

Of the 160,000 physicians in the United States today, somewhat over 40,000 are specialists in the various branches of medicine. Of these only 1,600 are psychiatrists, or one in twenty-five. In other words, there are a hundred times as many doctors in physical as in mental medicine, the committee pointed out. This is out of all proportion to the magnitude of the problem of nervous and mental disease. Half of the hospital beds of the country are occupied by patients suffering from mental disease, and there are many more not in hospitals.

The new division of psychiatric education will center its work largely around the medical schools, with a view to attracting more medical students to this branch of medicine and to giving those who plan to engage in other specialties or in general medicine instruction which will better equip them for dealing with such problems of mental health as will inevitably arise in their work.

The director of the division will be Dr. Ralph A. Noble, of Sydney, Australia, and associated with him will be Dr. Franklin G. Ebaugh, director of the Colorado State Psychopathic Hospital.

THE NINTH INTERNATIONAL CONGRESS OF PURE AND APPLIED CHEMISTRY

THE Ninth International Congress of Pure and Applied Chemistry is to be held under the patronage of the Government of the Spanish Republic in Madrid, from April 3 to April 10, 1932. It will be twenty years since such an international congress has been held, the eighth having met in Washington and New York in 1912.

According to a statement in *Industrial and Engineering Chemistry*, the National Council of the Spanish Federation of Chemical Societies, upon which the Spanish Society of Chemistry and Physics, the Society of Spanish Mining Engineers, the National Union of Chemical Experts, the Academy of Sciences, the Institute of Oceanography and the National Chamber of Chemical Industries are represented, is the body which is affiliated with the International Union and which has the responsibility for the details of the congress. The honorary president is J. R. Mourello, vice-president of the Academy of Sciences and professor emeritus of the School of Arts, University of Madrid; the president, O. Fernández, professor of the University of Madrid, member of the Academy of Sciences, and dean of the Academy of Pharmacy; the general secretary, E. Moles, professor of the University of Madrid, and of the National Institute of Chemistry and Physics, as well as president of the Spanish Society of Chemistry and Physics.

The rules which will govern the congress are in part as follows:

I. The object of the Ninth International Congress of Pure and Applied Chemistry is to further the progress of pure chemistry and all its applications, as well as to strengthen relations between chemists the world over.

II. Any person professing interest in any one or more of the objects of the congress may enroll as a member.

III. The membership of the Ninth International Congress of Chemistry shall be divided into three categories, *viz.*:

(a) *Honorary Members*: All members of the Committee of Honor and of Patronage, the official delegates of the Spanish government and of the governments of other countries.

(b) *Supporting Members*: All persons who individually (whether payment be made in joint accounts or in any other manner) pay the minimum amount of 250 gold pesetas.

(c) *Active Members*: All who pay the general fee of 50 gold pesetas. The application for membership shall vouch for the applicant's agreement to all the rules and regulations of the congress. All members shall be entitled to receive all publications *in extenso*, to take part in the sessions of the congress and to receive copies of the daily newspaper which will be published, as well as a separate issue of all the summaries of the communications and documents referring to the congress, including the final report on the proceedings. Members shall also be entitled to attend the receptions and festivities in connection with the congress, unless otherwise indicated on the program, which will accompany the identification cards.

IV. Tickets at 15 gold pesetas each will be issued for ladies wishing to accompany the members of the congress. They will be granted the same privileges as members except that they will not be allowed to take active part in the sessions, or receive publications.

V. The congress will be divided into the following groups, each of which will have a section on pure, and one on applied, chemistry; Group 1, physical and theoretical chemistry; Group 2, inorganic chemistry; Group 3, organic chemistry; Group 4, analytical chemistry; Group 5, biological chemistry; Group 6, teaching and economics. The executive committee is authorized to increase the number of sections as the need of the congress may demand.

THE HENRY BURCHARD FINE HALL OF MATHEMATICS

THE Henry Burchard Fine Hall of Mathematics was dedicated at Princeton University on October 22.

