

nation, which will direct the work of the association in accordance with the resolutions of the General Assembly. A Central Bureau is to be located at Strassburg in connection with the Imperial Seismological Station there, and reports are to be forwarded to its director as frequently as possible. These reports will be edited and published. The nations, members of the association, are to contribute sums varying from \$100 to \$800 annually, according to their population. The amount thus obtained is to be used for the expenses of administration and publication and may be used in part for such special purposes as the prosecution of special investigations ordered by the General Assembly or for the support of particular observatories founded by the association, observations from which are considered of special importance, and which could not otherwise be made. Each country is to enjoy the utmost liberty in the method of making observations and in the choice of instruments, but the reports are all to be sent to the Central Observatory in terms of Greenwich civil time.

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#### UNIVERSITY AND EDUCATIONAL NEWS.

PROFESSOR JOHN HAYS HAMMOND has added \$50,000 to his previous gift of \$50,000 for a metallurgical laboratory of Yale University.

THE late James A. Woolson has left his property in trust for his wife and daughters and their issue, if any, after which it is to go to public purposes. Boston University will ultimately receive \$600,000, Radcliffe College \$300,000 and the Wesleyan Academy at Wilbraham, Mass., \$300,000.

THE University of Michigan has received from Arthur Hill, of Saginaw, eighty acres of land just outside Ann Arbor, to serve as an experiment farm for the Forestry Department. The tract is called 'The Saginaw Forest Farm.' The tract is to serve as an object lesson in forestry and is planned to provide for: (1) An arboretum of all useful forest trees suited to Michigan. (2) Demonstration areas for seed bed and nursery work. (3) Model plantations of forest trees. (4) Special

experiments in forestry, such as the various methods of propagation of special kinds of timber and the raising of particular kinds of forest products, as well as for other practical purposes. The university has also received from Mr. Joseph B. Whittier, of Saginaw, \$4,000 for the Angeline Bradford Whittier fellowship in botany, in honor of Mr. Whittier's mother, and from the Michigan Federation of Women's Clubs, \$3,000 for a scholarship for women. The sum will later be increased to \$5,000.

MR. ALFRED PALMER has written to the principal of University College, Reading, offering to present to the college a site for the proposed new college buildings. The extent of the gift is about five acres, centrally situated.

PRESIDENT IRA REMSEN, of the Johns Hopkins University, will give the commencement address at the Worcester Polytechnic Institute in June next.

THE new medical laboratories of the University of Pennsylvania will be dedicated next June, and the medical department will move into its new quarters during the summer.

THE Northwestern University has established in the College of Liberal Arts one hundred scholarships open to students from any part of the country who may be able to comply with the conditions. The scholarships are to be assigned upon a new basis, which resembles in some respects the Rhodes scholarships. The chief emphasis in the selection of students will be laid upon promise of superior achievement or probable fitness for public usefulness after leaving college.

MORTIMER E. COOLEY, professor of mechanical engineering at the University of Michigan, was appointed dean of the engineering department at the last meeting of the regents. He succeeds the late Charles E. Green, who was dean of the department from its foundation until his death in October last.

AT University College, London, the Derby scholarship in zoology has been awarded to Mr. W. N. F. Woodland.