

### MUNSELL RESEARCH ASSISTANTSHIPS IN COLORIMETRY AT THE NATIONAL BUREAU OF STANDARDS

THE Munsell Research Laboratory has established two positions of research assistant in colorimetry to be stationed at the National Bureau of Standards, Washington, D. C.

The chief purpose of these assistantships is to provide for training interested and suitably qualified young men in the practice and technic as well as the theory of colorimetric measurements, in order that they may become eligible for higher positions of greater responsibility which it is expected will be open later to those who prove their competence for this kind of work.

These assistants will work in the section of colorimetry of the Bureau of Standards under the direction of Mr. Irwin G. Priest and Dr. K. S. Gibson. They will be in close contact with the work of the section, and will have unusual opportunities to learn by experience, observation and conference with other members of the staff. The work of this section includes spectrophotometry by various methods, colorimetry and research in visual psycho-physics. The chief duties of these positions will be to assist in research and testing involving the use of the spectrophotometer, the "monochromatic colorimeter" and various other photometric and colorimetric instruments used in testing and research. Opportunities for study will also be available.

Applicants must have the following qualifications for appointment:

(1) A *bona fide* desire and intention to specialize in this kind of research as a life work. (There is, of course, no contract or binding agreement on this point, but it is desired to make clear the condition that persons who have no interest except that of temporary employment while they are planning for some other field of work are not expected to apply for these positions.)

(2) A bachelor's degree or its approximate equivalent in previous education, including physics.

(3) Normal vision or only such refraction errors as are readily corrected.

(4) Normal color sense.

(5) Age limits: between 19 and 25 years.

Salaries will be between \$1,600 and \$2,500 per year. The exact amount will depend upon previous experience and education, and such recommendations as the applicant may submit; and will be fixed after conference with the applicant.

Appointments will be for a term of one year.

Applications for appointment or request for further information may be addressed to the Munsell Research Laboratory, 10 East Franklin St., Baltimore, Md.

### NATIONAL RESEARCH FELLOWSHIPS IN THE MEDICAL SCIENCES

FOURTEEN fellows were appointed by the Medical Fellowship Board of the National Research Council on September 20, as follows:

Name	Place of Work	Subject
Miss E. B. Carrier, M.D., Johns Hopkins Hospital, Baltimore, Md.	Harvard Medical School	Physiology Anatomy
Benjamin Freeman, Ph.D., Columbia University, New York	Univ. of Pennsyl- vania	Physiology Pharmacology
M. S. Hollenberg, M.D., University of Manitoba, Winnipeg, Manitoba, Can.	Johns Hop- kins Univ.	Physiology
Leuschner, Miss E. L., M.D., Johns Hopkins, Baltimore, Md.	(Not deter- mined)	Pathology
A. E. Mirsky, Neponsit, L. I.	Cambridge Univ. Eng.	Physiology Biochemistry
H. L. Pelham, M.D., Howard University, Washington, D. C.	Columbia University	Physiology
Bernhard Steinberg, M.D., Boston University School of Medicine	Western Reserve	Pathology
F. W. Stewart, Ph.D., Harvard Medical School, Boston	Boston City Hospital	Pathology
G. J. Streat, M.D., McGill University, Montreal, Canada	Univ. of Iowa	Biochemistry
C. H. Thienes, M.D., University of Oregon, Portland, Oregon	Stanford Univ.	Pharmacology
H. B. VanDyke, Ph.D., M.D., University of Chicago	(Not deter- mined)	Pharmacology

### SCIENTIFIC NOTES AND NEWS

THE autumn meeting of the National Academy of Sciences will be held in Pierce Hall, Harvard University, Cambridge, on November 10 and 11, and in the building of the American Academy of Arts and Sciences, 28 Newbury Street, Boston, on Wednesday, November 12. Members of the local reception committee are A. Lawrence Lowell, *honorary chairman*; Theodore Lyman, *chairman*; Edwin B. Wilson, *secretary*; S. W. Stratton, William C. Wait, G. H. Parker, Thomas Barbour, Hans Zinsser, W. H. Lawrence and A. B. Lamb.

ACCORDING to press dispatches, the Nobel prize for medicine has been awarded to Professor Willem Einthoven, professor of physiology in Leyden University.

DR. HARVEY W. WILEY was the guest at a dinner held in Washington on October 21, in celebration of his eightieth birthday and the fortieth anniversary of

the founding of the Association of Official Agricultural Chemists. R. E. Doolittle, president of the association, presented to Dr. Wiley a bronze medal commemorating his eightieth birthday and the founding of the association.