The hall has been erected at a cost of \$500,000 in memory of the late Professor Fine, who organized the

department of mathematics at Princeton University and was for twenty years dean of the department of science. The money for the erection and an endowment of \$150,000 for its upkeep were given shortly after Dean Fine's death in 1928 by the late Thomas D. Jones and his niece, Miss Gwethalyn Jones, of Chicago.

The new structure is in the southeastern portion of the campus, adjoining and connected with the Palmer Physical Laboratory. It is built of red brick and limestone and was designed by Charles Z. Klauder, of Philadelphia, in collegiate Gothic style to conform with neighboring campus buildings. Overstuffed chairs and davenports take the place of chairs and

desks and the classrooms are fitted out after the manner of private studies.

Mathematical formulae have been used as decorative motifs of the building. Designs on some of the windows include the Newtonian equation of gravitation, formulae of Einstein, two equations on the quantum theory, the five perfect solids and spheres and the three conic sections. Over the fireplace in the common room is engraved a German quotation from Einstein.

Preceding the dedication, Professor Gilbert A. Bliss, of the University of Chicago, and Professor George D. Birkhoff, of Harvard University, read papers in one of the lecture rooms. Both are former teachers at Princeton University.

SCIENTIFIC NOTES AND NEWS

THE corner-stone of the New York State Theodore Roosevelt Memorial at the American Museum of Natural History was laid by Governor Franklin D. Roosevelt on October 27.

THE Baly Medal of the Royal College of Physicians, which was awarded to Dr. Walter Bradford Cannon, professor of physiology in the Harvard Medical School, will be presented to him in November, as announced by Lord Dawson of Penn at the annual Harveian commemoration of the college on October 18. The Harveian oration was delivered by Dr. Robert Hutchison on "Harvey, the Man and His Methods: A Message for Us To-day."

IN recognition of his research work in dental nutrition, Dr. Percy R. Howe, professor of dental science in Harvard Medical School, director of the Forsyth Dental Infirmary and past president of the American Dental Association, has been awarded the 1931 Fauchard medal presented by *Dental Survey*.

AT the forty-second annual meeting of the German Pediatric Society, Dr. Alfred F. Hess, of New York, and Dr. Henry J. Gerstenberger, of Cleveland, were elected to honorary membership.

A DINNER in honor of Dr. Charles Wardell Stiles will be given at the Cosmos Club, Washington, on November 7. Dr. Stiles retired from active duty in the U. S. Public Health Service on October 1, after more than forty years of service in the government.

THE first Joseph Henry Lecture under the auspices of the Philosophical Society of Washington was given at the Cosmos Club, Washington, by President Joseph S. Ames, of the Johns Hopkins University, on October 24. His subject was "Certain Aspects of Henry's Experiments on Electro-Magnetic Induction."

DR. WILLIAM H. WELCH, professor emeritus of the

history of medicine at the Johns Hopkins Medical School, spoke on October 23 at the first of an annual series of "Field Nights" to be held by the University Club, of which he is president. Dr. Welch, who recently returned from abroad, spoke on European medical and scientific congresses and celebrations, at several of which he was the principal speaker and guest of honor.

DR. T. M. BRODERICK, for the past eleven years chief geologist of the Calumet and Hecla Mining Company and previously assistant professor of geology at the University of Minnesota, has been appointed research professor of geology at the Michigan College of Mining and Technology. He retains his connection with the mining company; at the college he will devote most of his attention to investigating the utilization of low-grade iron ores. Further appointments are: Dr. Irwin Roman, formerly on the staff of Vanderbilt University and later mathematical physicist with the Geophysical Research Corporation, as assistant professor of mathematics and physics; Dr. F. A. Rohrman, of Columbia University, as assistant professor of chemical engineering; E. W. Schilling, of Iowa State College, as assistant professor of electrical engineering; H. W. Risteen, of the University of Wisconsin, as assistant professor of mechanical engineering; Dr. L. W. Eastwood, E. J. Townsend, T. R. Maki, William Gertz and Lloyd Staples, as instructors in various technical departments.

DR. JAMES A. CRABTREE, director of the division of preventable diseases in the Tennessee state department of health, has been appointed assistant professor of epidemiology at the Johns Hopkins University School of Medicine.

MISS E. KATHARINE WRIGHT, formerly associate