Pseira VII

The Pseira Cemetery 2.
Excavation of the Tombs



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The archaeological excavations at Pseira, Crete, were sponsored by Temple University, in Philadelphia, Pennsylvania, by the Archaeological Institute of Crete, and by the Archaeological Society of Crete.

PREHISTORY MONOGRAPHS 6

Pseira VII

The Pseira Cemetery 2. Excavation of the Tombs

edited by
Philip P. Betancourt and Costis Davaras

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Published by
INSTAP ACADEMIC PRESS
Philadelphia, PA
2003

Design and Production
The Institute for Aegean Prehistory Academic Press

Printing
Sun Printing Co., Philadelphia

Binding
Hoster Bindery, Philadelphia

Library of Congress Cataloging-in-Publication Data

The Pseira Cemetery / edited by Philip P. Betancourt and Costis Davaras ; with contributions by Philip P. Betancourt ... [et al.].
p. cm. — (Prehistory monographs 6)
Includes bibliographical references and index.
ISBN 1-931534-04-7 (alk. paper) — ISBN 1-931534-04-7 (alk. paper)
1. Pseira Island (Greece)—Antiquities. 2. Excavations (Archaeology)—Greece—Pseira Island. 3. Minoans—Greece—Pseira Island. 4. Tombs—Greece—Pseira Island. I. Betancourt, Philip P., 1936- II. Davaras, Kostes. III. Series.
DF221.C8P75 2003
939'.18—dc21

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Philadelphia
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Printed in the United States of America

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Acknowledgments

The archaeological investigation of the cemetery on Pseira Island was a part of the Pseira Project, an American-Greek collaboration (*synergasia*) directed jointly by Philip P. Betancourt and Costis Davaras. The project was sponsored by Temple University, the Archaeological Institute of Crete, and the Archaeological Society of Crete, under the auspices of the Greek Ministry of Culture and the American School of Classical Studies at Athens. Additional financial assistance for the work published in this volume was given by the following: the Institute for Aegean Prehistory; the National Endowment for the Humanities, an independent federal agency; The Social Sciences and Humanities Council of Canada; the Society for the Preservation of the Greek Heritage; the Arcadia Foundation; the Mellon Corporation; Queen's University, Kingston, Ontario; and the University of Pennsylvania Museum of Archaeology and Anthropology.

Thanks are extended to all those persons who assisted with the project: the Directors for Prehistoric and Classical Antiquities, Ministry of Culture of Greece, Yannis Tzedakis (1985–90, 1993–99), Ios Zervoudaki (1990–92), and Katerina Romiopoulou (1992–93); Nikos P. Papadakis, Epimeletes and Supervisor for the Ephorate of Eastern Crete (1985–89 and 1995–2002); and to the directors of the American School of Classical Studies at Athens, Stephen G. Miller (1985–87), William D. Coulson (1987–97), and James D. Muhly (1997–2002).

The survey of the cemetery began with preliminary examinations of the island of Pseira in 1985 and 1986, followed by an intensive walking survey carried out in 1988 and 1989. Mapping and surveying was by David D. Day (1987–88) using a Topcon DM-A2 EDM (Electronic Distance Meter) generously loaned to the excavation by Don Anderson, of the Anderson Instrument and Supply Company, Canton, Ohio, to whom the project is much indebted. In 1993–94, a topographic map of the cemetery site was prepared by a team of surveyors. Participants included Joan Beaudoin (Supervisor, 1993), Hilary Brown (1993), William B. Hafford (1994), Leigh-Ann Bingham (1994), Sheila Lin (1994), James L. Wilson (1994), Katherine May (1993–94), George Mitrakis (1993–94), and Lada Onyshkevych (Supervisor, 1994). Field photographs are by Michael W. Betancourt (1986–91), Philip P. Betancourt (1986–94), and Richard Hope Simpson (1986–91). Profile drawings are by Michael W. Betancourt (1990), Leigh-Ann Bingham (1994), Senta German (1989), Krista Gustafson (1990–91), Jenny Hope Simpson (1989, 1991), Teresa Howard (1986–91), Sheila Lin (1994), Marie T. Naples (1990–91), Jeanne Pond (1990), Sharon Rathke (1989), Chrysostomos Theodorou (1989), Eleni Velona (1990), and Philip P. Betancourt. Human skeletal remains were studied by Kristin Borré and Laura Sappelsa in 1993 and 1994; they were re-studied in 2000 and 2001 by Robert Arnott. Assistance with editing was provided by Joan Beaudoin, Hilary Brown, Katherine May, Andrea Powers, and Louise Langford.