DR. WILLIAM H. WILMER, of the recently established laboratory of ophthalmology in Washington, has had conferred upon him the decoration of Commander of the Legion of Honor by the French government.

DR. MARTIN H. FISCHER, of the University of Cincinnati, has received from the "Kolloid-Gesellschaft" the Laura R. Leonard prize of the year 1924. The presentation took place at Innsbruck, during the third general meeting of the society. Last year the Leonard prize was given to R. Zsigmondy and Dr. Pauli.

S. G. BLAYLOCK, general manager of the Consolidated Mining and Smelting Company of Canada, has been awarded the McCharles prize by the University of Toronto for solving metallurgical problems involved in the successful treatment of certain complex ores.

THE 1922-1923 research award of the American Congress on Internal Medicine to the University of Pennsylvania School of Medicine, Philadelphia, has been given to Drs. John H. Arnett and Karl Kornbloom for their work on "Vital capacity."

DR. HUBERT SATTLER, formerly professor of ophthalmology at the Universities of Königsberg and Leipzig, celebrated his eightieth birthday on September 9.

THE Rockefeller Institute for Medical Research announces the election of the following officers and members of the board of scientific directors: *Vice-president*, Dr. Theobald Smith, to succeed the late Dr. T. Mitchell Prudden; *secretary*, Dr. Francis Gilman Blake, to succeed the late Dr. L. Emmett Holt, and Dr. John Howland to fill the vacancy in the board created by the death of Dr. Holt.

AT the Harvard University Museum, three emeritus professors, Dr. William M. Davis, Dr. Edward L. Mark and Dr. John E. Wolff, have been replaced on the committee of the museum by Professor Charles Palache, Professor Jay B. Woodworth and Professor Oakes Ames.

*The Journal of General Physiology*, until recently edited by the late Dr. Jacques Loeb, in association with Professor W. J. V. Osterhout, of Harvard University, will henceforth appear under the joint editorship of Dr. Osterhout, Dr. J. H. Northrop, of the Rockefeller Institute, and Dr. W. J. Crozier, of Rutgers University.

J. A. CARROLL, of Sidney, has been appointed assistant director of the Solar Physics Observatory of the University of Cambridge for five years, in place of E. A. Milne, who has resigned.

DR. R. M. BRONTE, pathologist to the Home Office, England, has been elected the first president of the Harrow Scientific Society.

THE Insular Department of Agriculture, of Porto Rico, has sent Dr. Melville T. Cook, plant pathologist, to St. Kitts, British West Indies, on a special mission in connection with the introduction of cotton seed. Dr. Cook sailed on October 10 and will be away about four weeks.

PROFESSOR GEORGE F. WARREN, of Cornell University, has sailed for Europe as one of four experts selected by the Federal Tariff Commission, at the request of the American dairy interests, to investigate the methods and costs of Danish butter makers.

THREE members of the engineering faculty will be absent from Cornell University during the coming term. Professor Myron A. Lee has leave of absence to do practical work with the Gleason Works in Rochester; Professor Frederick G. Switzer is with the Alabama Power Company and Professor Calvin D. Albert is studying machine design in European manufacturing.

MEMBERS of the faculty of Harvard University who have been granted leaves of absence for the whole of this academic year include Dr. A. W. Sellards, assistant professor of tropical medicine; Edward V. Huntington, professor of mechanics, and G. W. Pierce, Rumford professor of physics and director of the Cruft Memorial Laboratory. Ten members of the faculty will be absent for the first half-year including Roland B. Dixon, professor of anthropology; Professor Edward M. East, of the department of biology; Professor W. F. Dearborn, of the school of education, and Professor Albert Sauveur, of the school of engineering. Nine professors will be absent for the second half-year including Lawrence J. Henderson, professor of biological chemistry; Harry E. Clifford, Gordon McKay professor of electrical engineering, and Dr. James B. Conant, assistant professor of chemistry.

PROFESSOR EMILE MONNIN CHAMOT, of Cornell University, has been appointed exchange engineering professor to France for the present academic year.

PROFESSOR O. H. LARSON, head of the department of agricultural economics and farm management at the Agricultural College of Copenhagen, Denmark, is coming to the United States next February, to lecture at Cornell University.

DR. CHARLES DE LA VALLÉE-POUSSIN, professor of mathematics at the University of Louvain, will give a course of six lectures at the Massachusetts Institute of Technology from November 1 to 16, as visiting professor to America on the Commission for Belgium Relief.

