

a stimulating leadership to the development of soundly progressive policy in the Association of Land Grant Colleges and Universities.

Because: Your captaincy of the New York State College of Agriculture gave breadth and depth and reach to its service in the life of that commonwealth.

Because: You have displayed extraordinary genius in driving fundamental research and practical application

abreast without soiling the purity of research or slowing down the process of practical utilization.

Because: As Provost of Cornell University, you are sharing in the guidance of a great university through the mazes of social and economic change.

I am happy to confer upon you, in the name of the University of Wisconsin, its honorary degree of Doctor of Laws.

SCIENTIFIC NOTES AND NEWS

ON the occasion of his eighty-fourth birthday, Dr. Herman L. Fairchild, professor of geology at the University of Rochester from 1888 until his retirement as emeritus in 1920, presented the university with his portrait, painted by H. F. Fisher. The portrait is hung at the left of the main loan desk in the Rush Rhees Library.

THE *Quarterly Journal of the Royal Meteorological Society* for April, 1934, is a special "Shaw Number," in honor of Sir Napier Shaw's eightieth birthday.

PROFESSOR A. O. LEUSCHNER, chairman of the department of astronomy in the University of California and director of the students' observatory, has been elected a foreign member of the Royal Physiological Society at Lund, Sweden, in the section for astronomy. Membership in the section from countries other than Sweden is limited to five.

DR. ERNST KÜSTER, professor of botany at the University of Giessen, has been elected an honorary member of the Royal Microscopical Society, London.

DR. HANS FISCHER, of the University of Munich, has been elected an honorary member of the Society of Physical Chemistry at Madrid.

THE honorary degree of doctor of science has been conferred by Tulane University upon Dr. Isaac Monroe Cline, of the U. S. Weather Bureau at New Orleans. Dr. Cline was presented for the degree by Dean Edward A. Bechtel, of the College of Arts and Sciences, with the following citation: "In behalf of the College of Arts and Sciences I have the very great honor and privilege of presenting as a candidate for the degree of doctor of science a man who has faithfully and loyally served the Federal Government and the Nation for a period of more than a half century; a scientist of high achievement in the field of meteorology; the author of standard works on tropical cyclones; a contributor to the science of medicine in his studies of climate and health; a man whose civic spirit has won him the esteem and affection of this city and this state—Dr. Isaac Monroe Cline."

PROFESSOR TIFFENEAU, Paris; Professor W. Straub, Munich, and Professor Heubner, Berlin, were elected

honorary members of the British Pharmacological Society at the recent Oxford meeting. At its first meeting, held a year ago, Professor John J. Abel, of the Johns Hopkins University, and Professor Hans Horst Meyer, of the University of Vienna, were elected honorary members.

THE governing body of the Imperial College of Science and Technology, of the University of London, has elected to Imperial College fellowships the following old students of the college: Sir Alfred Chatterton, consulting engineer, formerly of Bangalore, India; Dr. William H. Eccles, consulting surgeon to St. Bartholomews Hospital, London; Dr. C. Lloyd Morgan, professor emeritus at the University of Bristol, vice-chancellor and for twelve years principal of the college, and Dr. William J. Sollas, professor of geology and paleontology at the University of Oxford.

AT the annual reunion of the Alumni Association of the College of Medicine of the University of Cincinnati on June 14, tribute was paid to Dr. Arthur C. Bachmeyer, who has resigned as dean of the college. Dr. Martin H. Fischer presented a silver coffee service to Dr. Bachmeyer on behalf of his colleagues at the college and the Cincinnati General Hospital. Other speakers were President Raymond Walters, of the university, Drs. William M. Doughty and Fred Heinold. Dr. David Riesman, Philadelphia, was the guest speaker. His subject was "Medical Progress in One Generation."

DR. HAIM I. DAVIS, professor of psychiatry at the University of Illinois College of Medicine since 1926, has retired with the title of professor emeritus.

DR. EDWARD S. WEST, associate professor of biochemistry at the Washington University Medical School, St. Louis, has been appointed head of the department of biochemistry at the University of Oregon Medical School, filling a vacancy caused by the death of Dr. Howard D. Haskins.

DR. EDWARD B. SHAW has been promoted to be associate clinical professor of pediatrics at the University of California Medical School, San Francisco.

RECENT promotions at Dartmouth College include

the following: from assistant professor to professor, Charles J. Lyon, botany; Fletcher Low, chemistry; Harold M. Bannerman, geology; Louis C. Mathewson, mathematics; from instructor to assistant professor, Richard H. Goddard, astronomy, and F. W. Perkins, mathematics.

