

shearing stress at temperatures far below the normal fusion point. Some significant experiments were made on minerals in illustration of this. It was demonstrated that when calcite is lightly stroked with chamois leather a film of calcium carbonate glass is formed, and even a quartz surface may be liquefied at ordinary temperatures by rouge polishing. Beilby concludes that in solid flow a glass results wherever differential movement occurs.

Thus the production of rock glass in zones of severe shearing at temperatures far below the fusion points of the vitrified minerals is to be expected, and the descriptions given of many occurrences of pseudotachylite are in harmony with this mode of origin. With regard to the dispersion of the glass from its place of origin, it may be noted that under pressure glass will flow at temperatures well below the fusion points of the common rock-forming minerals, and a moderate increase of temperature due either to the friction or to a regional rise in temperature would make injection possible.

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## ANNOUNCEMENTS AND INQUIRIES.

PEACH AND HORNE MEMORIAL.—A project to perpetuate the memory of the late Drs. Peach and Horne has recently been inaugurated in Edinburgh. Benjamin Neeve Peach, LL.D., F.R.S., died in January, 1926, and his life-long friend and fellow-worker, John Horne, LL.D., F.R.S., followed him in May, 1928. In response to a widely expressed desire that the eminent services rendered to geology by these two distinguished scientists should be recognized in some appropriate form, a representative meeting was convened and has now decided to take steps to raise a joint memorial. The committee includes delegates from the Geological Survey of Great Britain, the Royal Scottish Museum, the Geological Departments of the Scottish Universities, and the following scientific societies with which Drs. Peach and Horne were most closely identified: Royal Society of Edinburgh, Royal Scottish Geographical Society, Royal Physical Society of Edinburgh, and the Geological Societies of Edinburgh and of Glasgow.

The committee proposes, with the concurrence of the authorities concerned, that the memorial take the form of a bronze plaque to be placed in a suitable position in the Royal Scottish Museum, Edinburgh, and of a commemorative inscription upon some conspicuous rock-face or boulder at one of the classical geological localities in the North-West Highlands. A fund has been opened to defray expenses and the committee has appointed Mr. M. Macgregor, Southpark, 19 Grange Terrace, Edinburgh, to receive and acknowledge all contributions.