



THE
Mercian
Geologist

Vol. 8. No. 1.
November, 1980.

EAST MIDLANDS GEOLOGICAL SOCIETY

THE
MERCIAN
GEOLOGIST

Editor:

F. M. Taylor.

Volume 8

Number 1

November 1980

CONTENTS

		Page
WATSON, J.	Flaws in the continental crust. Foundation Lecture, 9th February, 1980	1
KELMAN, P.M.	The Lower Carboniferous volcanic rocks of the Ashover area, Derbyshire	11
CASTLEDEN, R.	The second and third terraces of the River Nene.	29
WALSH, P.T., COLLINS, P., IJTABA, M., NEWTON, J.P., SCOTT, N.H., TURNER, P.R.	Palaeocurrent directions and their bearing on the origin of the Brassington Formation (Miocene-Pliocene) of the Southern Pennines, Derbyshire, England.	47
JOSS, K.L.	The ammonite <i>Eparietites undaries</i> (Quenstedt) in the Lower Jurassic (Sinemurian) of Britain.	63
<u>Excursion Report</u>		
BRIDGES, P.H.	Excursion to the Dinantian carbonates of the Wirksworth-Crich area.	69
<u>Book Reviews</u>		
ANDERTON, R. <i>et al.</i>	A dynamic stratigraphy of the British Isles; a study in crustal evolution. Review by F.M. Taylor.	72
BURNS, T.L., & SPIEGEL, H.J.	Earth in crisis. Review by Edwina Cosgrove.	73
HALSTEAD, L.B.	The evolution and ecology of the Dinosaurs. The evolution of the Mammals. Combined review by W.A.S. Sarjeant.	74
<u>Secretary's Report</u>		
WRIGHT, W.M.	Secretary's Report 1978-79	77

THE EAST MIDLANDS GEOLOGICAL SOCIETY

Council 19 80/81

<u>President:</u>	Mrs. D.M. Morrow
<u>Vice-President:</u>	W.A. Cummins, Ph.D., B.Sc., F.G.S.
<u>Secretary:</u>	Mrs. W.M. Wright
<u>Treasurer:</u>	H.G. Fryer
<u>Editor:</u>	F.M. Taylor, Ph.D., F.G.S., M.I.Geol.
<u>Other Members:</u>	P.H. Bridges, Ph.D., B.Sc., F.G.S. Mrs. V.M. Croll, M.A. N.F.C. Hudson, Ph.D., B.Sc., A.K. James, B.Sc. T.H. Lineker P.I. Manning, T.D., B.Sc., F.G.S. S. Penn, B.Sc., F.I.C.E., F.G.S. J.H. Sykes Miss B. Whittaker

Associate Editors for Mercian Geologist:

P.G. Baker, P.H. Bridges, P.F. Jones
Derby Lonsdale College of Higher Education

Address for Correspondence,

General information,
membership details:

The Secretary,
East Midlands Geological Society,
311 Mansfield Road,
Redhill,
Arnold,
Nottingham

Tel. No. (0602) 267442

© - 1980 East Midlands Geological Society.

ISSN 0025 990X

Printed by the Nottingham University Press.

Front Cover: General view across the disused Green Clay Pit (Brassington Fm.)
to the Harboro' Rocks (dolomitised Carboniferous Limestone),
Carsington Pastures, Brassington, Derbyshire. (See article by
Walsh *et al.*, p.49 *et seq.* this issue.)