

- February 4. M. E. Barnes, M.D., field director, International Health Division, Rockefeller Foundation, "Problems or Duties of a County Health Officer."
- February 18. Peter Olitsky, M.D., associate member, Rockefeller Institute for Medical Research, "Studies on the Bacteriology of Epidemic Influenza."
- March 4. Henry F. Helmholtz, M.D., professor of pediatrics, Mayo Foundation, "Preventive Pediatrics."
- March 18. Henry B. Ward, Ph.D., Sc.D., professor of zoology and head of the department of zoology, University of Illinois, "The Introduction and Spread of the Fish Tapeworm in the United States."
- April 22. George F. McCleary, M.D., medical officer, ministry of health, England, "Health Insurance."

DEGREES CONFERRED BY COLUMBIA UNIVERSITY

ON the occasion of the celebration of the hundred and seventy-fifth anniversary of the foundation of Columbia University, honorary degrees were conferred by President Nicholas Murray Butler on 123 alumni and members of the faculty. The doctorates of science included:

ALUMNI

- Walter Hull Aldridge, E.M., 1887, engineer.
 Edwin Howard Armstrong, E.E., 1913, radio engineer.
 Walter Jarvis Barlow, A.B., 1889; M.D., 1892, physician.
 Frederick Mark Becket, A.M., 1899, president of Electro-Chemical Society.
 William Clarence Braisted, M.D., 1886, surgeon-general U. S. N., retired.
 Arthur Smith Dwight, E.M., 1885, engineer.
 Daniel Edward Moran, C.E., 1884, engineer.
 Sylvanus Albert Reed, A.B., 1874; E.M., 1877; Ph.D., 1880, engineer.
 Edward Sapir, A.B., 1904; Ph.D., 1909, professor of anthropology and general linguistics in the University of Chicago.
 Bailey Willis, E.M., 1878; C.E., 1879, emeritus professor of geology in Stanford University.
 Hans Zinsser, A.B., 1899; M.D., 1903, professor of bacteriology and immunology in Harvard University.

FACULTY

- Leo Hendrik Baekeland, B.S., Ghent, 1882, honorary professor of chemical engineering.
 Charles Peter Berkey, B.S., Minnesota, 1892; Ph.D., 1897, professor of geology.
 Maurice Alpheus Bigelow, B.S., Ohio Wesleyan, 1894; Ph.D., Harvard, 1901, professor of biology and director of the school of practical arts.
 Franz Boas, Ph.D., Kiel, 1881, professor of anthropology.
 Marston Taylor Bogert, A.B., Columbia, 1890, professor of organic chemistry.
 Gary Nathan Calkins, B.S., Massachusetts Institute of Technology, 1890; Ph.D., Columbia, 1898, professor of protozoology.

- William Campbell, B.S., Durham, 1898; Ph.D., Columbia, 1903, Howe professor of metallurgy.
 Henry Edward Crampton, A.B., Columbia, 1893; Ph.D., 1899, professor of zoology.
 William Darrach, A.B., Yale, 1897; M.D., Columbia, 1901, professor of clinical surgery and dean of the College of Physicians and Surgeons.
 Bergen Davis, B.S., Rutgers, 1896; Ph.D., Columbia, 1901, professor of physics.
 Robert Almer Harper, A.B., Oberlin, 1886; Ph.D., Bonn, 1896, Torrey professor of botany.
 Douglas Wilson Johnson, B.S., New Mexico, 1901; Ph.D., Columbia, 1903, professor of physiography.
 Cassius Jackson Keyser, B.S., Missouri, 1892; Ph.D., Columbia, 1902, Adrian professor emeritus of mathematics.
 Frederick Schiller Lee, A.B., St. Lawrence, 1878; Ph.D., Johns Hopkins, 1885, professor of physiology.
 Charles Edward Lucke, B.S., College of the City of New York, 1895; Ph.D., Columbia, 1902, professor of mechanical engineering.
 James Alexander Miller, A.B., Princeton, 1893; M.D., Columbia, 1899, professor of clinical medicine.
 Alfred Owre, D.M.D., Minnesota, 1894; A.B., 1910; M.D., Hamline, 1895, professor of dentistry and dean of the faculty of dentistry.
 Walter Walker Palmer, B.S., Amherst, 1905; M.D., Harvard, 1910, Bard professor of the practice of medicine.
 George Braxton Pegram, A.B., Trinity (N. C.), 1895; Ph.D., Columbia, 1903, professor of physics and dean of the faculty of engineering.
 Henry Hurd Rusby, M.D., University Medical College of New York, 1884, professor of materia medica and dean of the College of Pharmacy.
 Henry Clapp Sherman, B.S., Maryland Agricultural, 1893; Ph.D., Columbia, 1897, Mitchill professor of chemistry.
 David Eugene Smith, Ph.B., Syracuse, 1881; Ph.D., 1887, professor emeritus of mathematics.
 Joseph Russell Smith, B.S., Pennsylvania, 1898; Ph.D., 1903, professor of economic geography.
 Edward Lee Thorndike, A.B., Wesleyan, 1895; Ph.D., Columbia, 1898, professor of education.
 Frederick Tilney, A.B., Yale, 1897; M.D., Long Island College Hospital, 1903; Ph.D., Columbia, 1912, professor of neurology and neuro-anatomy.
 Allen Oldfather Whipple, B.S., Princeton, 1904; M.D., Columbia, 1908, professor of surgery.
 Edmund Beecher Wilson, Ph.B., Yale, 1878; Ph.D., Johns Hopkins, 1881, Da Costa professor emeritus of zoology in residence.
 Robert Sessions Woodworth, A.B., Amherst, 1894; Ph.D., Columbia, 1899, professor of psychology.

