

## CONTENTS OF No. 329, MARCH 1980

	<i>page</i>
A. D. LAW and E. J. W. WHITTAKER: Rotated and extended model structures in amphiboles and pyroxenes	565
G. S. TEALE: The occurrence of hōgbomite and taaffeite in a spinel-phlogopite schist from the Mount Painter Province of South Australia	575
S. KUGE, M. KOIZUMI, Y. MIYAMOTO, H. TAKUBO, and S. KUME: Synthesis of prismatic and tabular diamond crystals	579
F. J. KRUGER: The occurrence of cebollite in kimberlite and included zeolitized crustal xenoliths	583
P. H. NIXON, R. H. MITCHELL, and N. W. ROGERS: Petrogenesis of alnöitic rocks from Malaita, Solomon Islands, Melanesia	587
W. D. BIRCH: Mineralogy of vesicles in an olivine leucitite at Cosgrove, Victoria, Australia	597
R. MUIR WOOD: The iron-rich blueschist-facies minerals: 3. Zussmanite and related minerals	605
G. W. BRINDLEY: Scarbroite, $Al_5(OH)_{13}CO_3 \cdot 5H_2O$ , compared with gibbsite and hydrotalcite	615
G. MASCOLO and O. MARINO: A new synthesis and characterization of magnesium-aluminium hydroxides	619
H. R. ROLLINSON: Iron-titanium oxides as an indicator of the role of the fluid phase during the cooling of granites metamorphosed to granulite grade	623
P. RASTALL, K. MC. CLARKE, and E. F. I. ROBERTS: The effects of surface damage and oxide films on the optical properties of cuprite	633
F. P. CESBRON and S. A. WILLIAMS: Apachite and gilalite, two new copper silicates from Christmas, Arizona	639
Z. A. ALJUBOURI and S. M. ALDABBAGH: Sinjarite, a new mineral from Iraq	643
K. A. RODGERS and M. H. HEY: On the type locality and other occurrences of awaruite ( $FeNi_3$ ) in Westland, New Zealand	647
M. J. VAN BERGEN: Grandidierite from aluminous metasedimentary xenoliths within acid volcanics, a first record in Italy	651
M. J. WORT and M. P. JONES: X-ray diffraction and magnetic studies of altered ilmenite and pseudorutile	659
A. K. ALWAN and P. A. WILLIAMS: The aqueous chemistry of uranium minerals. Part 2. Minerals of the liebigite group	665
F. SCORDARI: Structural considerations of some natural and artificial alkali iron hydrated sulphates	669
W. F. PRICE and D. K. BAILEY: A carbon dioxide-rich volatile phase in Mount Etna volcanism	675
A. V. PHADKE and L. K. KSHIRSAGAR: Thermal decomposition of okenite from India	677
D. J. DRYSDALE: Further evidence of the instability of $LiMnSi_2O_6$ at low pressure	679
P. J. DUNN: On the composition of some sarkinites	681
M. H. HEY: What was hydrophilite?	682
P. J. LOVELAND: Zoned glauconite from the Upper Greensand	682
Book reviews	685