

CONTENTS OF No. 327, SEPTEMBER 1979

	<i>page</i>
M. DELIENS and P. PIRET: Ranunculite, $\text{AlH}(\text{UO}_2)(\text{PO}_4)(\text{OH})_3 \cdot 4\text{H}_2\text{O}$, a new mineral	321
P. B. MOORE, J. ITO, and I. M. STEELE: MacFallite and orientite: calcium manganese (III) silicates from upper Michigan	325
E. E. LACHOWSKI, L. W. MURRAY, and H. F. W. TAYLOR: Truscottite: composition and ionic substitutions	333
G. W. BRINDLEY: Motukoreaite—additional data and comparison with related minerals	337
L. VERGOUWEN: Two new occurrences and the Gibbs energy of burkeite	341
R. G. J. STRENS and B. J. WOOD: Diffuse reflectance spectra and optical properties of some iron and titanium oxides and oxyhydroxides	347
E. MURAD: Mössbauer spectra of goethite: evidence for structural imperfections	355
R. MUIR WOOD: The iron-rich blueschist facies minerals: 2. Howieite	363
A. C. BARNICOAT and M. J. O'HARA: High-temperature pyroxenes from an ironstone at Scourie, Sutherland	371
A. F. SEAGER: The origin of a tetrahedral diamond	377
R. A. IXER, C. J. STANLEY, and D. J. VAUGHAN: Cobalt-, nickel-, and iron-bearing sulpharsenides from the north of England	389
A. K. ALWAN and P. A. WILLIAMS: Nickeloan hydrozincite: a new variety	397
P. HENDERSON: Irregularities in patterns of element partition	399
A. MATTHEWS, R. D. BECKINSALE, and J. J. DURHAM: Oxygen isotope fractionation between rutile and water and geothermometry of metamorphic eclogites	405
E. R. D. SCOTT: Origin of anomalous iron meteorites	415
S. P. DAS GUPTA, P. R. SEN GUPTA, N. R. SEN GUPTA, D. R. DAS GUPTA, and A. DUBE: The Rewari meteorite	423
C. M. B. HENDERSON and D. TAYLOR: The thermal expansion of aluminate- and aluminogermanate-sodalites	429
G. S. TEALE: Margarite from the Olary Province of South Australia	433
A. T. RAO and K. V. S. ACHARYULU: Chromian actinolitic hornblende from the Eastern Ghats, India	437
A. T. RAO, C. V. RAMAN, and CH. S. PRAKASA RAO: Fluor-apatites from calc-silicate skarn vein contacts, Gondivalsa, Orissa, India	439
D. H. M. ALDERTON: Luxullianite <i>in situ</i> within the St. Austell granite, Cornwall—a discussion	441
C. J. LISTER: Luxullianite <i>in situ</i> within the St. Austell granite, Cornwall—a reply	442
A. KERR: The retrogressive breakdown of orthopyroxene in granulite-facies rocks, Sutherland	443
O. VON KNORRING, TH. G. SAHAMA, and J. SIIVOLA: Zincian staurolite from Uganda	446
D. J. MOORE: An unusual calcite from Muirshiel, Renfrewshire	446
K. WALENTA: New data for cuprotungstite	448
Book reviews	451