

**THE JOURNAL OF THE ARCHAEOLOGICAL  
INSTITUTE OF AMERICA**

Archaeological Institute of America

AMERICAN  
JOURNAL OF ARCHAEOLOGY

*Second Series*

THE JOURNAL OF THE ARCHAEOLOGICAL  
INSTITUTE OF AMERICA

VOLUME XXII

1918



CONCORD, N. H.

PUBLISHED FOR THE INSTITUTE BY

**The Rumford 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. XXII, 1918

## Editorial Board

### Editor-in-Chief

JAMES MORTON PATON

### Associate Editors

GEORGE H. CHASE (*for the American School at Athens*),  
Professor in Harvard University.

JAMES A. MONTGOMERY (*for the American School in  
Palestine*),  
Professor in the Philadelphia Divinity School.

ALLAN MARQUAND (*for Mediaeval and Renaissance Archae-  
ology*),  
Professor in Princeton University.

FREDERICK H. STERNS (*for American Archaeology*),  
Associate in Harvard University.

WILLIAM N. BATES,  
Professor in the University of Pennsylvania.

### Honorary Editors

JAMES C. EGBERT (*President of the Institute*),  
Professor in Columbia University.

EDWARD CAPPS (*Chairman of the Managing Committee  
of the School at Athens*),  
Professor in Princeton University.

CHARLES C. TORREY (*Chairman of the Managing Committee  
of the School in Jerusalem*),  
Professor in Yale University.

## Editorial Contributors

Professor CARROLL N. BROWN,  
*Classical Archaeology.*

Miss MARY H. BUCKINGHAM,  
*Classical Archaeology.*

Dr. THEODORE A. BUENGER,  
*Classical Archaeology.*

Dr. LACEY D. CASKEY,  
*Classical Archaeology.*

Professor HAROLD R. HASTINGS,  
*Classical Archaeology.*

Professor ELMER T. MERRILL,  
*Numismatics.*

Professor LEWIS B. PATON,  
*Oriental Archaeology.*

Professor ARTHUR S. PEASE,  
*Classical Archaeology.*

Professor SAMUEL BALL PLATNER,  
*Roman Archaeology.*

Professor JOHN C. ROLFE,  
*Roman Archaeology.*

Dr. JOHN SHAPLEY,  
*Christian and Mediaeval*

*Archaeology.*

Professor ARTHUR L. WHEELER,  
*Numismatics.*

## CONTENTS

---

	<b>PAGE</b>
<b>ARCHAEOLOGICAL INSTITUTE OF AMERICA:</b>	
The Subjective Factor in Greek Architectural Design.	—ALBERT W. BARKER 1
The So-Called Bow-Puller of Antiquity.—WALTON BROOKS McDANIEL A Polyclitan Statue at Wellesley College (Plates I-II).	—ALICE WALTON 44 54 71
A New Mithraic Relief from Syria (Plate III).—A. L. FROTHINGHAM . . . . .	101
In Memoriam: James Rignall Wheeler.—H. N. F. . . . .	146
The Ludovisi Relief and its Companion Piece in Boston (Plates IV-V).—L. D. CASKEY . . . . .	154
The Vivenzio Vase and the Tyrannicides.—OLIVER D. WASHBURN . . . . .	251
Three Unknown Churches in Spain.—GEORGINA GODDARD KING . . . . .	295
Three French Gothic Tapestries Hitherto Known as the "Baillée des Roses" (Plate VI).—STELLA RUBINSTEIN . . . . .	166
Notes on the Servian Wall (Plate VII).—TENNEY FRANK . . . . .	175
A Third Century Etruscan Tomb.—L. G. ELDREDGE . . . . .	251
The So-Called Athlete's Ring.—WALTON BROOKS McDANIEL . . . . .	304
Notes on the Eruption of Vesuvius in 79 A. D.	—ELMER TRUESDELL MERRILL 310
Unpublished Documents Relating to the Work of Benedetto and Santi Buglioni for Badia Tedalda.—ALLAN MARQUAND . . . . .	310
Terra-cotta Revetments from Etruria in the University Museum, Philadelphia (Plates VIII-IX).	—STEPHEN B. LUCE and LEICESTER B. HOLLAND 319
Note on Bases in the Form of an Ionic Capital.—W. R. LETHABY . . . . .	340
In Memoriam: Richard Norton . . . . .	341
Unpublished Documents Relating to the Ceppo Hospital at Pistoia.	—ALLAN MARQUAND 361
The Origin of the Horseshoe Arch in Spain.	—LEICESTER B. HOLLAND 378
The Rise of Romanesque Sculpture.—A. KINGSLEY PORTER . . . . .	399
A Copy after Sculptures of Notre-Dame-de-Paris.	—FERN HELEN RUSK 428
Iphigenia Taurica 113 as a Document in the History of Architecture.	—OLIVER M. WASHBURN 434
<b>AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS:</b>	
Latin Inscriptions from Corinth.—L. R. DEAN . . . . .	189
<b>ARCHAEOLOGICAL NEWS AND DISCUSSIONS (July 1917-June, 1918).</b>	
—WILLIAM N. BATES, <i>Editor.</i>	
NOTES ON RECENT EXCAVATIONS AND DISCOVERIES; OTHER NEWS . . . . .	73, 343
<i>Oriental and Classical Archaeology:</i> —General and Miscellaneous, 73, 343; Egypt, 74, 345; Greece, 77; Italy, 77, 346; France, 80; Holland, 81; Germany, 81; Russia, 82; Great Britain, 82, 348; Northern Africa, 82, 348; United States, 83, 349.	