DR. WILFRED T. GRENFELL, of Labrador, was the guest of honor at a dinner of the Over-seas League, London, on September 26. On October 16, Dr. Grenfell gave a talk before the Royal Society of Medicine on "Medicine in a corner of the empire."

FROM October 17 to 20, Professor V. H. Blackman, of the Imperial College of Science, South Kensington, London, lectured before the members of the plant science groups of the University of Minnesota on the "Influence of electric currents on growth and on the physiological basis of parasitism," and joined in a number of informal discussions on the campus and in the field.

WILLIAM HENRY PATCHELL, English engineer, gave a public lecture on October 10 at the Carnegie Institute of Technology in Pittsburgh on "The world power conference at Wembley, England."

DR. JOHN B. WATSON, consulting psychologist for the J. Walter Thompson Co., New York, lectured before the New York Academy of Sciences on October 20 on "Studying the human young."

DR. S. H. REYNOLDS, professor of geology at Bristol University, England, addressed the Geology Club at the University of Iowa on "The British lower Carboniferous and the work of Arthur Vaughan."

PROFESSOR E. C. C. BALY, of the University of Liverpool, has given two lectures at the University of Illinois on "Reactions, particularly those taking place under the influence of light."

DR. A. V. HILL, professor of physiology in University College, London, will give two lectures under the auspices of the University of Buffalo on November 8.

DR. HARVEY FLETCHER, of the research laboratory of the Western Electric Company, lectured at the University of Iowa on October 20 on "Researches in audition" before the Physics Seminar, and to the public on "The properties of speech, music and noise in their relation to electrical communication."

THE physics club of the Bureau of Standards announces a course of sixty lectures by Dr. P. R. Heyl on "The fundamental concepts of physics in the light of modern discovery." These lectures are being given at 4.30 p. m. on Mondays and Thursdays of each week beginning September 29.

DR. WILLIAM BOTTING HEMSLEY, F.R.S., British botanist and keeper of the herbarium at Kew Gardens, died on October 14, aged eighty years.

OTTO HERNER, the well-known British analytical chemist, died on September 9, aged seventy-one years.

JAMES BRITTEN, English botanist and for over forty years editor of the *Journal of Botany*, died on October 8 in his seventy-ninth year.

H. G. SMITH, for many years assistant curator and economic chemist at the Sydney Technological Museum, known for his work on the essential oils of the Australian flora, died on September 19 at the age of seventy-three years.

DR. BENJAMIN AUGUSTE BROCA, member of the Academy of Medicine and well-known French surgeon, died on October 3.

THE death has recently been reported of Dr. N. M. Knipovich, a well-known Russian scientist, who was drowned in the Black Sea at Yalta. A correspondent writes: Two important expeditions are to his credit: the Murman Expedition of 1900 and the Caspian Expedition of 1904. He also studied and described fishes collected by the Russian Expedition to Spitzbergen. His works were published in the reports of the said expeditions (a series of many separate volumes, Russian with German and English résumés) in *Petermann's Geographische Mittheilungen*, "Annals Hydrologie, Marit. Meteorolog" and "Annals Mus. Zool. Acad. Sciences," Petersburg. He has been a representative of Russia at the "Conseil Internationale pour l'Exploration des Mers," and has for a long time been one of the curators of the Zoological Museum of Petrograd and lately professor of zoology at Petrograd Psycho-Neurological Institute. His special interests, however, were connected mostly with general hydro-biological questions (distribution of marine animals in connection with temperature, salinity of water, etc.) and he was considered for Russia—as Dr. Hjort for Norway—the most eminent explorer of marine life of Russian waters.

ALLOTMENTS for the use of the American Association table at the Naples Zoological Station have been made to Dr. Otto Glaser, of Amherst College, for the period from February 15 to April 15, 1925; and to Dr. A. R. Moore, of Rutgers College, for the period from April 15 to June 30, 1925. As has been noted in these pages, the Naples Station has been reorganized, under the directorship of Dr. Reinhard Dohrn, son of the original director. It aims to maintain its enviable reputation of pre-war years. Exceptional facilities for biological research are available for workers with plants as well as for workers with animals. Men of science wishing to work at the Naples Station should correspond with the director. Those wishing to have the privileges of the American Association table should inform the permanent secretary of the association, at the Washington office of the organization, in the Smithsonian Institution Building.

