

Wisconsin Medical Society and the Phi Chi medical fraternity, was given on November 26 for the late Dr. Charles R. Bardeen, dean of the medical school for many years. Dr. Anton J. Carlson, professor of physiology of the University of Chicago, gave an address entitled "Science, Medicine and the Common Life."

THE Board of Governors of the Institute of Medicine of Chicago has voted to enroll the late Edwin R. LeCount as a benefactor in recognition of his gift in 1931 of \$10,000 for a trust fund to bear the name of Joseph Almarin Capps, the income from the fund to be used to establish an annual prize for the most meritorious investigation in medicine in Chicago completed within two years after graduation by a graduate of a medical school in Chicago. Four prizes of \$500 each have been awarded since the fund was established.

SCIENTIFIC NOTES AND NEWS

THE American Geographical Society, at its November meeting, awarded the Charles P. Daly Medal to Roy Chapman Andrews, director of the American Museum of Natural History; the Cullum Geographical Medal to Professor Douglas Johnson, of Columbia University, and the David Livingstone Centenary Medal to Lars Christensen, of Norway. The Cullum Medal bears a citation reading as follows: "Douglas Johnson, lucid interpreter of the forms of the land and its coastal fringe. Revealer of geographical truth to soldier and statesman."

THE first Francis J. Clamer Medal for the most meritorious achievement in the field of metallurgy was presented on December 7 by the Technical Society of Philadelphia to Dr. Charles H. Hertzy, Jr., research metallurgist of the Bethlehem Steel Corporation.

Nature reports that the Symons Gold Medal of the Royal Meteorological Society for 1936 has been awarded to Professor Wilhelm Schmidt, director of the Central Institution for Meteorology and Geodynamics, Vienna. The medal is awarded biennially for distinguished work in connection with meteorology and will be presented at the annual general meeting of the society on January 15.

THE Petrie Medal of the University of London was presented by the university on Foundation Day, November 10, to Abbé H. Bréuil, in recognition of his services to archeology.

SIR GILBERT BARLING, who was pro-chancellor of the University of Birmingham for twenty years and at one period dean of the faculty of medicine, has been presented with the Birmingham Civic Society's gold medal in recognition of his services to the intellectual and esthetic life of the city.

Dr. LeCount was professor of pathology in Rush Medical College from 1892 until his death in August, 1935. Dr. Capps is clinical professor of medicine in the division of biological sciences, University of Chicago.

ON the occasion of the fiftieth anniversary of the first inoculation for rabies on July 20, a bust of Pasteur was unveiled at Havana in a square to which his name had been given, on the initiative of the Academy of Sciences of Havana, in conjunction with the Franco-American Committee of Paris.

Nature reports that on behalf of a body of subscribers an offer of £540 has been made to the University of Cambridge to form a fund in memory of Dr. J. E. Marr, Woodwardian professor of geology. This fund is to be used to provide grants for the study of geology in the field.

THE Earl of Clarendon, Governor-General of the Union of South Africa, has been elected president of the South African Association for the Advancement of Science for the year 1935-36. He succeeds Dr. M. M. Rindl, professor of chemistry in Grey University College, Bloemfontein.

DR. GEORGE D. BEAL, assistant director of Mellon Institute, has been elected president of the American Pharmaceutical Association for the year 1936-1937. This association, which was organized in 1852, has about 4,500 members, including the leading pharmaceutical manufacturers, research workers and teachers of the United States. Dr. Beal has been a member of the executive staff of Mellon Institute since 1926 and since 1930 has been a member of the Revision Committee of the U. S. Pharmacopoeia whose eleventh edition is just off the press. Prior to joining Mellon Institute Dr. Beal was professor of analytical and food chemistry in the University of Illinois. He is an authority on quantitative organic analysis, alkaloids, fatty acids and anthraquinone drugs.

THE following officers were elected at the annual meeting of the American Society of Agronomy on December 5 and 6: *President*, Professor R. M. Salter, Wooster, Ohio; *Vice-president*, Dr. F. D. Richey, Washington, D. C.; *Chairman*, Crops Section, Professor H. B. Sprague, New Brunswick, N. J.; *Chairman*, Soils Section, Dr. W. A. Albrecht, Columbia, Mo.; *Editor*, Professor J. D. Luckett, Geneva, N. Y.; *Secretary-treasurer*, Dr. P. E. Brown, Iowa State College, Ames, Iowa.

