

May 19. "Practical hints on garden design," Miss E. L. Lee.

May 20. Nature talks—III. "Soil," Dr. W. A. Merrill.

May 26. "The tea gardens of Ceylon and Japan," Dr. H. A. Gleason.

May 27. "Wild flowers," Mr. L. W. Brownell.

June 2. "Economic uses and possibilities of seaweeds," Dr. M. A. Howe.

June 3. "Evolution," Dr. C. S. Gager.

June 9. "Insects and insect fungi," Dr. F. J. Seaver.

June 10. Nature talks—IV. "Ferns," Dr. W. A. Merrill.

June 16. "Summer wild flowers," Mr. C. W. Johnson.

June 17. "Roses," Mr. Robert Pyle.

June 23. "The big trees of California," Dr. H. A. Gleason.

June 24. "The history and sources of quinine," Dr. H. H. Rusby.

June 30. "Flowers of the four seasons," Mr. K. R. Boynton.

July 1. Nature talks—V. "Mushrooms," Dr. W. A. Merrill.

July 7. "Plant traps," Dr. J. H. Barnhart.

July 8. "Some great men and their love of trees," Mr. Carl Bannwart.

July 14. "Diatoms—plants of beauty seen through a microscope," Dr. M. A. Howe.

July 15. "A garden pilgrimage in England," Mr. Montague Free.

July 21. "Collecting fungi in Porto Rico," Dr. F. J. Seaver.

July 22. Nature talks—VI. "Punk-fungi," Dr. W. A. Merrill.

July 28. "Fifty trees in the botanical garden," Mr. K. R. Boynton.

July 29. "Evergreens: what to plant and where to plant them," Mr. Arthur Herrington.

FORESTRY RESEARCH

AN anonymous donor has given \$100,000 to Harvard University and an equal sum to Yale University to establish endowment funds for research work on forestry problems.

The income of the fund offered to Harvard, it is stipulated, is to be used for research and experimental work in forest production, "to determine the basic facts essential to the successful practice of silviculture in the north-eastern section of the United States, especially in New England." The Harvard forest, consisting of three tracts of land in Petersham totaling over 2,000 acres, has been maintained for fourteen years under the direction of Pro-

fessor Richard T. Fisher, to serve as a model forest to demonstrate the practice of forestry, as a field laboratory for students, and also as an experiment station for research. The forest has in operation practicable methods of reproducing and improving forests; it has large plantations under test for varying situations; and it is investigating forestry problems of all sorts. The expectation at Harvard is that the new gift will make it possible to develop this scientific work to a much greater extent than has hitherto been possible, and will thus aid in securing the technical knowledge needed to handle forest crops effectively in the face of an impending national timber shortage.

For several years Yale has owned forests in Connecticut, New Hampshire and Vermont upon which some experiments are already being carried out. The Northeast section of the United States affords the best opportunities for demonstration of the practice of forestry. The best markets are here, and the greatest need of intensive field work.

According to Henry S. Graves, dean of the Yale School of Forestry, and formerly chief of the United States Forest Service, the new gift will make possible a large increase in the field studies in the growth and production of pine on the Keene experimental forest in New Hampshire and of hemlock and hardwoods on the Connecticut properties. Professor James W. Toumey and Professor Ralph C. Hawley will supervise the research work.

SCIENTIFIC NOTES AND NEWS

SIR DAVID BRUCE has been nominated by the council as president of the British Association for the Advancement of Science at its meeting next year in Toronto.

THE National Academy of Sciences has presented its Comstock Prize to Professor William Duane, of Harvard University, in recognition of his researches on X-rays, and its Mary Clark Thompson Gold Medal to Dr. Emmanuel de Margerie, director of the Geological Survey of Alsace and Lorraine.

At the April stated meeting of the Franklin Institute, held on the eighteenth instant, the Howard N. Potts Gold Medal was presented to Dr. Albert W. Hull of the Research Laboratory, General Electric Company, Schenectady, New

York, for his paper on "The crystal structure of the common elements." At the same meeting the Edward Longstreth medal was presented to the Société Genevoise d'Instruments de Physique of Geneva, Switzerland, for their universal measuring machine. This medal was received by Mr. Roy Y. Ferner, of Washington, D. C., the American representative of the society.

THE Matteucci gold medal, conferred as a posthumous honor by the International Research Council at Brussels in 1919 on the late Mr. H. G. Moseley, of Trinity College, Oxford, has been delivered to his mother.

WORD has been received from Holland that Dr. L. O. Howard, of Washington, has been made honorary president of the International Conference of Phytopathologists and Economic Entomologists which is to be held June 24th at Wageningen, Holland. While in Europe, Dr. Howard will attend the International Congress of Agriculture at Paris May 22-26, and the international conference concerning *Dacus oleae* to be held at Madrid on June 18.

PROFESSOR CHARLES PALACHE has been appointed curator of the mineralogical museum at Harvard to take office next September, in place of Professor John Eliot Wolff, whose plan to retire from active teaching next summer was recently announced.