*Early Christian, Byzantine, Mediaeval, and Renaissance Art:*—General and Miscellaneous, 83; Italy, 84, 350; Spain, 93; France, 95, 352; Germany, 96; Austria-Hungary, 96; Great Britain, 96, 352; United States, 97, 353.

*American Archaeology:*—General and Miscellaneous, 357.

SUMMARIES OF ORIGINAL ARTICLES CHIEFLY IN CURRENT PERIODICALS. 199, 439

*Oriental and Classical Archaeology:*—General and Miscellaneous, 199, 439; Egypt, 201, 441; Babylonia, Assyria, and Persia, 203, 442; Syria and Palestine, 205, 442; Asia Minor, 206, 443; Greece, 207, 444; (Architecture, 207; Sculpture, 208, 444; Inscriptions, 210, 447; Vases, 210, 446; Coins, 211, 448; General and Miscellaneous, 212, 448); Italy, 213, 450; (Architecture, 213; Sculpture, 214, 450; Vases and Painting, 215; Inscriptions, 215; Coins, 216, 450; General and Miscellaneous, 216, 451); Spain, 219; France, 219, 452; Germany, 220; Austria-Hungary, 221; Northern Africa 221, 452.

*Early Christian, Byzantine, and Mediaeval Art:*—General and Miscellaneous, 222; Italy, 222, 453; France, 225; Belgium and Holland, 225; Great Britain, 225, 454.

*Renaissance Art:*—General and Miscellaneous, 226; Italy, 227, 454; Spain, 236, 461; France, 238, 462; Belgium and Holland, 238, 462; Germany, 239; Great Britain, 239, 463; United States, 239.

*American Archaeology:*—General and Miscellaneous, 240, 464.

BIBLIOGRAPHY OF ARCHAEOLOGICAL BOOKS: 1917.

—WILLIAM N. BATES, *Editor* 241

General and Miscellaneous . . . . .	241
Egyptian Archaeology . . . . .	243
Oriental Archaeology . . . . .	243
Classical Archaeology . . . . .	244
Greek and Roman . . . . .	244
Greek, 244 (I, General and Miscellaneous, 244; II, Vases, 245; III, Inscriptions, 245; IV, Coins, 245).	
Roman, 245 (I, General and Miscellaneous, 245; II, Architecture, 246; III, Sculpture, 246; IV, Painting, 246).	
Christian Art . . . . .	246
(I, General and Miscellaneous, 246; II, Early Christian, Byzantine and Mediaeval, 248; III, Renaissance, 249).	
Abbreviations used in the News, Discussions, and Bibliography . . . . .	99
PROCEEDINGS OF THE NINETEENTH GENERAL MEETING OF THE ARCHAEOLOGICAL INSTITUTE OF AMERICA, Philadelphia, December 27, 28, 29, 1917 . . . . .	63
Preliminary Statement . . . . .	63
Abstracts and Titles of Papers Read:	
The Cosmopolitan Religion of Tarsus and the Origin of Mithra.	
—A. L. FROTHINGHAM	63

