

KAVOUSI IIB

The Late Minoan IIIC Settlement at Vronda
The Buildings on the Periphery



KAVOUSI

The Results of the Excavations at Kavousi in Eastern Crete

directed by

Geraldine C. Gesell, Leslie Preston Day,
and William D.E. Coulson

sponsored by

The University of Tennessee

under the auspices of

The American School of Classical Studies at Athens





Frontispiece. Krater N3 P2 from Building N Room N3. Digital reconstruction by Matthew Miller.

PREHISTORY MONOGRAPHS 39

KAVOUSI IIB

The Late Minoan IIIC Settlement at Vronda The Buildings on the Periphery

by

Leslie Preston Day and Kevin T. Glowacki

contributions by

Heidi Dierckx, M.E. Evans, Kimberly Flint-Hamilton,
Geraldine C. Gesell, David S. Reese, and Lynn M. Snyder

edited by

Geraldine C. Gesell and Leslie Preston Day



Published by
INSTAP Academic Press
Philadelphia, Pennsylvania
2012

Design and Production

INSTAP Academic Press

Printing and Binding

Thomson-Shore, Inc., Dexter, MI

Library of Congress Cataloging-in-Publication Data

Day, Leslie Preston.

Kavousi IIB : the late Minoan IIIC settlement at Vronda : the buildings on the periphery / by Leslie Preston Day and Kevin T. Glowacki ; contributions by Heidi Dierckx, M.E. Evans, Kimberly Flint-Hamilton, Geraldine C. Gesell, David S. Reese, and Lynn M. Snyder ; edited by Geraldine C. Gesell and Leslie Preston Day.

pages cm. — (Prehistory monographs ; 39)

Includes bibliographical references and index.

ISBN 978-1-931534-69-7 (hardcover : alkaline paper)

1. Kavousi Region (Greece)—Antiquities. 2. Excavations (Archaeology)—Greece—Kavousi Region. 3. Historic buildings—Greece—Kavousi Region. 4. Dwellings—Greece—Kavousi Region. 5. Minoans—Greece—Kavousi Region—Social life and customs. 6. Kavousi Region (Greece)—Social life and customs. I. Glowacki, Kevin T. (Kevin Thomas), 1961- II. Dierckx, Heidi. III. Gesell, Geraldine Cornelia. IV. Title. V. Title: Kavousi II B. VI. Title: Kavousi 2B.

DF261.K4D395 2012

939'.18—dc23

2012026163

Copyright © 2012

INSTAP Academic Press

Philadelphia, Pennsylvania

All rights reserved

Printed in the United States of America



Table of Contents

List of Tables.....	ix
List of Charts.....	xi
List of Figures.....	xv
List of Plates.....	xxi
Preface.....	xxvii
List of Abbreviations.....	xxix
Glossary.....	xxxix
1. Building Complex E, <i>Leslie Preston Day</i> with contributions by <i>Heidi Dierckx, Geraldine C. Gesell, David S. Reese, and Lynn M. Snyder</i>	1
History and Details of Excavation.....	2
Building E, West House.....	2
Building E, East House.....	20
North of Building E.....	40
History and Function of Building Complex E.....	44

2. Building F, <i>Leslie Preston Day</i> with contributions by <i>Heidi Dierckx, Geraldine C. Gesell, and Lynn M. Snyder</i>	47
3. Kiln and Surrounding Area, <i>Leslie Preston Day</i> with contributions by <i>Heidi Dierckx, David S. Reese, and Lynn M. Snyder</i>	51
Date and Use of Kiln.....	56
4. Building Complex I-O-N, <i>Kevin T. Glowacki</i> with contributions by <i>Heidi Dierckx, Kimberly Flint-Hamilton, David S. Reese, and Lynn M. Snyder</i>	57
History and Details of Excavation.....	57
Building I.....	58
Periphery of Building I.....	90
Building O.....	92
South of Building O.....	105
Building N.....	106
West of Building N.....	130
History and Function of Building Complex I-O-N.....	132
5. Building Complex L-M, <i>Leslie Preston Day</i> with contributions by <i>Heidi Dierckx, Kimberly Flint-Hamilton, David S. Reese, and Lynn M. Snyder</i>	141
History and Details of Excavation.....	142
Building L, South.....	142
Building L, North.....	148
Building M.....	151
Area over and around Building Complex L-M.....	154
Periphery of Buildings L and M.....	156
History and Function of Building Complex L-M.....	159
6. Other Areas in the Environs of the Vronda Ridge, <i>Leslie Preston Day</i> with contributions by <i>Heidi Dierckx, Geraldine C. Gesell, David S. Reese, and Lynn M. Snyder</i>	161
West Slope of Vronda Ridge.....	161
Area to the West and Northwest of Building Complex C-D.....	163
Area to the South of the Vronda Ridge.....	170
Area to the East of the Vronda Ridge.....	171
Area to the North of the Vronda Ridge.....	172
Area to the West of the Vronda Ridge.....	174
Miscellaneous Surface Finds.....	176

Appendix A: Archaeomagnetic Results from Kavousi, <i>M.E. Evans</i>	177
Bibliography.	181
Index.	187
Tables	
Charts	
Figures	
Plates	



List of Tables

- Table 1. Building E, West House, Rooms E1, E4, E6, and north of E1: summary of faunal remains.
- Table 2. Building E, West House, Rooms E1, E4, and north of E1: summary of marine shells.
- Table 3. Building E, East House, Rooms E2, E3, and E5: summary of faunal remains.
- Table 4. Building E, East House, Rooms E2, E3, E5, E7, and Courtyard: summary of marine shells.
- Table 5. Building E, West House, Room E7 and Courtyard; north of Building E: summary of faunal remains.
- Table 6. Building F: summary of faunal remains.
- Table 7. Kiln: summary of faunal remains.
- Table 8. Kiln: summary of marine shells.
- Table 9. Building I, Rooms I2–I5: summary of faunal remains.
- Table 10. Building I, Rooms I3 and I4: summary of marine shells.
- Table 11. Building I, Courtyard, Areas 1 and 2: summary of faunal remains.
- Table 12. Building I, Courtyard, Area 1: summary of marine shells.
- Table 13. Building I, Courtyard, Areas 2, 3, and 4: summary of marine shells.

- Table 14. Building I, Courtyard, Areas 3 and 4 and exterior east of Building I: summary of faunal remains.
- Table 15. Building O: summary of faunal remains.
- Table 16. Building O: summary of marine shells.
- Table 17. Building N, Rooms N1, N2, N4, and N5: summary of faunal remains.
- Table 18. Building N, Rooms N1, N2, N4, and N5, and west of N4: summary of marine shells.
- Table 19. West of Building N, Room N4: summary of faunal remains.
- Table 20. Building L, Rooms L1, L2, L3, L2/3, and surface: summary of faunal remains.
- Table 21. Building L, Rooms L1, L2, and L2/3: summary of marine shells.
- Table 22. Building M, Room M1: summary of faunal remains.
- Table 23. Building M, Room M1: summary of marine shells.
- Table 24. Area west of Building L: summary of marine shells.
- Table 25. West Slope: summary of faunal remains.
- Table 26. West Slope, west of Vronda ridge, and north of Vronda ridge: summary of marine shells.
- Table 27. West Slope and west of Vronda ridge: summary of faunal remains.
- Table 28. North of Vronda ridge: summary of faunal remains.



List of Charts

- Chart 1. Building E, Room E1: percentage of wares.
- Chart 2. Building E, Room E1, cobble fill: percentage of recognizable coarse fabrics.
- Chart 3. Building E, Room E1, intermediate deposit: percentage of recognizable coarse fabrics.
- Chart 4. Building E, Room E1, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 5. Building E, Room E4: percentage of wares.
- Chart 6. Building E, Room E4: percentage of recognizable coarse fabrics.
- Chart 7. Building E, Room E2: percentage of wares.
- Chart 8. Building E, Room E2: percentage of recognizable coarse fabrics.
- Chart 9. Building E, Room E3: percentage of wares.
- Chart 10. Building E, Room E3: percentage of recognizable coarse fabrics.
- Chart 11. Building E, Room E5: percentage of wares.
- Chart 12. Building E, Room E7: percentage of wares.
- Chart 13. Building E, Room E7, floor deposit and above: percentage of recognizable coarse fabrics.

- Chart 14. Building E, Courtyard: percentage of wares.
- Chart 15. Building E, Courtyard: percentage of recognizable coarse fabrics.
- Chart 16. North of Building E: percentage of wares.
- Chart 17. Kiln: percentage of wares.
- Chart 18. Kiln: percentage of recognizable coarse fabrics.
- Chart 19. Building I, Room I1: percentage of wares.
- Chart 20. Building I, Room I1: below floor: percentage of recognizable coarse fabrics.
- Chart 21. Building I, Room I1, floor: percentage of recognizable coarse fabrics.
- Chart 22. Building I, Room I2: percentage of wares.
- Chart 23. Building I, Room I2, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 24. Building I, Room I3: percentage of wares.
- Chart 25. Building I, Room I3, fill below floor: percentage of recognizable coarse fabrics.
- Chart 26. Building I, Room I3, roofing to floor, including bin: percentage of recognizable coarse fabrics.
- Chart 27. Building I, Room I4: percentage of wares.
- Chart 28. Building I, Room I4, fill below earlier floor: percentage of recognizable coarse fabrics.
- Chart 29. Building I, Room I4, removal of earlier floor surface in northwest sounding: percentage of recognizable coarse fabrics.
- Chart 30. Building I, Room I4, removal of later floor surface in northwest sounding: percentage of recognizable coarse fabrics.
- Chart 31. Building I, Room I4, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 32. Building I, Room I5: percentage of wares.
- Chart 33. Building I, Room I5, fill below floor: percentage of recognizable coarse fabrics.
- Chart 34. Building I, Room I5, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 35. Building I, Courtyard, Area 1: percentage of wares.
- Chart 36. Building I, Courtyard, Area 2 sounding: percentage of wares.
- Chart 37. Building I, Courtyard, Area 2, outside sounding: percentage of wares.
- Chart 38. Building I, Courtyard, Area 3: percentage of wares.
- Chart 39. Building I, Courtyard, Area 4: percentage of wares.
- Chart 40. East of Building I: percentage of wares.
- Chart 41. Southeast of Building I: percentage of wares.
- Chart 42. Building O, Room O1: percentage of wares.
- Chart 43. Building O, Room O1, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 44. Building O, Room O1, red clay layer: percentage of recognizable coarse fabrics.
- Chart 45. Building O, Room O2: percentage of wares.

- Chart 46. Building O, Room O2, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 47. Building O, Room O3: percentage of wares.
- Chart 48. Building O, Room O3, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 49. Building O, Room O4: percentage of wares.
- Chart 50. Building N, Room N1: percentage of wares.
- Chart 51. Building N, Room N1, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 52. Building N, Room N2: percentage of wares.
- Chart 53. Building N, Room N2, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 54. Building N, Room N3: percentage of wares.
- Chart 55. Building N, Room N3, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 56. Building N, Room N4: percentage of wares.
- Chart 57. Building N, Room N4, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 58. Building N, Room N5: percentage of wares.
- Chart 59. Building N, Room N5, roofing to floor: percentage of recognizable coarse fabrics.
- Chart 60. West of Building N, Room N4: percentage of wares.
- Chart 61. Building L, Room L1: percentage of wares.
- Chart 62. Building L, Room L1: percentage of recognizable coarse fabrics.
- Chart 63. Building L, Room L2: percentage of wares.
- Chart 64. Building L, Rooms L3 and L2/3: percentage of wares.
- Chart 65. Building L, Rooms L3 and L2/3: percentage of recognizable coarse fabrics.
- Chart 66. Building M, Room M1: percentage of wares.
- Chart 67. Building M, Room M1: percentage of recognizable coarse fabrics.
- Chart 68. Building Complex L-M, fill of and surface over Tholos VIII: percentage of wares.
- Chart 69. West of Building Complex L-M: percentage of wares.
- Chart 70. West of Building Complex L-M: percentage of recognizable coarse fabrics.



