

CORPUS DER
MINOISCHEN UND MYKENISCHEN SIEGEL

BAND VI · OXFORD · ASHMOLEAN MUSEUM

TEIL I

CORPUS DER
MINOISCHEN UND MYKENISCHEN SIEGEL

BAND VI

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CORPUS DER
MINOISCHEN UND MYKENISCHEN SIEGEL

begründet von
FRIEDRICH MATZ

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HELEN HUGHES-BROCK with JOHN BOARDMAN



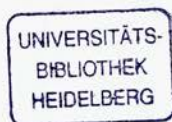
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In memory of
Ann Brown

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VORWORT DER HERAUSGEBER

Mit dem jetzt veröffentlichten Band wird die Edition der Katalogbände des von der Akademie der Wissenschaften und der Literatur in Mainz herausgegebenen Corpus der Minoischen und Mykenischen Siegel abgeschlossen. Das Werk hat seine eigene Geschichte. Bereits im Vorwort zu CMS I war als Bearbeiter der im Ashmolean Museum befindlichen Siegel V.E.G. Kenna vorgesehen. Nach dessen Tod konnte der damalige Herausgeber Friedrich Matz 1971 Sir John Boardman für die Übernahme der Bearbeitung gewinnen. Nachdem Boardman die meisten Beschreibungen fertiggestellt hatte, übertrug er 1978 Helen Hughes-Brock die weitere Bearbeitung des Materials bis zum Abschluß des druckfertigen Manuskripts.

Einer Erläuterung bedürfen die Abbildungen in dem vorliegenden Doppelband. Die Mehrzahl der Fotos wurde vor nahezu 50 Jahren von dem Fotografen Carl Albiker mit einer damals bereits altmodischen Technik aufgenommen. Da die Qualität der Aufnahmen nicht immer zufriedenstellend war, wurden später viele von verschiedenen Fotografen wiederholt. Dabei wurden unterschiedliche Beleuchtungs- und Aufnahmetechniken angewandt. Ähnlich wurde mit den Abdruckfotos verfahren. In diesem Fall kam hinzu, daß im Laufe der Jahre sehr unterschiedliche Materialien für die Herstellung der Abdrücke verwendet wurden, neben Gips, Plastilin, Vinagel und Silikon. Abdrücke aus diesen Materialien sind von unterschiedlicher Qualität und müssen auf unterschiedliche Weise beleuchtet und fotografiert werden. Schließlich stammen auch die Zeichnungen von verschiedenen Zeichnerinnen, die selbstverständlich alle ihren eigenen Stil haben. Eine Aufstellung der Fotografen und Zeichner bieten die Sources of Illustration. Insgesamt stellen die Abbildungen in ihrem jetzigen Zustand einen vertretbaren Kompromiss dar.

Ohne mannigfaltige Hilfe kann ein solcher Band nicht fertiggestellt werden. Allen, die dazu beigetragen haben, danken wir herzlich. Über den von der Autorin bereits genannten Personenkreis hinaus erwähnen wir dankbar die Mitarbeit von S. Lieberknecht, die zahlreiche Motivzeichnungen beisteuerte und die Profilzeichnungen nach Bleistiftvorlagen von Sarah Reason ausführte. Für das Scannen der Abbildungsvorlagen danken wir D. Fräßdorf und M. Gabers.

Der Projektkoordinator der Akademie Carlo Servatius und in der Schlußphase der Vorbereitung sein Nachfolger Andreas Kuczera sowie der Generalsekretär Claudius Geisler haben die Arbeiten nach Kräften unterstützt, wofür wir ihnen Dank schulden. Der Leiter der Kommission für Archäologie innerhalb der Akademie, Henner von Hesberg, hat das Entstehen des Bandes mit stetem Interesse begleitet. Das Bundesministerium für Bildung und Forschung und das Hessische Ministerium für Wissenschaft und Kunst stellten wiederum die Mittel für die Vorbereitungsarbeiten auf deutscher Seite und teilweise für den Druck zur Verfügung. Die British Academy gewährte dankenswerterweise Mittel für die Anfertigung zusätzlicher Fotos. Für die Druckkosten dieses umfangreichen letzten Bandes war indes weitere finanzielle Unterstützung erforderlich.

