send him reprints of botanical papers published since 1941. His address: Hochschule für Bodenkultur, Botanisches Institut, Wien XVIII, Gregor Mendelstrasse 33.

*Dr. H. Neumann*, Histological Laboratory of the University of Amsterdam, Holland, has written to I. M. Kolthoff, University of Minnesota, urgently requesting that reprints of papers dealing with enzyme-reactions and protein chemistry published during the war be sent to him, since none of this literature is available in Holland.

*Prof. Ernst Gaumann*, mycologist, Eidg. Technischen Hochschule, Zurich, Switzerland, has written to Dr. L. E. Wehmeyer, University of Michigan, as follows:

Dr. DeFago was killed in an auto accident. . . . From other countries we know less than you, because we have got the French occupation-zone around us, and this zone is as hermetic as the Russian zone. . . . Anyhow, from the names you ask, Wollenweber is alive, also Pilat. From Cejp and Lohwag I don't know reliable news; I think however, that with Cejp something is wrong. . . . Van Vloten in Holland has lost his wife, who was killed at his side; both his legs were terribly wounded, but there is some hope to get them in order again. Miss Kreitjes has been deported by the Germans. . . . and she has died in a concentration camp. Her sister was deported too; she was released by the Americans, but if I am not mistaken, she has now died too. . . .