DR. CHARLES SCHUCHERT, professor of paleontology and historical geology at Yale University since 1904, and Dr. Horace L. Wells, professor of analytical chemistry and metallurgy since 1893, will retire from active teaching in June.

ACCORDING to an announcement recently issued by the board of conservation and natural resources of the state of Illinois, Dr. Morris M. Leighton has been appointed chief of the State Geological Survey, to succeed Frank W. DeWolf, who resigned on March 20. Dr. Leighton, who is at present associate professor of geology at the University of Illinois, has for several years maintained a part time connection with the Illinois State Survey, carrying on during the summers investigations, both scientific and economic, relating to the surficial deposits of the state.

DR. EDWARD P. HYDE, who organized the Nela Research Laboratories in 1908 and who in re-

cent years has occupied the position of director of research of the National Lamp Works of the General Electric Company, has tendered his resignation to take effect June 30 of this year. Dr. Hyde will take a prolonged rest abroad.

DR. HENRY GORDON GALE, professor of physics and dean of the Ogden Graduate School of Science of the University of Chicago, has been elected a director of the John Crerar Library.

HARRY N. WHITFORD, assistant professor of tropical forestry at Yale University, has been granted leave of absence to assist the United States Department of Commerce in the investigations in the production of rubber recently authorized by Congress.

APPOINTMENT of W. L. Abbott, of Chicago, as chairman of a committee to make a nationwide coal storage survey in cooperation with the United States Coal Commission and the Department of Commerce is announced by the Federated American Engineering Societies.

DR. FRANK APP has resigned from the Agricultural College and Experiment Station of Rutgers College to become vice-president of the Minch Brothers Company at Bridgeton, N. J.

COLONEL CHARLES KELLER, of the Corps of Engineers, U. S. A., who has served for the past two years as engineer commissioner of the District of Columbia, has resigned to undertake work in connection with hydro-electric development on the Pacific Coast.

PROFESSOR AND MRS. T. D. A. COCKERELL, of the University of Colorado, will sail from San Francisco for Yokohama on June 4. Thence they will proceed to Vladivostok, in order to investigate a deposit of fossil insects recently discovered on the coast of Siberia, returning to America in September.

SIR WALTER BALDWIN SPENCER is about to lead, on behalf of the Australian government, a mission into Central Australia to investigate the best means of improving the conditions of the aborigines.

CAPTAIN ROALD AMUNDSEN left Nome, Alaska, on April 13, by dog team for Wainwright, five hundred miles north, in preparation for an attempt to fly over the North Pole to Norway.

S. R. WILLIAMS, professor of physics of Oberlin College, is spending a year's leave of

absence at the California Institute of Technology. At a recent public meeting held in the auditorium of the Norman Bridge Laboratory of Physics, Professor Williams spoke on the subject of "Magnetism" and gave a public demonstration of the Barkhausen effect by means of a power amplifier and a "Magnavox."

DR. ALFRED MARSTON TOZZER, of Harvard University, is in residence at Pomona College until May 10, giving a series of lectures on the Johnson foundation. He will deliver a series of three lectures on anthropology, three lectures on the "Evolution of man" and three popular evening lectures.

DR. T. C. MENDENHALL, of Ravenna, Ohio, delivered the annual address before the Ohio Eta Chapter of Phi Beta Kappa, Ohio Wesleyan University, on April 9. His subject was "Weighing the earth."

PROFESSOR ALBERT A. MICHELSON, of the University of Chicago, will lecture before the Brooklyn Institute of Arts and Sciences, Friday evening, April 27, on "The measurement of stars by light waves."

AT a meeting of the Washington alumni chapter of Phi Kappa Phi on April 11 an address was delivered by Dr. E. W. Allen on "Pasteur: a lesson in productive scholarship".

DR. PAUL S. WELCH, of the University of Michigan, national president of the Gamma Alpha Graduate Fraternity, will lecture on April 27 under the auspices of the Ohio chapter on the subject, "Limnological investigations on Michigan lakes."

PROFESSOR LOUIS KAHLENBERG, of the department of chemistry of the University of Wisconsin, was at the University of Missouri at Columbia on April 4 and 5 and at the School of Mines at Rolla on April 5 and 6. He lectured at both places on his experimental researches on the separation of crystalloids by dialysis. He also spoke at convocation on recent tendencies in scientific research.

DR. KAREL FREDERIK WENCKEBACH, professor of medicine, University of Vienna, will deliver the eleventh Harvey Society lecture at the New York Academy of Medicine on Saturday evening, April 28. His subject will be "The rhythms of the heart."

DR. KENNETH C. HEALD, of the United States

Geological Survey, geologist in charge of the section of geology of oil and gas fields, is on leave of absence from the Geological Survey, delivering a course of lectures on petroleum geology at the University of Chicago.

AT a joint meeting of the American Association for the Advancement of Science, Sigma Xi and Phi Kappa Phi at the Pennsylvania State College on Friday, April 20, Herman Stabler of the United States Geological Survey spoke on "The canyons of the Colorado River" and Professor J. E. De Camp discussed "The mental tests at State College" which have been given by the department of education and psychology.