List of Figures

- Figure 1. Vronda, state plan.
- Figure 2. Vronda, plan of grid over site.
- Figure 3. Vronda, plan of LM IIIC settlement.
- Figure 4. Building Complex E, state plan.
- Figure 5. Building Complex E, plan of LM IIIC buildings.
- Figure 6. Building E, West House, north–south section a–a' through Rooms E1, E4, and E6.
- Figure 7. Building E, Room E1, east–west section c–c' of south balk of V 1300.
- Figure 8. Building E, Room E1, cobble fill, pottery: fine wares (**E1 P1–E1 P19**).
- Figure 9. Building E, Room E1, cobble fill, pottery: medium-coarse (**E1 P20–E1 P26**) and cooking (**E1 P27–E1 P32**) wares.
- Figure 10. Building E, Room E1, cobble fill, pottery: cooking wares (**E1 P33–E1 P42**).
- Figure 11. Building E, Room E1, cobble fill, pottery: coarse wares (**E1 P43–E1 P55**).
- Figure 12. Building E, Room E1, cobble fill, pottery: coarse wares (**E1 P56–E1 P62**) and terracotta objects (**E1 TC1–E1 TC4**).

- Figure 13. Building E, Room E1, intermediate deposit, pottery: fine (**E1 P63**, **E1 P64**), medium-coarse (**E1 P65–E1 P67**), and cooking (**E1 P68–E1 P70**) wares.
- Figure 14. Building E, Room E1, intermediate deposit, pottery: cooking wares (**E1 P71–E1 P77**).
- Figure 15. Building E, Room E1, floor and roofing deposit, pottery: fine wares (**E1 P78–E1 P90**).
- Figure 16. Building E, Room E1, floor and roofing deposit, pottery: fine (**E1 P91–E1 P102**), medium-coarse (**E1 P103–E1 P108**), and cooking (**E1 P109**) wares.
- Figure 17. Building E, Room E1, floor and roofing deposit, pottery: cooking (**E1 P110–E1 P114**) and coarse (**E1 P115**) wares.
- Figure 18. Building E, Room E1, floor and roofing deposit, pottery: coarse wares (**E1 P116–E1 P119**).
- Figure 19. Building E, Room E1, floor and roofing deposit, pottery: coarse wares (**E1 P120–E1 P132**).
- Figure 20. Building E, Room E1, floor and roofing deposit, pottery: coarse wares (**E1 P133–E1 P135**).
- Figure 21. Building E, Room E1, floor and roofing deposit, pottery: coarse wares (**E1 P136–E1 P139**).
- Figure 22. Building E, Room E1, floor and roofing deposit, pottery: coarse ware (**E1 P140**) and pithoi (**E1 P141**, **E1 P142**).
- Figure 23. Building E, Room E1, floor and roofing deposit, pottery: pithoi (**E1 P143–E1 P144**).
- Figure 24. Building E, Room E1, floor and roofing deposit, pottery: pithoi (**E1 P145–E1 P148**) and stone bowl fragment (**E1 S1**); stone tumble: pottery (**E1 P149–E1 P151**).
- Figure 25. Building E, Room E4: pottery (**E4 P1–E4 P6**) and terracotta objects (**E4 TC1**, **E4 TC2**).
- Figure 26. Building E, West: east–west section b–b' through E1, E4, and E6.
- Figure 27. Building E: east–west section d–d' of north balk of V 800, through E1 and E2.
- Figure 28. Building E, Room E2, lower deposit: object (**E2 M1**) and pottery (**E2 P1**); floor and roofing deposit, pottery: fine (**E2 P2–E2 P11**) and medium-coarse (**E2 P12**, **E2 P13**) wares.
- Figure 29. Building E, Room E2, floor and roofing deposit, pottery: cooking (**E2 P14**) and coarse (**E2 P15–E2 P20**) wares.
- Figure 30. Building E, Room E2, pottery: pithoi (**E2 P21–E2 P26**).
- Figure 31. Building E, Room E2, pottery: pithoi (**E2 P27–E2 P30**) and objects (**E2 TC1**, **E2 TC2**).
- Figure 32. Building E, East House: east–west section f–f' of north balk of V 300 through Room E3 and Courtyard.
- Figure 33. Building E, Room E3: pottery (**E3 P1–E3 P7**).
- Figure 34. Building E, Room E5: pottery (**E5 P1–E5 P3**).
- Figure 35. Building E, East: east–west section g–g' of south balk of V 300 through E7.
- Figure 36. Building E, Room E7, floor and roofing deposit, pottery: fine (**E7 P1–E7 P4**) and medium-coarse (**E7 P5**) wares.
- Figure 37. Building E, Room E7, floor and roofing deposit, pottery: cooking wares (**E7 P6–E7 P9**).
- Figure 38. Building E, Room E7, floor and roofing deposit, pottery: coarse wares (**E7 P10–E7 P14**).
- Figure 39. Building E, Room E7, floor and roofing deposit, pottery: coarse wares (**E7 P15–E7 P19**).

- Figure 40. Building E, Room E7, floor and roofing deposit, pottery: coarse wares (**E7 P20–E7 P22**) and stone objects (**E7 S1, E7 S2**).
- Figure 41. Building E, East: east–west section e–e' of south balk of V 900 through E Courtyard.
- Figure 42. Building E, Courtyard, lower cobble fill, pottery: fine wares (**EC P1–EC P22**).
- Figure 43. Building E, Courtyard, lower cobble fill, pottery: medium-coarse (**EC P23–EC P29**) and cooking (**EC P30–EC P52**) wares.
- Figure 44. Building E, Courtyard, lower cobble fill, pottery: cooking (**EC P53–EC P58**) and coarse (**EC P59–EC P69**) wares.
- Figure 45. Building E, Courtyard, lower cobble fill, pottery: pithoi (**EC P70–EC P78**).
- Figure 46. Building E, Courtyard, upper cobble fill, pottery: fine (**EC P79–EC P89**) and medium-coarse (**EC P90–EC P94**) wares.
- Figure 47. Building E, Courtyard, upper cobble fill, pottery: cooking wares (**EC P95–EC P108**).
- Figure 48. Building E, Courtyard, upper cobble fill, pottery: coarse wares (**EC P109–EC P113**) and pithoi (**EC P114–EC P118**).
- Figure 49. Building E, Courtyard, floor deposit: pottery (**EC P119–EC P128**).
- Figure 50. North of Building E, lower deposit, pottery: fine (**EN P1, EN P2**) and coarse (**EN P3–EN P5**) wares; upper deposit, pottery: fine (**EN P6–EN P11**) and medium-coarse (**EN P12, EN P13**) wares.
- Figure 51. North of Building E, upper deposit, pottery: cooking (**EN P14–EN P21**) and coarse (**EN P22–EN P27**) wares.
- Figure 52. North of Building E, upper deposit, pottery: coarse wares (**EN P28–EN P31**) and pithoi (**EN P32–EN P35**).
- Figure 53. North of Building E, rock tumble: pottery (**EN P36–EN P42**) and terracotta object (**EN TC1**).
- Figure 54. Building E, phase plans.
- Figure 55. Building F, state plan.
- Figure 56. Building F: pottery (**F P3, F P4**) and terracotta figurine (**F F1**).
- Figure 57. Kiln. Plan of anomaly in geophysical survey.
- Figure 58. Kiln. Plan and section A–A'.
- Figure 59. Kiln. Stratigraphic section B–B'.
- Figure 60. Kiln. Reconstruction of firing chamber and its use.
- Figure 61. Kiln, pottery: fine (**KI P1–KI P10**) and cooking (**KI P11–KI P14**) wares.
- Figure 62. Kiln, pottery: cooking (**KI P15–KI P21**) and coarse (**KI P22–KI P24**) wares.
- Figure 63. Kiln, pottery: coarse wares (**KI P25–KI P28**) and pithos (**KI P29**); outside kiln: pottery (**KI P30**).
- Figure 64. Building Complex I-O-N, state plan.
- Figure 65. Building Complex I-O-N. Plan of LM IIIC buildings.
- Figure 66. Building I. Plan of building showing distribution of finds on latest floor surfaces.

- Figure 67. Building I, Room I1: pottery (**I1 P1–I1 P3**); Room I2: pottery (**I2 P1–I2 P5**); Room I3, fill beneath floor: pottery (**I3 P1–I3 P5**).
- Figure 68. Building I: east–west section c–c' through Room I2.
- Figure 69. Building Complex I-O-N: east–west section b–b' through Rooms I3, O2, and N2.
- Figure 70. Building I, Room I3, floor deposit, pottery: fine (**I3 P6–I3 P13**) and medium-coarse (**I3 P14**) wares.
- Figure 71. Building I, Room I3, floor deposit, pottery: medium-coarse (**I3 P15, I3 P16**), cooking (**I3 P17–I3 P20**), and coarse (**I3 P21**) wares.
- Figure 72. Building I, Room I3, floor deposit, pottery: pithos (**I3 P22**), cooking wares (**I3 P23**), and stone blossom bowl (**I3 S1**); pottery from rock tumble (**I3 P24, I3 P25**).
- Figure 73. Building I, Room I4: pottery (**I4 P1–I4 P18**).
- Figure 74. Building I, Room I5: pottery (**I5 P1–I5 P8**).
- Figure 75. Building I, Room I5: pithoi (**I5 P9–I5 P10**) and terracotta object (**I5 TC1**).
- Figure 76. Building I, Courtyard. State plan showing areas.
- Figure 77. Building I, Courtyard IC1, latest preserved courtyard surface: pottery (**IC1 P1–IC1 P19**).
- Figure 78. Building I, Courtyard IC1, wash: pottery (**IC1 P20–IC1 P27**) and terracotta objects (**IC1 TC1, IC1 TC2**).
- Figure 79. Building I: east–west section e–e' through Building I Courtyard and Room O3.
- Figure 80. Building I, Courtyard IC2, earlier courtyard surfaces: pottery (**IC2 P1–IC2 P12**).
- Figure 81. Building I, Courtyard IC2, dark soil above earlier surfaces: pottery (**IC2 P13–IC2 P26**).
- Figure 82. Building I, Courtyard IC2, latest preserved courtyard surface: pottery (**IC2 P27–IC2 P43**) and terracotta object (**IC2 TC1**).
- Figure 83. Building I, Courtyard IC3: pottery (**IC3 P1**) and terracotta object (**IC3 TC1**). Building I, Courtyard IC4: pottery (**IC4 P1–IC4 P6**). East of Building I: pottery (**IE P1–IE P3**). Southeast of Building I: pottery (**ISE P1, ISE P2**).
- Figure 84. Building O, Rooms O1–O2, state plan showing distribution of finds on latest floor surfaces.
- Figure 85. Building O, Room O1, floor deposit: pottery (**O1 P1–O1 P9**).
- Figure 86. Building O, Room O1: pottery from floor (**O1 P10, O1 P11**), pottery (**O1 P12–O1 P16**) and object (**O1 S1**) from rock tumble, and pottery from wash (**O1 P17**).
- Figure 87. Building O, Room O2, floor deposit: pottery (**O2 P1–O2 P11**).
- Figure 88. Building O, Room O2, floor deposit: pottery (**O2 P12–O2 P16**) and object (**O2 TC1**); stone tumble: pottery (**O2 P17–O2 P20**); wash: pottery (**O2 P21**).
- Figure 89. Building O, Rooms O3–O4. State plan showing distribution of finds on floor surfaces.
- Figure 90. Building O: east–west section d–d' through Rooms O3 and N1.
- Figure 91. Building O, Room O3: pottery (**O3 P1–O3 P10**) and terracotta object (**O3 TC1**).
- Figure 92. Building O, Room O4: pottery (**O4 P1–O4 P6**).
- Figure 93. Building N, state plan showing distribution of finds on floor surfaces of Rooms N1–N2.