AT the thirty-fifth annual meeting of the Botanical Society of Washington, D. C., held on December 3, following the two hundred and sixty-ninth regular

meeting, Lyster H. Dewey, C. L. Shear, William Stuart and Merton B. Waite, who had retired from active professional work in the Bureau of Plant Industry during the past year, were elected to honorary membership. Officers for the ensuing year were elected as follows: *President*, Dr. John W. Roberts; *Vice-president*, Dr. Charles F. Swingle; *Recording Secretary*, G. F. Gravatt; *Corresponding Secretary*, Miss Alice Anderson; *Treasurer*, Miss Nellie W. Nance; representative to the Washington Academy of Sciences, Dr. Charles Drechsler.

SIR ROWLAND BIFFEN has been appointed to act as head of the department of agriculture of the University of Cambridge during the absence on leave from November 15 until April 2 of Professor F. L. Engledow, Drapers' professor of agriculture.

It is reported in *The Toronto Telegram* that graduates of McGill University have been appointed as follows: Dr. J. F. Heard has been named to the staff of the Dunlap Observatory at Toronto; Dr. R. L. Thornton, holder of a Moyse traveling scholarship, has joined the staff of the department of physics at the University of Michigan; Dr. R. N. H. Haslam has joined the staff of the University of Saskatchewan, and Dr. E. P. Aimna has been placed in charge of the new laboratory of physics of the General Chemical Company, New York.

DR. ALVIN JOSEPH COX, JR., instructor in pathology at Stanford University Medical School, has been appointed to an exchange instructorship in pathology at the University of Freiburg. Dr. Kalus Rosenkranz, of Freiburg, will spend a year lecturing at the Stanford University Medical School.

DR. WALTER N. BANGHAM, of the Goodyear Rubber Plantations Company, Sumatra, is returning to the United States for a four-months vacation. He has spent the last five months in Panama, establishing an experimental plantation of rubber for the Goodyear Rubber Plantations Company, with about forty thousand rubber trees of high-yielding clones brought from the Philippine plantation of that company.

DR. JOSEPH E. ALICATA, of the U. S. Department of Agriculture, Washington, has been appointed temporarily parasitologist in the Hawaii Agricultural Experiment Station at Honolulu.

DR. RICHARD E. McARDLE, dean of the Forest School of the University of Idaho, has been named director of a new forest and range experiment station, established in the Rocky Mountain region, which completes the series of twelve forest experiment stations authorized in the McSweeney-McNary Forest Research Act. The station headquarters will be at Fort Collins, Colo., in cooperation with the Colorado State Agricultural Col-

lege. Dr. R. F. Taylor has been made chief of the Division of Forest Management, and L. F. Palmer, formerly of the Biological Survey, head of the Division of Range Management. A third division, that of forest influences, has not yet been organized.

DR. J. G. FITZGERALD, director of the School of Hygiene and Connaught Laboratories of the University of Toronto, has been made a member of the Permanent Commission on Biological Standardization of the Health Organization of the League of Nations.

J. W. GREEN, magnetician of the Department of Terrestrial Magnetism of the Carnegie Institution of Washington, sailed from Los Angeles on December 11, for Watheroo, Western Australia, where he will relieve W. C. Parkinson as observer-in-charge of the Watheroo Magnetic Observatory, after a five-year tour of service. Mr. Parkinson will later take up magnetic observations at field stations in the Pacific Islands (occupied in earlier years) to determine secular changes.

FRANCIS R. WILCOX, specialist in agricultural economics in the Agricultural Extension Service of the University of California, has leave of absence for a year to enable him to accept a position under the U. S. Department of Agriculture concerned with the development of the farm products export trade of the United States.

DR. R. A. FISHER, Galton professor of eugenics and head of the Galton Laboratory of University College of the University of London, will be a guest professor at Iowa State College, Ames, from June 17 to July 22, during the first term of the summer quarter. He will conduct a course in the design of experiments. He will also participate in a number of conferences with experts in fields in which statistical analysis is important, such as economics and genetics. Dr. Fisher is credited with being responsible for the development of the modern theory of experimental design and of efficient statistical methods for small samples. His latest book, "Design of Experiments," was published in November. Dr. Fisher taught at Iowa State College in the summer of 1931.

