

# IRAQ

VOLUME XXXIV · PART 2 · AUTUMN 1972

THE EXCAVATIONS AT TELL AL RIMAH, 1971 <i>by</i> DAVID OATES	77
THE NEO-ASSYRIAN COURT AND ARMY: EVIDENCE FROM THE SCULPTURES <i>by</i> J. E. READE	87
THE ARCHAEOLOGICAL USES OF CUNEIFORM DOCU- MENTS <i>by</i> MCGUIRE GIBSON	113
SEALS FROM THE HUTCHINSON COLLECTION <i>by</i> STEPHANIE DALLEY	125
SOME ARAMAIC EPIGRAPHS <i>by</i> A. R. MILLARD	131
EXCAVATIONS IN IRAQ	139

PUBLISHED BY THE  
BRITISH SCHOOL OF ARCHAEOLOGY IN IRAQ

(GERTRUDE BELL MEMORIAL)

31-34 Gordon Square, London, WC1H 0PY

*Price* £2.50 net.

# THE BRITISH SCHOOL OF ARCHAEOLOGY IN IRAQ

(GERTRUDE BELL MEMORIAL)

A list of the Officers of the School is printed on the inside of the back cover of this Journal.

## *Enquiries*

All correspondence relating to membership and the work of the School should be addressed to the Honorary Secretary (Miss G. C. Talbot, M.A.), 31-34 Gordon Square, London, WC1H 0PY.

## *Journal*

*IRAQ* is devoted to studies of the history, art, archaeology, religion, economic and social life of Iraq, and to a lesser degree of the neighbouring countries where they relate to it, from the earliest times down to about A.D. 1700. Texts concerning these subjects, with translations and comments, will be considered; exclusively philological articles will not be accepted.

## *Contributors*

Articles must be submitted in typescript. For oriental languages, transcription into the Roman script should follow the approved system as laid down in the "Notes to Contributors" which will be sent on application. Illustrations should be submitted as clear prints of photographs or strong outline drawings in ink.

Abbreviations follow those currently accepted in the journals *Orientalia* and *Archiv für Orientforschung*.

Articles should be sent to the Editors,

Professor D. J. WISEMAN, O.B.E., M.A., D.LIT., F.B.A., F.S.A.,

J. D. HAWKINS, M.A.,

SCHOOL OF ORIENTAL AND AFRICAN STUDIES,

UNIVERSITY OF LONDON, WC1E 7HP

## *Subscriptions*

*IRAQ* normally appears twice yearly in the Spring and Autumn. Annual subscription for the two parts of current volumes is £3.25 prepaid. Single parts of the current volume £2.50.

Back volumes (comprising two parts) £5, postage extra. Back numbers of single parts £2.50, postage extra. Bankers Order forms available on application.

*IRAQ* may be ordered through booksellers or direct from the publishers:

BRITISH SCHOOL OF ARCHAEOLOGY IN IRAQ, 31-34 GORDON SQUARE, LONDON, WC1H 0PY.

# IRAQ

VOLUME XXXIV

PUBLISHED BY THE  
BRITISH SCHOOL OF ARCHAEOLOGY IN IRAQ

(GERTRUDE BELL MEMORIAL)