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Marburg, im Oktober 2008

I. Pini – W. Müller

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Sarah Reason. Final execution of drawings on Tables and in the catalogue: S. Lieberknecht.

Map

K. Bennett.

Scans and orientation of figures

D. Fräßdorf, M. Gabers.

Enhancing of scans:

W. Müller, I. Pini.

BIBLIOGRAPHICAL ABBREVIATIONS

- AA* Archäologischer Anzeiger
- AAA* Αρχαιολογικά Ανάλεκτα ἐξ Ἀθηνῶν
- ActaPrHistA* Acta Praehistorica et Archaeologica
- ADelt* Ἀρχαιολογικὸν Δελτίον
- Aegaeum* Aegaeum. Annales d'archéologie Égéeenne de l'Université de Liège
- ÄgLev* Ägypten und Levante. Zeitschrift für ägyptische Archäologie und deren Nachbargebiete
- AEphem* Ἀρχαιολογικὴ Ἐφημερὶς
- AfO* Archiv für Orientforschung
- AGD I-IV* Antike Gemmen in Deutschen Sammlungen I-IV, 1968-1975
- Aign, Musikinstrumente*
B. Aign, Die Geschichte der Musikinstrumente des ägäischen Raumes bis um 700 vor Christus. Inauguraldissertation Frankfurt am Main, 1963
- AJA* American Journal of Archaeology
- Al, Boomcultus* B. S. A. Al, De mannelijke en de vrouwelijke godheid van de boomcultus in de Minoische godsdienst. Diss., Univ. of Amsterdam 1942
- AM* Athenische Mitteilungen
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- AntCl* L'Antiquité Classique
- AntCret* Antichità Cretesi. Studi in onore di Doro Levi, vol. I. Cronache di Archeologia 12, 1973 (publ. 1977)
- AntJ* The Antiquaries Journal. Journal of the Society of Antiquaries of London
- ArchHom* F. Matz - H.-G. Buchholz (eds.), Archaeologia Homericæ
- ArchKoBlatt* Archäologisches Korrespondenzblatt
- ArchW* Archaeologia (Warszawa)
- ARepLond* Archaeological Reports
- ASAtene* Annuario della Scuola Archeologica di Atene e delle Missioni italiane in Oriente

- AttiCongMic I* Atti e Memorie del 1 Congresso Internazionale di Micenologia, Roma 27 settembre–3 ottobre 1967. Incunabula Graeca XXV, vols. i–iii, 1968
- AttiCongMic II* Atti e Memorie del Secondo Congresso Internazionale di Micenologia, Roma – Napoli, 14–20 ottobre 1991, a cura di E. De Miro, L. Godart, A. Sacconi. Incunabula Graeca XCVIII, vols. i–iii, 1996
- BABesch* Bulletin van de vereniging tot bevordering der kennis van de antieke beschaving te 's-Gravenhage
- Bakermat* Kreta, Bakermat van Europa. Crete, cradle of Europe. Vereniging van Vrienden, Allard Pierson Museum, Amsterdam, Mededelingenblad 54/55, 1992 [exhibition catalogue]
- BAR – IS* British Archaeological Reports, International Series
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- BCH* Bulletin de Correspondance Hellénique
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- BMQ* British Museum Quarterly
- BMusFA* Bulletin of the Museum of Fine Arts, Boston
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OTHER ABBREVIATIONS

<i>Acc. Reg.</i>	Accessions Register, Ashmolean Museum
<i>Bull.</i>	Bulletin
<i>Coll.</i>	Collection
<i>Diss.</i>	dissertation
<i>Inst.</i>	Institute
<i>H.</i>	height
<i>horiz.</i>	horizontal
<i>L.</i>	length
<i>OAM</i>	Oxford, Ashmolean Museum
<i>Perf.</i>	perforation
<i>pres.</i>	preserved
<i>prov.</i>	provenance
<i>repr.</i>	reprinted
<i>Th.</i>	thickness
<i>Univ.</i>	University
<i>vert.</i>	vertical
<i>W.</i>	width
<i>Wt.</i>	weight
Ø	diameter
'...'	allegedly
Δ	Δ-shaped perforation
⊥	⊥-shaped perforation

All measurements in centimetres.