What an Archaeologist Can Learn in a Modern Pottery School.	65
—GISELA M. A. RICHTER	
The So-Called Bow-Puller.	65
—WALTON BROOKS McDANIEL (See pp. 25-43)	
An Inspired Message in the Augustan Poets.	65
—ELIZABETH H. HAIGHT	
A Cylix in the Style of Duris.—DAVID M. ROBINSON . . . . .	65
A Study of Dietetics among the Romans.—CORNELIA G. HARCOM .	65
A Group of Etruscan Antefixes from Cervetri.—STEPHEN B. LUCE .	65
The Genesis of Painting in North America.	66
—CHARLES HENRY HART	
The Identification of a Portrait Statue of a Semitic Babylonian King.—GEORGE A. BARTON . . . . .	66
A Greek Inscription from Namroun.—WARREN J. MOULTON . .	66
Certain Details of Decorative Design in the Art of Western Asia.	66
—CHARLES C. TORREY	
A Note on Nehemiah, XII, 30 (Nehemiah's Procession).	66
—KEMPER FULLERTON	
The Dedication of a Syrian Church.—JOHN SHAPLEY . . . . .	67
A Short Greek Inscription from Babylonia.—ALBERT T. CLAY .	67
Three Unknown Churches of Spain.	67
—GEORGIANA G. KING (See pp. 154-165)	
The Foot-Gear of Immortality in the Redating of Roman Sculpture.	67
—A. L. FROTHINGHAM	
The Wheel of Life and the Story of Myrtilus.	68
—A. L. FROTHINGHAM	
The Figures in the Wings of the Ludovisi Relief and Its Counter-part in Boston.—LACEY D. CASKEY (See pp. 101-145) . . . . .	68
Prehistoric Castles and Towers of Our Southwest.	69
—J. WALTER FEWKES	
The Horseshoe Arch in Northern Spain.	69
—LEICESTER B. HOLLAND (See pp. 378-398)	
Some Unpublished Greek Vases in an American Collection.	69
—J. C. HOPPIN	
An Unpublished Madonna by Lambert Lombard.	69
—FERN HELEN RUSK	

## PLATES

- 
- I. Polyclitan Statue at Wellesley.
  - II. Head of Polyclitan Statue with Neck restored: from a Cast.
  - III. Mithraic Relief in Syria.
  - IV. Reliefs in Rome and Boston: Fronts.
  - V. Reliefs in Rome and Boston: Wings.
  - VI. French Gothic Tapestry: Metropolitan Museum, New York.
  - VII. Geological Sketch-Map of Rome.
  - VIII. Terracotta Revetments from Etruria.
  - IX. Terracotta Revetments from Etruria.

## ILLUSTRATIONS IN TEXT

---

	PAGE
Guilloche on Base of Column: Erechtheum . . . . .	10
Guilloche on Base of Column: Erechtheum . . . . .	11
Guilloche on Base of Anta: Erechtheum . . . . .	12
Jamb of North Door: Erechtheum . . . . .	13
Moulding on Porch of the Maidens: Erechtheum . . . . .	14
Weak and Strong Construction of Corners . . . . .	17
Curve from Templet . . . . .	20
Curve from Templet . . . . .	21
Curve from Templet . . . . .	22
Curve from Templet . . . . .	22
Templets Cast from Living Model . . . . .	23
"Bow-Puller" with Rings Bent Upward . . . . .	26
"Bow-Puller" with Long Spine in Front . . . . .	27
"Bow-Puller" with Chain . . . . .	27
"Bow-Puller" in University Museum, Philadelphia . . . . .	29
"Limb-Piercing" Caestus . . . . .	30
"Bow-Puller" with Notches in Rings . . . . .	31
"Bow-Puller" with Head of Animal . . . . .	33
Amulet with Combination of Charms . . . . .	33
Ornament on Horse's Head . . . . .	41
Fork on Apex of Helmet . . . . .	41
Polyclitan Statue: Right Side . . . . .	46
Polyclitan Statue: Back . . . . .	47
Head of Polyclitan Statue . . . . .	50
Heads of (A) Doryphorus and (B) Statue at Wellesley . . . . .	52
Head of Polyclitan Statue, from Cast . . . . .	52
Mithraic Relief from Apulum . . . . .	56
Mithraic Relief from Wallachia . . . . .	56
Mithraic Relief at Verona . . . . .	57
Mithraic Relief at Naples . . . . .	57
Mithraic Relief from Bologna . . . . .	59
Mithraic Relief from Heddernheim . . . . .	60
James Rignall Wheeler . . . . .	71
Part of Palace of Merenptah . . . . .	75
Egyptian Portrait . . . . .	76
Babylonian Limestone Group: Berlin . . . . .	81
Protection of Façade of San Marco, Venice . . . . .	84
Protection of Interior of San Marco, Venice . . . . .	85
Protection of Giotto's Frescoes in the Arena Chapel, Padua . . . . .	86
Protection of San Vitale, Ravenna . . . . .	87
Madonna by Filippo Lippi . . . . .	89
Sepulchral Statues: Burgos . . . . .	94
San Domingo en Soriano: A Pereda . . . . .	95
Superimposed Outlines of the Fronts of the Ludovisi and Boston Reliefs	103

