

Mr. vanDeist presented a preliminary report from the committee on Artesian Wells.

Mr. Pearce announced the discovery of several rare minerals among some copper-silver ores from the American Eagle mine, Tintic District, Utah Territory. Olivenite and conicalcite seemed to be quite certainly identified by partial analysis.

MEETING OF MAY 5th, 1884.

Mr. vanDiest read a paper entitled "The proposed inland Sea of Africa," descriptive of the regions to be flooded and the means by which this result was to be effected.

Mr. Cross gave a summary of the theories advanced in explanation of the red sunsets seen during the preceding winter.

Mr. Hillebrand communicated analyses of the olivenite and conicalcite presented by Mr. Pearce at the last meeting.*

Mr. Pearce announced that further examination of the material containing olivenite and conicalcite had shown the presence of several other minerals, partial analyses upon which gave results approximating closely to those given for chenevixite and pitticite in Dana's Syst. of Min. A mineral in minute, white needle-like prisms, contained approximately 38.6 per cent. As_2O_5 and 31.5 per cent. CaO, besides copper oxide and water. The material was quite insufficient for accurate estimation of these constituents or for further determinations. From the same locality a brown mineral in small crystals had been identified as jarosite, by crystallographic measurements. With this latter was associated turgite.

Mr. Pearce also presented specimens of a green mineral associated with the hübnerite of Phillipsburg, Montana Ter., which had been identified with the rare species pseudomalachite.

*For full details concerning these minerals and others mentioned by Mr. Pearce at this meeting, see paper read at the meeting of Dec., 1884, by W. F. Hillebrand, entitled "Mineralogical Notes."