

## CONTENTS.

### No. 4.

	Page.
Excerpt Minutes of Council ... ..	xiii, -xiv
SOBBY. On a simple method for determining the index of refraction of small portions of Transparent Minerals ... ..	97
CHURCH. Analysis of a Serpentine from Japan ... ..	99
HANNAY. On the Magnetic Constituents of Rocks and Minerals ... ..	101
HANNAY. Examination of the Hydrous Constituent in Minerals ... ..	106
HANNAY. On an easily constructed form of Reflecting Goniometer ... ..	110
DAVIES. Notes on Vanquelinite from Scotland, and Cantonite from Cornwall ... ..	112
COLLINS. Note on certain Black Quartz Crystals from Boscawell Downs, Cornwall ... ..	116
VIVIAN. Further notes on the Oxides of Iron, enclosed in Quartz, at Mwyndy, Glamorganshire ... ..	117
WARD. Notes on the Occurrence of Chlorite among the Lower Silurian Volcanic Rocks of the English Lake District ... ..	119
MELLO. Note on a peculiar form of Quartz Crystals from Australia ... ..	123
HOW. Notes on some North American Pyrrhotites, and other Minerals containing Nickel... ..	124
REVIEWS AND NOTICES ... ..	128

### NUMBERS 1, 2, and 3 CONTAIN

	Page.
Excerpt Minutes of Council, &c. ... ..	iii-xii
HALL. Note upon a portion of Basalt from Mid-Atlantic (Illustrated) ... ..	1
STODDART. Celestine in the Keuper marls... ..	4
FOSTER. New Minerals and Mineral localities in Cornwall and Devon ... ..	8
COLLINS. New Minerals from West Phoenix Mine, and from St. Agnes ... ..	11
COLLINS. Occurrence of Scorodite, Pharmacosiderite and Olivonite in Greenstone at Terras Mine, St. Stephens ... ..	16
VIVIAN. Paragenetic formations of carbonate of lime and oxide of iron, and of quartz and oxide of iron, at the Mwyndy iron mines, Glamorganshire (Illustrated) ... ..	18
FOSTER. New form of Blowpipe Lamp (Illustrated) ... ..	20
DUDGEON. Occurrence of Gold in the South of Scotland ... ..	21
HEDDLE. How and where to collect Minerals in Scotland ... ..	29
SOBBY. Consolidation of granitic rocks ... ..	41
HAUGHTON. Principle of least paste ... ..	46
CHURCH. An old Catalogue of Minerals (Illustrated) ... ..	48
CHURCH. Manganese in the Sea ... ..	50
LIVERSIDGE. Laumontite from New South Wales ... ..	54
COLLINS. Aehroite from Rock Hill (Illustrated) ... ..	55
HALL. The Val d' Anniviers ... ..	61
COLLINS. Gramenite from Smallacombe, and the Chloropal Group of Minerals ... ..	67
FOSTER. On some New Mineral Localities in Cornwall and Devon ... ..	73
FOSTER. A Defence of Turner's method of Detecting Boracic Acid ... ..	77
RUDLER. On two new species recently described by Prof. von Lasanx ... ..	81
READWIN. Note on Doubtful Minerals ... ..	84
HEDDLE. Analysis of Stilbite of an unusual form, from Farøe ... ..	91
CORRESPONDENCE AND ABSTRACTS ... ..	59
REVIEWS AND NOTICES. OBITUARY. — <i>David Forbes, F.R.S.</i> ... ..	93, 95