PREFACE

The compilation of this large catalogue required not only an inordinately long time but also the contributions of many people, above all of Professor Dr. Ingo Pini and Dr. Walter Müller, who did much more than they should have expected. They are responsible for working out the order of the 516 items in the Catalogue, for establishing the material and the stylistic affinities of many pieces and for identifying the motifs or possible motifs on a number of worn and fragmentary pieces. Ingo Pini has provided the suggestions for dating (see Index V). Their constant flow of valuable discussion and advice is reflected throughout.

Most of the descriptions were written at an early stage by John Boardman, covering the seals catalogued in *Kenna, CS* as well as those published earlier by Boardman himself from the Psychró Cave ('Dictaeon Cave') in *Boardman, CCO* and the 1971 Hamerton gift (ex Coll. de Jong) in *Boardman in AntCret*. Occasional details of these descriptions have been revised by Helen Hughes-Brock. Those for the nine pieces from the Edith Eccles bequest of 1980 were provided by the late John Betts. The remaining descriptions and the Comparanda, Commentaries and Bibliography are the work of Helen Hughes-Brock. Ingo Pini and Walter Müller have made revisions and improvements.

The work depended of course on colleagues and staff members at the Ashmolean Museum, especially the late Dr. P. R. S. Moorey, the late Mrs. Ann Brown, Arthur MacGregor, Dr. Susan Sherratt, Professor Michael Vickers, Dr. Helen Whitehouse, Dr. Yannis Galanakis and the Conservation Department under Mark Norman. Their patience and good humour never once failed. Happy teamwork of Helen Hughes-Brock and Ann Brown bore much fruit for both, first in the publication of Sir Arthur Evans's travel diaries (here *Brown – Bennett, Travels*) and now in the provenance entries here, which rely heavily on that publication and are of course much easier to use (and much shorter) because of it. That teamwork continued when Keith Bennett adapted his maps from that volume to suit the requirements of this one. A few further details were obtained directly from letters in the Evans Archive at the Ashmolean. The organising of photography with Robert Wilkins and Ian Cartwright, of drawings with Marion Cox and of profiles with Sarah Reason was often complicated and tedious but they all put up with it good-naturedly and made it much easier than it might have been.

Others were generous with information, advice and encouragement, particularly Dr. Lisa Bendall, Dr. R. D. G. Evely, Dr. Margaret Gill, Dr. Olga Krzyszkowska, Dr. János Makkay, Dr. Nicoletta Momigliano, Dr. Jacke Phillips, Gertrud Seidmann (on the Revd. G. J. Chester), the late Dr. Christiane Sourvinou-Inwood, Professor Peter Warren, Judith Weingarten, Dr. Nigel Wilson, Professor J. G. Younger, Dr. Paul Yule; Dr. L. Godart and Dr. J.-P. Olivier (Hieroglyphic signs), Dr. Jack Ogden and the late Dr. Agne Xenaki-Sakellariou (gold rings); Dr. F. B. Atkins, Miss M. T. Price and R. Wilson (at the University Museum, Oxford), C. Fogg (at the Department of Earth Sciences) and Dr. Çiğdem Lüle-Whipp (geological information); Drs. B. Gilmour, G. Grime,

R.E.M. Hedges and Zofia Stós, Professors Mark Pollard and J. Henderson (analyses); Dr. Andrew Shortland and Professor M. S. Tite (glass); Dr. H. W. Catling and Rachel Hood (Hamerton gifts); Professor Martin Henig and Eunice Martin (history of No. 305). The staff of the Ashmolean Library and of its successor the Sackler Library gave help on many occasions. Dr. Christoph Bachhuber cheerfully did what must have seemed interminable hours of typing. Dr. E. A. Livingstone generously provided work space in her house during two visitations from Marburg. Dr. Sebastian Brock lovingly sustained his wife in every way.