## CONTENTS

ix

The Reliefs and the Altar of Poseidon . . . . .	108
Attic Scyphus: Boston . . . . .	110
Seated Women on the Vivenzio Vase . . . . .	114
The Left Wing of the Boston Relief . . . . .	115
Flute-Player on Petrograd Psyter . . . . .	117
Lyre-Player from a Lecythos in Boston . . . . .	119
Female Head in Athens . . . . .	121
Stele in Conservatori Museum . . . . .	122
Giustiniani Stele: Berlin . . . . .	123
Hand with Alabastron . . . . .	133
Fragment of Vase: Athens . . . . .	134
Stele of Philis . . . . .	135
Lapith Woman: Olympia . . . . .	136
Aphrodite from Boston Relief . . . . .	137
Metope of Parthenon . . . . .	138
Head of Aphrodite from Boston Relief . . . . .	143
The Vivenzio Vase: Naples . . . . .	147
Fragment of a Vase: Boston . . . . .	148
The Tyrannicides from a Panathenaic Vase . . . . .	150
The Skaramangá Lecythos . . . . .	150
The Wirzburg Stamus . . . . .	151
Puerto Marin . . . . .	155
Puerto Marin: Apse . . . . .	157
Puerto Marin: West Front . . . . .	158
Torres: Door . . . . .	160
Torres: East End . . . . .	161
Torres: Dome and Vaulting . . . . .	162
Torres: Sanctuary Arch . . . . .	163
Torres: Capital, The Deposition . . . . .	164
French Gothic Tapestry: Metropolitan Museum . . . . .	168
French Gothic Tapestry: Metropolitan Museum . . . . .	170
Latin Inscription from Corinth: No. 1 . . . . .	189
Latin Inscription from Corinth: No. 2 . . . . .	190
Latin Inscription from Corinth: No. 3 . . . . .	191
Latin Inscription from Corinth: C. I. L. III, 539 . . . . .	192
The Sacrifice of Polyxena . . . . .	214
Odysseus in Hades . . . . .	214
Coronation of the Virgin from Monteluce . . . . .	231
San Giuseppe by Bernini . . . . .	233
An Angel by Silvio Cosini . . . . .	235
Saint John by El Greco . . . . .	237
Etruscan Cinerary Urn: No. 13.2860 . . . . .	253
Etruscan Cinerary Urn: No. 13.2860 . . . . .	255
Silver Box-Mirror: No. 13.2875 . . . . .	258
Silver Box-Mirror: No. 13.2876 . . . . .	259
Silver Mirrors and Strigils: Nos. 13.2877-78 and 13.2873-74 . . . . .	261
Silver Vase: No. 13.2864 . . . . .	263
Silver Vases: A, No. 13.2867; B, No. 13.2866; c, No. 13.2868 . . . . .	264
Silver and Glass Vases: A, No. 13.2869; B, No. 13.2865; c, No. 13.2900 . . . . .	265