- Figure 94. Building N, Room N1, floor deposit, pottery: fine (**N1 P1–N1 P10**) and medium-coarse (**N1 P11–N1 P14**) wares.
- Figure 95. Building N, Room N1, floor deposit, pottery: cooking (**N1 P15–N1 P19**) and coarse (**N1 P20–N1 P22**) wares.
- Figure 96. Building N, Room N1, floor deposit: pottery (**N1 P23, N1 P24**) and terracotta objects (**N1 TC1–N1 TC3**); pottery from bin (**N1 P25, N1 P26**).
- Figure 97. Building N, Room N1: pottery from rock tumble (**N1 P27–N1 P31**), pit (**N1 P32, N1 P33**), and topsoil (**N1 P34**).
- Figure 98. Building N, Room N2, floor and roofing deposit, pottery: fine (**N2 P1–N2 P8**) and medium-coarse (**N2 P9**) wares.
- Figure 99. Building N, Room N2, floor and roofing deposit, pottery: cooking (**N2 P10**) and coarse (**N2 P11–N2 P14**) wares.
- Figure 100. Building N, Room N2, floor and roofing deposit, pottery: coarse wares (**N2 P15–N2 P18**); topsoil: pottery (**N2 P19**) and terracotta object (**N2 TC1**).
- Figure 101. Building N, state plan showing distribution of finds on floor surfaces of Rooms N3–N5.
- Figure 102. Building N, Room N3, floor and roofing deposit, pottery: fine wares (**N3 P1–N3 P4**).
- Figure 103. Building N, Room N3, floor and roofing deposit, pottery: fine (**N3 P5**), cooking (**N3 P6**), and coarse (**N3 P7–N3 P9**) wares; stone bead (**N3 S1**).
- Figure 104. Building N, state plan showing distribution of finds on floor surface of Room N4 and area to west.
- Figure 105. Building N: east–west section a–a' through Room N5.
- Figure 106. Building N, Room N4: pottery from floor and roofing (**N4 P1–N4 P4**) and topsoil (**N4 P5**).
- Figure 107. Building N, Room N5, floor and roofing, pottery: fine (**N5 P1–N5 P4**) and medium-coarse (**N5 P5–N5 P7**) wares.
- Figure 108. Building N, Room N5, floor and roofing, pottery: cooking wares (**N5 P8–N5 P13**).
- Figure 109. Building N, Room N5, floor and roofing, pottery: coarse wares (**N5 P14–N5 P17**).
- Figure 110. Building N, Room N5: pottery from oven (**N5 P18–N5 P21**) and rock tumble (**N5 P22–N5 P23**); west of Building N: pottery (**NW P1–NW P5**) and lead object (**NW M1**).
- Figure 111. Building Complex I-O-N. Restored block plan.
- Figure 112. Building Complex I-O-N. Diagram illustrating wall junctions.
- Figure 113. Building Complex I-O-N. Plan of identifiable architectural phases.
- Figure 114. Building Complex I-O-N. Distribution of collapsed roofing clay and areas disturbed by the construction of LG–EO graves.
- Figure 115. Building Complex I-O-N. Distribution of pottery types associated with floor surfaces.
- Figure 116. Building Complex I-O-N. Distribution of stone tool types associated with floor surfaces.
- Figure 117. Building Complex L-M, state plan.
- Figure 118. Building L, Room L1: north–south section b–b'.

- Figure 119. Building L, Room L1: pottery (**L1 P1–L1 P5**) and object (**L1 S1**).
- Figure 120. Building L, Room L2 and Tholos Tomb VIII: east–west section a–a'.
- Figure 121. Building L, Room L2, lower deposit: pottery (**L2 P1–L2 P19**).
- Figure 122. Building L, Room L2, floor and roofing deposit, pottery: fine (**L2 P20–L2 P28**), medium-coarse (**L2 P29**), and cooking (**L2 P30, L2 P31**) wares.
- Figure 123. Building L, Room L2, main deposit, pottery: cooking (**L2 P32–L2 P36**) and coarse (**L2 P37**) wares and pithos (**L2 P38**).
- Figure 124. Building L, Room L3: pottery (**L3 P1–L3 P5**); Room L2/3, pottery: fine (**L2/3 P1–L2/3 P6**) and cooking (**L2/3 P7, L2/3 P8**) wares.
- Figure 125. Building L, Room L2/3, pottery: cooking (**L2/3 P9–L2/3 P11**) and coarse (**L2/3 P12–L2/3 P14**) wares; terracotta object (**L2/3 TC1**).
- Figure 126. Building M, Room M1, pottery: fine wares (**M1 P1–M1 P15**).
- Figure 127. Building M, Room M1, pottery: cooking wares (**M1 P16–M1 P19**).
- Figure 128. Building M, Room M1, pottery: coarse wares (**M1 P20–M1 P26**).
- Figure 129. Building Complex L-M: pottery (**LM P1–LM P6**) and objects (**LM S1, LM S2**).
- Figure 130. West of Building Complex L-M: object (**LW M1**) and pottery (**LW P1–LW P12**).
- Figure 131. Building Complex L-M, phase plans.
- Figure 132. Vronda, West Slope, state plan.
- Figure 133. Vronda, West Slope: objects (**WS M1, WS S1, WS TC1**) and pottery (**WS P1–WS P6**).
- Figure 134. Vronda, West Slope: pottery (**WS P7–WS P10**), terracotta objects (**WS TC2, WS TC3**), and stone object (**WS S3**); Vronda, area to the north: figurine (**VN F1**); Vronda, area to the west: stone object (**VW S1**); Vronda surface (**V S1**).
- Figure 135. Vronda, plan of western periphery, including Tholos Tomb XI.
- Figure 136. Archaeomagnetic results from Late Minoan Crete.



List of Plates

- Plate 1A. Building E, Room E1, wall tumble and roofing over “closet” from southeast.
- Plate 1B. Building E, Room E1, surface of “closet” V 1303 and top of roofing debris during excavation from south.
- Plate 1C. Building E, Room E1, Wall V 1309 from west.
- Plate 1D. Building E, Room E1 from north.
- Plate 1E. Building E, Room E1, western Wall V 1301 and bench V 1307 from east.
- Plate 1F. Building E, Room E1, aerial view (north at top).
- Plate 2A. Building E, Room E1, western Wall V 1301 from east.
- Plate 2B. Building E, Room E1, southern part from east.
- Plate 2C. Building E, Room E1, “closet” V 1303, bench V 1307, and floor from southwest.
- Plate 2D. Building E, Room E1, bedrock after removal of cobble fill from east.
- Plate 2E. Building E, Room E1, fragments of pithos on floor from southwest.
- Plate 2F. Building E, Room E1, pottery on floor of “closet” V 1303 from southeast.

- Plate 3A. Building E, Room E1, jug (**E1 P117**) and amphora (**E1 P119**) on floor of “closet” from northeast.
- Plate 3B. Vat **E1 P45**, interior.
- Plate 3C. Cup **E1 P80**.
- Plate 3D. Jug **E1 P117**.
- Plate 3E. Amphora **E1 P119**.
- Plate 3F. Thelastron **E1 P132**.
- Plate 4A. Pithos **E1 P141**.
- Plate 4B. Pithos **E1 P142**.
- Plate 4C. Pithos **E1 P143**.
- Plate 4D. Pithoi **E1 P146** and **E1 P147**.
- Plate 4E. Building E, Room E4, leveling deposit from west.
- Plate 4F. Building E, stone tools (**E3 ST1**, **E4 ST2**, **E6 ST1**, **E6 ST3**).
- Plate 5A. Pithos **E4 P5**.
- Plate 5B. Building E, Rooms E5 and E6, aerial view (north at top).
- Plate 5C. Building E, Room E6, east (V 211) and south (V 213) walls from west.
- Plate 5D. North of Building E, Room E2, bench V 1364 from north.
- Plate 5E. Building E, Room E2, aerial view showing Wall V 901 and top of cobble fill (north at top).
- Plate 5F. Building E, Room E2, aerial view of southeast corner showing Walls V 1309 and V 802 (north at top).
- Plate 6. Building E, Room E2: kylix (**E2 P7**); kalathos (**E2 P18**); and pithoi (**E2 P23–E2 P25**, **E2 P29**).
- Plate 7A. Building E, Room E3, possible door in Wall V 321 during excavation from east.
- Plate 7B. Building E, Room E3, northwest corner below Grave 1 from south.
- Plate 7C. Pierced murex shell from Room E3, lower fill.
- Plate 7D. Cooking pot **E3 P5**.
- Plate 7E. Building E, Room E7, Wall V 321 from southeast.
- Plate 7F. Building E, Room E7, bin along Wall V 321 from east.
- Plate 8A. Building E, Room E7, pottery on floor from south.
- Plate 8B. Amphora **E7 P5**.
- Plate 8C. Tripod cooking pot **E7 P9**.
- Plate 8D. Building E, Courtyard, aerial view showing Wall V 901, soundings, and possible lower wall (north at top).
- Plate 8E. Building E, Courtyard, Wall V 901, possible lower wall, and cobble fill from east.
- Plate 8F. Cup **EC P2**.

- Plate 9A. Building F, aerial view (north at top).
- Plate 9B. Building F, doorway from south.
- Plate 9C. Building F, bench and door from south.
- Plate 9D. Building F, hearth in northeast corner from southwest.
- Plate 9E. Building F, sgraffito ware **F P1** and jug **F P2**.
- Plate 9F. Building F, stamped pithos **F P3**.
- Plate 10A. Kiln, aerial view (north at top).
- Plate 10B. Kiln from north.
- Plate 10C. Kiln from northwest.
- Plate 10D. Kiln from east.
- Plate 10E. Kiln. Detail of firing pit and central pedestal from west.
- Plate 10F. Kiln during excavation from southwest.
- Plate 11A. Building Complex I-O-N, aerial view in 1990 (north at top).
- Plate 11B. Building I, Room I1, aerial view (north at top). Rooms I2 and I3 are also partially visible.
- Plate 11C. Building I, Room I3 from west, showing hearth in center near scale.
- Plate 12A. Building I, Room I3, aerial view showing east wall (VW 9015), bench VW 9018, platform VW 9013, and oven VW 9021 (north at top).
- Plate 12B. Building I, Room I3, platform VW 9013 and oven VW 9021 after excavation of the western side, from south.
- Plate 12C. Building I, Room I3, oven VW 9021 from west.
- Plate 13A. Building I, Room I3, oven VW 9021 before excavation of the western side, from south.
- Plate 13B. Building I, Room I3, fragment of oven VW 9021 showing crude rim.
- Plate 13C. Building I, Room I3, bin VW 9108 from northeast.
- Plate 14A. Building I, Rooms I3 and I5, aerial view showing bin VW 9108 and *plakas* on floor (north at top).
- Plate 14B. Building I, Room I3, pyxis **I3 P15** and fragments of pithos **I3 P22** on floor during excavation, from northwest.
- Plate 14C. Building I, Room I3, blossom bowl **I3 S1** on floor during excavation, from west.
- Plate 15. Building I, Room I3: closed vessel **I3 P13**; pyxis **I3 P15**; tripod cooking pot **I3 P17**; lid **I3 P20**; blossom bowl **I3 S1**; stone bead **I3 S2**; stone tools **I3 ST3–I3 ST13**, **I3 ST15**.
- Plate 16A. Building I, Room I4 and Courtyard Areas 1 and 4, aerial view (north at top).
- Plate 16B. Building I, Room I4 from west, showing bench and stand.
- Plate 16C. Building I, Room I4, stand from west.
- Plate 16D. Building I, Room I4, sounding from east, showing west wall on bedrock.

