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### COLLEGE GRADUATES.

(Continued from Page 1, Col. 1)

After, N. Y. University, Washington and Lee University, Washburn College, University of Illinois, Santa Fe University, Lafayette College, University of Nebraska, North Dakota Agricultural Colleges, Portland, University of Oregon, Simpson College, University of Minnesota, Yale Sheild Science School, Bates College, Beloit College, Hamilton College and the National Naval Academy.

It is also interesting to note that the Chinese colleges have by far the greatest number of representatives. There are in all thirty men representing the following different colleges: Wenchang Provincial College, Chihli Provincial College, Anhui Provincial College, Nanking Naval College, Chinese Naval College and the Imperial Polytechnic College of Shanghai. The other colleges outside of the United States who have graduates at Technology at the present time are: The Syrian Protestant College, the Enugu College, the Institute of Havana, the National College of Paraguay, the McGill University and the Royal Military College, both of Canada; the Escuela Industrial College of Buenos Ayres, Argentina, the Scientific and Literary Institute of Thibasna, Mexico; the Polytechnic College of Zurich, and Melbourne University, Australia.

### UTILIZING COAL WASTE.

The production of anthracite in Pennsylvania includes an appreciable quantity of usable fuel recovered from the old culm banks by washing, and the weightly amount of the wasteful methods of early times are disappearing from the landscape in the anthracite region. The quantity of coal recovered in the 22 years since the first washery was constructed in 1899 has amounted to about 50,000,000 tons, considerably more than the total production of anthracite at the beginning of the period. In 1911 the washery product amounted to 4,156,014 long tons. In addition to the coal recovered from the culm banks, 94,617 long tons in 1911, and 91,833 tons in 1910, were recovered from the bottom of Susquehanna River Washeries.

In the bituminous regions the principal use of washeries is to improve the quality of the slack coal used in the manufacture of coke by removing the ash and sulfur, although considerable quantities, particularly in Illinois, are washed in the preparation of sized coal for household use. The quantity of bituminous coal washed at the mines in 1911 was 12,513 short tons. The washeries yielded 10,584,617 tons of washed coal and 3,930,437 tons of refuse.

### VALUE OF SANDSTONE.

Of the value of the output of sandstone in the United States in 1911 was $7,709,959, a decrease as compared with 1910 of $106,151, according to figures just published by the United States Geological Survey. The leading sandstone producing States in 1911 were New York, Ohio and Pennsylvania, in the order named.

In New York and Pennsylvania a part of the sandstone produced is known to the trade as bluestone. The output of bluestone increased in value from $1,825,747 in 1910 to $1,878,171 in 1911, a gain of $52,424. The stone used for building decreased in value, but that sold for flagging and curbing, as crushed stone, and for unspecified purposes showed a large increase. The increase in value of bluestone production in New York in 1911 was caused by the quantity of a large quantity for use as rocks and as crushed stone in concrete in the building of dams for the New York City water supply system. If it had not been for this demand the New York production, as well as that of Pennsylvania, would have decreased.