Tombs in the cemetery were excavated in 1987 and 1988. Trench supervisors included Polyxeni Bougia, Olga Matzari, Fotini Zervaki (area supervisor), and Vasso Zographaki. Excavation specialists were Nikos Daskalakis, Andreas Klinis, and Georgios Tsandakis. Drawings of the tombs were made under the supervision of John C. McEnroe and

Philip P. Betancourt. Individual field drawings and plans are by Senta German, Ann Barnosky, Merav Nesvisky, and Fotini Zervaki. Additional survey and data processing is by Harrison Eiteljorg II, Katherine May, Lada Onyshkevych, and William B. Hafford. Data processing and computer processing to prepare the tomb drawings for publication took place at the Archaeology Laboratory, Department of Art History, Temple University and at the Center for the Study for Architecture, Bryn Mawr College, Bryn Mawr, Pennsylvania.

Catalog entries were written by several authors. Mary A. Betancourt was registrar. The entries for marine shells and animal bones were supervised by Davis S. Reese. Heidi M. C. Dierckx supervised the entries for obsidian and stone tools. Werner H. Schoch studied the charcoal. Pottery entries and the catalog entries for the miscellaneous objects of bronze, stone, and other materials were written by Philip P. Betancourt. Post-Minoan pottery was studied by Natalia Poulou-Papadimitriou.

Part I

Excavation of the Tombs

Introduction

Philip P. Betancourt, Costis Davaras, and Richard Hope Simpson

This volume is the companion to *Pseira VI: The Pseira Cemetery 1. The Surface Survey*, the publication of the Pseira intensive survey conducted in the area of the tombs west of the Minoan town on Pseira Island (Betancourt and Davaras, eds., 2002). That volume includes the results of the examination of the surface in the cemetery, as well as a discussion of the topography of this part of Pseira Island. This volume publishes the results of the excavation of individual tombs.

The cemetery at Pseira is located on the south side of Pseira Island (Pl. 1A, Fig. 1, Site Q 1). It is easily accessible from the Minoan town on Katsouni Peninsula (Fig. 1, Site N 1), either by sea or by walking along the rough coastline. The town can only be seen from the extreme eastern edge of the cemetery, because most of the view is blocked by the intervening hills. The slope with the tombs is rugged, and it only supports sparse vegetation (Pl. 1B). It is extremely steep, and it terminates at the south in a cliff overlooking the sea. At the north edge of the area is a low calcrete cliff that sets the cemetery off from the interior of the island. Details of the topography are published in *Pseira VI: The Pseira Cemetery 1. The Surface Survey* (Betancourt and Davaras, eds., 2002).

The investigations at Pseira excavated the Minoan town, conducted an intensive survey of Pseira Island, and examined the cemetery both through excavation and survey (Betancourt and Davaras, eds., 1995; 1998 a; 1998 b; 1999; 2001; 2002). The Pseira cemetery excavations examined 19 tombs (Fig. 2). Sixteen of them were excavated (or re-excavated), and the other three, which were empty cave-tombs, were recorded and drawn. Although none of the tombs had all of the architecture in place, portions of the interiors of several graves were still *in situ*. Both human bones and grave goods were recovered from some of the graves. Usually the area around a tomb had never been excavated previously, so that information on the history of the burial-place could be recovered by discovering the artifacts cleaned out of the graves by the Minoans to make room for later burials.

The Pseira cemetery contributes substantial amounts of new information on the burial customs of the Minoans during the Early and Middle Bronze Age. The cemetery is one of the earliest in eastern Crete. It has several tombs whose architecture has parallels from the Cyclades, suggesting important early contacts with the north, although almost all of the objects are Minoan. The earliest house tombs in the cemetery are local developments, and this class of burial-place begins at Pseira in the same period as the earliest house tombs from elsewhere, suggesting a local East Cretan origin for this important class of tomb. This cemetery has more diversity in its burial places than most Minoan cemeteries. Cist graves made of slabs, shallow caves, small built tombs, house tombs, and jar burials were all in use at the same time, raising questions about the diversity that may have existed within the community as a whole.

As always with new studies, unanswered questions remain. Why are the tombs relatively poor in comparison with nearby Mochlos? Why was the cemetery abandoned in MM II, at a time when the nearby town was about to expand? Where is the LM I–III cemetery? Most of these questions will not be answered easily, and they may never be answered.

The tombs are located in the following grid-squares (the grid number is the SE corner of the 5-meter grid-square):

Tomb 1. 1610E 1865N

Tomb 2. 1595E 1865N and 1600E 1865N

Tomb 3. 1570E 1900N and 1570E 1905N

Tomb 4. 1575E 1910N with the enclosure also in 1575E 1905N

Tomb 5. 1575E 1900N

Tomb 6. 1570E 1905N and 1570E 1910N

Tomb 7. 1540E 1880N

Tomb 8. 1620E 1875N

Tomb 9. 1565E 1880N

Tomb 10. 1600E 1890N (NE of square)

Tomb 11. 1600E 1890N (NW of square)