- Plate 17A. Building I, Room I4, sounding from south, showing Wall VW 10106.
- Plate 17B. Building I, Room I4, sounding from south, showing earlier floor surface with kylix stem **I4 P2**.
- Plate 17C. Cooking pot **I4 P11**.
- Plate 18A. Building I, Room I5, pithos **I5 P9** and *plaka* on floor.
- Plate 18B. Building I, Room I5: pithos **I5 P9**; stone tools **I5 ST1–I5 ST4**.
- Plate 19A. Building I, Courtyard Areas 1, 2, and 4, aerial view (north at top).
- Plate 19B. Building O, Room O1, aerial view (north at top).
- Plate 19C. Building O, Room O1, bench VW 9114, east Wall VW 9106 and VW 9105, and post base from southwest. Room I3 is in the background.
- Plate 19D. Cooking dish **O1 P2**.
- Plate 20A. Building O, Room O2, aerial view of southern half (north at top).
- Plate 20B. Building O, Room O2, aerial view of northern half and Room O3 (north at top).
- Plate 20C. Building O, Rooms O1, O2, and O3: stirrup jar **O1 P16**; lid **O2 P15**; stopper **O2 TC1**; stone tools **O2 ST7, O3 ST2–O3 ST4, O3 ST6**.
- Plate 21A. Building O, Room O3, oven VW 11160 from south.
- Plate 21B. Building O, Room O3, oven VW 11160 from west.
- Plate 21C. Building O, Room O3, fragment of oven VW 11160, possibly part of a flue.
- Plate 21D. Building N, Room N1 from north, showing hearth.
- Plate 22A. Building N, Room N1: four views of a poorly fired earthen artifact from southern edge of hearth.
- Plate 22B. Building N, Room N1: two views of a poorly fired earthen artifact from west of hearth.
- Plate 22C. Building N, Room N1: krater **N1 P11**; cooking lid **N1 P18**; jug **N1 P31**; stone tools **N1 ST1–N1 ST4, N1 ST7–N1 ST10, N1 ST12**.
- Plate 23A. Building N, Room N2, aerial view of southern half, showing bench VW 10221 (north at top).
- Plate 23B. Building N, Room N2: amphora **N2 P9**; pithoid jar **N2 P14**; stopper **N2 P17**; and pithos **N2 P18**.
- Plate 24A. Building N, Room N3, aerial view (north at top).
- Plate 24B. Building N, Room N3, steps connecting Rooms N3 with N5, from north.
- Plate 24C. Building N, Room N3, floor surface in northern half of room showing pithos **N3 P9** and Wall VW 10223, from south.
- Plate 25. Building N, Room N3: large cup **N3 P1**; kraters **N3 P2** (three views), **N3 P3**; lid **N3 P4**; cooking jug **N3 P6**; pitharaki **N3 P8**.
- Plate 26A. Building N, Room N5 from southwest, showing hearth and platform VW 11308.
- Plate 26B. Building N, Room N5, hearth from south.
- Plate 26C. Building N, Room N5, oven, showing pieces of top fitted in.

- Plate 27A. Building L, Room L1: kalathos **L1 P5**. Building N, Room N5: fenestrated stand **N5 P6**; cooking dish **N5 P8**; cooking lid **N5 P13**; conical cup **N5 P22**.
- Plate 27B. Building L, Rooms L1 and L2, aerial view (north at top).
- Plate 27C. Tholos Tomb VIII, aerial view (north at top).
- Plate 28A. Building L, Room L2, Wall V 7706 and foundation trench from south.
- Plate 28B. Building L, Room L2, cobbled surface during excavation from west.
- Plate 28C. Building L, Rooms L3 and L2/3, aerial view (north at top).
- Plate 28D. Building L, Room L2/3, deposit of smashed pots from west.
- Plate 28E. Building L, Rooms L2/3 and L3: tripod tray **L2/3 P7**; amphora **L2/3 P12**; and lekane **L3 P4**.
- Plate 29A. Building M, Room M1, aerial view (north at top).
- Plate 29B. Building M, Room M1, pottery deposit along Wall V 7616 from west.
- Plate 29C. Building M, Room M1: tripod cooking pot **M1 P16**; cooking jar or amphora **M1 P17**; and pithos **M1 P27**.
- Plate 29D. Stone tools from Building Complex L-M: **M1 ST1**, **L-M ST4**, **LW ST3**, **LW ST4**, **LW ST6**, **LW ST7**.
- Plate 30A. West of Building Complex L-M, Wall V 7505 from northwest.
- Plate 30B. West of Building Complex L-M, aerial view (north at top).
- Plate 30C. West of Building Complex L-M: stone block vase **WS S1**; stone weight **WS S2**; and krater **WS P7**.
- Plate 30D. Vronda, periphery on southwest, aerial view of VW 2000 (north at top).



Preface

Kavousi IIB: The Late Minoan IIIC Settlement at Vronda. Houses on the Periphery is the second volume in the final report on the cleaning and excavations at Vronda, Kavousi, which were conducted between 1983 and 1992 by Geraldine C. Gesell, Leslie Preston Day, and the late William D.E. Coulson. The first volume of the final report on the LM IIIC settlement, *Kavousi IIA: The Late Minoan IIIC Settlement at Vronda. The Buildings on the Summit*, describes the buildings on top of the Vronda ridge: Building A-B, Building Complexes C-D and J-K, and Buildings P, Q, and R (Day, Klein, and Turner 2009). *Kavousi IIB* describes the buildings on the slopes of the Vronda ridge: Building Complexes E, I-O-N, and L-M, Building F, and the pottery kiln, as well as areas excavated on the periphery that did not belong to any of these buildings. The division of the publication of the buildings into two sections is purely arbitrary and based on the topography of the site, although the locations of the buildings may have had some meaning for the ancient inhabitants. The third volume on the LM IIIC settlement, *Kavousi IIC*, consists of focused reports and analysis by specialists on the architecture, pottery, objects, and floral and faunal remains recovered in the excavations of Vronda, and it contains a reconstruction of the history of the site and of the society of the LM IIIC settlement. Reports on the LM IIIC Shrine (Building G) and the later Geometric cemetery at Vronda will follow as separate books. The Kavousi series will also include volumes on the excavations on the Kastro, a site high on the mountain above and to the east of Vronda.

A history of excavations at Kavousi can be found in *Kavousi* I (Haggis 2005, xvii–xix) and *Kavousi* IIA (Day, Klein, and Turner 2009, xxv–xxviii, 3–5) and will not be repeated here. Information on the topography of the site, the methodology employed in excavation, the cataloging of finds, and the presentation of the material in this publication are to be found in the first volume on the Vronda settlement (*Kavousi* IIA: Day, Klein, and Turner 2009, 1–14). The fabric types referenced in this report appear in the appendix to *Kavousi* IIA (Day, Klein, and Turner 2009, 163–167). The list of acknowledgments for the three volumes on the Late Minoan IIIC settlement at Vronda is in *Kavousi* IIA (Day, Klein, and Turner 2009, xxix–xxxv), and additional acknowledgments follow: Kevin Glowacki was supported by the College of Architecture, the Department of Architecture, and the Melburn G. Glasscock Center for Humanities Research at Texas A&M University, and is grateful to Charles Paget, Nancy Klein, and Matthew Miller for their help.

Building E was excavated in 1984 and 1987, and balk removal and cleaning occurred in 1988 and 1995. William Coulson, Margaret Mook, and Elizabeth Fisher were responsible for the excavations, and Michael Hoff and Kevin Glowacki cleaned the building in subsequent seasons. Building F was excavated by Elizabeth Fisher in 1987 and Mark Lawall in 1988. The kiln was uncovered in 1987 by Donald Haggis, and the structure was covered again with soil for protection in that same year. The excavation of Building Complex I-O-N was conducted by Kevin Glowacki in 1987–1992; John Lenz joined him to excavate in the Building I Courtyard in 1988, and Jane Carter and Elizabeth Langridge-Noti supervised work in Buildings O and N in 1990. Building Complex L-M was uncovered by Pedar Foss in 1988, by David Toye and Donald Haggis in 1989, and by Lee Ann Turner in 1990. Those who dug in the peripheral trenches that were not part of the settlement included the following supervisors: Deanna Dicer (west slope), Louise Hitchcock (north slope), Marina Markantonatos (southwest area), Jeremy McInerney (west slope), Julia Shear (west terrace), Jeffrey Soles (west terrace), Susan Springer (west terrace), Ben Venable (west slope), Morris Weiss (southeast slope), and Catherine Woolfit (west slope).

This volume on the Vronda settlement has been jointly authored, and the name of its particular author has been placed at the head of each chapter. Everything within a chapter, including the catalog entries, is the work of this author except for the following: the catalogs and discussions of terracotta figurines are by Geraldine C. Gesell; the catalogs of stone tools are by Heidi Dierckx; the discussion and tables of faunal remains are by Lynn M. Snyder; tables and discussions of marine shells are based on the work of David Reese; identifications of palaeobotanical remains are based on the research of Kimberly Flint-Hamilton.

Leslie Preston Day
Crawfordsville, IN 2010

Kevin T. Glowacki
College Station, TX 2010



List of Abbreviations

The following chronological abbreviations are used (Final Neolithic and Bronze Age dates are based on Warren and Hankey 1989 and Nowicki 2003).

FN	Final Neolithic (ca. 4000–3200 B.C.)	G	Geometric (ca. 900–700 B.C.)
EM	Early Minoan (ca. 3200–2100 B.C.)	LG	Late Geometric (ca. 760–700 B.C.)
MM	Middle Minoan (ca. 2100–1600 B.C.)	EO	Early Orientalizing (ca. 700–660 B.C.)
LM	Late Minoan (ca. 1600–1100 B.C.)	V	Venetian (early 13th–17th century A.D.)
SM	Subminoan (ca. 1100–1000 B.C.)	Ott.	Ottoman (17th century–1900 A.D.)
PG	Protogeometric (ca. 1000–900 B.C.)	Mod.	Modern (1900 A.D.–present A.D.)

The following additional abbreviations are also used in this volume.

AF	alternating-field demagnetization	cm	centimeter
ca.	approximately	cont.	continued
cf.	comparable to (in faunal analyses)	d.	diameter

dim.	dimension	NE	northeast
E	east	NRM	natural remanent magnetization
est.	estimated	NW	northwest
ext.	exterior	pers. comm.	personal communication
g	gram	PMD	petrography sample by Peter M. Day
h.	height	pres.	preserved
IM	Ierapetra Museum number	S	south
int.	interior	SE	southeast
L.	length	SW	southwest
max.	maximum	th.	thickness
mm	millimeter	W	west
MNI	minimum number of individuals	w.	width
N	north	wt.	weight



Glossary

The text uses the following terms, which are specialized terminology or do not have exact English equivalents.

<i>aloni</i>	threshing floor with stone-built border, usually round (pl. <i>alonia</i>)
<i>Aves</i> sp.	unspecified species of bird
<i>Bos</i> sp.	unspecified species of domestic cow or ox
dint	thumb impression on pottery, generally at attachment of handle or leg
<i>Equus</i> sp.	unspecified species of horse, donkey, or mule
lekane	basin
<i>Lepus</i> sp.	hare or rabbit
pitharaki	small pithos or storage jar
<i>plakas</i>	large flat stones or pavers
<i>tsakali</i>	soft marl bedrock that can easily be cut; also called <i>kouskouras</i>
umbo	lateral prominence just above the hinge of a bivalve shell



1

Building Complex E

Leslie Preston Day

with contributions by

Heidi Dierckx, Geraldine C. Gesell, David S. Reese, and Lynn M. Snyder

Building E is located on the southeastern slope of the Vronda ridge (Figs. 1–3) and lies at a lower level than the houses on the summit. The rooms are oriented according to the topographical contour lines and run northeast to southwest. For ease of reference, directions for Building E will be given as if the building were rotated counterclockwise, so that the northeast end is called north and the southwest end is south.

At least two separate houses make up Building Complex E, although these were not distinguished by different designations at the time of excavation because it was not clear how the rooms were divided up into buildings. Rooms E1 and E4 comprise

the West House, while the East House is made up of Rooms E2, E3, E7, and the courtyard; Rooms E3 and E7 may represent a separate unit from E2. Of the two southern rooms, E5 appears to belong with the East House and E6 may relate to the West House, but because of erosion most of what was found in these two rooms belongs to the period before the construction of Building E. The area to the north of Building E contained no traces of architecture, and the cobble layer found here resembles the fill below the floors of Building E; the area may have contained a street or court. The material from this area will be discussed in a separate section.

History and Details of Excavation

The area southeast of the summit was first explored in 1984, when it was thought to have been part of Boyd's excavation. Although overgrown with bushes, four stones of Wall V 901 were showing above the surface and more walls lay just below the topsoil. Three rooms (E1–E3) and a courtyard were recognized in this cleaning and were uncovered in three trenches: V 800, V 900, and V 1300. Late Geometric Grave 1, which lay close to the surface, was removed in Trench V 800 in the northwest corner of Room E3. The finds and architecture from this area were published in preliminary form; although it was originally suggested that the building may have dated to the Protogeometric (PG) period (Day, Coulson, and Gesell 1986, 378–385), later analysis has now demonstrated that the entire Building E complex was constructed and used for habitation in Late Minoan (LM) IIIC.

