

ments of its current at several places showed that it was flowing at an average speed of 15 miles an hour. This river rises in a superb lake, Lake Chakachamna, 23 miles long, which is hemmed in between lofty mountains and impounded behind a great glacier that lies athwart the general trend of the valley. The distribution of the rivers that head against the Chakachamna can now be predicted with considerable assurance. Thus, to the south are rivers that probably flow in part into Lake Clark; to the west and northwest are tributaries of Stony River and of the South Fork of Kuskokwim River.

Many of the mountain peaks are ragged pinnacles which could be climbed, if at all, only with great difficulty. The highest peak of the region is Mount Spurr, which rises to an altitude of 11,000 feet and is clearly visible from the coast. Although the flanks of this mountain are in large part covered with perpetual snow and glaciers, the mountain was found to be an old volcano that is still active. When the weather was favorable a plume of steam could be seen rising from a point near its crest to a height of more than a thousand feet. This discovery therefore establishes Mount Spurr as the most northerly of the long series of known active volcanoes that occur at intervals along the west coast of Cook Inlet and extend westward into the Alaska Peninsula and Aleutian Islands.

#### ENDOWMENT FOR THE ARNOLD ARBORETUM

FRIENDS of the late Professor Charles Sprague Sargent and others interested in the Arnold Arboretum of Harvard University, in Jamaica Plain, on November 30 gathered at Sherry's Restaurant, New York City, to hear of plans for the completion of a \$1,000,000 endowment fund for the arboretum. The fund, about \$600,000 of which has been raised since Professor Sargent's death last March, will be used to perpetuate the great botanical station as he had planned it. About 500 persons attended the dinner, held under the auspices of the New York committee.

David Fairchild, agricultural explorer in charge of foreign plant introduction for the U. S. Department of Agriculture; Professor Oakes Ames, present supervisor of the arboretum and successor to Professor Sargent, and the Right Reverend William Lawrence, formerly Bishop of the Episcopal Diocese of Massachusetts, were the speakers. All urged support of the arboretum, painting it as a vital part of the country's life and as a great power both in the economic world and for the beauty of the nation.

It was announced on December 3, by Mr. J. P. Morgan, who is acting as treasurer, that since the opening of the New York campaign to raise part of the proposed \$1,000,000 endowment fund for the ar-

boretum, \$109,250 has been contributed by New Yorkers.

A gift of \$50,000 to the fund has been offered by Edward S. Harkness, on condition that the New York committee match the \$460,000 already contributed in Boston.

New York contributors to the fund so far are Moreau Delano, \$25,000; J. P. Morgan, \$20,000; Mrs. Harold I. Pratt, \$15,000; Mrs. W. Bayard Cutting, \$5,000; William Adams Delano, \$5,000; T. A. Havemeyer, \$5,000; Mrs. James H. Metcalf, \$5,000; Charles A. Stone, \$5,000; William Nelson Cromwell, \$2,500; Henry W. de Forest, \$3,000; John E. Aldred, \$2,500; R. W. de Forest, \$2,500 plus \$500; J. N. Jarvie, \$2,500; anonymous, \$1,000; Paul D. Cravath, \$1,000; Mrs. Max Farrand, \$1,000; Mrs. W. L. Harkness, \$1,000; Clarence Hay, \$1,000; Charles Hayden, \$1,000; G. O. Muhlfeld, \$1,000; Anton G. Hodenpyl, \$500; Mrs. Arthur Curtiss James, \$500; Mr. and Mrs. A. R. Graustein, \$500; Victor Morawetz, \$500; W. H. Bush, \$250; O. M. Eidlitz, \$250, and Elihu Root, \$250.

#### THE FIRST MEETING OF THE COLORADO-WYOMING ACADEMY OF SCIENCE

THE first meeting of the Colorado-Wyoming Academy of Science was held on November 25 and 26, at the University of Wyoming. The new organization has an initial enrolment of 166 members chiefly from the eight educational institutions of these two states.

Sectional meetings were held in the new engineering building of the University of Wyoming and forty-one papers were presented on chemistry, physics, botany, zoology, geology and social science. At the business meeting on the afternoon of the second day the constitution was formally adopted and the following officers elected:

- Dr. Aven Nelson, University of Wyoming, *President*.
- Dr. O. C. Lester, University of Colorado, *Vice-president*.
- Dr. L. W. Durrell, Colorado Agricultural College, *Secretary*.
- Dr. E. B. Renaud, University of Denver, *Treasurer*.

Closing the session a banquet was given the members by the University of Wyoming.

#### SCIENTIFIC NOTES AND NEWS

THOMAS ALVA EDISON has been elected an honorary member of the British Institution of Electrical Engineers.

PRESENTATION of the Chandler medal by Columbia University will be made to Professor Moses Gomberg on December 15, when he delivers the Chandler lecture on "Free Radicals in Chemistry—Past and Present."