

catalyze the reaction. Professors N. F. Hall and T. O. Jones, of the University of Wisconsin, will present the results of a redetermination of the ratio of light to heavy hydrogen in water. Professor Malcolm Dole, of Northwestern University, will read a paper on the relative atomic weights of oxygen in water and in air, and will discuss the effect of his results on the chemical standard of atomic weights.

A sensitive balance for measuring the density of carbon dioxide, with special reference to the isotopic ratio, will be described by Professor Farrington Daniels, of the University of Wisconsin. Professor Urey will take up the theoretical and experimental methods which have been used to investigate the equilibrium properties of reactions in which hydrogen and deuterium compounds take part.

THE SEVENTIETH ANNIVERSARY OF ENGINEERING AT LAFAYETTE COLLEGE

LAFAYETTE COLLEGE celebrated the seventieth anniversary of the founding of engineering courses on March 20, at which time many of the leading engineers in America attended the ceremonies.

The honorary degree of doctor of science was given to Charles Franklin Kettering, president, General Motors Research Corporation; G. S. Rice, chief mining engineer of the U. S. Bureau of Mines, and Professor Almon H. Fuller, head of the civil engineering department of Iowa State College.

Mr. Kettering was the principal speaker of the morning convocation. The topic of his address was "What's Ahead in Engineering?" Professor William S. Hall, professor emeritus of mathematics, outlined "Seventy Years of Engineering at Lafayette." The

convocation in Colton Memorial Chapel was followed by an invitation luncheon at Brainerd Hall.

Dr. Morland King presided over the afternoon conference held in Pardee Hall. The general topic for discussion was "The Place of the Engineer in the Modern World." The speakers were: Professor Almon H. Fuller, whose topic was "The College Training of the Engineer"; Robert I. Rees, assistant vice-president, the American Telephone and Telegraph Company, "The Professional Training and Recognition of the Engineer"; and President William E. Wickenden, of the Case School of Applied Science, outlined "The Place of the Engineer in Modern Society."

The fact that Lafayette was the site of the first successful canning in hermetically sealed containers, accomplished by Harrison W. Crosby, was observed when Edwin J. Cameron, of the National Cannery Association Research laboratories, outlined the development of the industry since Crosby's invention.

Willard Chevalier, vice-president of McGraw-Hill Publishing Company, speaking on the subject of "An Engineer takes a look at Modern Trends" was the last speaker of the day at a subscription dinner at the Hotel Easton. Dr. William Mather Lewis was toastmaster.

Preceding the principal program on Thursday, March 19, at a meeting of the John Markle Mining Society in the new Markle Hall building, members of the faculty unveiled portraits of Rossiter W. Raymond and Thomas M. Brown, formerly professors in the Lafayette engineering department. Throughout the course of celebration there was on display at the Alumni Memorial Gymnasium an industrial exhibition including working models, illustrations of manufacturing processes, scientific instruments, experiments and translux projections of engineering operations.

SCIENTIFIC NOTES AND NEWS

THE seventy-third annual meeting of the National Academy of Sciences will be held in Washington, D. C., on April 27, 28 and 29.

THE annual general meeting of the American Philosophical Society will be held on April 23, 24 and 25, beginning at 2 p. m., on Thursday, April 23. The R. A. F. Penrose, Jr., memorial lecture will be given on Friday evening by Dr. Dixon Ryan Peck, president of Union College, who will speak on "The American Tradition in a New Day."

THE executive committee of the American Association for the Advancement of Science will meet at Lancaster, Pa., on Sunday, April 19. On the preceding evening members of the committee will be entertained by the Lancaster Branch, now having about one

thousand members, established last year by the council of the association at the Pittsburgh meeting. Business to be brought before the executive committee should be sent to the office of the permanent secretary in the Smithsonian Institution Building, Washington, D. C.

THE Hubbard Gold Medal of the National Geographic Society will be presented to Lincoln Ellsworth by President Roosevelt on April 15, probably at the White House. The award was made in recognition of the exploratory flights in the neighborhood of both Poles and particularly for the 2,200-mile flight last November over unexplored territory in Antarctica.

DR. MAXIMILIAN EHRENSTEIN, a member of the department of physiology at the Medical School of the University of Virginia, formerly a member of the fac-