THE section of education of the American Association for the Advancement of Science meeting at Washington, D. C., from December 29 to January 3, has arranged the following program: Special applications of scientific methods to educational problems: Freeman, Courtis, Haggerty, Rugg and others; Scientific advancement in school administration: Strayer, Fowlkes, Hines, Ballou, Cubberley; The pre-school child: Woolley, Baldwin, Dearborn, Fernald, Gesell; Character education: Starbuck, McGrath, Neuman, Trow and others; Experimental education: Uhl, Henman, Barr, Buswell, Myers, Persing, Scott, Baker and others. The address of the retiring vice-president, Dr. Henry Holmes, is on "The new social order as seen from the standpoint of education."

THE fourteenth annual meeting of the American College of Surgeons was held in New York from October 19 to 25, under the presidency of Dr. Charles Mayo, of Rochester, Minn. Among the foreign medical men present were: Dr. N. D. Royle and Dr. Ralph Worrall, of Sydney, Australia; Dr. John I. Hunter, lecturer on anatomy at the University of Sydney; Sir Henry Lindo Ferguson, of New Zealand; Professor James Herman, of Stockholm; Dr. Albert James Walton, of London; Dr. H. B. Devine and Dr. James Sands Elliot, of Wellington, New Zealand; Dr. Robert Hamilton Russell, of Melbourne, and Dr. Carrick Hey Robertson, also of New Zealand. Officers for next year were elected as follows: Dr. Rudolph Matas, of New Orleans, *President*; Dr. Eugene Hillhouse Pool, of New York, *Vice-president*, and Dr. John Sinclair McEachern, of Calgary, *Second Vice-president*.

A SERIES of talks are being broadcasted by the Smithsonian Institution from Station WRC, Washington, at 8 P. M. as follows: On October 22, Dr. Frederick V. Coville, of the Department of Agriculture, spoke on "Curious plants." On November 6, Lieutenant Commander George E. Brant will speak on "What the ocean means to us," and on November 13, Dr. J. Walter Fewkes, chief of the Bureau of American Ethnology, Smithsonian Institution, will speak on "Indian cliff houses."

THE National Social Hygiene Conference for 1924 will take place in Cincinnati, from November 19 to 22, headquarters being the Hotel Gibson. This conference will mark the tenth anniversary of the founding of the American Social Hygiene Association, and it will be held under the joint auspices of the national association and the Cincinnati Social Hygiene Society.

THE New York Electrical Society held its 422nd meeting in the auditorium, Engineering Societies Building, New York, on October 23. M. Luckiesh,

director of the Lighting Research Laboratory, National Lamp Works, gave a talk on "Light and work."

THE first meeting of the governor's committee to investigate conditions pertaining to medical practice in the rural districts of New York was called by the temporary chairman, Professor Dwight Sanderson, of Cornell University, on February 1, at the office of the State Department of Health. Those present were Professor Sanderson; Dr. Orrin Wightman, president of the State Medical Society; Mrs. Grace A. Powell, president of the New York State Federation of Home Bureaus; Dr. Grant C. Madill, former president of the State Medical Society; Dr. Stover, of Amsterdam; State Senator Byrne, of Albany, and Dr. Nicoll, state commissioner of health. The committee elected Professor Sanderson permanent chairman, and, after considerable discussion, resolved to study ways and means by which an intensive survey could be made of some rural county, in order to determine definitely the adequacy of medical service especially in the more remote rural sections. The members of the committee were unanimous in their belief that this work should be gone into with an open mind and without regard to the consideration of any remedies which might later be agreed upon as the result of the survey.

A GENERAL conference on the *Fusarium* problem was held during June, July and part of August at the University of Wisconsin, which developed from studies carried on by the United Fruit Company on the wilt disease of bananas in Central America and was held in cooperation with the Bureau of Plant Industry, United States Department of Agriculture. Those present at the conference were Dr. H. W. Wollenweber, pathologist, Biologische Reichsanstalt für Land und Forstwirtschaft, Germany; and Dr. O. A. Reinking, pathologist, United Fruit Company, both representing the United Fruit Company, and Dr. C. D. Sherbakoff, pathologist, Agricultural Experiment Station, University of Tennessee; Miss Helen Johann, assistant pathologist, cereal investigations, and Mrs. Alice Bailey, junior pathologist, office of cotton, truck and forage crop disease investigations, representing the Bureau of Plant Industry, United States Department of Agriculture. The work of the conference covered, in so far as possible, the study, comparison and identification of specimens and cultures of fungi at present available. The studies were made on species from all sections of the sub-genus *Fusarium*, including important border-line strains, thereby making it possible to arrive at a uniform taxonomy of the group. Pure cultures and dried specimens of each of the species studied and identified will be placed in the office of pathological collections, Bureau of Plant Industry, United States Department of Agriculture.