31-34 Gordon Square  
London, W.C.1

1972

# CONTENTS

	PAGE
OBITUARY: SIR JOHN TROUTBECK	
UMM DABAGHIYAH 1971: A PRELIMINARY REPORT, <i>by</i> Diana Kirkbride	3
TRACES OF PLANTS IN THE EARLY CERAMIC SITE OF UMM DABAGHIYAH, <i>by</i> Hans Helbaek	17
A LETTER FROM ŠAMAŠ-ŠUMU-UKĪN TO ESARHADDON <i>by</i> Simo Parpola	21
SAMARRAN IRRIGATION AGRICULTURE AT CHOGA MAMI, <i>by</i> Hans Helbaek	35
A RADIOCARBON DATE FROM CHOGA MAMI, <i>by</i> Joan Oates	49
SOME COMMENTS ON ARCHIVE KEEPING AT MARI, <i>by</i> J. M. Sasson	55
A NOTE ON THE GEOMORPHOLOGY OF THE COUNTRY NEAR UMM DABAGHIYAH, <i>by</i> Peter Dorrell	69
SOME SUMERIAN STATUES IN THE IRAQ MUSEUM, <i>by</i> Lamia Al-Gailani	73
THE EXCAVATIONS AT TELL AL RIMAH, 1971, <i>by</i> David Oates	77
THE NEO-ASSYRIAN COURT AND ARMY: EVIDENCE FROM THE SCULPTURES, <i>by</i> J. E. Reade	87
THE ARCHAEOLOGICAL USES OF CUNEIFORM DOCUMENTS, <i>by</i> McGuire Gibson	113
SEALS FROM THE HUTCHINSON COLLECTION, <i>by</i> Stephanie Dalley	125
SOME ARAMAIC EPIGRAPHS, <i>by</i> A. R. Millard	131
EXCAVATIONS IN IRAQ	139

## LIST OF PLATES

	FACING PAGE
I-XVIII. Umm Dabaghiyah, 1971:—	
I. Section of Squares H 1 and J 1 .. .. .	4
II. a. Section of Square J 1 .. .. .	5
b. Sketch map showing position of Umm Dabaghiyah .. .. .	5
III. a. Phase 11. Structures of curving plan .. .. .	6
b. Phase 8. Two rectangular houses .. .. .	6
IV. a. Phase 7. Courtyard structures and Basin .. .. .	after 6
b. Phase 5. Mud brick slabs from pavement .. .. .	„ 6
V. a. Phase 6. Pear-shaped structure .. .. .	„ 6
b. Crouched burial .. .. .	„ 6
VI. a. Gypsum basket lining .. .. .	7
b. Gypsum pot lid .. .. .	7
c. Sherds with applied decoration .. .. .	7

LIST OF PLATES

	FACING PAGE
VII. Selection of small finds .. .. .	8
VIII. Terracotta female figurine .. .. .	.. after 8
IX. <i>a-d</i> . Two broken figurines .. .. .	.. ,, 8
X. Selection of painted sherds .. .. .	.. ,, 8
XI. Sherds with applied decoration .. .. .	.. ,, 8
XII. Selection of pottery forms .. .. .	.. ,, 8
XIII. <i>a-d</i> . Four bowl types .. .. .	.. 10
XIV. <i>a-c</i> . Three vessels, "double-ogee" type .. .. .	.. after 10
XV. <i>a</i> . Small bowl .. .. .	.. ,, 10
<i>b</i> . Fragment of husking tray .. .. .	.. ,, 10
<i>c-d</i> . Simple deep bowls .. .. .	.. ,, 10
XVI. <i>a-b</i> . Phase 3 bowls .. .. .	.. ,, 10
XVII. Selected flints .. .. .	.. ,, 10
XVIII. Selected flints .. .. .	.. 11
XIX. Letter from Šamaš-šumu-ukin:—	
Photograph and copy .. .. .	22
XX-XXI. Geomorphology of Umm Dabaghiyah:—	
XX. Linear erosion channels .. .. .	70
XXI. Drying patterns .. .. .	71
XXII-XXIV. Some Sumerian Statues:—	
XXII. <i>a-b</i> . Statue of youth .. .. .	74
<i>c</i> . Statue of worshipper .. .. .	74
XXIII. <i>a-b</i> . Male figure .. .. .	.. after 74
<i>c-d</i> . Female figure .. .. .	.. ,, 74
XXIV. Statue of seated female .. .. .	.. ,, 74
XXV-XXXII. Excavations at Tell al Rimah, 1971:—	
XXV. Plan of Palace .. .. .	78
XXVI. Reconstruction of Palace .. .. .	.. after 78
XXVII. Plan of buildings, Phases 1-2 .. .. .	.. ,, 78
XXVIII. Reconstruction of reception suite .. .. .	.. ,, 78
XXIX. <i>a</i> . Tell al Rimah, watercourse .. .. .	.. ,, 78
<i>b</i> . Extension of excavations .. .. .	.. ,, 78
XXX. <i>a</i> . Ante-chamber, Phase 3 .. .. .	.. ,, 78
<i>b</i> . Throne-room, Phase 3 .. .. .	.. ,, 78
XXXI. <i>a-c</i> . Construction of reception suite .. .. .	.. ,, 78
XXXII. <i>a-c</i> . Pottery from mid-IIInd millennium levels .. .. .	79
XXXIII-XL. Neo-Assyrian Court and Army:—	
XXXIII. <i>a</i> . Attendant with genie (Aššurnaširpal) .. .. .	.. after 96
<i>b</i> . King with genie (Aššurnaširpal) .. .. .	.. ,, 96
XXXIV. <i>a</i> . Royal attendants (Aššurnaširpal) .. .. .	.. ,, 96
<i>b</i> . Royal attendants (Sennacherib) .. .. .	.. ,, 96
XXXV. <i>a</i> . Eunuch officials (Aššurnaširpal) .. .. .	.. ,, 96
<i>b</i> . Assyrian groom (Aššurbanipal?) .. .. .	.. ,, 96
XXXVI. <i>a</i> . Eunuch in cavalry (Sennacherib) .. .. .	.. ,, 96
<i>b</i> . Assyrian cavalry (Sennacherib) .. .. .	.. ,, 96