During the 1987 season, four additional rooms (E4, E5, E6, and E7) were recognized and excavated in Trenches V 200, V 300, V 400, V 700, and V 1400 (Gesell, Day, and Coulson 1988, 286–287). Further work in the area was planned, but excavation could not continue to the south because of difficulties in acquiring the land. Later seasons saw the removal of several of the balks in the building, especially the north balk of Trench V 900, the east balk of Trench V 200 in 1988, and the north and east balks of V 1300 in 1992. During consolidation of the walls in 1994, the north balks of V 700 and V 800 in Room E1 were removed for safety; all the finds were recorded as Trench V 700 balk. Consolidation of the building was completed in 1995, and the floors were strewn with gravel.

The rooms of both buildings that make up the Building E complex share several peculiarities. The entire complex rested on a massive fill of cobbles that was brought in to level the irregular bedrock clefts for the construction of the buildings. The LM IIIC builders may have leveled earlier structures at this location to create this fill, or the fill may have been brought in from nearby; the small size of the stones, however, suggests that they would not have been suitable for wall construction. The fill contained large quantities of broken pottery, much of it diagnostic, all of earlier periods; because of erosion and post-abandonment disturbance, the quantity of pottery from this fill often surpassed that found on the floors. The fill seems to have been deposited into the area in batches; although no distinct stratigraphy was observed, there were lenses that contained uncontaminated pottery from several periods, including Early Minoan (EM) II, Middle Minoan (MM) IB–II, and MM III–LM IA.

The preservation in the rooms of the Building E complex was determined by topography. In general, the deposits were deeper against the bedrock spine of the hill, particularly in Room E1. Deposition decreased markedly toward the east (Room E2 and the courtyard) and toward the south (Rooms E4, E5, E6). Erosion or later human activity had removed much of the LM IIIC material in these areas, uncovering bedrock or the leveling fill for the complex. Greater deposition also occurred toward the southeast, over Room E7, possibly because the modern terrace wall that ran to the east encouraged the accumulation of soil.

Building E, West House (Rooms E1, E4, and E6)

The West House of Building E consisted of at least two large rooms, E1 and E4, connected by a doorway (Figs. 4–6). The area to the south, labeled E6, may also have been part of the structure, but its relationship to the other rooms of the house is unclear. Although the west wall of Room E4 had disappeared before excavation began, the entire building was

probably a long rectangle. Entrance into the building is uncertain because of the poor preservation of the walls of E4; doors may have existed in its south or west walls. In an earlier stage, entrance into the building may have been from the north, through what may originally have been a shallow stepped entrance. Joining fragments of pottery from Rooms E1 and E2

originally suggested the possibility that Building E East House was part of the same structure as the West House (Day, Coulson, and Gesell 1986, 381), but it is more likely that the joining pottery came from rock tumble that fell into both rooms after they were abandoned.

A total of 687 bones and bone fragments were recovered from the excavated deposits in the West

House of Building E. Of these, three specimens bore cut marks, and 10 specimens were burned. The majority of faunal materials (541 specimens, 78.7%) came from Room E1, while Room E4 produced 68 bone fragments (9.9%). An additional 21 specimens were recovered from Room E6. The area to the north of the “closet” and Room E1 produced 57 bone fragments.

ROOM E1

History and Details of Excavation

Room E1 was excavated over three years in three trenches, and its complex stratigraphy made interpretation difficult (Figs. 4, 5). In Trench V 1300, which included the largest portion of the room and the deepest deposition, the presence of a bench and “closet” caused unevenness in the soil layers; the roofing debris was higher over the bench and “closet” than on the floor (Pl. 1A), and some of the roofing clay and the material embedded in it over the bench and “closet” were removed with the rock tumble above (Pl. 1B). Some Geometric material, possibly fallen from Grave 37 above, was mixed in with the rock tumble, resulting in an error in dating the pottery to Early Protogeometric to Middle Protogeometric in a preliminary publication (Day, Coulson, and Gesell 1986, 378–381); further study has confirmed that the building went out of use at the same time as the others on Vronda at the end of LM IIIC. In the southeastern corner of the room (V 806), excavated in 1984, the roofing clay thinned out and could not be recognized. The southern section of the room, excavated in Trench V 700 in 1987, produced a deposit of earlier material of MM III–LM IA that apparently rose high in that area. Fortunately, in the removal of the north balks of V 700 and V 800 during consolidation in 1994, the stratigraphy in the room was clarified.

Architecture and Features

Room E1 is a large rectangular area measuring 4.6–4.9 m N–S x 3.25–3.7 m E–W (total roofed area 17.1 m²; Figs. 4, 5). It contained a hearth set slightly south and west of center, a bench (V 1307) along

the west wall, and a “closet” at the northern end (V 1303). The construction of the east wall (V 1309/V 803) is complicated, since it has a jog at the north end. It is irregularly constructed of large stones, including breccia boulders, with some flat limestone blocks used as leveling (Pl. 1C). It measures roughly 0.70 m in width, except where it incorporates a large bedrock boulder, 1.1 m wide, near its northern end. It is never preserved more than two courses (0.78 m) high. The south wall (V 701; Pl. 1D) measures 0.70 m in width and is similar in construction, mostly limestone, but incorporating several breccia boulders. The doorway in this south wall (V 709) is 1 m wide, its threshold constructed of small flat limestone pavers; at the ends of the walls on either side of the doorway are roughly dressed limestone blocks. The west wall (Wall V 1301) was laid against the bedrock, which had been dressed to create a smoother and straighter surface. Limestone blocks were inserted to even up gaps in the bedrock but never in regular courses (Pl. 1E). A bench (V 1307) stands against Wall V 1301. It is in two sections; the northern section is a triangle that bounds the “closet” on the west and may be a stand or platform (Pls. 1F, 2A). The southern section of the bench is 2.6 m long and 0.55–0.75 m wide and ends just opposite the hearth (Pl. 2B). The bench is constructed on top of a spur of bedrock and stands only a single course high in most places, except toward the south, where it is constructed of two or three layers of stone. Both the west wall and the bench disappear south of the hearth (Pl. 2B). The bench may never have continued beyond this point or it may have collapsed or eroded away after the abandonment of the building.

The northern end of Room E1 is most unusual. In the center of the northern side is a small paved

area (V 1303), approximately 0.30 m higher than the floor and measuring roughly 1.15 m N–S by 1.15–1.30 m E–W; Pl. 2C). A wall or step (V 1305) formed by a single row of stones in three courses lies at the northern end of the cobble paving. To the north of V 1305 is a space measuring 1.2–1.4 m, bordered on the north by another parallel wall (V 1306). It is difficult to know what this feature is. Because the paved area was found full of pottery it was originally interpreted as a small storage area or a “closet,” but the joins of pottery here with pottery in the room’s floor deposit indicate that the paved area was open to the room and functioned like a bench at the time of abandonment. It is also possible that it may originally have served as a stepped entrance into the building from the north, which perhaps was blocked off in a later phase to form an extension of the bench. This theory has some attraction since no other entrance into the building has been found.

The floor of Room E1 was laid on the cobble leveling fill. As usual in the houses on Vronda, the floor surface was not uniformly preserved; the very hard roofing clay ended and the cobbled layer began, and since the clay above was harder than the cobbles it was difficult to recognize the actual hard-packed floor. A patch of harder red clay set slightly above floor level was identified as a hearth. It was positioned near the west wall, close to the center of the room, and was roughly oval in shape, measuring 1.25 m E–W by 1 m N–S. No trace of any curbing was found around it, and the clay was not as hard as the hearths found elsewhere on the site; it most resembled those found in Building N, Room N4 and in the Shrine, Room G2.

Stratigraphy

Preserved by the bedrock outcrop on the northwest, the deposit in Room E1 was deep and complex (Fig. 7), especially in the northwest corner, and included one of the most complete LM IIIC floor assemblages found on the site.

A deep fill of cobble-sized stones and brown soil had been put in to level the uneven bedrock (Fig. 7; Pls. 1F, 2D) for the floor of Building E (V 1302 Level 5; V 708.9–10). This deposit was rich in pottery, particularly in diagnostic fragments. The material was mixed in date, including much

MM II but also some EM II pottery, especially toward the bottom. The presence of a few LM IIIC fragments mixed in with the cobbles down to bedrock indicates that the fill was put in at the time of the construction of Building E, and in most places in the room the floor was laid directly on the cobble fill. In the southern section of Room E1 (V 708), however, an additional deposit of small stones and soil containing pottery of MM III–LM IA date was recognized as intermediate between the lower cobble fill and the floor and roofing debris (V 708.6–8). This deposit did not extend over the entire room and was not recognized in the excavation of V 1300 or V 806. Nevertheless, fragments of MM III–LM IA date were found in the floor deposit in V 1300 and the V 700 balk removal. This deposit is likely to have been part of the leveling fill, but taken from another area containing sherds of MM III–LM IA date.

The floor itself (V 753), although difficult to recognize (Pl. 2C), was marked by the presence of the hearth, much carbon, and many fragments of nearly complete pithoi (Pl. 2E) and other pottery. Found smashed on the stone pavers of the “closet” were a fine-ware cup bearing blob decoration (**E1 P80**), two deep bowls (**E1 P83**, **E1 P96**), parts of a kylix (**E1 P90**), a coarse krater (**E1 P115**), a jug (**E1 P117**), a thelastron (**E1 P132**), a lekane or pithoid jar (**E1 P135**), an amphora (**E1 P119**), and a pitharaki (**E1 P133**; Pls. 2F, 3A), along with many fragments of the vessels that were found on the floor of the room.

Above the floor was a layer of roofing clay that varied in depth (V 708.4–5, V 752, V 1302 Level 4, V 1303 Level 4, V 1300.5, V 1300.8), rising higher over the “closet” and bench and containing some rock tumble; some of this deposit was removed together with the rock tumble above it (V 1300 Level 3). The roofing apparently did not fall into the southeast corner (V 806), where rock tumble fell directly onto the floor. Rock tumble (V 708.2–3, V 751, V 806 Level 2, V 1302 Level 2) from the collapse of the walls of Building E and structures on the slopes above overlay the roofing and rose almost immediately to the topsoil (V 708.1, V 750, V 806 Level 1, V 1300 Level 1); everywhere it was disturbed, as can be seen from the number of vessels from a variety of periods. A fragment of Goddess 11 from the Shrine was found in the soil covering the

doorway into Room E4; this object, the bar from the tiara of the figure (V87.6), is discussed with the material from the Shrine. At least two cups of Late Geometric (LG) date were included in the tumble, no doubt fallen from Grave 37 located above Room E1 to the northwest. There was also a good deal of later pottery from the Venetian occupation of the area, related to the use of Building F to the west.

Pottery

The pottery from Room E1 was originally studied in 1984. Because of limited available storage space many of the non-diagnostic coarse body fragments were discarded at that time. Although weighed, the discarded fragments were not counted, and since the coarse ware typology had not yet been established, there is no record of the fabrics that were thrown away. All statistics that refer to the count, the percentages of coarse wares, and the fabric types for Room E1 are thus incomplete. In total, Room E1 produced over 3,783 fragments weighing a total of 97.61 kg (Chart 1).

The cobble fill below Room E1 contained an unusually large amount of pottery (over 854 fragments weighing 24.54 kg), including a large proportion of diagnostic pieces and fine wares. All of the ceramic material in the deposit from top to bottom was mixed in date, including EM II, MM II, MM III–LM IA, and LM IIIC pieces. Dating individual fragments is thus difficult and is based on fabrics (Chart 2) or on parallels from elsewhere on the site and from other Cretan sites.

Early Minoan pottery consisted almost entirely of cooking wares, especially those that were slipped (or painted) and burnished (**E1 P27**, **E1 P28**). There were some EM coarse wares as well, such as basin **E1 P44**, which has a parallel at Knossos in EM IIA (Wilson 1985, 336, fig. 31:284).

