

J. A. Udden, professor in Augustana College, geologist.

W. W. Atwood, of the University of Chicago, geologist.

Dr. Stuart Weller, of the University of Chicago, geologist.

Mr. Ross C. Purdy, of the State School of Ceramics, ceramist.

Not all of the men appointed will be able to devote their full time to the survey work, but assurances have been received that all will give some time to it. Professor Rolfe and Mr. Purdy, assisted by Mr. Fox, will devote particular attention to the clay resources of the state beginning their work probably with a study of paving brick and the clays used in its manufacture.

Professor Parr, Mr. Grout, Mr. Van Horn and the director of survey, Mr. Bain, will devote their time largely to a study of the coal fields. It is proposed to take samples of the various seams and to study their qualities as well as their distribution in the field. In the latter work Dr. Weller and Mr. Atwood will assist.

Professor Udden will devote his time to a study of the underground waters of the state with a view to the determination of the limits of the various artesian basins and the depth to which it is necessary to go to obtain good water for municipal and other purposes. In this work he will be assisted by Dr. Bartow and the State Water Survey, which will make the necessary analyses and laboratory tests.

Dr. Grant, with such assistance as may be necessary, will take up the study of the lead and zinc fields found near Galena continuing the work done by the state of Wisconsin.

Professor Salisbury, assisted by various others yet to be appointed, will prepare a series of bulletins for use in the schools, descriptive of the geography and the geology of important type localities within the state. So far arrangements have been made for such bulletins covering the lake shore from Evanston north, the Illinois Valley near Peoria, and the Mississippi Valley between Savanna and Rock Island, and at East St. Louis. The first of these bulletins is now being prepared by Mr. Goldthwaite, of Northwestern University, and Mr. Atwood, of Chicago.

THE MEMORIAL OF MAJOR WALTER REED, U. S. A.

THE executive committee of the Walter Reed Memorial Association, consisting of Daniel C. Gilman, George M. Sternberg, Chas. J. Bell, A. F. A. King, J. R. Kean, W. D. McCaw and Calvin DeWitt, has issued, under date of February 1, the following letter:

You are doubtless aware that to Major Walter Reed, surgeon U. S. Army, is due, in a very large degree, the demonstration that yellow fever is propagated by a mosquito. By this demonstration the spread of the pestilence has been averted, and, when proper precautions are taken, the danger is almost annihilated. The immense benefits which have come to humanity from this discovery can hardly be estimated.

Under these circumstances, a general desire has been shown to honor this great benefactor, and likewise give to his widow some recognition of his service to mankind. An incorporation has been formed in Washington which is endeavoring to raise a fund of \$25,000, the income to be paid to his widow and the principal to be reserved for a permanent memorial in the city of Washington. The amount now subscribed is somewhat over \$16,000; by far the largest number of contributors are of the medical profession. There is one subscription of \$2,000, two of \$1,000, two of \$250, several of \$100, and many of less amount. The association in charge of this movement considers that the time has now come to appeal to a wider circle than has yet been reached and to ask their subscriptions.

Your support is respectfully solicited, and any amount that you may be disposed to contribute may be sent to the American Security and Trust Company of Washington, D. C., the president of which, Mr. Charles J. Bell, is treasurer of the fund. To complete the fund and cover incidental expenses, including a marble bust of Major Reed, \$10,000 is needed. The desire of the committee is to close the subscription before the end of this month. Communications should be addressed to the secretary at No. 1707 21st Street, N. W., Washington, D. C.

SCIENTIFIC NOTES AND NEWS.

At a meeting of the Royal Astronomical Society at Burlington House, London, on February 9, Ambassador Reid received the gold medal for 1905 conferred by the society