

CONTENTS

V. CAVERNS OF COPAN, HONDURAS. BY GEORGE BYRON GORDON, 1898.	
Report of Expedition, 1896-97	PAGE 139
Contents of Cave Pottery	147
Note on the Formation of Stalagmite	147

VI. THE HIEROGLYPHIC STAIRWAY, RUINS OF COPAN. BY GEORGE BYRON GORDON, 1902.

Editorial Note by F. W. Putnam	151
Subscribers to the Fund for the Encouragement of Central American Research	152
The Hieroglyphic Stairway: Architecture	153
The Inscription	168

ILLUSTRATIONS IN THE TEXT

	PAGE
Sculptures from Terrace east of Great Plaza, Copan	2
Gargoyle, serpent's head, from debris of Temple	7
Restoration of sculpture on a step of the Hieroglyphic Stairway	8
Excavation under inclined plane, eastern side of Mound 9	20
Cross section of Tomb 2	30
Human teeth filed and ornamented with jadeite	32
Vault under Stela M	36
Cross section of Stela C, showing vault and stonework at base	37
Vault under Stela C	38
Stela 1 and Altar, showing position	39
Altar of Stela C	40
Altar of Stela C with fallen stela	40
Front of Sculpture Z	41
Back of Sculpture Z	41
Side of Sculpture Z	42
Side of Sculpture Z	42
Altar in front of Stela D	43
Sculpture on step of Hieroglyphic Stairway	46
Terra-cotta vase. Wolf's head	48
Map of ancient cities in Yucatan	53
Vertical section in Cave of Loltun, showing barricades	55
Plan of principal chambers in Cave of Loltun	56
Plan of Inscription Chamber in Cave of Loltun	57
Vertical section of Inscription Chamber in Cave of Loltun	58
Vertical section showing layers in Cave of Loltun	60
Haltun or water-trough in Cave of Loltun	63
Rock carvings in " " 2 figs.	64
Shell ornaments from " " 2 figs.	65
" " " " 2 figs.	66
Carved stone pendant from " "	67
Bone needles from " "	68
Filed human teeth from " "	68
Rock paintings in " " 2 figs.	69
Fragment of a whistle from " "	70
Bead of iron pyrites from " "	70
Circular pavement around entrance to Chultun, Labná	77
Vertical section through " "	78
Terra-cotta whistle from " "	82
Engraved shell disk from " "	82
Chipped implement of chalcedony from " "	83
Flint knife from " "	83
Stone implement used in preparing agave fibre from Chultun, Labná	84
Chipped implement of flint from Chultun, Labná	84
Flint knife from " "	85
Chalcedony knife from " "	89
Chipped implement of flint from " "	89
" " " "	90
Metate with four feet " "	91
Form of bed of Uloa River	99
Section of bed of Uloa River	99
Plan of ruins east of Uloa River	103

ILLUSTRATIONS IN THE TEXT

	Page
Stone idol in the ruins	104
Cross section of mound in the ruins	104
Ornament of stone found in the ruins	105
Potsherd, with serpent head, from Enchanted Pool	107
Obsidian flake-knife, Uloa	110
Green stone celt, Uloa	110
Bark-pounder, Uloa	111
Pottery vessel with human face and glyphs, Uloa	111
“ “ “ “ Guatemala	111
“ “ with glyphs, Copan	112
Terra-cotta whistle, Uloa	113
“ “ “ “	114
“ “ with human figures, two views	114, 115
“ mask, Uloa	115
“ head, portion of whistle, Uloa	115
“ stamp and whistle, Uloa	116
“ cylindrical stamp, Uloa	117
“ ear-ornament, Uloa	117
“ implement, Uloa	117
Head carved in calcite, Uloa	118
Design on fragment of terra-cotta figure, Uloa	118
“ on painted vase, Uloa	120
“ “ “ “	121
“ “ bowl “	122
“ “ “ “	123
“ “ “ “	124
Animal design painted on fragment of pottery, Uloa	124
Painted design on rim of jar, Uloa	125
Crucible-like objects of clay (paint-pots), Uloa	125
Tobacco pipe of clay, Uloa	133
Map of the Copan Valley	140
Wooden handle from Cave 3, Copan	142
Plan of Mound 26, showing position of Hieroglyphic Stairway, Copan	153
Cross section of Mound 26, showing landslide and Hieroglyphic Stairway	157
Plan of lower portion of Hieroglyphic Stairway, with altar	158
Cross section through lower portion of Hieroglyphic Stairway	158
Seated figure on Hieroglyphic Stairway	160
Details of balustrade “ “ (restored)	161
Crouched human figure “ “	162
Serpent ornament “ “	166
Serpents' heads “ “	167
Glyphs, showing dates, Copan	169
“ “ “ “	170
“ “ “ “	172
“ “ “ “	173
“ “ “ “	174
“ “ “ “	176
“ on Temple of the Sun, Palenque	176
“ showing date, Copan	176
“ “ “ “	181
Inscription on small stone table, Copan	181
Hieroglyphic bands at base of Stela N, Copan	182
Plan of “ “ “ “	183
Glyph, showing date, Copan	185
Inscription on small stone pillar, Copan	186