Tomb 12. 1590E 1890N

Tomb 13. 1595E 1890N

Tomb 14. 1565E 1915N

Tomb 15. 1545E 1920N, 1550E 1915N, and 1550E 1920N

Tomb 16. T 1565E 1905N and 1565E 1910N

Tomb 17. 1675E 1870N

Tomb 18. 1670E 1870N and 1675E 1870N

Tomb 19. 1665E 1870N, 1665E 1875N, and 1670E 1870N

Several preliminary reports about the Pseira cemetery have been published: Betancourt and Davaras 1989–90; 1990, 28–37; 1993; Betancourt, Davaras, and Zervaki 1990; Betancourt 1990 b, 15–16; Zervaki and Betancourt 1992; Eiteljorg 1995; Hafford 1995. Specialized reports include a thesis by Julie A. Clark on soils and land use (Clark 1990), an article on Pseiran agriculture (Betancourt and Hope Simpson 1992), and articles discussing the geology (Davaras, Betancourt, and Farrand 1992) and computer-assisted mapping (Onyshkevych 1996; Onyshkevych, Hafford, and May 1996). On the survey of Pseira Island in general, the reader may consult Betancourt and Davaras 1990.

1

Tomb 1

(T1610E 1865N)

(Ill. 1, Figs 3, 21–26, Pls. 2–4)

Demetrios Anglos, Philip P. Betancourt, Heidi M.C. Dierckx, Susan Ferrence, Mari. P. Mateo, Kristalia Melessanaki, David S. Reese, and Fotini Zervaki

Tomb 1 was a cist grave built of stones of various sizes with soil and small stones used as wedges and as filling between the larger blocks (Fig. 3). It had already been excavated, and only a small unexplored part in the northeast corner yielded finds that were still *in situ* (Pl. 2A). The finds that were still in place were from MM I–II, and fragments of pottery and stone vessels from in and around the tomb indicated that it was used from the Final Neolithic until Middle Minoan II. Most of the fragmentary material was from the FN–EM I and EM periods.

The following sections are presented for Tomb 1:

The Excavation
The Architecture
Catalog of Objects
Discussion

The Excavation

Philip P. Betancourt and Fotini Zervaki

Tomb 1 was excavated in 1988 under the supervision of Fotini Zervaki. The area of the tomb was covered with soil and light vegetation, but the upper parts of two stone blocks could be seen before work began. Excavations were conducted both inside the tomb and near it. Although the tomb had been partly excavated during the campaign of Richard Seager in 1907, a small untouched part of the grave was discovered after the removal of upper levels (Ill. 1, Pl. 3). The area around the grave had not been disturbed by the early excavations, and its investigation provided additional information. Five different contexts were recognized at this location, including the tiny deposit with complete objects, two levels above this deposit (the upper one disturbed by plant roots), the space near the tomb, and the modern surface. Specific excavated units were numbered as follows:

Surface of grid-square
    T1610E 1865N
    T1610E 1865N-Surface
Inside tomb, undisturbed stratum with objects *in situ*
    T1610E 1865N-E5

Inside tomb, above and beside undisturbed stratum with objects in situ
T1610E 1865N-E3

Inside tomb, surface stratum (disturbed by plant roots)
T1610E 1865N-E1-Feature 3
T1610E 1865N-E1 (part of unit)

Near tomb
T1610E 1865N-E1 (part of unit)
T1610E 1865N-E2
T1610E 1865N-E4
T1610E 1865N-Tomb 1-1
T1610E 1865N-Tomb 1-2
T1610E 1865N-W1
T1615E 1865N-Tomb 1-2

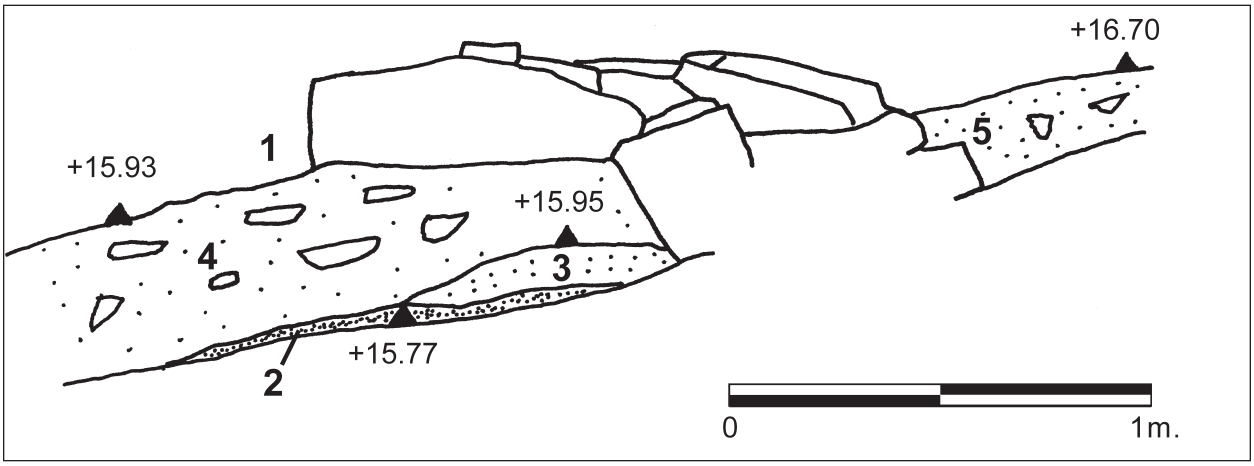


Illustration 1. Cross-section of Tomb 1, looking west:1. Surface. 2. Stratum with burials. 3. Stratum above burials. 4. Surface stratum. 5. Near tomb.

