CONTENTS

JOHNSON, M. R. W. AND HARRIS, A. L. Dalradian–Arenig relations in parts of the Highland Border, Scotland, and their significance in the chronology of the Caledonian orogeny .................. 1

MATTHEWS, D. W. Zoned ultrabasic bodies in the Lewisian of the Moine Nappe in Skye .................. 17

MACDONALD, J. G. Variations within a Scottish Lower Carboniferous lava flow .................. 34

HARPER, C. T. The geological interpretation of potassium-argon ages of metamorphic rocks from the Scottish Caledonides .................. 46

O’HARA, M. J. AND YODER, H. S. JR. Formation and fractionation of basic magmas at high pressures .................. 67

ROLFE, W. D. IAN. Limb structure, affinity and diet of the Carboniferous ‘centipede’ Arthropleura .................. 118

GRIBBLE, C. D. The basic intrusive rocks of Caledonian age of the Haddo House and Arnage districts, Aberdeenshire 125

LETTERS

Hagshaw Hills Silurian inlier .................. 137