

GEOLOGICAL MAGAZINE

with which is incorporated

THE GEOLOGIST

Founded in 1864 by the late Dr. Henry Woodward, F.R.S.



MARCH - APRIL, 1942



Subscription
36/- per annum

STEPHEN AUSTIN & SONS, LTD
1 FORE STREET, HERTFORD, HERTS

WANTED.—Copy of *Geological Magazine*, July, 1920.—STEPHEN AUSTIN & SONS,
LTD., 1 Fore Street, Hertford.

The Geological Magazine

Bound volumes are better than loose parts.
Send your *Geological Magazine* to be bound
in attractive green cloth covers, 6s. (postage
7d. extra); cloth cases only, 3s. (postage
3d. extra).

Back numbers of the *Geological Magazine*
from 1865–1939, with a few exceptions,
and also bound volumes can be obtained
from the Publishers. A few copies of the
Geologist, 1858–1864, are also available.

STEPHEN AUSTIN & SONS, LTD.
1 FORE STREET, HERTFORD

THE
GEOLOGICAL MAGAZINE

VOL. LXXIX OF WHOLE SERIES

JANUARY-DECEMBER, 1942

JANUARY-DECEMBER, 1942

THE
GEOLOGICAL MAGAZINE

VOL. LXXIX OF WHOLE SERIES

JANUARY-DECEMBER, 1942

GEOLOGICAL MAGAZINE

with which is incorporated

THE GEOLOGIST

FOUNDED IN 1864 BY THE LATE DR. HENRY WOODWARD, F.R.S.

Edited by

R. H. RASTALL, M.A., Sc.D.

and

O. M. B. BULMAN, Sc.D., A.R.C.Sc., F.R.S.

assisted by

PROFESSOR W. S. BOULTON, D.Sc.	PROFESSOR C. E. TILLEY, Ph.D., F.R.S.
PROFESSOR W. G. FEARNSIDES, M.A., F.R.S.	PROFESSOR W. W. WATTS, Sc.D., LL.D., M.Sc., F.R.S.
SIR THOMAS H. HOLLAND, K.C.S.I., D.Sc., F.R.S.	HENRY WOODS, M.A., F.R.S.
PROFESSOR O. T. JONES, M.A., D.Sc., F.R.S.	SIR A. SMITH WOODWARD, LL.D., F.R.S.

Vol. LXXIX of Whole Series

JANUARY—DECEMBER, 1942

STEPHEN AUSTIN & SONS, LTD

1 FORE STREET, HERTFORD, HERTS

HERTFORD
STEPHEN AUSTIN AND SONS, LTD.

CONTENTS OF VOLUME LXXIX, 1942

No. 1	JANUARY—FEBRUARY	PAGE
S. I. TOMKEIEFF. The Tertiary Lavas of Rum		1
S. I. TOMKEIEFF and K. B. BLACKBURN. On the Remains of Fossil Wood Enclosed in a Tertiary Lava on the Isle of Rum, Inner Hebrides		14
J. M. EDMONDS. The Distribution of the Kordofan Sand (Anglo-Egyptian Sudan)		18
G. L. ELLES. The Type Specimen of <i>Monograptus sedgwicki</i> (Portlock)		31
ROBERT AITKEN. The Sierra de la Demanda (Burgos, Spain): Note on the Tectonics of the Northern Margin		33
H. DIGHTON THOMAS. On Fossils from Antigua, and the Age of the Seaforth Limestone		49
R. M. BRYDONE. On Some Recently Described Cretaceous Cheilostomatous Polyzoa		62
C. W. and E. V. WRIGHT. Note on the Lower Albian at Leighton Buzzard		65
B. N. TEMPERLEY. Some Problems of the Archaean Rocks of Tanganyika Territory		67
P. E. KENT. A Note on Pleistocene Deposits near Lake Manyara, Tanganyika		72

CORRESPONDENCE.—Trap, 77.

