

ANDREWS UNIVERSITY SEMINARY STUDIES

VOLUME XVI SPRING 1978 NUMBER 1

HESHBON 1976

Borras, R. S., and L. T. Gentry, The Fifth Campaign at Tell Heshbon . . .	1
Van Elderen, Bastiaan, Area A	19
Sauer, James A., Area B and Square D,†	31
Mare, W. Harold, Area C.1, 2, 3, 5, 7	51
Parker, S. Thomas, Area C.1, 6, 8, 9, 10	71
Herr, Larry G., Area D	109
Davis, John J., Areas F and K	129
Winnery, Donald H., Area G.4, 13, 15	149
Brown, Robin M., Area G.11, 16, 17, 18	167
Blaine, B. Michael, Area G.12	183
Lawlor, John, Area G.14	189
Boech, Robert, Jr., Expanded Archaeological Survey of the Heshbon Region	201
Boech, Robert, Jr., An Intensive Surface Survey at Jaldi	215
Horn, Siegfried H., An Egyptian Scarab in Early Roman Tomb F.31	223
Ciprot, Jennifer G., The Prometheus Bone Carving from Area B	225
Labianca, Øystein Sekala, Man, Animals, and Habitat at Heshbon— An Integrated Overview	229
Sterling, James H., The Human Skeletal Remains from Heshbon's Cemeteries	253
Boesseneck, Joachim, and Angela von den Driesch, Preliminary Analysis of the Animal Bones from Tell Heshbon	259
Alomia, Merling K., Notes on the Present Avifauna of Heshbon	289
 GENERAL ARTICLES, BOOK REVIEWS, BOOKS RECEIVED	
Douglas, Walter B., Politics and Theology in the Thought of Richard Baxter, Part II	305
Grieg, A. Josef, Some Formative Aspects in the Development of Gerhard von Rad's Idea of History	313
Strand, Kenneth A., From Sabbath to Sunday in the Early Christian Church: A Review of Some Recent Literature, Part I:	333
Willy Rordorf's Reconstruction	343
Book Reviews	358
Books Received	358





A. An aerial view of Tell Heshbān from the west. Notice Area C's long trench leading up to Area A on the acropolis with Areas D and B to the right on the southern slope. Photo: Courtesy of H.R.H. Crown Prince Hassan.



B. The staff of the 1976 Heshbon expedition. Photo: Paul H. Denton.



A. Squares A.7-10. View to north. Mamlūk courtyard in center surrounded by rooms with arched entrance to left and bath complex to right. Photo: Paul H. Denton.



B. Square A.11. View to south. On left, Wall A.11:3 (upper courses, Mamlūk) above Wall A.11:50 (lower courses, Late Hellenistic) abut acropolis perimeter Wall A.11:49 (Late Hellenistic) on right. Photo: Paul H. Denton.



A. Square B.2. View to southeast. On left, Iron II/Persian vertical Bedrock B.2:114B with Plaster B.2:113, running down to horizontal "cement" Layer B.2:138 (the eastern side and floor of the Stratum XXII [Area B stratum 18] reservoir). In the three balks, note the soil and rock tumble layers of Hellenistic Stratum XXI (Area B stratum 16), and beneath them, the B.2:137 clay layer of Iron II/Persian Stratum XXII (Area B stratum 17). Photo: Paul H. Denton and Andrew Kramer.



B. Square B.2. View to south. Closeup of joint between vertical Plaster B.2:113 and horizontal "cement" Layer B.2:138 (the eastern side and floor of the Iron II/Persian Stratum XXII [Area B stratum 18] reservoir). In the balk, note the B.2:137 clay layer of Iron II/Persian Stratum XXII (Area B stratum 17). Photo: Paul H. Denton and Andrew Kramer.



A. Balk between Squares B.2 and B.7. View to north. Closeup of joint between Iron II/Persian header-stretcher Wall B.2:84 and curving Bedrock B.7:39 (the northeast corner of the Stratum XXII [Area B stratum 18] reservoir). Photo: Paul H. Denton and Andrew Kramer.



B. Square B.4. View to south. Arch and walls supporting roof of Ayyūbid/Mamlūk and Early Roman underground complex to south of Cave B.4:283. Photo: Paul H. Denton and Kaye Barton.