The Architecture

Philip P. Betancourt

Tomb 1 was a small burial place constructed of local fieldstones of various sizes. It consisted of one chamber, made as a rectangular room with its long axis E-W. The north and west walls were built mostly of vertically set thick stone slabs of dark gray limestone that had been set on bedrock (Pl. 2B), making a chamber whose interior dimensions were ca. 1.7 to 2.0 m E-W by 1.3 m N-S (see Fig. 3 and Pls. 2–4). Bedrock (metacarbonate) was used as the floor.

The tomb was in poor condition. Only the west and the north walls survived in place. The south wall was not present. The doorway was probably on the east, but an entrance on the south cannot be completely excluded. The north wall was built mostly of one thick slab set on edge with a packing of stones behind it (to the north). This slab, which was found canted into the tomb, was 1.40 m long by up to 0.35 m thick by 0.33 m high. Smaller stones at the west extended the length of the wall to 1.95 m (shown in Pl. 2A), with the packing behind the wall making it ca. 1.9 m thick. The largest block in the west wall was a vertically set limestone slab 1.45 m long by 0.16 m thick by 0.55 m high, making a wall 1.85 m N-S, including the NW corner. The roof did not survive, but two slabs, almost a meter long, were left at the grave by Seager; they may have been used to roof the chamber.

Catalog of Objects

Philip P. Betancourt, Heidi M.C. Dierckx, and David S. Reese

Several pieces of pottery and a few other objects left by Seager's excavations came from the new excavation of this tomb. The most important objects were from a small, undisturbed stratum inside the chamber, at the north (Pl. 2A). Objects from this deposit included intact stone vases and a side-spouted jar dated to MM I–II. Many object fragments also came from inside and near the tomb, providing a history of use from FN–EM I until MM II. The catalog is based on the stratigraphy, with the faunal remains (Reese), stone tools (Dierckx), and other objects (Betancourt) published as an integrated whole.

Inside Tomb, Undisturbed Stratum with Objects in Situ

COMPLETE OBJECTS

One pottery vessel, two stone vases, and a waterworn stone were found inside the tomb in an undisturbed part of the interior. This deposit represented only a small part of the original interior of the grave. The objects were in disarray, and there was no evidence that they were originally together in the same burial.

COARSE FABRIC, MM I–II

1.1, Fig. 21, Pls. 2A, 4B (PS 1508; T1610E 1865N-E5). Side-spouted jug, complete. H. 10.1; d of rim 9.5; d of base 7. A coarse fabric (reddish yellow, 5YR 7/6); burnished. Small everted rim; globular body; long side spout; vertical handle with circular section.

Comments: Compare Betancourt and Davaras, eds., 2002, no. **195**, from the surface survey in this cemetery.

Date: MM I–IIA.

STONE VESSELS

1.2, Fig. 21 (PS 1509; T1610E 1865N-E5). Bowl with thick walls, complete. Mottled serpentinite (greenish black, 5G 2/1, to olive gray, 5Y 4/1, to dark gray, N 3, with irregular patches of light gray, N 7, to very light gray, N 8). Rounded carination.

Comments: For the shape see Warren 1969, Type 6. This plain bowl, often fitted with a lid, is common in early MM in both central and eastern Crete.

Date: MM I–II.

1.3, Fig. 21, Pl. 4C (PS 1510; T1610E 1865N-E5). Bird's nest bowl, complete. D of rim 10; d of base 5. Mottled serpentinite (greenish black, 5G 2/1, to olive gray, 5Y 4/1, to dark gray, N 3, with irregular patches of light gray, N 7, to very light gray, N 8).

Comments: For the shape see Warren 1969, Type 3. This vessel is the most common Minoan stone vase.

Date: MM I–II.

WATERWORN STONE

1.4, Fig. 21 (PS 1908; 1610E 1865N-E5). Waterworn pebble, complete. Max dim 3.9; max th 1.0. Limestone. Natural waterworn pebble.

Comments: No wear marks from use as a tool.

Date: MM II or earlier.

CATALOGED SHERDS

Several sherds that do not mend into complete vessels came from the same stratum with the complete vases. A selection was cataloged, presenting the range of the dates and shapes.

FINE FABRIC, EM I–IIA

1.5, Fig. 21 (PS 1974; T1610E 1865N-E5). Open vessel, body sherd. Max dim 2.4. A fine fabric (reddish yellow, 5YR 6/6); highly burnished. Convex profile.

Comments: Dated by the fabric and surface treatment. This sherd is probably a piece of Hagios Onouphrios Ware.

Date: EM I–IIA.

PHYLLITE FABRIC, EM I–IIA (?)

