# THE JOURNAL OF THE ARCHAEOLOGICAL INSTITUTE OF AMERICA

#### Archaeological Institute of America

### AMERICAN

## JOURNAL OF ARCHAEOLOGY

#### Becond Beries

## THE JOURNAL OF THE ARCHAEOLOGICAL INSTITUTE OF AMERICA

VOLUME III

1899



NORWOOD, MASS.

PUBLISHED FOR THE INSTITUTE BY

The Norwood Press

NEW YORK: THE MACMILLAN COMPANY

LONDON: MACMILLAN & CO., Ltd.

## American Journal of Archaeology

SECOND SERIES

THE JOURNAL OF THE ARCHAEOLOGICAL INSTITUTE OF AMERICA

Vol. III, 1899

#### Editorial Board

#### Editor-in-Chief

#### JOHN HENRY WRIGHT,

Professor in Harvard University.

#### Associate Editors

JAMES R. WHEELER (for the American School at Athens),
Professor in Columbia University.

ALLAN MARQUAND (for the American School in Rome),
Professor in Princeton University.

HAROLD N. FOWLER,

Professor in Western Reserve University.

HENRY W. HAYNES,

Late Professor in the University of Vermont.

#### Honorary Editors

JOHN WILLIAMS WHITE (President of the Institute),
Professor in Harvard University.

THOMAS DAY SEYMOUR (Chairman of the Managing Committee of the School at Athens),

Professor in Yale University.

WM. GARDNER HALE (Chairman of the Managing Committee of the School in Rome),

Professor in the University of Chicago.

#### Editorial Contributors

Miss Mary H. Buckingham, Classical Archaeology.

Professor Henry E. Burton, Roman Archaeology.

Professor James C. Egbert, Jr., Roman Epigraphy.

Professor Elmer T. Merrill,
Roman Archaeology.

Dr. George N. Olcott,

Numismatics.

Professor James M. Paton, Classical Archaeology.

Dr. George A. Reisner, Oriental Archaeology.

Professor Herbert Weir Smyth, Greek Epigraphy.

#### CONTENTS

		PAGE
	Council of the Archaeological Institute of America	ix
	Officers of the Affiliated Societies	xi
	Managing Committee of the School at Athens	xv
	Managing Committee of the School in Rome	xvii
	Foreign Honorary Members of the Institute	XX
A	Archaeological Institute of America:	
	Twentieth Annual Report of the Council, 1898-99.	
	— John Williams White, President	657
	Hittite Gods in Hittite Art. — W. H. WARD	1
	The Gilt-Bronze Tiles of the Pantheon. — F. G. Moore	40
	An Altar-Piece by Girolamo da Cremona (Plate II). — B. Berenson	161
	An Achilles Relief at Achouria (Plate III). — W. N. BATES	177
	An Archaeological Study of the Antigone of Euripides.	4
	—J. H. Huddilston	163
	A Vase in Chicago Representing the Madness of Athamas (Plate IV)	
	E. A. GARDNER	331
A	American School of Classical Studies at Athens:	
	Eighteenth Annual Report of the Managing Committee, 1898-99.	
	— THOMAS DAY SEYMOUR, Chairman	667
	Report of the Director, 1898-99. — R. B. RICHARDSON	679
	An Attic Lease Inscription (Plate I). — G. D. Lord	44
	Athena Polias on the Acropolis of Athens. — A. S. Cooley	345
	The Metopes of the West End of the Parthenon (Plates V, VI).	
	-W. S. EBERSOLE	409
A	AMERICAN SCHOOL OF CLASSICAL STUDIES IN ROME:	
	Fourth Annual Report of the Managing Committee, 1898-99.	
	- WILLIAM GARDNER HALE, Chairman	687
	Report of the Director, 1898-99. — TRACY PECK	702
	The Pupus Torquatianus Inscription.—F. B. R. Hellems	202
	The Principal Manuscripts of the Fasti of Ovid. — Gordon J. Laing	212
	Some Unpublished Inscriptions from Rome.—G. N. Olcott	229
	The state of the s	440