A. Square B.7. View to north. Late Roman Stairway B.7:20, partially robbed out by Early Byzantine Pits B.7:12=21 (right background) and B.7:38 (left background). In the balks, note the white plaster layers of Strata XII-XVII (Area B strata 7-12). In the foreground, note the north-south B.7:29 "curbing" stones of Early Roman Stratum XVII. Photo: Paul H. Denton.



B. Square D.4. View to north. In the center, Wall D.4:112 resting on Bedrock D.4:25, with nearby circular Installation D.4:113. In the foreground, note the vertical lip on Bedrock D.4:25, part of the ca. 4.00 m. deep "channel" of Iron I Stratum XXIV (Area B stratum 19). To the left, note the D.4:86=103 header stones of Early Roman Stratum XVII (Area B stratum 12). Photo: Paul H. Denton.



A. Square C.5. View to east. Western, Early Byzantine entrance to Early Roman "tower." Note the tumble in the balk in the room above the meter stick and Cistern C.5:228 in the floor across Wall C.5:200. Photo: Paul H. Denton and Loren Calvert.



B. Four-spouted Early Byzantine lamp from Wall C.5:77 (the north-south wall to lower left of meter stick in Pl. VI:A, above). Note zoomorphic handle. Photo: Paul H. Denton.



A. Square C.6. View to east. Double door sockets within sunken Threshold C.6:28 at the eastern end of the North Building. Photo: Paul H. Denton.



B. Square C.6. View to north. Threshold C.6:37 with its door socket in the Southeast Room. Photo: Paul H. Denton and Henry Lamberton.



A. Square C.9. View to east. Massive wall collapse within northern room of Mamlūk building. Note pronounced lean of Wall C.9:8 on right. Most of the stones fell either from the wall itself or from the vaulted roof it probably supported. Photo: Paul H. Denton and Andrew Kramer.



B. Square C.9. View to east. Circular cup-like depressions imbedded in Floor C.9:18 of the Mamlūk building. Note the white plaster surrounding each depression. Photo: Paul H. Denton and Kaye Barton.



A. Square D.1. View to south. Looking down on the Hellenistic bedrock cut of Stratum XX (Area D stratum 17) which exposed and filled Iron I Cistern D.1:63. Note Wall D.1:104 parallel and below the meter stick. Photo: Paul H. Denton and T. Paul Bonney.



B. Square D.3. View to south. Slabs of collapsed bedrock blocking Cave D.3:88 in Stratum XVIII (Area D stratum 15) to east of Wall D.3:16. Photo: Paul H. Denton and Kaye Barton.



A. Square D.2. View to east. Layering D.2:43 south of Wall D.2:21 and west of Wall D.2:55 from destruction of Stratum XVI (Area D stratum 13). Photo: Paul H. Denton and Henry Lamberton.



B. Square D.2. View to west. Stairway D.2:34 (3 courses to left) and Stairway D.2:32 (3 courses to right)—both overlaid by covered Channel D.2:30. Remnants of Stairway D.2:7 of Stratum III may be seen in balk. Photo: Avery Dick.



A. Tomb F.27. View to south. Trough burials with sarcophagus lids. Photo: Paul H. Denton and Anna Eaton.



B. Tomb F.27. View to east. Loculi 5, 6, 7, left to right. Photo: Paul H. Denton and Anna Eaton.



A. Pottery and objects from Tomb F.27. Note especially the gold earring at bottom, center. Photo: Paul H. Denton.



B. Tomb F.28. View to east, southeast. Loculi 5, 6, 7, 8 (left to right) and arcosolium above them. Photo: Paul H. Denton and Anna Eaton.



A. Tomb F.31. View to east, from above. Photo: Paul H. Denton and Anna Eaton.



B. Tomb F.31. View to southeast. Separated silt deposits in the northwest corner. Photo: Paul H. Denton and Anna Eaton.



A. Pottery and objects from Tomb F.31. See Pl. XIX:A for close-ups of scarab. Photo: Paul H. Denton.

B. Square G.4. View to south. Looking down long axis of cistern past Loci G.4:5, 6, 8. Photo: Paul H. Denton.





A. Square G.12. View to north.
Wall G.12:2 is on the left
and Cistern G.12:3 at the top.
Photo: Paul H. Denton and
Loren Calvert.