1.6, Fig. 21 (PS 1967; T1610E 1865N-E5). Open vessel, base sherd. D of base ca. 8. A phyllite fabric (dark brown, 7.5YR 4/2); burnished. Open cup or bowl?

Comments: Completely reduced.

Date: Uncertain, but probably from EM I–IIA, based on the fabric and the thickness of the vessel's wall.

PHYLLITE FABRICS, EM I–II

1.7, Fig. 21 (PS 1976; T1610E 1865N-E5). Closed vessel (jug?), body sherd. D of body over 10. A phyllite fabric (light red, 2.5YR 6/6). Probably a jug.

Comments: This fabric is commonly used for EM I–II jugs with the handle thrust through the wall of the vessel (see nos. **1.59** to **1.76**).

Date: EM I–II.

1.8, Fig. 21 (PS 1968; T1610E 1865N-E5). Jug, spout sherd. Max dim 5.9. A phyllite fabric (red, 2.5YR 4/6). High, raised spout.

Date: EM I–II.

FINE FABRICS, EM I–IIA

1.9, Fig. 21 (PS 1973; T1610E 1865N-E5). Closed vessel, body sherd. Max dim 2.4. A fine fabric (pink, 7.5YR 8/4, to reddish yellow, 7.5YR 8/6); highly burnished. Diagonal lines above horizontal band.

Comments: Koumasa Style (Betancourt 1985, 40–43). The design is probably hatched or crosshatched triangles.

Date: EM IIA.

1.10, Fig. 21 (PS 1971; T1610E 1865N-E5). Goblet, base sherd. D of base ca. 8. A fine fabric (olive gray, 5Y 5/2); burnished. Base from a vessel with a ring base.

Comments: Probably Fine Gray Ware (Betancourt 1985, 40), but identification is uncertain because the surface is missing. The base is not like the usual Vasilike Ware bases.

Date: EM I–IIA.

FINE FABRIC, EM IIB

1.11, Fig. 21 (PS 1977; T1610E 1865N-E5). Goblet, base sherd. D of base 5. A fine fabric (light gray, 10YR 6/1); burnished. Slipped: mottled red to black areas.

Comments: Probably Vasilike Ware. The goblet is a common vessel in this ware; there are several varieties, some of which have small spouts. Most examples are plain (see Betancourt 1979, fig. 11, nos. 1–6).

Date: EM IIB.

COARSE FABRICS, EM IIB

1.12, Fig. 21 (PS 1975; T1610E 1865N-E5). Jug (or teapot?), spout sherd. Max dim 5.7. A coarse fabric (reddish yellow, 7.5YR 7/6). Spout with "eye" near it.

Comments: Probably Vasilike Ware (Betancourt 1979), but the surface is missing.

Date: EM IIB.

1.13, Fig. 21 (PS 1969; T1610E 1865N-E5). Closed vessel, body sherd. Max dim 3.4. A coarse fabric (light gray, 5Y 7/1); burnished. Slipped: dark, traces on exterior.

Date: EM IIB.

FINE FABRICS, MM I–II

1.14, Fig. 21 (PS 1970; T1610E 1865N-E5). Cup, rim sherd. D of rim ca. 10. A fine fabric (gray, N 4). Thin, straight rim. Slipped: dark, possible traces on interior and exterior.

Comments: Surface missing.

Date: MM I–II (?).

1.15, Fig. 21 (PS 4443; T1610E 1865N-E5). Cup, rim sherd. D of rim ca. 8–12. A fine fabric (pink, 7.5YR 7/4). Straight rim. Slipped: traces on interior and exterior.

Comments: Probably a rounded cup.

Date: MM I–II.

1.16, Fig. 21 (PS 4445; T1610E 1865N-E5). Cup, rim sherd. D of rim 10. A fine fabric (pink, 7.5YR 7/4). Straight rim. Slipped: black to dusky red (7.5YR 3/4) on interior and exterior.

Comments: Probably a rounded cup.

Date: MM I–II.

1.17, Fig. 21(PS 4444; T1610E 1865N-E5). Closed vessel, base sherd. D of base 10. A fine fabric (light brown, 7.5YR 6/4). Slipped: black, on exterior.

Date: MM I–II.

1.18, Fig. 21 (PS 4446; T1610E 1865N-E5). Closed vessel, body sherd. Max dim 4. A fine fabric (light brown, 7.5YR 6/4). Slightly convex profile. Slipped: black, on exterior.

Date: MM I–II.

PHYLLITE FABRIC, MM I–II

1.19, Fig. 21 (PS 1972; T1610E 1865N-E5). Jar or bowl (?), rim sherd. D of rim ca. 10–12. A phyllite fabric (dark brown, 7.5YR 4/4 to 6). Outturned rim.

Date: MM I–II.

OBSIDIAN TOOLS

1.20, Fig. 21 (PS 1905; T1610E 1865N-E5). Blade, center section. Preserved length 2.1; max w 1.3; max th 0.3. Obsidian (black, N 1). Two ridges.

Comments: Chipped from use (?).

Date: FN–MM II.

