

H. H. Dale, National Institute for Medical Research; Professor J. C. Drummond, University College, London; Professor C. Lovatt Evans, University College, London; Dr. J. Fawcett, Guy's Hospital; Sir Gregory Foster, provost of University College, London; Sir J. Kingston Fowler, London; Professor A. V. Hill, Foulerton professor, Royal Society; Sir F. G. Hopkins, Cambridge; Professor J. B. Leathes, Sheffield; Sir T. Lewis, University College Hospital, London; Professor Graham Lusk, Cornell Medical College, New York; Professor Sir C. J. Martin, director, Lister Institute; Professor M. S. Pembrey, Guy's Hospital Medical School; Professor Sir E. Sharpey-Shafer, Edinburgh; Sir C. Sherrington, Oxford; Professor G. Elliot Smith, University College, London; Dr. Hubert Starling, Norwich; Professor J. F. Stenning, warden of Wadham College.

THE YALE SCHOOL OF FORESTRY

THE Yale School of Forestry has announced certain changes in policy designed to strengthen its course of study and broaden the opportunities for work of an advanced and specialized character. These changes involve first a modification of the requirements for the degree of master of forestry, second the recognition of forestry by the graduate school of the university as an appropriate field of study for the degree of doctor of philosophy and third the enlargement and enrichment of the courses offered in a number of subjects. The new educational policy aims to provide, as formerly, a training for the general practice of forestry and, in addition, to afford special opportunities for the advanced student who desires to specialize in some branch of forestry. This will strengthen the present curriculum and enable the school to fulfil its fundamental objective of offering to the individual student a type of training which best meets his special educational needs. Under the new plan the requirements for the degree of master of forestry include: two years' work in technical forestry, one year of which must be in residence at Yale; a thesis representing work of an individual character, and an examination covering the general field of forestry.

The degree of doctor of philosophy is conferred by the graduate school of the university. The work of the student is under the direction of the faculty of forestry of the graduate school, which includes the professors of the school of forestry giving instruction in the graduate school and representatives from other departments whose work is affiliated with forestry.

A number of the courses offered by the school will be enlarged and made more comprehensive. The former plan of a prescribed curriculum necessitated the curtailment of certain courses in order that each student might be able to cover the field of forestry in

a specified period of time. In consequence these courses could not be given with the degree of thoroughness compatible with sound education.

Of special importance is the extension of work in soils. Through a cooperative arrangement with the Connecticut Agricultural Experiment Station, the school has secured the services of Mr. M. Francis Morgan to conduct the instruction in this subject. He will offer a foundation course especially designed for forestry students and also will direct the work of advanced students.

The course in forest entomology will also be enlarged. The instruction in this subject will be given by Dr. Roger Boynton Friend. He will offer a foundational course in entomology and direct the work of those specializing in forest entomology.

Larger opportunities for the graduate student will be afforded in the fields of forest products, forest policy, economics and forest pathology.

INCREASE OF SALARIES AT COLUMBIA UNIVERSITY

A RISE in salaries of teachers and administration officers of Columbia University, effective on July 1, has been authorized by the board of trustees. The increases will affect all the 450 members of the teaching and administrative staff appointed directly by the trustees for full-time service, except for two small groups for whom provision has already been made, either by special salary rises or by appropriations in the 1928-29 budget.

The new salary schedule will increase the present minimum scale for full professors to \$7,500 a year, instead of \$6,000 as heretofore, and will provide three groups—one at \$9,000, one at \$10,000 and one at \$12,000—to which individual professors of exceptional service or distinction may be advanced or appointed. Sixty-eight professors have now been placed in these groups.

The new normal minimum for associate professors will be \$5,000, instead of \$4,500, with a \$6,000 classification for individuals of exceptional service or distinction, fifteen having already been placed in this category.

Assistant professors will receive a normal minimum of \$3,600, instead of \$3,000 as heretofore, and there will be groups at \$4,000, \$4,500 and \$5,000 for those of exceptional distinction or service. Fifty are already allotted to these groups.