Vessels of MM II date formed the bulk of the deposit. Fine, thin-walled monochrome or light-on-dark decorated pottery was most recognizable, including carinated cups with ribbon handles, sometimes with rivets at the attachment to the body. Straight-sided cups were also found (**E1 P15**, **E1 P16**), as were fine conical cups (**E1 P20**), bridge-spouted jars (**E1 P9**), and an amphora (**E1 P10**). The hole-mouthed jar (**E1 P12**) may also belong with this MM II phase. Medium-coarse

cups were common; the incurved rim of **E1 P22** finds parallels in MM IIB Kommos (Shaw and Shaw, eds., 2006, 282, pl. 3.3:Ba/1). Much of the coarse ware could be assigned to MM on the basis of the fabric types, all of them containing granodiorite inclusions (Types II/VI and III). One pithos (**E1 P61**) is similar to examples from MM Phaistos and Malia (see below). Also diagnostic of MM II is the coarse fruitstand/brazier (**E1 P50**).

Diagnostic MM III–LM IA pottery appeared in areas other than in front of the door in the south wall, although it was not as plentiful as the MM II pottery. Cups **E1 P1**, **E1 P2**, **E1 P6**, and **E1 P7** find parallels in MM III–LM I deposits on Crete, as does jug **E1 P13** with its spiral decoration. The many conical cups in medium-coarse or coarse Type IV fabric may also be dated to this phase (e.g., **E1 P46**–**E1 P48**). Most of the cooking vessels may also date to this period, particularly those of phyllite fabrics with incurving rims (**E1 P31**, **E1 P32**, **E1 P35**, **E1 P36**, **E1 P37**, **E1 P38**, **E1 P40**), which find parallels at Palaikastro (Knappett and Cunningham 2003, 135–136, figs. 20:177, 20:179, 21:178, 180). A large open basin with incised decoration (**E1 P45**) was interpreted as a beehive because of the scoring on the interior, but parallels at MM II Malia (Poursat and Knappett 2005, 50, pl. 46:222, 226), MM III Palaikastro (Knappett and Cunningham 2003, 169–170, fig. 46:444 and references to unpublished material cited there), and LM I Mochlos (Barnard and Brogan 2003, fig. 16:IB.282, IB.283) suggest that it was a large basin or vat.

Finally, there is some LM IIIC pottery in nearly every pottery pail. Some possible deep bowl fragments may belong to this phase, but most diagnostic are the fragments of LM IIIC coarse fabrics, particularly Type X/XI. The presence of these fabrics throughout suggests that the fill was put in to level the area for the construction of Building E in LM IIIC. Since all this pottery represents dump, it cannot provide data concerning room function.

The intermediate deposit in front of the door in the southern wall also contained large quantities of pottery (over 729 fragments weighing 7.54 kg), but it was very different from the material above or below it, both in quantity and in nature. There were many cooking pots with straight or in-turned rims and oval or thick elliptical tripod legs, resembling the deposit found on the summit west of Building A

in V 2605 (Day, Klein, and Turner 2009, 22–26). Similar shapes can be found in MM III deposits at Knossos (Catling, Catling, and Smyth 1979, 41, fig. 28:182) and Palaikastro (Knappett and Cunningham 2003, 135, 136, 157, figs. 20:177, 179, 21:178, 37:287, 296). Many of the cooking pots show the internal ribbing that is a feature of cooking pottery of MM III–LM IA at Palaikastro. The fabrics are largely Types I, IV, and XXVI, with little of the Type II/VI found in the EM and MM II deposits (Chart 3). The fine ware is not diagnostic. The single nearly complete vessel, a conical cup (**E1 P63**), has a very close parallel in a MM IIB deposit at Knossos (Popham 1974, 187, fig. 6:10), and there are other MM II fragments, including carinated cups. Two other cooking pots (**E1 P69**, **E1 P70**) have parallels in MM III Knossos (Catling, Catling, and Smyth 1979, 38, fig. 26:165; 41, fig. 28:182). The intermediate deposit may represent a lens of MM III–LMIA material brought in as fill from a source other than the cobbles used in the rest of the room.

The roofing material and floor deposit from Room E1 was enormous (over 1,002 fragments weighing 31.24 kg), chiefly because of the pithoi and other large coarse shapes left in the room (Chart 4). The whole or nearly complete vessels were of LM IIIC date, but fragments of earlier material were scattered among them, probably from the cobble fill below. One cooking pot fragment (**E1 P106**) may belong to the Final Neolithic (FN)–EM phase, to judge from parallels from Knossos (Wilson 1985, 296, fig. 8:4). There were several MM shapes, including a bridge-spouted jar (**E1 P92**), other jars (**E1 P93**), and cups (**E1 P94**, **E1 P99**); also included was a MM II coarse vessel with scored decoration similar to examples from the cobble fill under Building E. All cooking wares were of the earlier EM–MM II fabrics (Types II/VI) or of MM III (**E1 P110**); another cooking pot rim (**E1 P112**) may also be earlier. Of MM III–LM IA date was the Vapheio cup fragment (**E1 P81**). At least three examples exist of a MM III type cooking bowl (**E1 P124**, **E1 P125**, **E1 P126**) like those from Mochlos (Barnard and Brogan 2003, fig. 11:IB.246–IB.249). Medium-coarse and coarse wares included fragments of conical cups of MM III–LM I date (**E1 P103**, **E1 P104**, **E1 P105**) that probably came from the intermediate deposit; since many of these resembled the bases from the earlier deposits under Room E1 and elsewhere on

the site, they were not cataloged. The fragments of at least two “spinning bowls” from this deposit (**E1 P122**, **E1 P123**) are also probably from earlier periods (Floyd 1999), as is bowl **E1 P121**.

The majority of the whole or nearly complete vessels from the floor deposit in E1, however, were LM IIIC in date. Fine decorated wares were comparatively scarce but included a cup with blob decoration (**E1 P80**), along with deep bowls with uncertain decoration (**E1 P83**, **E1 P84**), another with blob decoration (**E1 P85**), and one monochrome (**E1 P96**); the latter was previously published as a cup (Day, Coulson, and Gesell 1986, fig. 12:31). The large carinated kylix (**E1 P89**) found scattered all over the room is similar to one found north of the “closet” (**E1 P152**) and to one from Room B8 of Building B, and fragments may have fallen in from Building B, Room B7. There was a surprising lack of cooking wares found in the roofing to floor deposit and fewer nearly complete shapes than was usual in the other houses on the site. The only cooking pot that was nearly complete (**E1 P111**) belongs to the common collared type of LM IIIC. Tripod legs are large and round, with dints at the top and/or slashes on the legs. Only one large fragment of a cooking dish of LM IIIC type was found (**E1 P109**). Nearly complete coarse pottery was plentiful, including a large krater (**E1 P115**), a decorated jug (**E1 P117**), a thelastron (**E1 P132**), two amphorae (**E1 P119**, **E1 P120**), a scuttle (**E1 P128**), and a variety of jars (**E1 P131**, **E1 P134**) and pithoid jars (**E1 P135**–**E1 P139**). In addition, pitharakia were recovered (**E1 P133**), as were an extraordinarily large number of pithoi, which comprised eight or more vessels (**E1 P141**–**E1 P148**). These are of a variety of fabrics and were decorated with many different designs. The pottery suggests that whatever else occurred in the room, large- and small-scale storage was an important function.

The upper deposit of rock tumble, in the areas where it was distinguished from the material from the wall collapse mixed with roofing material, contained pottery of many different periods. Fragments of at least two Geometric monochrome cups probably fell from Grave 37, which was located somewhere above Building E (part of a skull was found in the excavation of the south wall of B7), and are cataloged with that grave. This upper deposit also included fragments of a Venetian

pithos with stamped decoration (**E1 P149**). The rest of the pottery was mixed, including MM cups and pithoi of LM III C fabrics.

The area north of the “closet” (V 1306) produced fragments of a kylix similar to the ones found in Rooms E1 and B8 (**E1 P150**), as well as a small jug (**E1 P151**). Fragments of the fenestrated stand found in Room B8 also appeared, suggesting that most of this material fell in from Building B above.

Objects

The only recognized objects from the cobble fill were fragments of four terracotta drain tiles (**E1 TC1–E1 TC4**). All of these were of Type IV fabric and could date to any period. What is clear is that the drain tiles were not connected with Building E but belonged to an earlier phase. From the intermediate deposit came a stone weight (**E1 ST1**). More objects were recovered from the floor and roofing deposits, including the handle of a stone bowl (**E1 S1**), probably of earlier date, and four stone tools: an abrader-pounder (**E1 ST2**), a pounder-pestle (**E1 ST3**), and two choppers (**E1 ST4**, **E1 ST5**). From the stone tumble came a whetstone (**E1 ST6**).

Faunal Remains

The cobble leveling fill below the floor in Room E1 produced 92 bone fragments (Table 1), including a domestic dog (*Canis familiaris*) ulna fragment, four domestic pig (*Sus scrofa*) elements (a right mandible and two probably associated teeth, and an ulna fragment), and three sheep/goat (*Ovis aries* or *Capra hircus*) elements (a left mandible segment, an isolated right tooth, and an innominate fragment). Eighty-four unidentifiable bone fragments were also recovered from this level, one of which was burned. The intermediate layer of fill produced an additional nine unidentifiable bone fragments. It is probable that these remains represent bone debris mixed among the leveling fill and cobbles, and thus are not directly associated with the occupation of the building. A murex (*Hexaplex trunculus*) shell also came from the cobble fill below the floor (Table 2).

The majority of bone fragments from this room were recovered in the roofing to floor deposit. In addition to 347 unidentifiable bone fragments (two of which were burned), this deposit also produced

a single rabbit or hare (*Lepus* sp.) element, one weasel or marten (Mustelidae) element, nine pig elements, one cattle (*Bos taurus*) element, and 67 sheep/goat bones or bone fragments. With the exception of the mustelid tibia fragment, the bones from this deposit appear to represent both butchering debris (cranial fragments and isolated teeth, lower limb bones) and food remains (front and hind limb bones). One element, a domestic sheep proximal radius, bore cut marks below the epiphysis, indicating separation of the front limb during butchering. An additional 14 bone fragments, including two sheep/goat teeth and a domestic cattle innominate fragment, were recovered from rock tumble and the surface of this room. Two limpet (*Patella*) shells were also found in the roofing to floor deposit, and a single oyster (*Ostrea edulis*) was on the floor of the “closet.”

The area north of the “closet” in Room E1 produced a total of 57 bone fragments, 10 of which were identifiable as sheep/goat. These fragments represent both isolated teeth (four specimens) and elements from front limbs. One of these elements, a proximal ulna, bore a cut mark below the proximal epiphysis, indicative of separation of the front limb. A right distal radius, chopped and broken at mid-diaphysis, may represent butchering debris. A limpet and a murex were also found.

Cobble Fill below Floor

POTTERY

Fine Dark-on-Light Wares

E1 P1 (V 1302 Level 5; Fig. 8). Cup. Two fragments from rim. D. rim est. 9.6 cm. Fine, fairly hard reddish-yellow (5YR 6/6) fabric. Very pale brown (10YR 8/2) slip. Red (2.5YR 4/8) paint. Drip pattern? MM III–LM I. *Comparanda*: Knappett and Cunningham 2003, 122, fig. 11:100, 101 (Palaikastro, MM III).

E1 P2 (V 1302 Level 5; Fig. 8). Cup. Single fragment (2 sherds) from rim. D. rim est. 16 cm. Fine, soft, yellowish-red (5YR 6/6) fabric. Red (10R 4/8) paint. Well-preserved surfaces. Leaf or medallion pattern. LM I. *Comparanda*: For shape, Bernini 1995, 73, fig. 13:57; for decoration, Bernini 1995, 63, fig. 7:H (Palaikastro, MM IIIB).

E1 P3 (V 1302 Level 5; Fig. 8). Cup. Single fragment from rim. D. rim est. 12 cm. Fine, soft, very pale brown (10YR 8/3) fabric. Dark brown (7.5YR 3/2) paint. Possibly discolored by fire. Spiral or floral spray. LM I.