Archaeological News and Discussions (March, 1898–June, 1899).  — H. N. Fowler, Editor:	PAGE
NEWS OF EXCAVATIONS; OTHER NEWS	55
Byzantine and Mediaeval Art: — Turkey, 97, 276; Cyprus, 97; Thrace, 97; Austria, 98; Italy, 98, 585; France, 100, 587; Belgium, 101, 589; Switzerland, 589; Germany, 589; Greece, 276; Algiers, 590; England, 102, 277, 589; Ireland, 106.  Renaissance Art: — Italy, 106, 591; France, 109, 593; Belgium,	
593; England, 593; Austria-Hungary, 110, 594; Germany, 110, 594; Holland, 110; Ghent, 277; United States, 594.	
Summaries of articles in periodicals (March, 1898–June, 1899) Oriental, Classical, and Christian Archaeology: — General, 112, 278, 595; Egypt, 113, 280, 597; Babylonia, 598; Asia, 115; Assyria, 282; Phoenicia and Palestine, 282, 599; Punic Africa, 117, 284; Asia Minor, 285, 599; Greece, 117, 287, 602 (Architecture, 117, 287, 602; Sculpture, 118, 289, 604; Vases and Painting, 125, 300, 608; Inscriptions, 129, 305, 613; Coins, 136, 312, 622; Miscellaneous, 137, 313, 623); Italy, 140, 317, 630 (Architecture, 317; Sculpture, 140, 318, 630; Vases and Painting, 140, 319, 631; Inscriptions, 143, 319, 632; Coins, 320, 633; Miscellaneous, 144, 320, 634); Spain, 146, 638; France, 147, 322, 637; Germany, 148; England, 149; Switzerland, 322; Bulgaria, 149, 322; Turkey, 149; Dalmatia, 323; Africa, 323.	112
Early Christian, Byzantine, and Mediaeval Art: — General, 150, 639; Cyprus, 642; Turkey, 150; Dalmatia, 151; Italy, 151, 642; Spain, 643; Russia, 323; Greece, 324; Africa, 324; France, 152, 325, 644; Germany, 154, 645; Austria-Hungary, 154, 645; Poland, 155; Hol- land, 155; Belgium, 325, 645; England, 325, 646; Ireland, 647.	
Renaissance Art: — Italy, 155, 647; Spain, 650; France, 651; Belgium, 651; Holland, 652; Germany, 156, 653; Austria-Hungary, 157, 654; England, 157, 326, 655.	

CONTEN	TS				$\mathbf{v}$	
1000)	TT	<b>X</b> r	F	77.124	PAGE	

BIBLIOGRAPHY (July-Decem	ber, 189	9).—	H. N.	For	WLER	, Ed	itor	. 43
General and Miscellaneous								. 48
Egyptian Archaeology.								. 44
Oriental Archaeology .								. 4
Classical Archaeology .								. 4
Greek and Roman .								
Greek (I, General and I								
III, Sculpture, 464;								
tions, 467; VI, Coins,								
Roman (I, General and								
III, Sculpture, 486;								-
tions, 489; VI, Coins,	,	•	• .	•		•		. 4'
Christian Art (I, General and Miscella		•	•	•	•	•		. 49
498; III, Renaissance	, 503.)							
	BUL	LETI	N					
Annual Reports of the Cour	ncil of th	ne Inst	itute	and	of th	ie Sc	hools	at
Athens and Rome, 189								•
Archaeological Institute of								
Council of the Institute,			•				•	•
Members of the Institut								
Foreign Honorary Me Members of the Affilia	mbers.	. ,. •		, •				
Members of the Affilia	ated Soc	ieties,	— Bos	ston,	New	Yor	k, Ba	ltı-
more, Pennsylvania Connecticut	_				consii	ı, CI	evelar	
Regulations of the Insti	 tuto 190		•		•	•	•	
Rules of the Affiliated S					•	•	•	
Financial Statement, 18	,			•	·		:	
,					•	•	•	•
American School of Classic								
Managing Committee, 1							•	•
Colleges Coöperating in					01, 18	99–1	900	•
Trustees of the School, 1 Managing Committee ar					•	•	•	•
Faculty and Students, 1					•	.•	•	
Fellows and Students, 1			•	•	•	•	•	•
Regulations, 1899 .					• :	•	•	
Financial Statement, 18			•	•	٠.	•	•	
Contributors to the Scho			•	•	•	•	•	
	ഫി. 1898	_99						
				•	•	•	•	
Fellowships for 1900-19	01 .					•	•	
	01 . ions, 190	00 .			•	•	•	