LIST OF PLATES

	FACING PAGE
XXXVII. <i>a.</i> Cavalry and spearmen (Sennacherib) .. .. .	after 96
<i>b.</i> Assyrian spearmen (Sin-šarru-iškun?) .. .. .	,, 96
XXXVIII. <i>a.</i> Assyrian archers (Sennacherib?) .. .. .	,, 96
<i>b.</i> Auxiliary archers (Aššurbanipal) .. .. .	,, 96
XXXIX. <i>a.</i> Assyrian soldier (Aššurbanipal) .. .. .	,, 96
<i>b.</i> Eunuch labourer (Sennacherib) .. .. .	,, 96
<i>c.</i> Assyrian horsemen (Sennacherib) .. .. .	,, 96
XL. <i>a.</i> Assyrian soldiers (Aššurbanipal?) .. .. .	,, 96
<i>b.</i> Auxiliaries and Assyrian cavalry (Esarhaddon?) .. .. .	96
XLI-XLVIII. Archaeological Uses of Cuneiform Documents:—	
XLI. Kish Survey Area .. .. .	114
XLII. City of Kish, after Mackay .. .. .	after 114
XLIII. City of Kish, Gibson survey .. .. .	,, 114
XLIV. Site of Kish, surface sherd survey .. .. .	,, 114
XLV. Site of Kish, surface sherd survey .. .. .	,, 114
XLVI. Site of Kish, surface sherd survey .. .. .	115
XLVII. Mesopotamian Alluvial Plain, watercourses .. .. .	118
XLVIII. Excavations at Ingharra, 1931-32 .. .. .	119
XLIX-LII. Seals from the Hutchinson collection .. .. .	129
LIII-LIV. Some Aramaic Epigraphs:—	
LIII. <i>a-b.</i> ND 2346, photograph .. .. .	132
<i>c.</i> ND 2347, photograph .. .. .	132
<i>d-f.</i> ND 2348, photographs .. .. .	132
LIV. <i>a.</i> BM 121043, photograph .. .. .	133
<i>b.</i> BM 123369, photograph .. .. .	133
<i>c.</i> Manchester tablet, photograph .. .. .	133
LV. Excavations in Iraq, 1971-72 .. .. .	139

LIST OF ILLUSTRATIONS IN THE TEXT

	ON PAGE
Some Aramaic Epigraphs	
Fig. 1. ND 2346, tracing of Aramaic .. .. .	131
Fig. 2. ND 2347, tracing of Aramaic .. .. .	132
Fig. 3. <i>a.</i> ND 2348, cuneiform text .. .. .	132
<i>b.</i> ND 2348, tracing of Aramaic .. .. .	132
Fig. 4. BM 121043, tracing of Aramaic .. .. .	133
Fig. 5. BM 123369, tracing of Aramaic .. .. .	134
Fig. 6. Manchester tablet, tracing of Aramaic .. .. .	134
Fig. 7. Manchester tablet, cuneiform text .. .. .	135