

the fore-castle will contain space for 50 Arctic dogs. The ship will be rigged as a three-masted schooner. Two steam winches will serve the anchor and will also be used for scientific purposes. The ship will be illuminated throughout with electric light. The Howaldt Ship-building Yard, which is under a contract to have the ship built by the 1st of May, 1901, and fitted out not later than the end of August, 1901, has already begun the construction. A model of the vessel will be shown at the Paris Exhibition.

LECTURES given or about to be given before the Royal Institution, London, are as follows: Mr. C. Vernon Beys, six Christmas lectures (specially adapted for young people) on Fluids in motion and at rest; Professor E. Ray Lankester, twelve lectures on the Structure and classification of fishes; Dr. W. H. R. Rivers, three lectures on the Senses of primitive man; Professor H. H. Turner, three lectures on Modern astronomy; Dr. Charles Waldstein, three lectures on Recent excavations at Argive Heraeum (in Greece), three lectures by Sir Hubert H. Parry; Mr. W. L. Courtney, three lectures on the Idea of tragedy in ancient and modern drama; the Right Hon. Lord Rayleigh, six lectures on Polarized light. The Friday evening meetings will begin on January 19th, when a discourse will be given by the Right Hon. Lord Rayleigh, on Flight; succeeding discourses will probably be given by the Hon. C. A. Parsons, Professor J. Reynolds Green, Mr. H. Warrington Smyth, Professor J. H. Poynting, Major Ronald Ross, Professor Frank Clowes, Sir Benjamin Stone, M.P., Professor J. Arthur Thomson, Sir A. Noble, Professor Dewar and others.

#### UNIVERSITY AND EDUCATIONAL NEWS.

MR. JOHN D. ROCKEFELLER has given \$100,000 to Columbia University to endow the chair of psychology.

MR. ANDREW CARNEGIE has given \$300,000 to Cooper Union, New York City, and \$200,000 has been contributed by Abram S. Hewitt and Mr. Edward Cooper. This will enable the Union to establish courses in mechanic arts.

SYRACUSE UNIVERSITY receives \$25,000 by

the will of the late Erastus F. Holden, of Syracuse.

THE Italian Parliament has voted a sum of 1,300,000 lire for the erection of new buildings for the University of Bologna.

PRESIDENT J. M. CRAFTS, of the Massachusetts Institute of Technology, has presented his resignation, to take effect at the close of the present academic year. In his letter of resignation, he says: "My reasons for taking this step at the time are founded upon my desire to return to purely scientific occupations. My term in office has shown me the wide field of educational problems, both within and outside the Institute, which should be studied, and I have found that such studies and the performance of administrative duties, although not in themselves burdensome, leave little freedom for the pursuit of experimental science. A choice must be made between administrative and scientific occupations, and it is the latter which I wish to choose."

EDWIN GRANT DEXTER, A.M. (Brown), Ph.D. (Columbia), now of the State Normal College, Greeley, Colo., has been elected professor of pedagogy in the University of Illinois.

MR. E. M. BLAKE, Ph.D., who was recently elected to an honorary fellowship in mathematics at Cornell University, has entered upon his work there. Mr. Blake received his doctor's degree from Columbia University in 1893, after which he spent two years there as instructor in Barnard College. He spent the year '95-'96 as a student in Leipzig, Berlin and Göttingen, and in '96-'98 was instructor in mathematics in Purdue University. Since leaving Purdue, Dr. Blake has been a student in Paris; his investigations thus far have been chiefly in kinematics.

By a recent Ministerial decree, M. Sergejevich, whose unpopularity with the students of the University of St. Petersburg is said to have been one of the chief causes of the disturbances that have occurred among them, has been relieved of his functions as Rector of the University of St. Petersburg. He has been succeeded by Professor Holmstein, who is credited with liberal tendencies.