E1 P4 (V 1302 Level 5; Fig. 8). Cup. Single small fragment from rim. D. rim est. 9–10 cm. Fine, soft, reddish-yellow (7.5YR 7/6) fabric. Traces of red to brown paint. Worn surfaces. Decoration unclear. LM IIC?

E1 P5 (V 1302 Level 5; Fig. 8). Cup. Single fragment from rim. D. rim est. 12 cm. Fine, very soft, porous, reddish-yellow (7.5YR 7/6) fabric with tiny phyllite inclusions. Black paint. Well-preserved interior surface, worn exterior. Monochrome? MM?

E1 P6 (V 1302 Level 5; Fig. 8). Straight-sided cup. Large fragment (3 sherds) preserving 50% of base and lower body. D. base est. 7 cm. Fine, soft reddish-yellow (7.5YR 7/6) fabric. Very pale brown (10YR 8/3) slip. Red (2.5YR 4/8) paint. LM I. *Comparanda*: Bernini 1995, 73, fig. 13:59, 60 (Palaikastro, MM IIB).

E1 P7 (V 1302 Level 5; Fig. 8). Cup. Single fragment (5 sherds) from body. Max. pres. h. 3.6 cm. Fine, soft, reddish-yellow (7.5YR 7/6) fabric. Very pale brown (10YR 8/2) slip. Red (2.5YR 4/8) paint. Curvilinear design above bands. LM I. *Comparanda*: Barnard and Brogan 2003, fig. 9:IB.222 (Mochlos, LM IB).

E1 P8 (V 1302 Level 5; Fig. 8). Jar or jug. Large fragment from rim and upper body, 2 nonjoining body sherds. Max. pres. h. 6.8; d. rim est. 9 cm. Fine, very soft reddish-yellow (5YR 6/6) fabric, gray around edges. Black paint. Very worn surfaces. Vertical strokes, possibly regularized tortoise shell ripple. MM III–LM I. *Comparanda*: Knappett and Cunningham 2003, 135, fig. 20:176 (MM IIB); 153, fig. 34:279 (LM IA, Palaikastro).

E1 P9 (V 1302 Level 5; Fig. 8). Bridge-spouted jar. Single fragment (2 sherds) preserving 50% of spout. Max. pres. h. 5.5 cm. Fine, soft, pink (7.5YR 8/4) fabric. Very pale brown (10YR 8/3) slip. Black paint. Very worn surfaces. MM.

E1 P10 (V 1302 Level 5; Fig. 8). Amphora. Single fragment from rim and neck. D. rim est. 9 cm. Fine, soft, reddish-yellow (5YR 6/6) clay with some tiny granodiorite and gold mica inclusions. Pink (7.5YR 8/4) slip. Traces of red paint. Very worn surfaces. MM II. *Comparanda*: Levi and Carinci 1988, pl. 21:1, m (Phaistos, MM IB).

E1 P11 (V 1302 Level 5; Fig. 8). Hole-mouthed jar. Single fragment from rim. D. rim est. 8 cm. Fine, soft, reddish-yellow (5YR 7/6) fabric. Red (2.5YR 5/8) paint. MM II. *Comparanda*: Shaw and Shaw, eds., 2006, 297, pl. 3.7:Ja/28 (Kommos, MM IB–IIA).

E1 P12 (V 1302 Level 5; Fig. 8). Hole-mouthed jar. Single fragment from rim. D. rim est. 11 cm. Fine, soft, reddish-yellow (5YR 7/6) fabric. Red (2.5YR 5/8) paint. Well-preserved surfaces. Decoration unclear. MM II. *Comparanda*: Levi and Carinci 1988, pl. 50:d, pl. 51:b, c (Phaistos, MM I–II).

E1 P13 (V 1302 Level 5; Fig. 8). Jug. Large body fragment (23 sherds) from lower body to base of neck.

Missing rim, neck, handles, base. Max. pres. h. 13 cm. Fine, soft, very pale brown (10YR 7/4) fabric. Very pale brown (10YR 8/4) slip. Black paint. Worn surfaces. Spirals. MM III–LM I. *Comparanda*: Betancourt 1990, 189, fig. 70:2033 (Kommos, MM III–LM I); Knappett and Cunningham 2003, 155, fig. 35:286 (Palaikastro, LM IA); Barnard and Brogan 2003, fig. 27:IB.347 (Mochlos, MM III–LM I).

Fine Light-on-Dark or Monochrome Wares

E1 P14 (V 1302 Level 5; Fig. 8). Cup. Single small fragment from rim. D. rim est. 13 cm. Fine, soft, reddish-yellow (5YR 7/6) fabric. Black paint. Monochrome? MM II.

E1 P15 (V1302 Level 5; Fig. 8). Straight-sided cup. Single fragment preserving ca. 15% of base. D. base est. 6.2 cm. Fine, reddish-yellow (5YR 7/6) fabric, slightly harder than most. Faint traces of brown paint. Worn surfaces. Beveled base. MM II.

E1 P16 (V 1302 Level 5; Fig. 8). Tumbler. Single fragment from base. D. base est. 3.5 cm. Fine, soft reddish-yellow (7.5YR 7/6) fabric with tiny red phyllites. Very worn surfaces. Traces of black paint inside and out. MM II.

E1 P17 (V 1302 Level 5; Fig. 8). Cup. Single fragment from base. D. base est. 4 cm. Fine, soft, reddish-yellow (5YR 7/6) fabric. Black paint. Well-preserved surfaces. MM II.

E1 P18 (V 1302 Level 5; Fig. 8). Cup. Single fragment from base. D. base est. 4 cm. Fine, soft, very pale brown (10YR 8/3) fabric. Black paint on interior and exterior. Monochrome. MM II.

E1 P19 (V 1302 Level 5; Fig. 8). Juglet. Single fragment from rim. D. rim est. 4 cm. Fine, soft, reddish-yellow (5YR 7/6) fabric. Black paint. Worn exterior surfaces, well-preserved interior. MM II.

Medium-Coarse Painted Wares

E1 P20 (V 1302 Level 5; Fig. 9). Conical cup. Single fragment from rim. D. rim est. 10 cm. Soft, pink (7.5YR 7/4), slightly gritty fabric with granodiorite inclusions. Traces of black paint on the interior. MM II.

Medium-Coarse Plain Wares

E1 P21 (V 1302 Level 5; Fig. 9). Cup. Two fragments from rim. D. rim est. 11 cm. Medium-coarse, gray (5Y 6/1) fabric, totally burned. MM.

E1 P22 (V 1302 Level 5; Fig. 9). Cup. Single fragment from rim. D. rim est. 10 cm. Medium-coarse, reddish-yellow (5YR 6/6), Type IV fabric. MM II. *Comparanda*: Shaw and Shaw, eds., 2006, 282, pl. 3.3:Ba/1 (Kommos, MM IIB).

E1 P23 (V 1302 Level 5; Fig. 9). Cup. Single fragment (2 sherds) from rim. D. rim est. 10 cm. Medium-coarse, yellowish-red (5YR 5/6), Type IV fabric. MM II?

E1 P24 (V 1302 Level 5; Fig. 9). Kalathos or bowl. Single fragment from rim. D. rim est. 14 cm. Medium-coarse, yellowish-red (5YR 5/6), Type IV fabric. Mottled surface. LM IIC?

E1 P25 (V 1302.18 Level 5; Fig. 9). Jug. Large fragment (4 sherds) preserving 20% of vessel, including rim, whole handle; missing base. Max. pres. h. 9; d. rim est. 4 cm. Coarse to medium-coarse, reddish-yellow (5YR 6/6), Type IV fabric. Black paint on exterior. MM IIIB–LM I.

E1 P26 (V 1302 Level 5; Fig. 9). Amphora? Large fragment from base. D. base est. 7.6 cm. Medium-coarse, reddish-yellow (7.5YR 7/6) fabric, like Type X/XI with phyllite inclusions, dark gray (5Y 4/1) at core; coarser base, but fewer inclusions on upper parts of body. Red (2.5YR 4/6) paint, preserved on exterior. Very worn surfaces. MM?

Burnished Cooking Wares

E1 P27 (V 1302 Level 5; Fig. 9). Cooking pot. Single small fragment from rim. Max. pres. h. 3 cm. Coarse, yellowish-red (5YR 5/6), Type II/VI fabric. Interior slipped and burnished to a red (10R 4/6) color. EM.

E1 P28 (V 1302 Level 5; Fig. 9). Tripod tray. Single fragment preserving nearly full profile; missing most of flattened leg. Max. pres. h. 4.3 cm. Coarse, yellowish-red (5YR 5/6), Type II/VI fabric. Slipped and burnished on interior. Mottled black and red (2.5YR 4/8). EM?

Plain Cooking Wares

E1 P29 (V 1302 Level 5; Fig. 9). Cooking tray. Single large fragment preserving full profile. H. 3.4; d. base est. 36 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric, gray at core. Sampled PMD 98/15. LM?

E1 P30 (V 1302 Level 5; Fig. 9). Cooking tray. Single fragment preserving full profile. H. 3.2; d. base est. 38–40 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric. LM?

E1 P31 (V 1302 Level 5; Fig. 9). Cooking pot. Single large fragment from rim. D. rim est. 21 cm. Coarse, light red (2.5YR 6/8), Type XXVI fabric. Burning on exterior. MM III–LM I.

E1 P32 (V 1302 Level 5; Fig. 9). Cooking pot. Single large fragment from rim. D. rim est. 31 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric. MM III–LM I.

E1 P33 (V 1302 Level 5; Fig. 10). Cooking pot. Two fragments from rim, 1 with handle. D. rim est. 18–20 cm. Coarse, yellowish-red (5YR 5/6), Type IV fabric, gray (5Y 5/1) at core. No burning. MM III–LM I.

E1 P34 (V 1302 Level 5; Fig. 10). Cooking pot. Single large fragment from rim. D. rim est. 35 cm. Coarse, reddish-yellow (5YR 6/6) fabric, like Type IV, but with some granodiorites and mica. No burning. MM III–LM I.

E1 P35 (V 1302 Level 5; Fig. 10). Cooking pot. Single fragment (2 sherds) from rim, including scar from handle attachment. D. rim est. 23 cm. Coarse, red (2.5YR 5/8), Type IV fabric. No burning. MM III–LM I.

E1 P36 (V 1302 Level 5; Fig. 10). Cooking pot. Single large fragment from rim. D. rim est. 25–26 cm. Coarse, red (2.5YR 5/8), Type IV fabric. Burning on exterior. MM III–LM I.

E1 P37 (V 1302 Level 5; Fig. 10). Cooking pot. Single fragment from rim. D. rim est. 24 cm. Coarse, yellowish-red (5YR 5/6), Type IV fabric, but with large red schist inclusions. No burning. MM III–LM I.

E1 P38 (V 1302 Level 5; Fig. 10). Cooking pot. Single fragment from rim (2 sherds) D. rim est. 21 cm. Coarse, reddish-yellow (5YR 6/8), Type XXVI fabric with fewer inclusions than usual. Mottled surface. MM III–LM I.

E1 P39 (V 1302 Level 5; Fig. 10). Cooking pot? Single fragment from rim. D. rim est. 26 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric. Smoothed surface. No burning. MM.

E1 P40 (V 1302 Level 5; Fig. 10). Cooking pot. Single fragment from rim, including 1 handle. D. rim est. 17 cm. Coarse, red (2.5YR 5/8), Type IV fabric. Burning on end of lug handle. MM III–LM I. *Comparanda*: Hatzaki 2007, 168, fig. 5.7:2 (Knossos, MM IIIB).

E1 P41 (V 1302 Level 5; Fig. 10). Cooking pot. Two fragments from rim. Max. pres. h. 2.3 cm. Coarse, reddish-yellow (7.5YR 6/6) fabric with phyllites and granodiorite inclusions. Burning on top. MM.

E1 P42 (V 1302 Level 5; Fig. 10). Miniature tripod cooking pot. Partially restored from 5 fragments. 80% of base preserved, including parts of 3 feet; missing tips of feet, upper body, rim, handles. Max. pres. h. 3.6; d. base 6.3 cm. Coarse, yellowish-red (5YR 5/6) to light reddish-brown (5YR 6/4), Type IV fabric with fewer inclusions than normal. Burning on exterior bottom. Incised circles on interior bottom. MM III–LM IA.