B. Square G.14. View to south.
The apse of the North
Church with Wall G.14:4 on
the left, Wall G.14:33 at bot-
tom center, and Surface G.14:
37 at right bottom. Photo:
Paul H. Denton and Kaye
Barton.





A. Site 138. View to northwest. Complex of walls within which were patches of mosaic, an apsidal wall, and two tomb entrances. Photo: Paul H. Denton and Andrew Kramer.



B. Site 147, Rujm el-Fahud. View to northwest. The human figures indicate two corners of a tower. Inside the walls were rooms roofed over with stone beams. Photo: Paul H. Denton and Kaye Barton.



A. Site 148. View to northeast. Typical Iron Age tower, about eighteen meters square. Photo: Paul H. Denton and Kaye Barton.



B. Site 149, Tell el-Umeiri. View to southwest. A Bronze and Iron Age site covering sixteen acres. The human figure and sheep mark location of spring. Photo: Paul H. Denton and Kaye Barton.



A. Tell Jalul. View to east. Photo: Paul H. Denton.



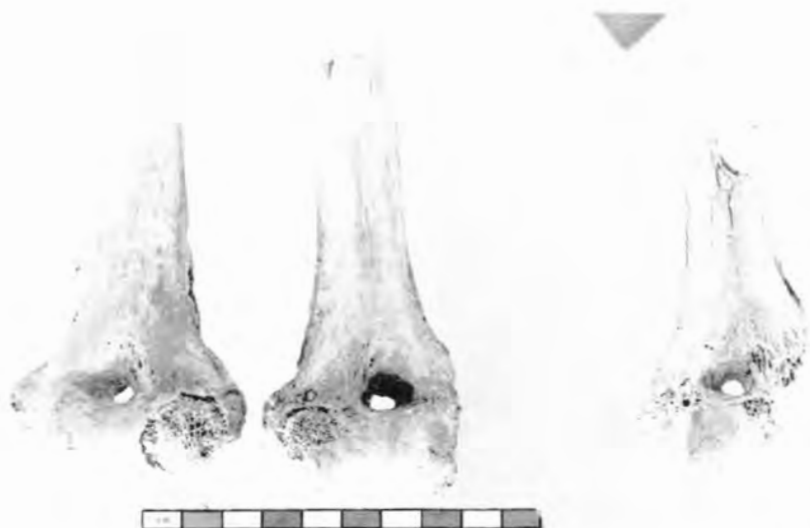
B. Three figurines (surface finds) from Tell Jalul. Photo: Robert Ibach, Jr.



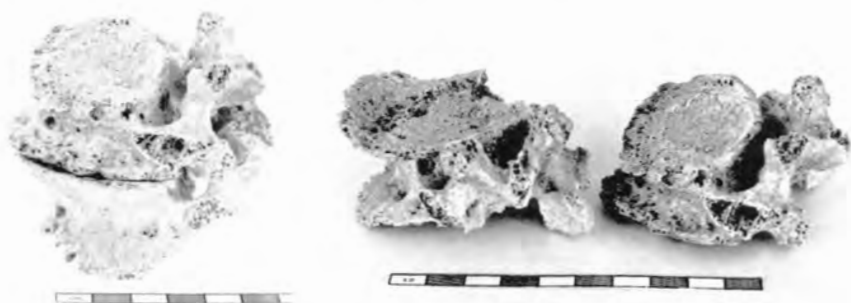
A. Scarab 2525 from Early Roman Tomb F.31: Views from top, bottom, side. Photos: Paul H. Denton.



