MERCIAN Geologist

VOLUME 17 PART 1 AUGUST 2008

East Midlands Geological Society

President John Travis
Vice-President Ian Thomas

Secretary Janet Slatter
Treasurer Colin Bagshaw

Editorial Board
Tony Waltham, John Carney, Alan Filmer, Andy Howard, Tony Morris, Gerry Slavin

Council
David Bate, Tim Colman, Paul Guion, Richard Hamblin, Sue Miles, Judy Rigby, Duncan Short, Gerry Slavin, Ian Sutton, John Wolfe

Correspondence
The Secretary, E.M.G.S., 100 Main Street,
Long Whatton, Loughborough LE12 5DG
01509 843297 secretary@emgs.org.uk

Mercian Geologist is printed by John Browns, and is published by the East Midlands Geological Society.

No part of this publication may be reproduced in printed or electronic medium without the prior consent of the Society.

© 2008 East Midlands Geological Society

Registered Charity No. 503617

Front cover: Chatsworth House, in Derbyshire, seen beyond its bridge across the River Derwent. See the report on page 27. Photo: Tony Waltham.

Back cover: A few of the ornamental stones, building stones and minerals from Chatsworth House, taken from the report on pages 27-42.

Contents

Mercian News 2
Geobrowser 3
The National Stone Centre 5
The Record 6
Members' Evening, 2008 7

Peter Worsley 11
Pleistocene and Flandrian natural rock salt subsidence at Arclid Green, Sandbach, Cheshire

John Jones 19
The Big Hole of Starkholmes

Michael J.Czajkowski 23
Formation of St. John's Hill, Gruczno, Poland

Ian Thomas and Mick Cooper 27
The geology of Chatsworth House, Derbyshire

John Carney, John Aram and Tony Waltham 43
Two notable earthquakes in 2008

Reports

Lincolnshire plesiosaurs: John Aram 48
Black cave pearls: John Jones 50
Update on Charnian Fossils: Helen Boynton 51
Valle de la Luna, Chile: Alan Filmer 54
Strokkur, Iceland: Tony Waltham 55
Excursion - Midlands oilfields: Paul Guion 56
Lecture - Marie Stopes: Howard Falcon-Long 61
Book Reviews 63
Theme review - Charnia: Trevor Ford 66
Bibliography of Nottingham's caves 68