1.21, Fig. 22 (PS 1555; T1610E 1865N-E5). Blade, center section. Preserved length 1.6; max w 0.7; max th 0.2. Obsidian (black, N 1). Two ridges.

Comments: Chipped, probably from use. Found in the water sieving of the contents of side-spouted jar no. **1.1**. This fragment probably washed down into the jar at some time after its deposition. It is unlikely that it was originally associated with this vessel.

Date: MM I–II or earlier.

BRONZE PIN OR NEEDLE

1.22, Fig. 22 (PS 1824; T1610E 1865N-E5). Pin, awl, or needle, fragments. Restored length over 7. Bronze. Straight pin. Neither end preserved, so one cannot tell if an eye was present.

Comments: This broken and heavily corroded metal pin was analyzed by LIBS; it is made of bronze (see

below), suggesting a date in Middle Minoan. Punches, pins, and needles are common in Minoan Crete, both in settlements and cemeteries (Branigan 1974, 171–174; Evely 1993, 86–93).

Date: MM I–II.

MARINE SHELLS

2 *Monodonta*, 2 complete
1 *Murex trunculus*, fragment, fresh
1 *Charonia*, body fragment

Inside Tomb, Above and Beside Undisturbed Stratum with Objects in Situ

CATALOGED OBJECTS

This selection of pottery comes from the upper stratum in the tomb, above the intact layer with complete objects. The level was disturbed (probably as a result of the excavations of Richard Seager), and it contained only a few items, including two shells and two animal bones. All the sherds are small fragments that come from several different periods. They help reconstruct the long period of use for this tomb.

PHYLLITE FABRICS, FN–EM I

1.23, Fig. 22 (PS 1951; T1610E 1865N-E3). Bowl, rim sherd. D of rim ca. 18. A coarse phyllite fabric (dark brown, 10YR 3/3); burnished. Straight rim; lug just below rim.

Date: FN–EM I.

1.24, Fig. 22 (PS 1928; T1610E 1865N-E3). Bowl, rim sherd. D of rim ca. 15. A coarse phyllite fabric (red, 2.5YR 5/8); burnished; Vaughan 2002, Fabric 1.

Date: FN–EM I.

COARSE FABRIC, EM IIB

1.25, Fig. 22 (PS 1952; T1610E 1865N-E3). Goblet, base sherd. D of base ca. 6. A coarse fabric, finer than usual (gray, 5Y 5/1); burnished. Slipped: red areas and gray areas.

Comments: Vasilike Ware. See no. **1.11**.

Date: EM IIB.

PHYLLITE FABRIC, EM–MM

1.26, Fig. 22 (PS 1939; T1610E 1865N-E3). Jar, rim sherd. D of rim not measurable; max dim 4. A phyllite fabric (red, 2.5YR 5/6). Thickened rim.

Comments: Possibly a bridge-spouted jar; the fabric is very different from that of the local EM III jars with a similar profile.

Date: EM–MM.

MARINE SHELLS

2 *Monodonta*, 2 complete

ANIMAL BONES

2 bones, 2 sheep/goat, 1 radius shaft small; 1 ulna shaft

Inside Tomb, Surface Stratum

CATALOGED OBJECTS

Objects in the disturbed surface stratum are useful for a documentation of a fuller range of the objects originally deposited in and near this tomb. All the objects are preserved in small fragments.

PHYLLITE FABRICS, FN–EM I

1.27, Fig. 22 (PS 1376; T1610E 1865N-E1). Open vessel, rim sherd. D of rim ca. 6. A coarse phyllite fabric (reddish brown, 5YR 4/3); burnished. Straight rim.

Date: FN–EM I.

1.28, Fig. 22 (PS 1375; T1610E 1865N-E1). Open vessel, rim sherd. D of rim ca. 18. A coarse phyllite fabric (dark brown, 7.5YR 3/2); burnished. Straight rim.

Date: FN–EM I.

PHYLLITE FABRIC, EM IIA

1.29, Fig. 22 (PS 1374; T1610E 1865N-E1). Pyxis, body sherd. Max dim 6.3. A phyllite fabric (light brown, 7.5YR 6/4, on exterior and dark gray, 10YR 4/1, at core); smoothed but possibly not burnished; Vaughan 2002, Fabric 8. Squat, globular body; vertical neck. Herringbone decoration incised on upper shoulder.

Comments: Fine Gray Ware (Betancourt 1985, 40).
Parallels: Boyd 1904–05, 180, fig. G:id (Gournia); Betancourt and Silverman 1991, no. 301 (Gournia).
Date: EM IIA.

FINE FABRIC, EM IIB

1.30, Fig. 22 (PS 1377; T1610E 1865N-E1). Closed vessel, body sherd. Max dim 4.6. A fine fabric, coarser than usual (pink, 5YR 7/4); burnished. Convex profile. Slipped: red to black areas.
Comments: Vasilike Ware (Betancourt 1979). Probably a jug.
Date: EM IIB.