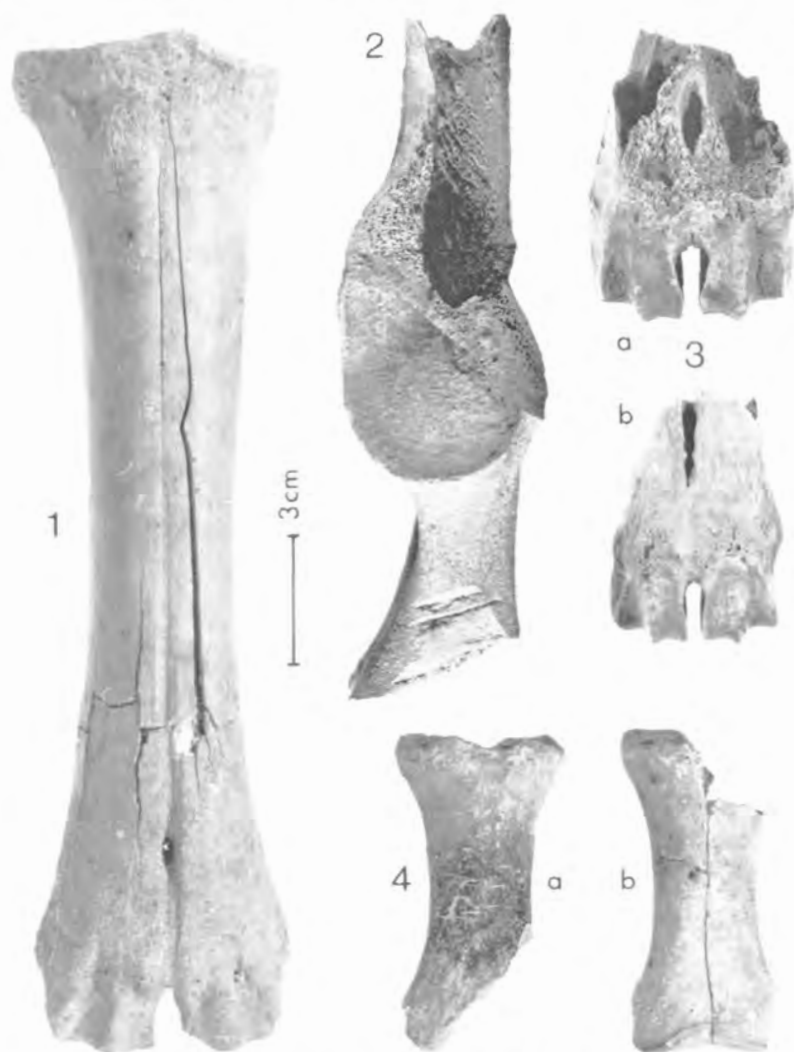
B. Prometheus Bone Carving 2295 from Loculus B.7:19. Photo: James J. C. Cox.



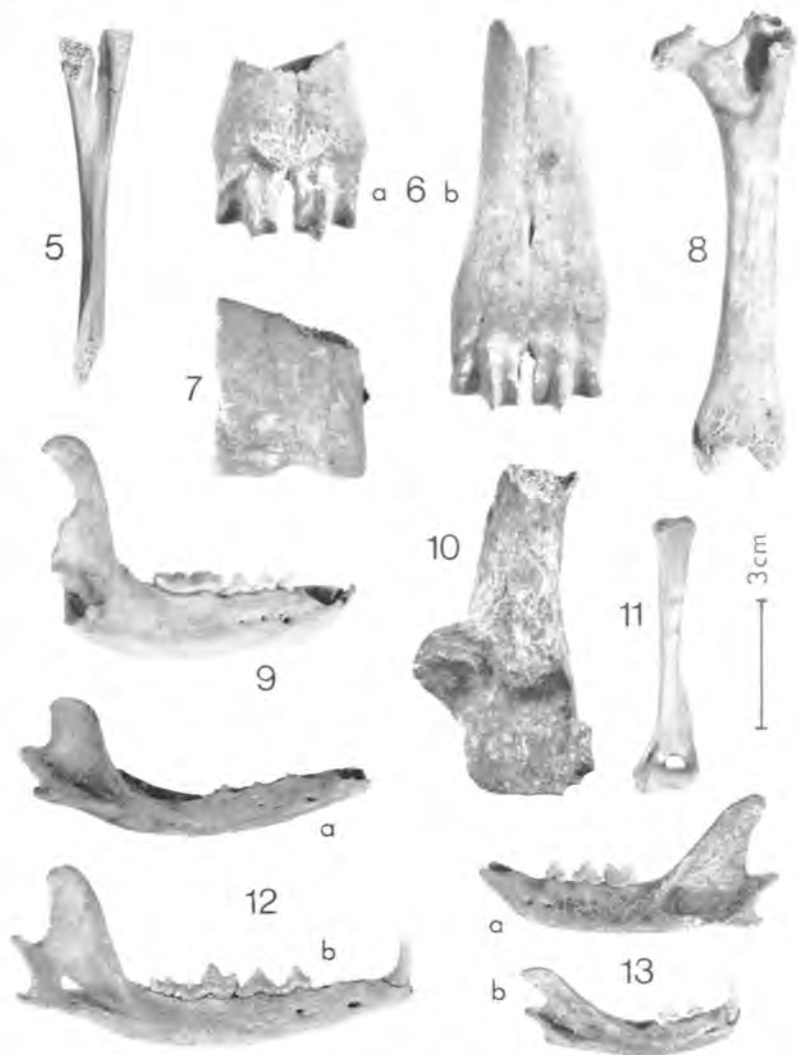
A. Supratrochlear apertures in distal end of right humeri from Tomb F.31, Loci 8 (left and center) and 22 (right). Photo: Paul H. Denton.