vi *CONTENTS* 

American School of Classical Studies in F	Rome	a •					PAGE
Managing Committee, 1899–1900 .							7
Colleges Cooperating in the Support of	$_{ m the}$	Schoo	ol, 18	99–1	900		9
Theological Schools Cooperating in the	Mai	ntena	nce o	f the	Felle	ow-	
ship in Christian Archaeology .							9
Faculty and Students, 1898-99 .							53
Fellows and Students, 1895-1900 .							54
Regulations of the School, 1899-1900							74
Financial Statement, 1898-99							82
Contributors to the School, 1898-99							86
Fellowships for 1900–1901							98
Fellowship Examinations, 1900 .							112
Examination Papers for Fellowships,	189	9.					114
Circular of Information for Students							120
Publications, 1879–99							89
Casts, Photographs, and Lantern Slides							97

#### PLATES

						PAGE
I.	An Attic Lease Inscription		,	,		44
II.	An Altar-Piece by Girolamo da Cremona at Viterbo					161
III.	An Achilles Relief at Achouria					177
	A Vase in Chicago Representing the Madness of Atla					
	Metope from the West End of the Parthenon: No. I					
VI.	Metope from the West End of the Parthenon: No. X	IV (	Micha	ielis)	•	425

#### ILLUSTRATIONS IN TEXT

Hittite Resheph from Egypt	3
Hittite Kadesh from Egypt	3
Relief at Boghaz-Keui : Procession	5
Relief at Boghaz-Keui: Goddess and King	6
Relief at Boghaz-Keui: King with Winged Disk	ő
Assyrian Cylinder: Ishtar and Adar: Other Figures. From Lajard, pl. xxx, 7	8
Ishtar and Adar on a Cylinder belonging to the British Museum	8
Ishtar on a Babylonian Cylinder in the British Museum	9
Relief at Eyük: Gilgamesh	12
Relief from Eyük: Seated Goddess	12
Relief at Carchemish: Hittite Goddess. From a Photograph by W. H. Ward	
Relief at Carchemish: Zarpanit. From a Photograph by W. H. Ward .	13
Egyptian Gods on a Cylinder belonging to M. De Clerco	14
Egyptian Gods on an Assyrian Cylinder belonging to M. De Clercq	14
Egyptian Gods on an Assyrian Cylinder belonging to M. De Clercq	15
Cylinder, with Bilingual Inscription (Hittite and Babylonian), belonging	
to the Ashmolean Museum, Oxford	16
Hittite Cylinder (copper) belonging to the Metropolitan Museum, New York	16
Hittite Cylinder (chalcedony) belonging to W. H. Ward: Hittite Gods .	17
Cylinder belonging to W. H. Ward: Nehushtan	18
Cylinder belonging to the Berlin Museum : Achlib-sar	18
Hittite God on a Cylinder belonging to the Metropolitan Museum, New York	$\frac{10}{20}$
Hittite Gods on a Cylinder belonging to W. H. Ward	21
Hittite Gods on a Cylinder in the British Museum	
Hittite Gods on a Cylinder in the Bibliothèque Nationale, Paris	$\begin{array}{c} 21 \\ 22 \end{array}$
Hittite Gods and Worshippers on a Cylinder from Lajard, pl. xxvii, 1	
Hittite God on a Cylinder belonging to W. H. Ward	22
Hittite God on a Cylinder belonging to the Metropolitan Museum, New York	$\frac{23}{23}$
Hittite Deities on a Cylinder belonging to the British Museum	
Hittite Goddess on a Cylinder belonging to the British Museum	24
Hittite Goddess with Worshippers on a Cylinder from the British Museum	$\frac{24}{25}$
	25
vii	