Coarse Painted Wares

E1 P43 (V 1302 Level 5; Fig. 11). Cup. Single fragment preserving 50% of base. D. base 6.3 cm. Coarse, reddish-yellow (5YR 6/8), Type IV fabric. Black paint. Discolored from fire. Monochrome. MM–LM.

E1 P44 (V 1302 Level 5; Fig. 11). Basin. Single fragment from rim. D. rim est. 37 cm. Coarse, reddish-yellow (7.5YR 7/6), Type III fabric. Reddish-brown (5YR 4/4)

paint. Painted on exterior of rim. EM. *Comparanda*: Wilson 1985, 336, fig. 31:284 (Knossos, EM IIA).

Coarse Incised Wares

E1 P45 (V 1302.18–20 Level 5; Fig. 11; Pl. 3B). Vat. Single fragment from rim. D. rim 52 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric. Burned on interior to dark gray. Incised rays on exterior. Interior has shallow, wide grooves in a net pattern. MM II–III. *Comparanda*: Poursat and Knappett 2005, 50, pl. 46:222, 226 (Malia, MM II); Knappett and Cunningham 2003, 169–170, fig. 46:444 (Palaikastro, LM IA); Barnard and Brogan 2003, fig. 16:IB.282, IB.283 (Mochlos, LM I).

Coarse Plain Wares

E1 P46 (V 1302 Level 5; Fig. 11). Conical cup? Single fragment preserving 50% of base. D. base 4 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric. MM–LM.

E1 P47 (V 1302 Level 5; Fig. 11). Conical cup? Single fragment preserving 25% of base. D. base est. 5 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric with much quartzite. Burning on interior. MM–LM.

E1 P48 (V 1302 Level 5; Fig. 11). Cup. Large fragment (5 sherds) preserving entire base and 75% of lower body; missing rim. D. base 4.5 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric. Burning inside and out. MM–LM.

E1 P49 (V 1302 Level 5; Fig. 11). “Spinning bowl.” Single fragment preserving whole base, 65% of lower body, lower handle attachment. D. base 4.3 cm. Coarse, reddish-yellow (5YR 7/6), Type IV fabric with hard white bits, gray at core. Interior handle from base to rim. MM?

E1 P50 (V 1302 Level 5; Fig. 11). Fruitstand or brazier. Single fragment from rim. D. rim est. (int.) <45 cm. Coarse, yellowish-red (5YR 5/6), Type IV fabric. Surface mottled and smoothed. No burning. MM?

E1 P51 (V 1302 Level 5; Fig. 11). Vat. Single large fragment from rim. D. rim est. <40 cm. Coarse, reddish-yellow (5YR 6/6), Type XXVI fabric. Sampled PMD 98/48. MM?

E1 P52 (V 1302 Level 5; Fig. 11). Jar. Single fragment from rim. D. rim est. 9 cm. Coarse, soft, reddish-yellow (5YR 6/8), Type XXVI fabric. MM?

E1 P53 (V 1302 Level 5; Fig. 11). Jug. Single fragment preserving 25% of base. D. base est. 4.6 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric with much quartzite. Burning on bottom. MM–LM.

E1 P54 (V 1302 Level 5; Fig. 11). Jug? Single fragment preserving 25% of base. D. base est. 4 cm. Coarse,

bluish-gray (5B 5/1), Type IV fabric with fewer inclusions than usual. Totally burned. MM–LM.

E1 P55 (V 1302 Level 5; Fig. 11). Jar. Single fragment from rim. D. rim 38 cm. Coarse, reddish-yellow (7.5YR 6/6), Type III fabric. Sampled PMD 98/7. MM.

E1 P56 (V 1302 Level 5; Fig. 12). Jar. Single fragment from rim. D. rim (int.) 30 cm. Coarse, reddish-yellow (5YR 6/6) fabric, like Type IV but with some granodiorites and gold mica. MM.

E1 P57 (V 1302 Level 5; Fig. 12). Jar/basin. Single fragment from rim. D. rim (int.) 36 cm. Coarse, reddish-yellow (5YR 6/8), Type IV fabric. Lug at rim. Raised band decorated with finger impressions below rim. MM III–LM I. *Comparanda*: K.A. Barnard, pers. comm. (Mochlos, MM III); Watrous 1992, 9, fig. 16:149–151 (Kommos, LM I).

E1 P58 (V 1302 Level 5; Fig. 12). Jar (for cooking?). Single fragment from rim. D. rim est. 35–36 cm. Coarse, reddish-yellow (5YR 6/8), Type II/VI fabric. Burning on exterior. Very eroded surfaces. EM–MM.

Painted Pithos Wares

E1 P59 (V 1302 Level 5; Fig. 12). Pithos. Single fragment from rim. D. rim est. (int.) 34 cm. Coarse, reddish-yellow (5YR 7/6–7.5YR 7/6) fabric, of Mirabello type (looks like Type II/VI, but color more like III). Washy black paint. MM.

E1 P60 (V 1302 Level 5; Fig. 12). Pithos. Single fragment from base. D. base est. 29 cm. Coarse, Type III fabric, reddish yellow (5YR 6/6) at core, reddish yellow (7.5YR 7/6) on surface. Possible black paint. Very worn surfaces. MM.

Pithos Wares

E1 P61 (V 1302 Level 5; Fig. 12). Pithos. Single large fragment from rim. D. rim est. (int.) 40 cm. Coarse, reddish-yellow (7.5YR 6/6), Type III fabric. Very worn surfaces. MM. *Comparanda*: Levi and Carinci 1988, pl. 5:b (Phaistos, MM Ib); Poursat and Knappett 2005, pl. 43:128 (Malia, MM II).

E1 P62 (V 1302 Level 5; Fig. 12). Pithos. One fragment (2 sherds) from rim. D. rim est. (int.) 22 cm. Coarse, yellowish-red (5YR 5/6), Type IV fabric with dark bluish-gray (5B 4/1) core. Burning on top of rim. MM?

TERRACOTTA OBJECTS

E1 TC1 (V 1302 Level 5; Fig. 12). Tile. Single large fragment from base. Max. pres. h. 4.3 cm. Coarse, reddish-yellow (5YR 6/6), Type IV fabric with frequent hard white inclusions. MM–LM.

E1 TC2 (V 1302 Level 5; Fig. 12). Tile. Single fragment from base. Max. pres. h. 4.2 cm. Coarse, red (2.5YR 5/6), Type IV fabric, gray at core. MM–LM.

E1 TC3 (V 1302 Level 5; Fig. 12). Tile. Single fragment from base. Max. pres. h. 3 cm. Coarse, reddish-yellow (5YR 6/8), Type IV fabric with many hard white inclusions and carbonates. MM–LM.

E1 TC4 (V 1302 Level 5; Fig. 12). Tile. Single fragment from base. Max. pres. h. 3.3 cm. Coarse, red (2.5YR 5/6), Type IV fabric. MM–LM.

Intermediate Deposit

POTTERY

Fine Light-on-Dark Wares

E1 P63 (V 708.7, object 2; Fig. 13). Conical cup. Large fragment from base (11 sherds), 1 nonjoining fragment from rim. 30% preserved. H. est. 5.9; d. rim 8.8; d. base 4.4 cm. Fine, soft, reddish-yellow (7.5YR 7/6) fabric. Very pale brown (10YR 8/3) slip. Very worn surfaces. Mat impression and traces of paint on bottom. MM II. *Comparanda*: Popham 1974, 187, fig. 6:10 (Knossos, MM IIB).

E1 P64 (V 708.8; Fig. 13). Open vessel. Single body fragment with bit of handle attachment. Max. pres. h. 4.4 cm. Very fine, soft, greenish-gray (5GY 5/1) fabric. Very pale brown (10YR 8/3) slip. Thick, crackled black paint worn to shadow. Horizontal bands. MM–LM.

Medium-Coarse Painted Wares

E1 P65 (V 708.8; Fig. 13). Basin. Single fragment from rim. D. rim est. 40 cm. Medium-coarse, pink (5YR 7/3), Type III fabric. Pink (7.5YR 8/4) slip. Traces of washy brown paint on top of rim and possibly on interior. MM.

Medium-Coarse Plain Wares

E1 P66 (V 708.7; Fig. 13). Conical cup. Single fragment from rim. D. rim est. 9 cm. Medium-coarse, red (2.5YR 5/6), Type IV fabric with smooth and mottled surface. MM–LM.

E1 P67 (V 708.8; Fig. 13). Jug. Single fragment from rim and neck. D. rim est. 7.6 cm. Medium-coarse, reddish-yellow (7.5YR 6/6), Type III fabric. Very pale brown (10YR 8/4) slip. MM.

Cooking Wares

E1 P68 (V 708.8; Fig. 13). Cooking dish. Single fragment from rim and 1 lug handle; missing base. D.

rim est. 45 cm. Coarse, reddish-yellow (7YR 6/8), Type IV fabric with more white inclusions than usual. Gray at core. Some burning on exterior. MM–LM.

E1 P69 (V 708.6, V 708.7, V 753.2, V 700: Room E4 cleaning; Fig. 13). Cooking pot. Large fragment preserving 75% of base (3 sherds), 2 fragments from rim with handle attachments, and 19 body fragments. Max. pres. h. 7; d. rim est. 20.2 cm. Coarse, light red (2.5YR 6/6) fabric with pink schist or mudstone inclusions. Unusual and distinctive fabric, soapy to touch. MM III–LM I.

E1 P70 (V 708.6; Fig. 13). Cooking pot. Single fragment (4 sherds) from rim and handle, 1 nonjoining sherd; missing base, lower body, most of handle. D. rim est. 12 cm. Coarse, soft, reddish-yellow (5YR 6/8), Type IV fabric. Small amount of burning. MM III–LM I. *Comparanda*: Knappett and Cunningham 2003, 157, fig. 37:294 (Palaikastro, MM IIB).

E1 P71 (V 708.5, V 708.6, V 708.7; Fig. 14). Cooking pot. Two large fragments, 1 (8 sherds) from rim and handle, 1 (4 sherds) from rim; 10 nonjoining sherds. 10% of rim, 1 handle, part of body preserved; missing base, feet. D. rim est. 20 cm. Coarse, yellowish-red (5YR 5/6), Type IV fabric. Hard, smoothed, mottled surface. MM III–LM I.

E1 P72 (V 708.7; Fig. 14). Cooking pot. Two large fragments from rim. D. rim est. 12 cm. Coarse, reddish-yellow (5YR 6/6) fabric, similar to Type IV. LM?

E1 P73 (V 708.7; Fig. 14). Cooking pot. Single fragment from rim. D. rim est. 14 cm. Coarse, red (2.5YR 5/8), Type IV fabric. Smoothed and mottled surface. LM I?

E1 P74 (V 708.7; Fig. 14). Cooking pot. Single fragment from rim. D. rim est. 17 cm. Coarse, reddish-yellow (5YR 6/8) fabric, like Type IV but softer and more orange, like Type XXVI. LM I?

E1 P75 (V 708.7; Fig. 14). Tripod cooking pot. Single fragment preserving 30% of lower body and base, including 1 leg attachment; missing rim, handles, and other 2 legs. Max. pres. h. 11.8; d. base est. 6.1 cm. Coarse, yellowish-red (5YR 5/6) fabric, like Type IV but softer and more orange. Burning on exterior. MM III–LM I.

E1 P76 (V 708.7, V 708.6; Fig. 14). Tripod cooking pot. Two large fragments (4 sherds) from base, including 1 leg attachment. Max. pres. h. 3.5 cm. Coarse, red (2.5YR 5/8), Type IV fabric, gray (5Y 5/1) on exterior. MM III–LM I?

E1 P77 (V 708.7; Fig. 14). Tripod cooking pot. Single fragment from base, including leg attachment. Max. pres. h. 4.7 cm. Coarse, hard, red (2.5YR 5/6), Type IV fabric. Burned on one side. MM III–LM I?