INTRODUCTION

General remarks

Most of the 516 seals in the present Catalogue have been published before, or at least illustrated, by Sir Arthur Evans in various works from 1894 to 1935, by Kenna in CS or by Boardman in CCO or AntCret. For this reason and because the publications by Kenna and Boardman were still relatively recent, priority was given to CMS publication of less well known collections. A number of pieces, however, have not appeared before with full details in the Minoan and Mycenaean seal literature. Eleven are simply more recent acquisitions: soft-stone prisms **80–82**, a soft-stone loop signet (Petschaft) **135**, three ‘Talismanic’ stones **207, 215, 239**, a fragment with a Talismanic or Cut Style bird **271**, a jasper fragment with a hunting lion **371** and two soft stones with animal motifs **350** and **406**. Another eleven, including some of real interest, have been in the Ashmolean for many years but for one reason or another escaped Kenna’s attention: the metal signet with Hieroglyphic signs **126**, the little disc **158** resembling Mallia Workshop products but of an uncommon shape, two Talismanic stones **213** and **227**, a Talismanic or Cut Style bird **272**, two lentoids **282** and **326** with intriguing iconographic and technical features, an animal hunt **400** with some uncommon features, a sadly ruinous fine blue lentoid **416**, a late piece **506** with conical back and outlandish provenance and a rare soft-stone ring **431**. This stone ring and six other pieces overlooked or dismissed as fakes by Kenna have been illustrated and briefly discussed but only relatively recently: **31, 83, 158, 267, 400, 443**. Three pieces, **326, 416, 506**, have never been mentioned or illustrated at all. **126** and **282** did appear in publication, but in connexion with script matters. Three interesting pieces were published outside the Minoan and Mycenaean seal literature: the stamp cylinder **1** with Cycladic and Near Eastern collections, **22** as Geometric, the rare X-shaped **172** as a bead. A keen-eyed student won reappraisal and late acceptance for **Add. 2**.

The re-examination and ‘rehabilitation’ of pieces previously considered doubtful or fake has played a significant part in the preparation of this volume. Kenna’s long list of 42 Gemmae Dubitandae has been considerably reduced.¹ Now certainly genuine are the important rings, **278** (misnamed ‘Vaphio’) and **280**, both much discussed for their motifs, and the bull-leaper ring from Archanes **336**. The ‘Ring of Nestor’ **277** is also included, although certain troubling features continue to raise doubts. The steatite prism **31** belongs with Mallia products, the sepiolite prism **83** is significant for its material, **267** is now recognisable as Cut Style, the religious iconography of **284, 314** and **315** has impeccable parallels, **320** and **443** have Minoan engraving on re-worked beads. **326** presents some rather strange features and the green stone mystified a cataloguer in the hasty 1941 work on the Accessions Register, but both material and shape now look quite correct. **380**, an unquestionably Minoan composition and found in the ‘Dictaeon Cave’ excavation of 1896,

¹ Kenna, CS 154, pl. 20. Cf. H. Hughes-Brock in CMS Beih. 6, 107–21.

was recognised by Boardman (and its worth recognised by Evans, who mounted the cast in gold-edged paper: v. infra); Kenna's doubts were quite groundless.

A number of objects of various kinds are not included in the Catalogue but are listed below with brief descriptions (pp. 26–29).