DR. GEORGE HOYT WHIPPLE, dean and professor of pathology of the University of Rochester School of Medicine, delivered the William Henry Welch Lectures at Mount Sinai Hospital on December 12 and 13. He spoke on "Ways and Means of Hemoglobin Construction within the Body" and "Plasma Protein Regeneration as Influenced by Various Factors."

PROFESSOR ROBERT M. YERKES, director of the laboratories of comparative psychobiology at Yale University, lectured to an open meeting of the Brown University Chapter of Sigma Xi on December 9. His

subject was "Concerning the Biology of the Chimpanzee."

UNDER the auspices of the Beaumont Medical Club, Dr. Archibald Malloch, librarian of the New York Academy of Medicine, spoke at Yale University on the evening of December 13 on "Certain Old American Medical Works." The lecture was illustrated. Contributions to medicine by American authors were on exhibition in the foyer.

DR. KARL M. DALLENBACH, professor of psychology at Cornell University, spoke on December 14 before the Lancaster Branch of the American Association for the Advancement of Science on "The Psychology of Magic." There were demonstrations of magic by Professor Charles W. Mayser, of Franklin and Marshall College. About 800 members were present.

PROFESSOR KARL ZIEGLER, of the University of Heidelberg, will give a series of lectures at the University of Chicago in the winter quarter, beginning on February 17. There will be two series of lectures—one on "Free Radicals and Organo-Alkali Metal Compounds" and the other on "Poly-Membered Rings."

THE Thomas Young Oration was given by Professor Charles Fabry, of the Institut d'Optique, Paris, on December 6, at the Imperial College of Science and Technology, South Kensington. The title of the lecture was "Vision in Optical Instruments."

APPLICATIONS for the position of senior chemist (distillation) must be on file with the U. S. Civil Service Commission, Washington, D. C., not later than January 6. At present there is a vacancy in the Alcohol Tax Unit, Treasury Department, which will

be filled as a result of this examination. The entrance salary is \$4,600 a year.

THE 1936 congress of the International Society for Experimental Cytology will be held in Copenhagen. Dr. Albert Fischer, chairman of the local committee, has placed the Biological Institute of the Carlsberg Foundation at the disposal of the congress, and members of the University of Copenhagen and other institutions of Denmark have offered to cooperate in every possible way towards the success of the meeting. Other members of the committee are: August Krogh, zoophysical laboratory; Oluf Thomsen, Institute for General Pathology; Boisen-Jensen, laboratory of plant physiology; Hou-Jensen, Anatomical Institute; Dr. Harald Okkels, secretary, Pathological-Anatomical Institute, all of the University of Copenhagen. Although the exact date of the congress has not yet been fixed, it will probably be held some time in August. Those members of the society who may have definite preferences as to the time of meeting are asked to communicate with Dr. Okkels immediately. Members of the society and others who may be interested are requested to submit to the committee any suggestions they may wish to offer concerning subjects to be dealt with in symposia.

THE new building of the School of Medicine of the University of Arkansas was opened for classes on October 1. Built with a loan and grant of \$500,000 from the Public Works Administration, the new structure, accommodating 300 students, is five stories high with a sixth story in the center. It is of modern American architecture with an exterior of buff-colored face brick and limestone trim.

DISCUSSION

THE TRAINING OF TEACHERS OF MATHEMATICS

A COMMISSION of the Mathematical Association of America has recently published a report on "The Training of Teachers of Mathematics"¹ which should be of interest to workers in all fields of science. The report is concerned primarily with the preparation of teachers in colleges and universities, but includes a short discussion of the training of teachers for secondary schools.

With regard to the preparation of college teachers of mathematics, one of the principal issues discussed is the question of the narrowness of training involved in the preparation of a research thesis of the prevailing type. The commission advocates the acceptance

of a broader training with a modified type of dissertation as a suitable program leading to a doctorate. In making this recommendation the commission calls attention to the fact that the valuable research produced by American trained doctors in mathematics comes mainly from a very small percentage of the total number of persons holding the doctorate. "The training for research must therefore be justified for most candidates, if at all, on other grounds than their contributions to the advancement of mathematical research, as that term is customarily understood."

The commission says, "The failure of prevalent research training to make productive mathematicians out of the majority of the doctors in mathematics leads us to question the desirability of demanding a research thesis of the prevailing type from all candidates for the doctorate."

¹ *American Mathematical Monthly*, 42: 5, 263-277, May, 1935. Reprints of the full report may be obtained by writing to Secretary W. D. Cairns, Oberlin, Ohio.