

districts be reforested ; that methods be adopted for increasing the birthrate of France, and that a postal service be organized in China under French auspices.

THE biological teachers on the transport *Thomas*, who went to the Philippine Islands in the latter part of July, organized during the voyage a biological society for the investigation of the fauna and flora of the Islands. Mr. H. H. Kenagy, formerly graduate assistant in zoology, University of Nebraska, was chosen as the first president of the organization.

THE British Antarctic exploration ship, *Discovery*, arrived at Cape Town on the 3d inst.

THE committee on the Senn Medal call attention to the following conditions governing the competition for this medal for 1902: (1) A gold medal of suitable design is to be conferred upon the member of the American Medical Association who shall present the best essay upon some surgical subject. (2) This medal will be known as the Nicholas Senn Prize Medal. (3) The award will be made under the following conditions: (a) The name of the author of each competing essay shall be enclosed in a sealed envelope bearing a suitable motto or device, the essay itself bearing the same motto or device. The title of the successful essay and the motto or device is to be read at the meeting at which the award is made, and the corresponding envelope to be then and there opened and the name of the successful author announced. (b) All successful essays become the property of the Association. (c) The medal shall be conferred and honorable mention made of the two other essays considered worthy of distinction, at a general meeting of the Association. (d) The competition is to be confined to those who at the time of entering the competition, as well as at the time of conferring the medal, shall be members of the American Medical Association. (e) The competition for the medal will be closed three months before the next annual meeting of the American Medical Association, and no essays will be received after March 1, 1902. Communications may be addressed to any member of the committee, consisting of the following: Dr. Herbert L. Burrell, 22 Newbury street, Boston, Mass.; Dr. Edward Martin, 415

South Fifteenth street, Philadelphia, Pa.; Dr. Charles H. Mayo, Rochester, Minn.

THE U. S. Geological Survey has issued a statement concerning the value of the mineral products of the United States from which we take the following:

	1880.	1890.	1900.
Metallic products.	\$190,039,865	\$305,735,670	\$552,418,627
Nonmetallic products.	173,279,135	312,776,503	516,690,262
Unspecified.	6,000,000	1,000,000	1,000,000
Total.	\$360,319,000	\$619,512,173	\$1,070,108,889

Last year the value of the mineral products for the first time exceeded a million dollars. During the past nine years the value of the silver mined has not increased, though there has been a considerable increase in the course of the last four years. During the nine years the value of the gold has increased from 33 to 39 million dollars; of pig iron from 128 million to 129 million; of copper from 33 million to 98 million, and the value of aluminum has increased thirteenfold. The value of bituminous coal has increased from 117 million to 221 million, and the value of petroleum from 30 million to 75 million. While in the case of the metals the output has increased approximately in proportion to the value, this is not the case with petroleum. In 1891 the value of crude petroleum was about 56 cents per barrel, whereas in 1890 it was \$1.20.

UNIVERSITY AND EDUCATIONAL NEWS.

BY the will of the late Susan Cabot Richardson, of Milton, Mass., Radcliffe College will ultimately receive nearly \$200,000.

SYRACUSE UNIVERSITY has received an anonymous gift for the erection of a new building to be called the Hall of Natural History.

It is said that the proposed Milliken University, at Decatur, Ill., will be opened next year, with an endowment of over \$1,000,000, of which sum Mr. James Milliken has given over \$500,000. Professor S. R. Taylor, recently president of the Kansas State Normal School, will be president. The institution is under the charge of the Cumberland Presbyterian church.

MR. ANDREW CARNEGIE has given £25,000 to the Glasgow Technical College towards the £50,000 necessary to complete the required fund, £150,000, for the improvement of that institution. Mr. Carnegie has also offered £7,500 for a library at Ilkeston.

THE attendance at Cornell University, including 850 new students, is stated by President Schurman, in his annual opening address, as about 250 in excess of that of last year, and as indicating the total registration for the year, inclusive of the medical school in New York and the summer school at Ithaca, as between 3,250 and 3,500. The registration on the campus, of students in regular courses, promises to be about 2,750. Sibley College has a total attendance of new students, in all classes and courses, of above 350, almost equal to the total of upper classmen returning to the college, making the probable total registration for 1901-'02 about 750 in all grades. The College of Civil Engineering has increased fifty per cent., and the other colleges and departments report large additions. The new building for the medical department is about half completed; that for Sibley College, the great central 'dome,' about one third.

PRESIDENT SETH LOW presented his resignation to the trustees of Columbia University on October 7. It was accepted with expressions of deep regret, and Dr. Nicholas Murray Butler, professor of philosophy and education, was made acting president.

DR. GEORGE H. DENNY, professor of Latin, has been elected president of Washington and Lee University to fill the vacancy caused by the death of William L. Wilson last October. Dr. Denny is not yet thirty-one years of age.

F. H. KING, since 1888 professor of agricultural physics in the University of Wisconsin, has accepted the position of chief of a new division, created in the Bureau of Soils, and goes to the new appointment in November next. The vacancy created at the University of Wisconsin has not yet been filled.

AT Trinity College, Professor Flavel S. Luther, of the mathematical department, has returned from Europe and will take up his work after a year's absence. Rev. Herman Lilienthal has resigned as assistant in the department

of philosophy and Rev. Charles Harris Hayes, Ph.D. (Columbia, Halle and Oxford), of Portland, Me., will take his classes.

DR. EDWIN MEAD WILCOX, M.Sc. (Ohio), and Ph.D. (Harvard), formerly professor in the Agricultural and Mechanical College of Oklahoma, has been appointed professor of biology in the Alabama Polytechnic Institute, Auburn, Ala., filling the vacancy caused by the resignation of Professor F. S. Earle, who has resigned to accept a curatorship in the botanical department of Columbia University, New York.

DR. W. M. BLANCHARD, last year instructor in chemistry at the Rose Polytechnic Institute, has been appointed instructor in charge of the department of chemistry at De Pauw University, in the room of Dr. P. S. Baker, whose death we were recently compelled to announce.

THE following changes have been made in the scientific departments of the University of Maine; Gilbert A. Boggs, Ph.D. (Pennsylvania), has been appointed instructor in chemistry; John E. Burbank, A.M. (Harvard), tutor in physics; Frank H. Mitchell, B.S., tutor in chemistry; H. W. Britcher, of Syracuse and Johns Hopkins Universities, assistant in zoology; Louis R. Cary, B.S., assistant in biology, and Geo. E. Poucher, of De Pauw University, assistant in physics.

DR. ISAMBARD OWEN having definitely declined to accept the principalship of the South Wales and Monmouthshire University College, the council at a recent meeting decided to advertise for a successor to the late principal, Viriamu Jones, at a salary of £1,000 a year.

MR. W. J. POPE has been appointed professor of chemistry and head of the chemistry department at the new Municipal School of Technology at Manchester.

DR. T. E. STANTON, professor of engineering at University College, Bristol, who recently accepted the appointment of superintendent of the Engineering Department in the National Physical Laboratory, is succeeded in his chair at Bristol by Mr. R. M. Ferrier, B.Sc. (Glasgow).

PROFESSOR MAX WOLF, of Heidelberg, has received a call to the University at Göttingen as professor of astronomy and director of the observatory.