

Vienna, he visited the zeolite localities of Scotland and the Faroe Islands. Later, he became interested in more general problems, one of which was the cause of the peculiar blue colour of rock-salt, and it was in this mineral that he discovered the phenomenon of piezopleochroism. More recently, he turned his whole attention, day and night, to the study of the colloidal forms of minerals, which appear to be of some importance in the products of weathering and in soils.

HANS CHRISTIAN ALBERT HAUSWALDT.

Dr. Hans Hauswaldt, a counsellor of commerce (Kommerzienrat) of Magdeburg, died on March 27, 1909. He possessed a private laboratory well equipped with instruments, in which he obtained a large number of beautiful photographs of the optical interference-phenomena of crystals and photo-micrographs illustrating various kinds of crystalline structure. Many of these photographs were published in his work 'Interferenz-Erscheinungen an doppeltbrechenden Krystallplatten im konvergenten polarisirten Licht' (Magdeburg: J. G. Hauswaldt, 1902, 1904, and 1907), the three portfolios of which contain a total of 185 magnificent quarto plates reproduced in black and white. In a posthumous publication, in conjunction with D. Vorländer, is given a series of nineteen plates of the interference-figures shown by liquid crystals (Abh. Leop. Carol. Akad. Halle, 1909, vol. xc).

REVIEWS.

Crystallography, an elementary manual for the laboratory. By Professor M. EDWARD WADSWORTH. Pp. xvi [+ xx] + 299, with 25 double plates. (Philadelphia: J. J. McVey. 1909. Price \$3.00).

This book is intended to give to students of geology and mining, as well as to prospectors, an idea of the forms of crystals, which will be of assistance to them in the determination of minerals in the field or laboratory. The detailed description of the forms of the six systems commences at p. 9 with the triclinic system, and ends at p. 147 with the isometric system. The student is then taken through the whole of this again three times in the succeeding chapters headed 'Crystallographic