

CONTENTS OF No. 305, MARCH 1974

	<i>page</i>
CECIL EDGAR TILLEY (1894–1973)	493
BERNARD E. LEAKE: The crystallization history and mechanism of emplacement of the western part of the Galway Granite, Connemara, Western Ireland	498
M. K. WELLS, A. C. S. SMITH, and J. F. W. BOWLES: Carbonate enrichment of a basic dyke, Ardnamurchan	514
E. F. STUMPFL and M. TARKIAN: Vincentite, a new palladium mineral from south-east Borneo	525
A. M. CLARK, A. J. CRIDDLE, and E. E. FEJER: Palladium arsenide-antimonides from Itabira, Minas Gerais, Brazil	528
R. NAWAZ: Killalaitite, a new mineral from Co. Sligo, Ireland	544
ROBERT B. FINKELMAN, HOWARD T. EVANS, JR., and JOHN J. MATZKO: Manganese minerals in geodes from Chihuahua, Mexico	549
T. ENDO, S. KUME, M. SHIMADA, and M. KOIZUMI: Synthesis of potassium manganese oxides under hydrothermal conditions	559
A. H. RANKIN and M. J. LE BAS: Nahcolite (NaHCO ₃) in inclusions in apatites from some E. African ijolites and carbonatites	564
MARIA S. ADUSUMILLI, C. KIEFT, and E. A. J. BURKE: Tantal-aeschynite, a new mineral of the aeschynite group of the Borborema region, north-eastern Brazil	571
P. J. BRIDGE and M. W. PRYCE; Magnesian collinsite from Milgun Station, Western Australia	577
GORDON M. BIGGAR: Oxygen partial pressures; control, variation, and measurement in quench furnaces at one atmosphere total pressure	580
J. JOCELYN and R. T. PIDGEON: Examples of twinning and parallel growth in zircons from some Precambrian granites and gneisses	587
E. RAMBALDI, E. JAGOUTZ, and J. T. WASSON: Bitburg—a group IB iron meteorite with silicate inclusions	595
K. HARADA, H. SEKINO, K. NAGASHIMA, T. WATANABE, and H. MOMOI: High-iron bustamite and fluorapatite from Broken Hill, New South Wales, Australia	601
A. M. CLARK: A tantalum-rich variety of sphene	605
M. J. WILSON: Hydrothermal formation and alteration of laumontite in hornblende schist near Huntly, Aberdeenshire	608
R. VAN TASSEL: X-ray powder data of rhomboclase	610
MILOŠ FREJVALD: Low-pressure re-metamorphism of granulite and orthogneiss complexes in the Křišťanov and Prachatice Massifs (southern Bohemia)	612
Book reviews	614