

The quality of those men and the affectionate intimate speeches were an ample testimonial of the worth of "Daddy Low".

Prof. Low's early general education was received at the High School and West End Academy, Dundee. During apprenticeship, he attended evening classes for science and technical subjects and afterwards studied at Owens College, Manchester, and the University of Glasgow. Altogether he spent seven years in engineering workshops and drawing offices before taking up a lectureship in engineering at Allan Glen's Institution, Glasgow. He was headmaster of the Day Technical School for Boys at the People's Palace, London, a school which set a high standard to technical education never surpassed. For twenty-six years he was professor of engineering in East London College, University of London.

Many very successful text-books stand to Prof. Low's credit, dealing with machine drawing and design, practical geometry and graphics, engines and other engineering topics. Most of these books, which are singularly free from mistakes, have seen many reprints. His "Heat Engines" took about five years to write. He loved his book writing and was never satisfied until he had everything as perfect as he could make it. As the result of this meticulous care, most of his books are as good to-day as when they were written.

For many years, Prof. Low was greatly interested in the theatre and opera, went to many 'first nights' and particularly to his favourite place of entertainment, the "Old Vic". He was very fond of travel, went to Canada and the United States four or five times, the last time being in 1932 with the Institution of Mechanical Engineers, of which he was one of the oldest members. Since his retirement he made eight or nine trips in the Mediterranean with his wife, and did a good deal of motoring with two devoted daughters.

On his last day, Prof. Low smoked two cigars—his great luxury, the gift of his old students—went to bed in the library where his books were written. At 11.30 p.m. he was sleeping peacefully, at 12.30 a.m. he had ceased to sleep. To Mrs. Low and her family his old students unite in deepest sympathy. They will never cease to hold him in grateful memory and abiding affection. He will ever remain an inspiring example to British engineers.

Mr. Adolf Gallenkamp

ADOLF GALLENKAMP, whose death at the age of eighty-eight years occurred on February 26, founded the firm which bears his name about fifty years ago. He was a shrewd observer, and foresaw that a wider recognition of science in academic and industrial circles in Great Britain was inevitable. In conformity with this view, he devoted the early part of his business career to the provision of apparatus for schools, of a better and more varied type than that previously in use. The success achieved in this direction led him to extend his work to higher educational institutions, and he found a special field in the technical colleges and polytechnics which were

being established in different parts of the country. Later, he extended his activities to the special requirements of industrial laboratories and the medical and other professions, and always strove to provide the latest and best types of apparatus.

Mr. Gallenkamp frequently visited laboratories in other countries in search of new ideas, and always welcomed suggestions from those who had dealings with him. He was a diligent reader of scientific publications, from which he frequently extracted information which enabled him to improve on many of the instruments then in use. His time was so completely occupied in his business that he was unable to take an active part in the work of scientific bodies in London, and few to whom the name of his firm was well known were personally acquainted with this genial and gifted man, whose face bore a striking resemblance to that of Victor Hugo. He gathered round him a staff of competent men who shared his enthusiasms, and had the satisfaction of seeing his business grow from a very humble beginning to one with a world-wide connexion.

All scientific men recognize the debt they owe to those who provide the instruments upon which the quality and quantity of their work so largely depend, and amongst the many who have contributed in this way to the advancement of science, the name of Adolf Gallenkamp will be honoured by all those who knew or had dealings with him. C. R. D.

WE regret to announce the following deaths :

Dr. Katharine J. Bush, formerly of the Zoological Department of the Peabody Museum, Yale, known for her work on annelids, molluscs, and other marine invertebrates, on January 19, aged eighty-one years.

Prof. H. Bechhold, director of the Institute for Research in Colloid Chemistry at Frankfort-on-Main, known for his work on colloids in biology, on February 18.

Mr. J. W. Capstick, fellow of Trinity College, Cambridge, on April 27, aged seventy-eight years.

Dr. A. H. Church, F.R.S., formerly University lecturer in botany, Oxford, on April 24, aged seventy-two years.

Dr. Milton J. Greenman, director of the Wistar Institute of Anatomy, Philadelphia, an authority on the nervous system, on April 7, aged seventy years.

Major J. Herschel Hardcastle, an authority on small arm ballistics, on April 21, aged sixty-six years.

Dr. T. G. Macaulay Hine, O.B.E., known for his work on pathology, especially cerebrospinal fever, on April 25, aged sixty-six years.

Prof. Enrique Paschen, formerly director of the Vaccination Institute of Hamburg, an authority on smallpox and vaccination, aged seventy-five years.

Prof. Julius O. Stieglitz, professor of chemistry in the University of Chicago, known for his work in organic chemistry, on January 10, aged sixty-nine years.

Prof. W. M. Wheeler, professor of entomology in Harvard University, on April 19, aged seventy-two years.