	PAGE
Hittite Goddess, Winged Disk and Animals on a Cylinder belonging to the	
British Museum	$\frac{25}{26}$
Hittite Goddess on a Hematite Cylinder belonging to the British Museum.  Hittite Goddess on a Hematite Cylinder belonging to W. H. Ward.	26 26
Hittite Goddess, on a bull upon a Cylinder belonging to W. H. Ward	27
Hittite Goddess and Worshippers on a Cylinder belonging to W. H. Ward	$\frac{21}{27}$
Winged Hittite Goddess on a Cylinder belonging to W. H. Ward	28
Winged Hittite Goddess and Worshippers on a Cylinder belonging to W. H.	
Ward	28
Winged Hittite Goddess Worshippers: crux ansata on a Cylinder in the	
Vienna Museum	29
Hittite Goddess and Animals on a Cylinder belonging to W. H. Ward	29
Hittite Goddess with Wings and Festoons on a Cylinder in the Biblio-	30
thèque Nationale, Paris Hittite Goddess on Cylinder belonging to the British Museum	30 30
Hittite Goddess and her Consort on a Cylinder of Unknown Ownership .	31
Minor Hittite Deities on a Cylinder belonging to the University of Penn-	01
sylvania	31
Minor Hittite Deities on a Cylinder belonging to W. H. Ward	32
Winged Protecting Hittite Spirits on a Cylinder belonging to W. H. Ward	32
Sphinx in a Design on a Hittite Cylinder belonging to W. H. Ward.	33
Enthroned Hittite Goddess on a Cylinder belonging to W. H. Ward	33
Assyrian Goddess from Rock-Sculptures of Maltaya .  Hittie Cylinder with Two Series of Figures in the Bibliothèque Nationale	34
Hittite Cylinder with Two Series of Figures in the Bibliothèque Nationale, Paris	35
Hittite Cylinder with Enthroned Goddess and Other Figures belonging to	90
the Louvre	35
Hittite Cylinder with Enthroned Goddess, Two-faced Psychopomp and	
Other Figures, belonging to the Boston Museum of Fine Arts	36
The Nativity, by Girolamo da Cremona in the Jawes Collection of Yale	
University	166
Angel of the Resurrection, by Girolamo da Cremona	168
The Three Virgin Martyrs, by Girolamo da Cremona.	169
Christ addressing the Kneeling Apostles, by Girolamo da Cremona  The Ascension, by Girolamo da Cremona	170
Profile of Moulding of Achilles Relief at Achouria	171 178
The Antigone of Euripides. (Apulian Amphora in the Museo-Jatta)	193
The Antigone of Euripides. (Apulian Amphora in Berlin)	196
The Antigone of Euripides. (Fragment of Apulian Amphora in Carlsruhe)	197
The Pupus Torquatianus Inscription in the Vatican	202
Stele from Susa in Persia	247
Theatre of Priene: Plan	253
Foundations of the Old Temple on the Acropolis: Plan	347
Plan of the Four Temples on the Acropolis: to illustrate Pausanias's Route The Two Temples at Rhamnus	$\frac{368}{395}$
Arrangement of Figures in the Metopes of the West End of the Parthenon	$\begin{array}{c} 393 \\ 412 \end{array}$
Metope from the West End of the Parthenon: No. II (Michaelis)	414
Metope from the West End of the Parthenon: No. III (Michaelis)	415
Metope from the West End of the Parthenon: No. IV (Michaelis)	416
Metope from the West End of the Parthenon: No. V (Michaelis)	417
Metope from the West End of the Parthenon: No. VI (Michaelis)	418
Metope from the West End of the Parthenon: No. VII (Michaelis).	419
Metope from the West End of the Parthenon: No. VIII (Michaelis).	420
Metope from the West End of the Parthenon: No. IX (Michaelis)	$\frac{421}{422}$
Metope from the West End of the Parthenon: No. X (Michaelis) Metope from the West End of the Parthenon: No. XI (Michaelis)	$\frac{422}{423}$
Metope from the West End of the Parthenon: No. XI (Michaelis)	$\frac{423}{424}$
Metope from the West End of the Parthenon: No. XII (Michaelis)	425
Metope from the West End of the Parthenon: No. XIII (Michaelis).	426
Variations in the Use of Moulding above Metopes and Triglyphs	431
Astragal, and Half-Round Moulding on Metope X	432