PLATES

MEMOIR I

PLATE

- I. Plan of the Ruins of Copan.
- II. Fig. 1. Main Structure from eastern side of Copan River.
Fig. 2. Northeastern slope of Main Structure.
- III. Fig. 1. Looking south from Mound 26.
Fig. 2. Looking northeast from Pyramid 16.
- IV. Fig. 1. Looking northwest from Mound 20.
Fig. 2. Looking northeast from Mound 20.
- V. Fig. 1. Portion of Hieroglyphic Stairway.
Fig. 2. Two steps of Hieroglyphic Stairway.
- VI. Fig. 1. Looking northeast from Great Plaza, showing Stela D and Steps on Mound 2.
Fig. 2. The Great Plaza.
- VII. Figs. 1-4. Four views of Stela 6.
- VIII. Figs. 1-4. Four views of Stela 11.
- IX. Figs. 1-3. Sculptures from débris of Temple 22.
Fig. 4. Sculpture from Hieroglyphic Stairway.

MEMOIR II

- I. Fig. 1. Principal entrance to the Cave of Loltun.
Fig. 2. Stalactites in the Inscription Chamber, Cave of Loltun.
- II. Fig. 1. Inscription 1, in Cave of Loltun.
Fig. 2. Inscription 6, “ “
- III. Fig. 1. Inscription 2, “ “
Fig. 2. Inscription 7, “ “
- IV. Fig. 1. Inscription 4a, “ “
Fig. 2. Inscription 4b, “ “
- V. Inscription 3, “ “
- VI. Bas-relief on wall near entrance to Cave of Loltun.
- VII. Fig. 1, a-j. Terra-cotta objects from Cave of Loltun.
Fig. 2, a-c. Stone implement from Cave of Loltun.
- VIII. Fig. 1. Terra-cotta ornaments from Cave of Loltun.
Fig. 2. Potsherds from Cave of Loltun.

MEMOIR III

- I-VII. Vertical and horizontal sections of Chultunes, Labná.
- IX. Fig. 1. Human head sculptured in stone, Chultunes, Labná.
Fig. 2. Stone collar from Chultunes, Labná.
- X. Ornaments of shell, stone, and cement, Chultunes, Labná.
- XI. Terra-cotta moulds and moulded animal heads, Chultunes, Labná.
- XII. Terra-cotta human heads, Chultunes, Labná.
- XIII. Fig. 1. Terra-cotta whistles and portions of musical instruments, Chultunes, Labná.
Fig. 2. Pottery vessels, Chultunes, Labná.

PLATES

MEMOIR IV

PLATE

- I. Colored plate, potsherds from Uloa Valley.
- II. Map of the lower watershed of the Uloa and Chemelican Rivers.
- III. Designs on painted vessels (owl and bat), Uloa.
- IV. Colored designs on a vase (human figures and serpents).
- V. Colored design on vase (human figures).
- VI. Sites of excavations 3 and 4, on banks of Uloa.
- VII. Pottery vessels of various shapes, Uloa.
- VIII. Terra-cotta figures and masks, Uloa.
- IX. Terra-cotta whistles and images, Uloa.
- X. Portions of terra-cotta statuettes, Uloa.
- XI. Terra-cotta stamps, Uloa.
- XII. Fig. 1, *a, b, c*, terra-cotta faces; *d*, double paint holder; *e, t*, ornamented vases of calcite; *g*, head of a turkey in terra-cotta; *h*, cup in shape of human head.
Fig. 2. Waterfall and pool in Quebrada Encantada.
Fig. 3. Excavations at ruins near Quebrada Encantada.

MEMOIR V

- I. Pottery from Caverns of Copan.

MEMOIR VI

- I. Mound 26, before excavation of Stairway, showing site of Hieroglyphic Stairway, and position of Stela N.
- II. Removing the fallen steps of Hieroglyphic Stairway.
- III. Hieroglyphic Stairway after excavation.
- IV. " " " "
- V. " " " " Fallen steps arranged in order.
- VI. " " " " Steps in position.
- VII. " " " " Middle section of lower portion, showing altar and seated figure.
- VIII. " " " " Altar at base of Stairway.
- IX. " " " " Details of altar. Fig. 1, southern half; Fig. 2, northern half.
- X. " " " " Seated figure above altar.
- XI. " " " " Top of altar at base of Stairway.
- XII. " " " " Disconnected fragments of the inscription.
- XIII. " " " " Fragments of inscriptions and other sculptures.
- XIV. " " " " One of the seated figures from centre of Stairway.
- XV. " " " " Various sculptures.
- XVI. Stela M, Copan. Front, back, and upper portion.
- XVII. Altar of Stela M. Five views.
- XVIII. Mound 26, after excavation of Stairway.

MEMOIRS

OF THE

PEABODY MUSEUM OF AMERICAN ARCHAEOLOGY AND
ETHNOLOGY, HARVARD UNIVERSITY.

VOL. I.—No. 1.

PREHISTORIC RUINS OF COPAN,
HONDURAS.

A PRELIMINARY REPORT OF THE EXPLORATIONS BY THE MUSEUM,
1891—1895.

CAMBRIDGE, MASS.:

PUBLISHED BY THE MUSEUM.

1896.