



THE  
*Mercian*  
*Geologist*

VOLUME 4, NUMBER 1.

September 1971



# THE MERCIAN GEOLOGIST

JOURNAL  
OF THE  
EAST MIDLANDS GEOLOGICAL SOCIETY

EDITOR:

*WILLIAM A. CUMMINS B.Sc. Ph.D. F.G.S.*

ASSISTED BY:

*DOROTHY M. MORROW, FRANK M. TAYLOR  
B.Sc. Ph.D. F.G.S.*

*R. JOHN A. TRAVIS*

VOLUME 4      NUMBER 1      SEPT. 1971



## CONTENTS

	Page
N.H. TREWIN	Potassium bentonites in the Wenlock Limestone of Shropshire. 1
Z. ALJUBOURI	Sedimentary structures preserved in fibrous gypsum near Gunthorpe Weir, Nottinghamshire. 9
J.H. SYKES	A new Dalatiid fish from the Rhaetic Bone Bed at Barnstone, Nottinghamshire. 13
F.M. TAYLOR R.E. ELLIOTT	Permo-Triassic stratigraphy of the Great Central Railway cutting, north west of Annesley Tunnel (SK 505550), Nottinghamshire. 23
G.J. WILSON	A chemical method for the palynological processing of chalk. 29
R.D. MORTON W.A.S. SARJEANT	Two supposed East Midland meteorites. I. The Yaddlethorpe (Lincolnshire) stone. 37
W.A.S. SARJEANT	Two supposed East Midlands meteorites. II. The Colston Bassett (Nottinghamshire) stone. 41
M.C. BOULTER	A survey of the Neogene flora from two Derbyshire pocket deposits. 45
Excursion Reports:-	
D.N. ROBINSON	Geology and Scenery of the Lincolnshire Wolds 63
G. WARRINGTON D.B. THOMPSON	The Triassic rocks of Alderley Edge, Cheshire. 69
Reviews	73
Secretary's Report	77

THE EAST MIDLANDS GEOLOGICAL SOCIETY

Council 1971/72

- President: F.M. Taylor, Ph.D., F.G.S., M.I.M.M.
- Vice-President: R.E. Elliott, B.Sc., F.G.S.
- Secretary: Mrs. D.M. Morrow.
- Treasurer: P.H. Speed, F.G.S.
- Editor: W.A. Cummins, B.Sc., Ph.D., F.G.S.
- Other Members: The Lord Energlyn, C. Eng., D.Sc., M.I. Min.E., M.I.M.M.,  
F.L.S., F.R.G.S., F.G.S.
- Mrs. M. Beaumont.
- G. Jago, A.C.S.M., C.Eng., M.I.M.M.
- E. Marriott.
- W.S. Moffatt, M.Sc., P.A.I.W.E.
- V.R. Paling, B.Sc.
- H.R. Potter.
- R.J.A. Travis.
- J.H. Sykes.
- I.D. Sutton, Ph.D., F.G.S.

Address for correspondence: The Secretary,  
East Midlands Geological Society,  
54 Cyprus Road,  
Mapperley Park,  
Nottingham, NG3 5EB.

Price of this issue: £1.75

Subscription rates and other information may be obtained from the Secretary.

The Front Cover: Photomicrograph of olivine dolerite from Waterswallows  
Quarry near Buxton, Derbyshire. X 300.