REVIEWS.—Geology of the Appleby District, 78 ; Geological map of the British Islands, based on the work of the Geological Survey, 79.

ANNOUNCEMENT.—Clough Memorial Research Fund, 80.

No. 2	MARCH—APRIL	
D. M. S. WATSON. On Permian and Triassic Tetrapods		81
P. E. KENT. The Pleistocene Beds of Kanam and Kanjera, Kavirondo, Kenya		117
W. A. MACFADYEN. A Post-glacial Microfauna from Swansea Docks		133
G. D. HOBSON. Construction of Perspective Drawings from Contoured Maps by means of a Camera Lucida		147

CORRESPONDENCE.—Glacial Drifts, 153 ; Sponge Spicules in Rhyolitic Ashes, 155 ; Varves, 158.

REVIEWS.—Dolomite and Brucite-Marble, 159 ; Lake and Rastall's Textbook of Geology, 159.

No. 3	MAY—JUNE	
C. T. TRECHMANN. Metasomatism and Intrusion in Jamaica		161
MURIEL A. ARBER. The Pseudodeltidium of the Strophomenid Brachiopods		179
O. T. JONES. The Structure of the Edale, Mam Tor and Castleton Area		188
E. GREENLY. The Tectonics of Tregarth		196
J. A. HUNT. Geology of the Zeila Plain, British Somaliland		197

CORRESPONDENCE.—Glacial Drifts, 202 ; The Geomorphology of British Guiana, 203.

REVIEWS.—Geological Survey Wartime Pamphlets, 207 ; Contributions to a Knowledge of the Lead and Zinc Deposits of the Mississippi Valley Region, 208 ; The Geology of the Leicestershire and South Derbyshire Coalfield, 208.

No. 4	JULY—AUGUST	PAGE
D. F. W. BADEN-POWELL and J. REID MOIR. On a New Palaeolithic Industry from the Norfolk Coast		209
W. ANDERSON and J. A. SMYTHE. An Occurrence of Millerite in the Durham Coal Measures		220
ARTHUR HOLMES. A Heteromorph of Venanzite		225
G. M. STOCKLEY. The Geology of the Zanzibar Protectorate and its relation to the East African Mainland		233
C. A. MATLEY and FRANK RAW. A Road Section near Guy's Hill, Jamaica		241
A. T. J. DOLLAR. Laminar Moulds in Cellulose Acetate for the Study of Rock and Mineral Structures		253
REVIEWS.—Geological Survey Wartime Pamphlets, 255 ; United States Geological Survey, Bulletin 922, 1940–41, 256.		

No. 5	SEPTEMBER—OCTOBER	
R. G. S. HUDSON. <i>Fasciculophyllum</i> Thomson and other genera of the " <i>Zaphrentis</i> " <i>omaliusi</i> group of Carboniferous Corals		257
L. F. SPATH. The Ammonite Zones of the Lias		264
JAMES WRIGHT. New British Carboniferous Crinoids		269
O. M. B. BULMAN. The Structure of the Dendroid Graptolites		284
HAROLD JEFFREYS. On the Mechanics of Faulting		291
CORRESPONDENCE.—Microfauna of the Chalk, 296.		
REVIEW.—The Fossils of the Yorkshire Lias, 296.		

No. 6	NOVEMBER—DECEMBER	
E. M. PATTERSON. A Xenolithic Minor Intrusion at Slievenagriddle, County Down		297
A. E. TRUEMAN. Supposed Commensalism of Carboniferous Spirorbids and certain Non-marine Lamellibranchs		312
CURT TEICHERT. Gangamopteris in the Marine Permian of Western Australia		321
E. GREENLY. The Later Igneous Rocks of Arvon		328
CORRESPONDENCE.—On Permian and Triassic Tetrapods, 332		
REVIEWS.—Landscape : As Developed by the Processes of Normal Erosion, 334 ; The Paleozoic and Related Rocks of Southeastern Minnesota, 335.		
INDEX.—337.		