IN accordance with the plan adopted last year of throwing open to the public a series of lectures on various topics in the field of physics, Harvard University, through its department of physics, has arranged to offer this spring three popular lectures, as follows: April 27, "Sound waves," with experimental illustrations, Professor F. A. Saunders; May 4, "Atomic explosions," Dr. Kemble; May 11, "Electron tubes, amplifiers, detectors and oscillators," Professor E. L. Chaffee. Each of these lectures will be held in the large lecture room of the Jefferson Physical Laboratory and will begin at 8 p. m.

THE Friday evening meetings of the Royal Institution, London, were resumed on April 13, when the discourse was delivered by Dr. W. H. Eccles on "Studies from a wireless laboratory." Succeeding discourses will probably be given by Mr. W. J. S. Lockyer, Mr. C. V. Boys, Professor Soddy, Professor W. A. Bone, Mr. W. M. Mordey, Sir Aston Webb, Professor Lorentz and Miss Joan Evans.

LEGISLATION against teaching "as true" either "Darwinism or any hypothesis that there is blood relationship between man and the animals," was urged by William Jennings Bryan in an address to the West Virginia legislature on April 13.

Two fellowships, of 12,000 liras each, are offered by the Italian government for research on malaria. Among the themes suggested for special study are the development of malaria in regions with few mosquitoes; the biology of mosquitoes; their range of flight; the incidence

of malaria before the mosquito season; relations between malaria and domestic animals; the water plants which promote or check proliferation of mosquitoes; other larvacidal measures and means to enhance immunity and protect workers in the fields.

THE University of Chicago board of trustees announces that the Metropolitan Life Insurance Company has again renewed its grant of \$3,000 to the department of hygiene and bacteriology for special investigations in respiratory diseases.

UNIVERSITY AND EDUCATIONAL NOTES

THE University of Minnesota has received a gift of \$250,000 with which to erect and equip a cancer hospital to be a part of the University of Minnesota General Hospital. The money was donated by the Citizens Aid Society of Minneapolis, established in 1916 by the late George H. Christian.

EIGHT members of the faculty of the Women's Medical College of Philadelphia presented their resignations to the board of incorporators of the institution on April 17 in protest against the dismissal of Dr. Alice W. Tallant, head of the obstetrics department. This made a total of fifteen resignations, including the entire surgical staff, for the same cause. Incompatibility was assigned as the reason for Dr. Tallant's dismissal.

THE resignation of Dr. John P. Sutherland as dean of the Boston University School of Medicine, after twenty-six years of service as the head of the school, has been accepted by the trustees, and Dr. Alexander S. Begg, formerly dean of the Harvard Graduate School of Medicine, now professor of anatomy at the school, has been appointed dean for the coming year.

AT Yale University Adolph Knopf, associate professor of physical geology and petrology, has been promoted to be professor; George E. Nichols, assistant professor of botany, to be associate professor; and Charlton D. Cooksey and Alan T. Waterman, instructors in physics, to be assistant professors.

DR. J. H. VAN VLECK, now at Harvard, and Dr. Gregory Breit, who this year is National

Research Council fellow in physics, also at Harvard, have been appointed to assistant professorships at the University of Minnesota department of physics following the resignation of Professor W. F. G. Swann to go to the University of Chicago. Dr. Van Vleck, a son of Professor Van Vleck, of the University of Wisconsin, has worked on atomic structure. Last year Dr. Breit conducted research in physics at the University of Leyden.

MR. R. S. ADAMSON, lecturer in botany at Manchester, has been appointed to the Harry Bolus chair of botany in the University of Cape Town.

DISCUSSION AND CORRESPONDENCE

MARINE ZOOLOGICAL STATIONS

I AM sorry that my recent letter to *SCIENCE*¹ regarding work in marine zoology seems to have caused Dr. Fisher² uneasiness. Perhaps I can try here to indicate more clearly what I had in mind.

A number of the points raised in Dr. Fisher's comment were familiar to me, and do not cause me to change my original view. Perhaps the most important matter involves the proposition that one can not continuously pursue intellectual work in a warm climate, and that the "glamor" fades. My own belief, based upon a certain amount of direct observation, is this: that a person, biologist, who will loaf in (say) Bermuda, will probably loaf in any other place. The notion that all biologists not in the subtropics work continuously and at high intellectual pressure would certainly be grotesque! As Peterson remarks, in speaking of his bottom sampling operations, to carry on research it is necessary not only to have equipment and the opportunity for using it; it is necessary also to have ideas. So that if there were an inevitable incompatibility between warm weather and cerebration, for the majority of persons, it would surely be unfortunate. But aside from Beebe's pronounced expressions of opinion on this subject, I may point to the fact that Dr. Fisher's view, as he has stated it, does a quite unmerited injustice to workers at Manila, in Java, in

¹ *SCIENCE*, December 29, 1922, p. 751.

² *Ibid.*, February 23, 1923, p. 233.