The new minimum for instructors has been set at \$2,400, replacing the old minimum of \$2,000, with advancement in the following years, if reappointed, to \$2,700 and \$3,000. Additional compensation has been provided also for fourteen officers of the univer-

sity administration, seventeen members of the library staff and five members of the business administration. The new schedule will not apply to services given in the summer session or in extension work.

Remarking that the action of the trustees was consistent with a liberal policy adopted as far back as 1875, President Butler said:

They have now, through their careful husbanding of the university's resources, and by reason of recent benefactions, been able to take action which will add greatly to the satisfaction and material rewards of academic service at Columbia University. It is greatly hoped that this action will set an example to be followed at other institutions to the well-deserved advantage and comfort of the great body of American scholars engaged in the world of university teaching and research.

AMERICAN MEDICAL ASSOCIATION GRANTS FOR RESEARCH

THE committee on scientific research of the American Medical Association has made a grant of \$250 to Dr. O. Larsell, of the University of Oregon Medical School, Portland, in aid of his studies on the hemopoietic effect of nuclear extractives.

Dr. A. A. Maximow, professor of anatomy at the University of Chicago, has received \$1,000 from the association for paying skilled technical help.

Dr. G. A. Talbert and his collaborators of the physiological department of the University of North Dakota have received a third grant of \$300 for continuing the research on the "Constituents Common to the Sweat, Urine and Blood."

A substantial grant has been made to the department of agricultural chemistry of the University of Wisconsin for a quantitative study of the distribution in foodstuffs of copper which, from recent researches in that department, is now known to supplement iron in the building of hemoglobin in the mammal.

SCIENTIFIC NOTES AND NEWS

DR. WILLIAM D. HARKINS, professor of chemistry at the University of Chicago, has been awarded the Willard Gibbs gold medal of the Chicago section of the American Chemical Society.

THE Louis Edward Levy medal of the Franklin Institute of Philadelphia has been awarded to Dr. Vannevar Bush, professor of electric power transmission at the Massachusetts Institute of Technology, for two papers on the Product Integrator, a mathematical instrument developed under Dr. Bush's direction. The medal will be presented at the annual medal day exercises of the Franklin Institute on May 16.

At the annual general meeting of the Institute of Chemistry, held on March 1, the Meldola medal for 1927 was presented to Dr. J. H. Quastel, fellow of Trinity College, Cambridge.

THE editors of the *Journal de Mathématiques* announce that the volumes for 1928 and 1929 will be dedicated to the eminent mathematicians Paul Appell and Émile Picard, as a tribute upon the occasion of their scientific jubilees. The edition will be limited, and the volumes will not be reprinted.

DR. WEBER, professor in the University of Geneva, presided over the Congress of the Anatomists' Association which opened on April 3 in Prague. The vice-president is Dr. J. P. Hill, professor of embryology in the University of London.

WALDEMAR KAEMPFERT, of New York, the editorial and scientific writer, has been appointed director of the Rosenwald Industrial Museum, Chicago.

PROFESSOR DR. C. RAMSAUER, director of the Physical Institute of the Technical High School of Dantzig, Germany, has been appointed head of the new research laboratory which the Allgemeine Elektrizitäts Gesellschaft is establishing in Berlin.

DR. GEORGE T. PACK, for five years professor and head of the department of pathology, University of Alabama School of Medicine, has accepted an appointment at the Memorial Hospital for Malignant Diseases, New York.

DR. B. YOUNGBLOOD has resigned as director of the Texas Agricultural Experiment Station, effective on April 30, to continue the development of the cotton utilization research program of the U. S. Bureau of Agricultural Economics. He is succeeded as director of the station by A. B. Conner, who has been connected with the Texas station since 1904, as agronomist, vice-director and acting director.

EDGAR S. ROSS, senior fellow at the Mellon Institute, has resigned to become manager of research and development for the Hadley Good Roads Company, of Philadelphia.

DR. GEORGE T. MOORE, director of the Missouri Botanical Garden, is making an extended trip abroad, during which he will visit the leading botanical gardens and experiment stations of Europe, as well as the principal bulb and orchid growers.

PROFESSOR AND MRS. T. D. A. COCKERELL have left Siam for Australia after conference with Dr. Kerr on the Siamese flora and with Dr. Hugh M. Smith on Siamese fishes.