UNDER authority of the Research Committee of the Archeological Society of Washington, Dr. Mitchell Carroll recently examined with Professor George Grant MacCurdy the prehistoric cave and rock-shelter known as Castel Merle in the commune of Sergeac, 30 minutes from Les Eyzies, considered by Dr. Hrdlička and other authorities as perhaps of equal promise with the now famous prehistoric sites of the region, and concluded a ten-year lease from the owner, M. Castanet, with sole privilege of excavation and control of the finds. This was made possible through the generosity of Colonel William Eric Fowler, one of the trustees of the society. The society entered upon an agreement with the American School of Prehistoric Research to conduct the excavations which began at once in charge of Professor MacCurdy, who has already announced the discovery of numerous prehistoric flint implements in addition to faunal remains. Half the archeological specimens found on the site are to be deposited with the U. S. National Museum as the property of the Archeological Society of Washington.

A CORRESPONDENT writes: "One of the most interesting recent acquisitions by the Museum of the California Academy of Sciences is a magnificent specimen of the East African gorilla. The specimen is an adult male measuring six feet in height when standing erect; the chest measures 63 inches, the span of arms 91 inches and the weight was 480 pounds. These figures show that this specimen is one of the largest gorillas in any museum in the world. It was shot in the Birunga Mountains, north of Lake Kivu, in the eastern part of the Belgian Congo. It was artistically mounted by an expert taxidermist in London, from whom it was purchased for the academy by Mr. A. Kingsley Macomber, well-known clubman and capitalist of Burlingame and patron of the California Academy of Sciences."

PROVISION is made in the will of Andrew W. Preston, late president of the United Fruit Company, that in the event of the death of all heirs the estate shall be used "for advancing the science of chemistry in the United States." The estate is estimated to exceed \$6,000,000.

THE Deseret Museum of Salt Lake City, a general geological and biological collection containing one of the largest and most complete mineralogical collections in the West, was recently presented to the Brigham Young University, of Provo, Utah.

FORDHAM UNIVERSITY dedicated on October 24 its recently completed seismic station to be one of the few in the world devoted exclusively to the recording of earthquake phenomena. The building is the gift of William J. Spain, of New York, in memory of his

son, William J. Spain, Jr., a member of the class of 1924 at Fordham.

By unanimous vote the administrative board of the American Engineers Council has agreed to insist on abolition of the Department of the Interior of the Federal Government to be replaced by a Department of Public Works. The Department of the Interior was held to be archaic, and the motion, as put by L. P. Alford, of New York, and formally adopted, called for an aggressive course in support of the new plan.

AUTHORITY for the transfer of approximately 14,000 acres of public land in the Salt River Mountains of Arizona to Phoenix for public park purposes has been granted by the Interior Department. The sale for \$1.25 an acre was authorized by the Congress. The land makes available recreational facilities for the entire Salt River Valley population of about 100,000, including Phoenix.

By far the most comprehensive and vigorous enforcement of the Alaska fishery laws and regulations ever undertaken has been in progress this season under the supervision of the United States Bureau of Fisheries. In southeastern Alaska alone approximately 75 special stream guards have been on duty. Six patrol vessels have been engaged and there has also been the regular force of employees. In other sections of Alaska this character of work has been expanded over that of former seasons. Various cases, including trap and vessel seizures, have been presented for court action. This is the first time that such seizures have been made, authority being derived from the recent Alaska fisheries act of June 6, 1924. Commissioner O'Malley has been in southeastern and central Alaska during most of the current fishing season giving personal supervision to salmon-protection activities. The results will be highly beneficial in reestablishing and maintaining this very valuable natural resource.

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## UNIVERSITY AND EDUCATIONAL NOTES

THE movement, started last May by the alumni of St. Louis University, to raise \$1,000,000 for a new medical college, has thus far brought a total of \$410,000 in pledges, according to Dr. Hanau W. Loeb, dean of the school of medicine.

At the University of Oklahoma two new structures, the medical and engineering buildings, are nearing completion. These buildings are being constructed under the appropriation of \$100,000 for each, made by the last state legislature.

THE will of the late Charles L. Hutchinson, of Chicago, provides a bequest of \$30,000 to Harvard University for the work of the Arnold Arboretum.