Near Tomb

CATALOGED OBJECTS

An undisturbed layer of soil containing an unbroken pottery sequence from FN–EM I until MM IIA was discovered near the tomb. Pieces of obsidian and stone vase fragments came from the deposit as well. The largest concentration of objects was downhill south of the tomb, just outside the probable location of the original doorway. The stratum was completely mixed with no internal stratigraphy.

No pottery is later than MM IIA. All the pieces are in fragments, and no complete vessels can be mended from the sherds. An important group is the selection of Final Neolithic to Early Minoan I sherds, constituting a good series of the funeral vases from this little-known period. All of the sherds from this period are made in a coarse, dark, heavily burnished fabric. Inclusions of phyllite suggest the class is local to this part of Crete.

The most closely datable pieces of pottery and all of the objects in other materials are presented in this catalog.

PHYLLITE FABRICS, FN–EM I

The sherds in this class are all fairly thick. They are made of coarse, dark-surfaced fabrics with many inclusions (Vaughan 2002, Fabrics 1 and 2). The surfaces of the vessels are heavily burnished, and they are fired under conditions that result in dark (reduced) or variegated surfaces. Parallels from Final Neolithic and EM I sites indicate an early date. The distribution of this class of pottery in the region of the eastern side of the Gulf of Mirabello has been discussed by Betancourt (1999). Analyses of the fabrics confirm the probable local character (Vaughan 2002, Fabrics 1, 2, and 5).

1.31, Fig. 22 (PS 1390; T1610E 1865N-W1). Bowl, rim and base sherds. D of rim ca. 15. A coarse phyllite fabric (gray, 10YR 5/1, to dark brown, 7.5YR 4/2); dark surface; burnished; Vaughan 2002, Fabric 2. Straight rim; lug handles.
Date: FN–EM I.

1.32, Fig. 22 (PS 1737; T1610E 1865N-E2). Bowl, rim sherd. Max dim 5.2. A coarse phyllite fabric (red, 2.5YR 4/6); dark surface; burnished; Vaughan 2002, Fabric 1. Straight rim.
Date: FN–EM I.

1.33, Fig. 22 (PS 1741; T1610E 1865N-E2). Bowl, rim sherd. D of rim ca. 18. A coarse phyllite fabric (dark reddish brown, 5YR 3/4, to very dark gray, 5YR 3/1); dark surface; burnished; Vaughan 2002, Fabric 2. Straight rim.
Date: FN–EM I.

1.34, Fig. 22 (PS 1397; T1610E 1865N-W1). Bowl, rim sherd. D of rim ca. 16–18. A coarse phyllite fabric (mostly light brown, 7.5YR 6/4, with the core reddish brown, 2.5YR 4/4); dark surface; burnished. Straight rim.
Date: FN–EM I.

1.35, Fig. 22 (PS 1391; T1610E 1865N-W1). Bowl, rim sherd. D of rim ca. 18. A coarse phyllite fabric (brownish yellow, 10YR 6/6); dark surface; burnished. Inward leaning rim.
Date: FN–EM I.

1.36, Fig. 22 (PS 1355; T1610E 1865N-E2). Bowl, rim sherd. Max dim 4.2. A coarse phyllite fabric (surface dark gray, 5YR 4/1, with the core reddish brown, 5YR 4/3); dark surface; burnished; Vaughan 2002, Fabric 2. Outturned rim.
Date: FN–EM I.000

1.37, Fig. 22 (PS 1307; T1610E 1865N-W1). Goblet, base sherd with stem. D of base ca. 10. A coarse phyllite fabric (dark gray, 5Y 4/1, with the core red, 10R 5/8); dark surface; burnished; Vaughan 2002, Fabric 2. Tall hollow pedestal; clay extension at top of base to thrust into the base of the goblet's bowl.
Comments: The goblet is a very distinctive shape for the Cretan EM I period. It consists of a bowl supported by a tall stem. Many variations exist. Goblets with hollow stems like no. **1.37** come from Kalo Chorio (Haggis 1996; 1997) and Locus 17/92 in the Kampos Plain near Kavousi (Haggis 1992, nos. 335–336). The

shape also has parallels from the northeast Aegean, from Poliochni Blue (Bernabò Brea 1964, pls. 9–11).

Date: EM I.

1.38, Fig. 22 (PS 1986; T1615E 1865N-Tomb 1-2). Goblet, base sherd. D of base ca. 10. A coarse phyllite fabric (red, 2.5YR 5/6, to pale brown, 10YR 6/3); dark surface; burnished.

Date: EM I.

1.39, Fig. 22 (PS 1372; T1610E 1865N-W1). Open vessel, rim sherd. D of rim ca. 16–20. A coarse phyllite fabric (dark reddish gray, 5YR 4/2); dark surface; burnished. Straight rim.

Date: EM I.

1.40, Fig. 22 (PS 1373; T1610E 1865N-W1). Open vessel, rim sherd. D of rim ca. 21. A coarse marble-tempered fabric (reddish brown, 2.5YR 4/4); dark surface; burnished. Straight rim.

Date: FN–EM I.