IN HONOR OF MME. CURIE

MME. MARIE SKŁODOWSKA CURIE was the guest of St. Lawrence University, Canton, New York, on October 26 and 27. She dedicated the Hepburn Hall of Chemistry, which is the gift of Mrs. A. Barton Hep-

burn, of New York City. There is a statue of Mme. Curie over the door of Hepburn Hall. Preceding the dedication there was a service in Gunnison Memorial Chapel, at which Dr. Richard Eddy Sykes, president of the university, conferred the honorary degree of doctor of science upon Mme. Curie. An address was delivered by Dr. George B. Pegram, dean of the college of engineering of Columbia University, and an original poem in honor of Mme. Curie was read by Dr. Charles Kelsey Gaines, professor of English literature at St. Lawrence University. At the dedication service the building was presented by Mrs. Hepburn, a trustee of the university, and was accepted by Mr. Owen D. Young, president of the university corporation. Mme. Curie then read a speech of dedication.

On October 30 Mme. Curie received from the hands of Mr. Hoover a gift of \$50,000 with which to purchase a gram of radium. The presentation was made at the auditorium of the National Academy of Sciences Building.

Dr. Vernon Kellogg, permanent secretary of the National Research Council, presided and introduced Dr. William H. Welch, of the Johns Hopkins University, who spoke on behalf of the scientific men of America. Mr. Hoover was then introduced and said:

I am sure that I represent the whole American people when I express our gratification to Mme. Curie that she should have honored our country by coming here. We give to her the welcome for the beneficent service she has given to all mankind.

It is not necessary for me to recount the great fundamental discovery associated with the names of her late husband and herself. The discovery of radium was an outstanding triumph of research in the realm of pure science.

It was indeed a great and successful exploration into the unknown, from which a new truth has brought to the world a practical revolution in our conceptions of substance. It has advanced all thought on the constitution of matter. And, like all discoveries of fundamental substance and fact, it has found application to human use. In the treatment of disease, especially of cancer, it has brought relief of human suffering to hundreds of thousands of men and women.

As an indication of the appreciation and the respect which our people feel for Mme. Curie, generous-minded men and women, under the leadership of Mrs. William Melony, have provided the fund with which a gram of radium is to be purchased and presented to the Hospital and Research Institute which bears her name in Warsaw. The construction of this hospital was a magnificent tribute by the city of her birth and the Polish people, in which the American people are glad to have even this opportunity of modest participation.

The whole of this occasion where we pay tribute to a great scientist is again a recognition of the fundamental importance of scientific research, and a mark of public appreciation of those who have given their lives to human service through its profession.

In reply, Mme. Curie said:

Mr. President, Dr. Welch, ladies and gentlemen:

I am conscious of my indebtedness to my friends in America, who for the second time, with great kindness and understanding, have gratified one of my dear wishes. My work is very much my life, and I have been made happy by your generous support of it.

I feel deeply the importance of what has been said by the president of the United States about the value of pure science; this has been the creed of my life. Scientific research has its great beauty and its reward in itself; and so I have found happiness in my work.

It has been, however, an additional as well as an unexpected happiness to know that my work could be used for relief in human suffering.

I do not believe that I deserve all the praise that has been given me, but I highly value the friendly feeling expressed by the president and by Dr. Welch.

Mr. President, in my native land your name is revered for having saved, by your humanitarian work, a large part of the young generation. Your kind work of to-day will add to the gratitude of the Polish people toward you.

In accepting this precious gift, which will hasten the opening of the radium institute in Warsaw, I offer you and my American friends my most profound thanks. My laboratory in Paris will keep in close relation to the Warsaw institute, and I will like to remember the American gifts of radium to me as a symbol of enduring friendship binding your country to France and to Poland.

SCIENTIFIC NOTES AND NEWS

THOMAS A. EDISON has been named an honorary member of the Italian Academy of Sciences and Letters of Genoa, in recognition of his "distinguished services to science, industry and humanity."

DR. HENRY FAIRFIELD OSBORN, president of the American Museum of Natural History, has been elected a foreign member of the Accademia Nazionale dei Lincei, Rome.

It is reported in an Associated Press dispatch from Stockholm that the Nobel prize in medicine will be divided between Dr. Frederick Gowland Hopkins, professor of biochemistry at the University of Cambridge, and Dr. C. Eijkmann, professor of hygiene and legal medicine at the University of Utrecht. Both have worked on problems of nutrition related to what are now known as vitamins.