B. Extreme lipping on vertebrae from Tomb F.31, Locus 8—two views of same vertebrae. Photos: Paul H. Denton.



1. Aurochs, *Bos primigenius*, or domestic cattle, "*Bos taurus*." Metacarpus (C.3:12). Greatest length, ca. 238 mm.
2. Domestic horse, "*Equus caballus*." Portion of pelvis with traces of chipping and chopping (B.4:258).
3. Maral, *Cervus elaphus maral*, male (a); and Mesopotamian fallow deer, *Dama mesopotamica*, male (b). Metatarsi, distal (D.4:1 and B.1:143). Greatest distal breadth, 49 and 40 mm.
4. Syrian onager(?), *Equus onager hemippus*(?). Phalanges primae (D.4:98 and C.1:110). Greatest length, ca. 76 and 77 mm.; minimum breadth of diaphysis, 23 and 23.5 mm.



5. Zebu(?), "*Bos taurus indicus*"(?). Thoracic vertebra with split spinal process (C.5:111).
6. Wild goat, *Capra aegagrus*, or domestic goat, "*Capra hircus*," male (a); and wild sheep, *Ovis ammon*, or domestic sheep, "*Ovis aries*," male (b). Metacarpi distal (B.7:27). Greatest distal breadth, 36 and 36.5 mm.
7. Maral, *Cervus elaphus maral*. Talus, distal half (D.2:44). Greatest distal breadth, 37 mm.
8. Porcupine, *Hystrix indica*. Femur shaft (D.6:33).
9. Badger, *Meles meles canescens*. Mandible (C.1:131). Length: C'Alveolus, rear edge to M₂'Alveolus, rear edge, 39.5 mm.
10. Lion, *Panthera leo*. Calcaneus (B.4:268).
11. Mongoose, *Herpestes ichneumon*. Humerus without proximal epiphysis (C.5:180).
12. Fox, *Vulpes vulpes palaestina*. Mandibles. a) Young animal (D.4:58); b) adult animal (C.8:13). Length of the checktooth row (P₁-M₂) of b), 52 mm.
13. Wildcat(?), *Felis silvestris tristrami*(?) (a); and domestic cat, "*Felis catus*" (b). Mandibles (D.2:28 and A.9:77). Length of the checktooth row (P₁-M₂), 21 and 18 mm.



14. Houbara bustard, *Chlamydotis undulata*. Tarsometatarsi.
 a) Female (findspot undesignated). Greatest length, 85 mm.;
 b) Male (C.7:1). Greatest distal breadth, 15.8 mm.
15. Great bustard, *Otis tarda*, female. Tarsometatarsus (C.1:140). Greatest proximal breadth, 20.2 mm.
16. Crane, *Grus grus*. Tibiotarsus, distal (C.1:126).
17. Griffon vulture, *Gyps fulvus*. Cross-bored claw bone (C.5:177).
18. Young peregrine falcon, *Falco peregrinus*, female, or *Falco pelegrinoides*, female. Humerus, proximal (C.2:9).
19. (?) Brown-necked raven, *Corvus ruficollis*. Ulna, proximal (B.1:103). Greatest length, at least 90 mm.



A. Portrayal of a zebu from the Byzantine mosaic unearthed in 1976 in the church on Mount Nebo. Photo: A. von den Driesch (with the approval of the excavation director).



B. Nubian ibex, *Capra ibex nubiana*, male. Horncore (C.4:22). Photo: Alvin Trace.