

may use inland waters in the disposal of sewage matter from public sewers. The statutes enacted in various states are classified according to their general scope and an opportunity is thus afforded to compare their effectiveness and desirability. In some states there is nothing more than a simple provision making it a crime to poison wells and springs, while in others elaborate provisions have been made to check and, so far as possible, absolutely prevent all pollution of all waters by the refuse products of animal life or the waste of human industry. In citing the statutes, Mr. Goodell has grouped the states together logically to show the stage of growth in sanitary education at which each has arrived. It is hoped that the publication and distribution of this paper will help to bring about a general apprehension of correct principles upon the important subject of water pollution.

UNIVERSITY AND EDUCATIONAL NEWS.

THE John Bell Scott Memorial Laboratory of Physical Science, at Wesleyan University, Middletown, Conn., will be dedicated on December 7. The address will be delivered by Dr. Edward B. Rosa, on 'The National Bureau of Standards and its Relations to Scientific and Technical Laboratories.'

WE learn from the *London Times* that at the beginning of last year an appeal was made by Dublin University for a fund for the development and better equipment of the science schools in Trinity College. Lord Iveagh offered to provide all the estimated building expenses (a sum of £34,000) conditionally upon the amount required for annual expenses being obtained by public subscription. For the latter purpose a capital of £78,000 is required. The committee in charge of the fund announce to-day that of this amount £15,886 has now been subscribed or promised, a site and designs have already been prepared for a new physical laboratory, and building operations will begin before the end of the year.

NEW medical buildings and the George Holt Physics Laboratory, which have been added to the Liverpool University, were opened on November 12. The inauguration proceedings took place in St. George's-hall

and were presided over by the Chancellor of the University, Lord Derby, who was accompanied by Lord Kelvin, Mr. Haldane, K.C., M.P., Lord Cross and representatives of the English universities. The buildings have been erected at a cost of £21,600, which has been subscribed by Liverpool merchants and representatives of local families.

THE following promotions and appointments have been made in the Department of Mathematics and Astronomy of the University of Pennsylvania: George H. Hallett, Ph.D., has been promoted to an assistant professorship of mathematics; Eric Doolittle, C.E., to an assistant professorship of astronomy; Henry B. Evans, M.E., Ph.D., has been appointed assistant professor of mathematics.

DR. ALBERT WOELFEL has resigned his position in the Memorial Institute for Infectious diseases, Chicago, to accept an appointment in the Department of Physiology, of University of Chicago.

WE learn from *The Electrical World* that Professor Harry E. Clifford, acting head of the department of electrical engineering in the Massachusetts Institute of Technology, has been appointed to the free professorship of theoretical electricity in the institute. Mr. W. S. Barstow has been elected a member of the faculty of the Polytechnic Institute of Brooklyn. Mr. Barstow will serve in the department of electrical engineering as consulting professor of central station practice. Mr. Charles F. Scott has become a member of the board of consulting professors of the department of electrical engineering of the institute.

MR. R. P. GREGORY, demonstrator of botany, and Mr. E. Cunningham, senior wrangler, 1902, have been elected fellows of St. John's College, Cambridge.

PROFESSOR SVANTE ARRHENIUS, of Stockholm, has been called to the University of Berlin.

DR. W. NERNST, of Göttingen, has been called to Charlottenburg, as director of the Reichsanstalt.

DR. OTTO LUMMER, of the Reichsanstalt, has been appointed professor of physics at the University of Breslau.