in gases and vapors, to be pursued at Princeton. Lloyd P. Smith will study at Princeton during the coming year, and has taken the broad field of ionization as his subject. James E. Taylor, assistant professor at Wittenberg College, will engage in research work at Ohio State University, and will attempt a partial resolution of the isotopes of lead. Harold N. Rowe, who has for the past year been working at the University of Chicago under this foundation, has been granted a continuation of his fellowship for another year. During the forthcoming year he will engage in a test of the quantum theory of X-radiation. Warren F. Busse has been appointed an alternate. Mr. Busse is at present a research assistant at the University of Wisconsin, and proposes to study the relation of the chemical effect produced by the cathode rays outside the tube to the ionization produced.

GIFTS TO THE CASE SCHOOL OF APPLIED SCIENCE

DR. CHARLES S. HOWE, president of the Case School of Applied Science, has announced details of the progress of the campaign to raise funds for a new mechanical building and for additional endowment for the school.

An original gift of $500,000 was made on condition that the alumni raise $300,000, which with another gift of $200,000 would make a grand total of $1,000,000. Half of this amount was to go to the building of a new mechanical building and the other half for endowment. The campaign opened April 9 and ended April 16. Case School of Applied Science has roughly twenty-three hundred alumni. To date fifteen hundred and five subscriptions from the alumni, which means that more than sixty per cent. have already subscribed, have been received—subscriptions are still coming in. Instead of raising $300,000 the alumni have raised to date $404,000.

The original gift of $500,000 was given by Charles W. Bingham and when his name was announced an additional gift of $500,000 from his son, Charles W. Bingham, II, was also announced. The grand total to date therefore is approximately $1,625,000. The school will proceed immediately with the erection of the new mechanical building and undertake some other projects of progress which this gift has made possible.

THE NEW SOLAR OBSERVATORY IN SOUTHWEST AFRICA

WITHIN a few months the Smithsonian Institution expects, for the first time in history, to receive daily reports on solar radiation from the Eastern Hemisphere as a result of the establishment of a new solar observatory in Southwest Africa by the National Geographic Society's expedition headed by Dr. Charles G. Abbot, the solar expert of the Smithsonian Institution, who has just returned to Washington.

Construction on this new sun observation post, which is to operate in conjunction with other solar observatories in taking daily measurements of the solar constant, in an attempt to obtain data for long-range weather forecasting, has begun on the arid mountain of Brukkaros, in the center of a Hottentot reservation, with the assistance of the Public Works Department of the government of Southwest Africa.

The observatory and living quarters for the scientists are being built in natural caves, enlarged and improved, to obviate heating in winter and obtain cool rooms in summer. A reservoir of nearly 3,000 gallons capacity is being built to catch the infrequent rains in that part of Africa.

The two American scientific men who will be stationed on Brukkaros will have no easy access to their observatory. The nearest spot to which they will be able to take their supply automobile will be an hour's walk from the mountain.

The outstanding merit of Brukkaros as an observatory site is the clearness of the atmosphere. The place is seven miles north of Berseba, a Hottentot village with a white population of two persons.

Daily communication of solar radiation values probably will be by radio signals to Berseba, whence they will be relayed to Keetmanshoop and cabled to the Smithsonian Institution at Washington.

THE MILLS COLLEGE MEETING OF THE PACIFIC DIVISION, AMERICAN ASSOCIATION

THE tenth annual meeting of the Pacific Division of the American Association for the Advancement of Science will be held June 16 to 19, 1926, at Mills College, California. In accepting the invitation of Mills College to hold the 1926 meeting there the executive committee have been governed by the fact of its central location with respect to the large membership in the San Francisco Bay region and by its desire to recognize the outstanding character of Mills College, which has achieved notable importance on the Pacific Coast and now ranks among the best institutions of its class in the country.

Ample accommodations are assured and in the delightful surroundings of the college guests will find much of interest for the employment of their time between sessions. Mills College is within the city limits of Oakland about five miles from the city hall. It may be reached from San Francisco in one hour and a quarter and from Berkeley and the University of California in a half hour.

A special committee has been appointed to provide entertainment for visiting ladies who may not