

time in the mines of Lake Superior, and the largest recorded was found in 1857 in the Minnesota mine. It measured 45 feet in length, 22 feet at its greatest width and more than 8 feet at its thickest part, and contained over 90 per cent. pure copper. The total weight was about 420 tons.

THE *Observatory* gives the following from the *Daily Chronicle*, a leading London paper:

Actors and others are discussing what they shall do with the seventh day. There is a tiny island in the South Pacific where there is no seventh day, six days being the allotted span of every week. All travelers know that time is lost or gained in traveling east or west, and Chatham Island is just on the line of demarcation between times and dates. To keep in line with the almanac, therefore, the plan has been adopted of jumping the afternoon of one day and the morning of the next in every week, so that the islanders commence Wednesday, but at 10 o'clock switch on to Thursday afternoon.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE children of the late James Dwight Dana (Silliman professor of geology at Yale University from 1850 to 1895) have offered to establish a fund which shall ultimately reach \$24,000, the income to be used "to further study and research in geology."

By the will of Frederick Blanchard of Tyngsboro, Harvard University receives for the use of the Museum of Comparative Zoology his entomological collection.

MRS. JOHN JOSEPH ALBRIGHT, of Buffalo, a trustee of Smith College, has given \$60,000 toward the million-dollar fund. This gift is to establish what will be known as the S. Clarke Seelye professorship. The subscriptions now amount to about \$500,000.

THE corporation of Yale University has passed a statute regarding sabbatical years, making it possible for a professor or assistant professor to take a half-year's absence on full salary as an alternative for a full year at half salary. A similar plan was adopted by the trustees of Columbia University several years ago.

ENROLLMENT figures for 1912-13 for all departments of Western Reserve University are announced this week at the university as follows: Adelbert College, 456; the College for Women, 354; the Graduate School (incomplete), 14; the Medical Department, 168; the Law School, 130; the Dental School, 127; the Library School (incomplete), 50, and the School of Pharmacy, 111. The total enrollment for all departments is 1,410. Western Reserve University, in its undergraduate departments, Adelbert College and the College for Women, has decided that, under ordinary conditions, no division of a class for recitation purposes is to exceed twenty-five persons. This vote, applying to all classes, means that in the freshman class of Adelbert College there will be seven divisions, and in the freshman class of the College for Women five divisions in all required subjects. Many large elective classes will be divided into two, three or four divisions.

DR. FRANK PELL UNDERHILL, assistant professor of physiological chemistry in the Sheffield Scientific School, Yale University, has been elected professor of pathological chemistry in the Medical School.

PROFESSOR R. C. PUNNETT has been appointed the first Arthur Balfour professor of genetics at Cambridge University.

#### DISCUSSION AND CORRESPONDENCE

##### RADIOTELEGRAPHIC ACHIEVEMENTS BY THE POULSEN SYSTEM

TO THE EDITOR OF SCIENCE: I wish to call attention to the important results being accomplished in this country by the Poulsen system of wireless telegraphy. This system and the work that is being done by it is of great scientific interest as well as practical importance, and inasmuch as almost nothing is generally known about it a brief account of its main features may be of interest to the readers of SCIENCE. Although not a physicist I am led to call attention to this subject because I have waited in vain to see any mention of it in scientific journals, and because numerous students of related subjects whom I know