DR. ROBERT J. D. GRAHAM, of the department of botany at the University of Edinburgh, has been appointed professor of botany at the University of St. Andrews.

DR. ARCHIBALD WILSON HARRINGTON has been appointed to the Muirhead chair of medicine at the University of Glasgow in succession to Professor Walter K. Hunter, who will retire in September.

FRED W. MORRELL, assistant forester in the Forest Service, will have administrative charge of the new Great Plains shelterbelt project.

WILLIAM L. SAMPSON, assistant professor of biologic sciences at the College of Pharmacy at Rutgers University, has been appointed to the research staff of Merck and Company, Rahway.

APPOINTMENTS of research associates in oceanography at the University of California Scripps Institution of Oceanography for the year beginning July 1 are: Drs. Easter E. Cupp, phytoplankton; M. W. Johnson, zooplankton; G. W. Marks, physiology; E. H. Myers, foraminifera; E. M. Thorp, marine sediments, and N. A. Wells, physiology of fishes; for the summer of 1934 and the last half of June, 1935, Professor Burt Richardson, physics, of Occidental College. Research assistants for the year are Messrs. R. H. Fleming, chemistry, and Roger Revelle, marine sediments.

THE British Secretary of State for the Colonies has appointed A. C. Miles, provincial superintendent of agriculture, to be deputy director of agriculture on the Gold Coast.

DR. CLARENCE E. MCCLUNG, professor of zoology and director of the laboratory of zoology at the University of Pennsylvania, who for the past year has been Rockefeller visiting professor at the Keio Medical School in the University of Tokyo, is returning to America by way of Java and Ceylon.

DR. C. F. MARBUT, chief of the division of soil survey of the Bureau of Soils of the U. S. Department of Agriculture, who was recently appointed honorary professor of soils at the University of Missouri, will leave at the end of August for a conference on soils in Barcelona, after which he will participate in an excursion of soil specialists over the Spanish peninsula and part of north Africa. He plans later to spend a few months as adviser on soils to the Geological Sur-

vay of China, returning to the United States in the spring, after having spent some time in India.

DR. ANCEL B. KEYS, formerly research assistant at the Scripps Institution of Oceanography, and now a member of the staff of the Harvard University Fatigue Laboratory, will lead an expedition to the high mountain country north of Kashmir, India, during the spring and summer of 1935. The purpose of the expedition is to study body changes of man and animals at various altitudes ranging from sea level to heights greater than 20,000 feet. The base camp will be established at about 17,500 feet.

PROFESSOR RICHARD GOLDSCHMIDT, of the Kaiser Wilhelm Institute for Biology, Berlin-Dahlem, is expected to visit several universities in Spain during the month of August to give lectures on genetics. He will return to Berlin in September.

DR. ARVID WALLGREN, professor of pediatrics and chief of the Children's Hospital at Gothenburg, Sweden, delivered the Theodore B. Sachs Lectures on tuberculosis at the University of Illinois College of Medicine, on June 6 and 7. These lectures were established at the college for a five-year period by the Chicago Tuberculosis Institute.

DR. GUNNAR NYSTROEM, professor of surgery at the University of Upsala, Sweden, will give the fourth series of Abraham Flexner Lectures in February and March, 1935, at the Vanderbilt University School of Medicine.

DR. L. W. HACKETT, assistant director of the International Health Division of the Rockefeller Foundation, has been appointed Heath Clark lecturer at the University of London for 1934, the lectures of Professor Karl Pearson having been postponed to next year.

Nature states that the fifty-third annual meeting of the Society of Chemical Industry was held at Cardiff, from July 16 to 20, under the presidency of Dr. J. T. Dunn. The presidential address, entitled "Science and Industry—the Fertility of Ideas," was delivered on July 17. Other addresses included: Professor H. Freundlich, on "Plasticity the Servant of Industry"; Sir Harry McGowan, to whom the Messel Memorial Medal was presented, on "The Uneven Front of Research," and Colonel C. H. Bressey, on "British Roads Development during the Past Fifteen Years."

THE twelfth International Veterinary Congress will be held in New York at the Waldorf-Astoria from August 13 to 18, under the presidency of Professor E. Leclainche, Paris.

THE Genetics Society of America will hold a meet-

ing at the Marine Biological Laboratory, Woods Hole, Mass., late in August.

