

CONTENTS OF No. 297, MARCH 1972

| | <i>page</i> |
|--|-------------|
| SIDNEY A. WILLIAMS: Zapatalite, a new mineral from Sonora, Mexico | 541 |
| CLIFFORD FRONDEL: Jacob Forster (1739–1806) and his connections with forsterite and palladium | 545 |
| D. W. ROBBINS and R. G. J. STRENS: Charge-transfer in ferromagnesian silicates: The polarized electronic spectra of triocahedral micas | 551 |
| G. COCCO, L. FANFANI, A. NUNZI, and P. F. ZANAZZI: The crystal structure of dundasite | 564 |
| EVAN R. PHILLIPS, D. M. RANSOM, and R. H. VERNON: Myrmekite and muscovite developed by retrograde metamorphism at Broken Hill, New South Wales | 570 |
| J. B. WRIGHT: Natural garnet–pyroxene transformation in Cenozoic alkali basalt from Nigeria? | 579 |
| P. G. ROUXHET, J. L. GILLARD, and J. J. FRIPIAT: Thermal decomposition of amosite, crocidolite, and biotite | 583 |
| D. TAYLOR: The thermal expansion behaviour of the framework silicates | 593 |
| E. R. VANCE and B. W. ANDERSON: Study of metamict Ceylon zircons | 605 |
| J. A. T. SMELLIE: Preparation of glass standards for the use in X-ray microanalysis | 614 |
| G. I. Z. KALOCSAI and J. J. HOCKLEY: Titrimetric analysis for silicon | 618 |
| S. J. B. REED: The Oktibbeha County iron meteorite | 623 |
| D. R. A. RUSHTON: Arsenates of copper from Shetland | 626 |
| C. M. WAI and C. R. KNOWLES: The metal phase of the Bustee enstatite achondrite | 627 |
| D. TAYLOR: The relationship between Si–O distances and Si–O–Si bond angles in the silica polymorphs | 629 |
| E. CHRISTIAAN DE WYS and K. J. BHANSALI: Variations in optical properties of muscovite due to 70 KEV proton irradiation | 631 |
| E. CHRISTIAAN DE WYS: Corrections to the system anorthite–åkermanite–diopside by means of Gibb's free energy analyses of the systems anorthite–åkermanite and anorthite–diopside | 632 |
| E. CHRISTIAAN DE WYS: Additional data concerning the stability of åkermanite | 635 |
| PAUL C. MARX: Pyrrhotine and the origin of terrestrial diamonds | 636 |
| Book reviews | 639 |

UNIVERSITY PRESS, OXFORD, ENGLAND