Silver Vase: No. 13.2862 . . . . .	266
Silver Cauldrons: A, No. 13.2861; B, No. 13.2863 . . . . .	267
Bucranium on Vase: Boston . . . . .	270
Praenestine Mirror: Gerhard, IV, 317 . . . . .	273
Silver Objects from the Tomb of Seianti Thanunia: British Museum . . . . .	276
Silver Strigil: No. 13.2872 . . . . .	278
Silver Bracelets: A, No. 13.2870; B, No. 13.2871 . . . . .	279
Gold Ornaments: Nos. 13.2879-2885 . . . . .	281
Ivory Dice, Sticks, and Spoon . . . . .	287
Ivory Fragments from Boxes . . . . .	290
Ivory Mirror-Handle and Cylinders . . . . .	291
"Athlete's Ring": University Museum, Philadelphia . . . . .	301
Fragment of Attic Vase: University Museum, Philadelphia . . . . .	301
Madonna and Saints: Badia Tedalda . . . . .	311
Madonna della Cintola: Badia Tedalda . . . . .	313
Ciborio: Badia Tedalda . . . . .	314
The Annunciation: Badia Tedalda . . . . .	315
San Sebastiano and other Saints: Badia Tedalda . . . . .	317
Revetments from Cervetri: Berlin . . . . .	322
Revetment from Segni . . . . .	322
Terracotta Revetments from Etruria: Philadelphia . . . . .	324
Revetment from Falerii: Rome . . . . .	325
Revetment from Civita Lavinia: British Museum . . . . .	327
Terracotta Revetments from Etruria: Philadelphia . . . . .	330
Revetment in Metropolitan Museum . . . . .	332
Palmettes from the Vase with Alcaeus and Sappho . . . . .	333
Terracotta Revetments from Etruria: Philadelphia . . . . .	334
Revetment from Falerii: Rome . . . . .	335
Tile from Falerii: Rome . . . . .	336
Hellenistic Silver Cups: J. P. Morgan Collection . . . . .	349
Fresco by Lorenzo d'Alessandro: Sanseverino . . . . .	351
The Circumcision from S. Maria della Canonica: Paris . . . . .	353
Madonna and Child: Boston . . . . .	354
Lorenzo de' Medici: Boston . . . . .	355
Coronation of the Virgin by Benedetto Buglioni: Ceppo Hospital, Pistoia . . . . .	362
Arms of the Ceppo Hospital by Benedetto Buglioni . . . . .	363
Visigothic Carvings . . . . .	381
San Pedro de Nave . . . . .	383
San Pedro de Nave: Interior . . . . .	385
San Juan de Pravia (Santiañes) . . . . .	386
San Julian de los Prados (Santullano) . . . . .	387
San Miguel de Limio . . . . .	388
San Salvador de Val-de-Dios . . . . .	390
Stelae from Léon . . . . .	392
Arcades on Coupled Columns: Visigothic, Byzantine, Sassanian, and Asturian . . . . .	394
Sculptures of St. Denis, after Montfaucon . . . . .	400
The Porch: Moissac . . . . .	401

## CONTENTS

## xi

Jamb Sculptures of Western Portal: Chartres . . . . .	402
West Portal of Cathedral: Senlis . . . . .	403
Figure from the Cloister: Moissac . . . . .	404
Figures from the Porch: Moissac . . . . .	405
The Tympanum: Autun . . . . .	406
Benedictine Ivory Carving: J. P. Morgan Collection, Metropolitan Museum . . . . .	407
Western Portal: Calvenzano . . . . .	408
Portal of Narthex: Vézelay . . . . .	409
The Portal: Civray . . . . .	410
Architrave of Portal, North Transept: Cremona . . . . .	411
Ivory Carving: Morgan Collection . . . . .	412
Enoch and Elijah, with Signature of Gugielmo: Modena . . . . .	414
Isaiah: Western Portal, Modena . . . . .	415
Isaiah by Gugielmo: Cremona . . . . .	416
Capitals in Museum: Soissons . . . . .	417
Sculptures from the Chapter-House of St. Etienne: Museum, Toulouse . . . . .	418
Lombard Statuette: Metropolitan Museum . . . . .	419
Figures from the Collection of Mrs. Gardner: Boston . . . . .	420
Sculptured Jamb by Nicolò: Ferrara . . . . .	421
Notre-Dame-La-Grande: Poitiers . . . . .	423
North Portal, West Façade: Parthenay-le-Vieux . . . . .	424
Ivory Triptych: Providence . . . . .	429
The Virgin Portal: Notre Dame . . . . .	430
Reliefs from Choir: Notre Dame . . . . .	431
Statue of Eros: Cyrene . . . . .	445
Eros of the Capitol: Rome . . . . .	445
An Angel: Lucca . . . . .	457
A Saint: Boboli Gardens, Florence . . . . .	458
The Villa Medici, Rome, by Velasquez . . . . .	461