1.41, Fig. 22 (PS 1308; T1610E 1865N-W1). Open vessel, rim sherd. D of rim 13. A coarse phyllite fabric (dark reddish brown, 5YR 3/2); burnished. Straight rim.

Date: FN–EM I.

1.42, Fig. 22 (PS 1309; T1610E 1865N-W1). Open vessel, rim sherd. D of rim ca. 8–10. A coarse phyllite fabric (reddish brown, 2.5YR 5/4); burnished. Straight rim.

Date: FN–EM I.

1.43, Fig. 22 (PS 1992; T1615E 1965N-Tomb 1-2). Closed vessel, rim sherd. D of rim 20. A coarse phyllite fabric (reddish brown, 5YR 4/4); brown surface; burnished. Straight rim; lug at rim.

Date: EM I–II.

1.44, Fig. 22 (PS 1339; T1610E 1865N-E1). Open vessel, body sherd. Max dim 3.7. A coarse phyllite fabric (reddish gray, 5YR 5/2); dark surface; burnished. Almost straight profile.

Date: FN–EM I.

1.45, Fig. 22 (PS 1311; T1610E 1865N-W1). Open vessel, body sherd. D of rim 16. A coarse phyllite fabric (dark brown, 7.5YR 3/2); dark surface; burnished. Straight rim; lug handle at rim.

Date: FN–EM I.

1.46, Fig. 22 (PS 1953; T1610E 1865N-E4). Open vessel, rim sherd. D of rim ca. 12. A coarse phyllite fabric (reddish brown, 5YR 4/3); surface missing. Straight rim; lug at the rim.

Date: FN–EM I.

1.47, Fig. 22 (PS 1950; T1610E 1865N-E4). Open vessel, rim sherd. D of rim ca. 12. A coarse phyllite fabric (reddish brown, 2.5YR 4/4); dark surface; burnished. Straight rim; lugs at the rim.

Date: FN–EM I

1.48, Fig. 22 (PS 1949; T1610E 1865N-E4). Open vessel, base sherd. D of base ca. 5–6. A coarse phyllite fabric (reddish brown, 5YR 5/4); dark surface; burnished.

Comments: A small open bowl.

Date: FN–EM I.

1.49, Fig. 22 (PS 1388; T1610E 1865N-W1). Jar, rim, body, and handle sherds. D of rim ca. 27–29. A coarse phyllite fabric (gray, 5YR 5/1, to red, 2.5YR 5/6); dark surface; burnished. Straight rim; vertical handles.

Date: FN–EM I.

1.50, Fig. 22 (PS 1356; T1610E 1865N-E2). Jar, lug sherd. Max dim 8.0. A coarse phyllite fabric (red, 2.5YR 4/6); probably burnished (surface missing). Wide lug with thin oval section; triangular; projection extends from center of lug for attachment by thrusting it through the wall of the vessel.

Comments: Surface missing.

Date: FN–EM I.

1.51, Fig. 23 (PS 1396; T1610E 1865N-W1). Closed vessel, body sherd. Max dim 7.8. A coarse phyllite fabric (reddish brown, 2.5YR 5/4, with the interior dark reddish brown, 2.5YR 3/4); dark surface; burnished. Almost straight profile.

Date: FN–EM I.

1.52, Fig. 23 (PS 1306; T1610E 1865N-W1). Closed vessel, body sherd with horizontally pierced lug. Max dim 8.5; d at lug ca. 33–37. A coarse marble-tempered fabric (dark brown, 7.5YR 3–4/2); dark surface; burnished. vessel with carinated profile; horizontally pierced lug.

Date: FN–EM I.

1.53, Fig. 23 (PS 1993; T1615E 1865N-Tomb 1-2). Vessel, handle sherd. Max dim 3.9. A coarse phyllite fabric (reddish brown, 5YR 4/3); dark surface; burnished; Vaughan 2002, Fabric 1.

Date: FN–EM I.0000

FINE FABRICS, EM I–II

1.54, Fig. 23 (PS 1995; T1615E 1865N-Tomb 1-2). Cup, rim sherd. D of rim ca. 8. A fine fabric, coarser than usual (reddish yellow, 7.5YR 8/6); burnished. Straight rim. Slipped: red, traces on exterior.

Comments: Possibly Vasilike Ware (Betancourt 1979).

Date: EM IIB (?).

1.55, Fig. 23 (PS 1395; T1610E 1865N-W1). Closed vessel, base and body sherds. D of base ca. 5. A fine fabric (pink, 7.5YR 8/4); highly burnished; Vaughan 2002, Fabric 9.

Comments: Possibly Vasilike Ware (Betancourt 1979).

Date: EM IIB.

1.56, Fig. 23 (PS 1988; T1615E 1865N-Tomb 1-2). Spouted closed vessel, spout sherd. D of rim 13. A fine fabric (reddish yellow, 7.5YR 8/6); burnished. Tip of spout.

Comments: Possibly Vasilike Ware (Betancourt 1979).

Date: EM I–IIA.