THE thirty-sixth annual meeting of the Medical Library Association was held in Baltimore, Md., from May 21 to 24, under the presidency of Miss Marcia C. Noyes, librarian of the Medical and Chirurgical Faculty of the State of Maryland. The following officers were elected for 1934-35: *President*, Mr. Charles Frankenberger, librarian, Medical Society of the County of Kings and Academy of Medicine of Brooklyn, N. Y.; *Vice-president*, Miss Louise Ophüls, librarian, Lane Medical Library, San Francisco, Cal.; *Secretary*, Miss Frances N. A. Whitman, librarian, Harvard University Schools of Medicine and Public Health; *Treasurer*, Miss Mary Louise Marshall, librarian, Tulane University Medical School; *Chairman, Executive Committee*, Miss Marjorie J. Darrach, librarian, Medical Science Department, Detroit Public Library; *Editor of the "Bulletin,"* Mr. J. C. Harding, librarian, Cleveland Medical Library Association; *Manager of Exchange*, Miss Ella B. Lawrence, librarian, Washington University School of Medicine. The next annual meeting will be held in Rochester, N. Y., in June, 1935.

A CONFERENCE on tree ring studies was held on June 11 and 12, 1934, at the Museum of Northern Arizona at Flagstaff, under the chairmanship of Dr. A. E. Douglass, of the University of Arizona. The following institutions interested in dendro-chronology were represented: The Carnegie Institution of Washington, the University of Arizona, Gila Pueblo, Laboratory of Anthropology and the Museum of Northern Arizona. The representative from the University of New Mexico was unable to attend. Among the problems of the science discussed was the need of a journal in which to publish the original data on which climatological conclusions and prehistoric dates are based. It was, therefore, decided to publish a quarterly called the *Tree Ring Bulletin*. Dr. A. E. Douglass will be editor-in-chief; Dr. Waldo S. Glock, assistant editor; Dr. Harold S. Colton, managing editor, and Mr. John C. McGregor, assistant managing editor. Plans call for a July number to appear in a few weeks. While the publication will be of immediate interest to archeologists, it will also deal with problems of climatology and other subjects to which tree-ring studies are related.

WHILE the State Geological Survey of West Virginia is theoretically also a biological survey little or no biological work has been done. At its last annual meeting the West Virginia Academy of Science voted to organize and sponsor a biological survey of the state, and the biological section of the academy appointed a committee made up of H. W. Shawhan, state forester; A. B. Brooks, Oglebay Park naturalist, and a biologist from each college in the state to work out details and have charge of the work. Representatives of the colleges are: Marshall, Frank Gilbert; West Virginia Wesleyan, J. E. Judson; Davis and Elkins, S. Benton Talbot; Salem, H. D. Bond; Bethany, B. R. Weimer; Fairmont, C. M. Roberts; Glenville, E. R. Grose; Concord, E. Meade McNeill; University, L. M. Peairs; Potomac State, R. C. Patterson; Shepherd, G. H. Bretnall; Morris Harvey, C. L. Shilliday; West Liberty, J. E. Drummond; W. Va. State College, A. P. Hamblin, and New River State, E. W. Seyster. Dr. Albert M. Reese, of the University of West Virginia, has been appointed chairman. For the present the academy will be the agent of publication. After the work gets well under way it is hoped that adequate appropriations may be secured from the state. The University of West Virginia will be the repository for all collections and publications relating to the survey. The Bureau of Biological Survey of the U. S. Department of Agriculture has promised to cooperate. All those having material of value to the survey are urged to communicate with the chairman or some other member of the committee, and any one wishing to make use of the material that may be brought to Morgantown is invited to do so.

THREE bird sanctuaries are to be established on the shores of the Central Park, New York City, lakes, which it is expected that thrushes, warblers, nut-hatches and other small birds will use as a resting place in their spring and fall migrations. In addition, a number of lakes in the other four boroughs will be stocked next year with fish hatched in the park. The largest of the bird sanctuaries will be on the Harlem Mere at the north end of Central Park. A 1500-foot log boom will keep boats, still to be allowed on the lake, away from the shore of the peninsula there. This retreat will be reserved especially for pheasants and migratory birds.

DISCUSSION

HOW SOME BIRDS SATISFY THIRST

In the March 24, 1934, issue of the English journal *Nature*, Seton Gordon has remarked upon the drinking habits of the birds. This is a subject of much interest. While birds in humid well-watered regions

probably find sufficient water at hand for their needs, in very arid regions and in periods of extreme winter cold, water may not be readily available.

Some of the desert birds appear to be little worried by the absence of a ready supply of drinking water.