Provenances which are only alleged rather than certain appear in other CMS volumes in inverted commas. This policy has not been easy to follow in this volume, where the great majority of the pieces were probably chance finds and sold directly or through a dealer. When Arthur Evans bought an object at a village, its find-place probably was nearby, though strictly speaking only hearsay. In the case of objects recorded as from Knossos or the Knossos district, it is hard to be certain. While Evans was on the spot, local people brought him genuinely local finds, but on the other hand, when he bought stones in Candia or Athens, dealers would have known that saying 'Knossos' would entice their customer. For the very numerous pieces with no provenance at all the Accessions Register, as is noted below, nearly always gives 'Crete' or '?Crete' or 'Crete etc.', simply on the assumption that Crete was the place of manufacture and probably of acquisition, although in fact some pieces probably came through dealers in Athens (like 425) or elsewhere. In the Catalogue entry the bracketed number preceding a place-name refers to the map printed at the end of each bound volume.

Comparanda sections do not normally repeat individual items from the lists of comparanda given in the works on particular subjects, principally the following: Yule, ECS; Sbonias, Frühkretische Siegel; Olivier – Godart, CHIC; Onassoglou, DtS; Younger, Middle Phase; Younger, Aegean Seals I–IV; Younger, Iconography; Dickers, SpätmykSiegel; Czernohaus, Delphindarstellungen; Danielidou, OA; Ruuskanen, Birds; Vanschoonwinkel, Les animaux; Wingerath, Darstellung; Evely, Crafts; various *Archaeologia Homerica* volumes; and the works on ships and (by I. Pini) on glass seals cited in the Catalogue entries. An effort has been made to provide as comparanda objects published more recently than these works. 'Motif' refers to what appears on the sealface, 'Subject' (*Bildthema*) to its wider context or interpretation.

The Bibliography sections are generally arranged in chronological order but this is often waived to some extent when *idem/eadem* and *ibid.* could be exploited both for the reader's convenience and to save space, a necessary consideration in this large volume. Minor references are often enclosed in parentheses. References relating to manufacture (mostly in Evely, Crafts) are usually placed at the end of the entry except in some cases where specific comparisons are treated.

History and sources of the collection

The first Aegean seal to enter the Ashmolean Museum was 346, purchased in 1873 as a 'Phoenician prism....Found in Egypt' but recognised by Furtwängler in 1900 as belonging to 'die mykenische Epoche'. It was purchased apparently from the Revd. Greville John Chester (1830–1892), an English clergyman who travelled widely in the eastern Mediterranean, Egypt and the Near and Middle East, became a very knowledgeable amateur and collector and made important contributions to a number of museums. Between 1871 and 1892 Chester gave or sold to the Ashmolean many stones collected during his travels and bought in Egypt, Athens, Smyrna, Beirut, Baghdad and elsewhere. The alleged provenances of these Chester pieces, and even the places of purchase,

have in some cases suffered from confusion of various kinds.² Ottoman dealers, moreover, handled things from a very wide area. Sometimes a place of purchase (and price) is recorded in Chester's notebooks, probably at, or soon after, the time of purchase (e.g. **335**, of which more below), but beyond that the sources given are best treated with reservation. **346**, for example, mentioned above, was purchased in Egypt on Chester's 1873 journey there but was registered as 'found in Egypt', a different matter! In 1889 the Ashmolean acquired from Chester several dozen Near Eastern pieces but at the same time also **291** (unmistakably Cretan) and **479** (rather puzzling) from a batch of objects bought at Smyrna with the alleged provenance Sardis, and the Talismanic **229** (also bought at Smyrna?) allegedly from Ephesus. Unusable though these provenances are, in the light of present and growing knowledge of the Minoan and Mycenaean presence on the East side of the Aegean one cannot rule out the possibility that they might indeed after all bear some relation to the truth.³ 'Baghdad', however, is not convincing for **506**, supposedly one of a batch of five seals bought in Baghdad. All five have a rather pointed back and were perhaps put together for that reason, but the other four have neo-Babylonian shapes and engraving. Both the particular shape and the engraving of **506** set it apart from those and must indicate Aegean origin.⁴ Most probably it was mixed with the Baghdad batch because of its shape or by accident and was really acquired during his stop in Athens, as were the other three Chester seals of 1889, **1**, **501** and **104**. **1** was certainly bought in Athens from Athanasios Rhousopoulos (as were some of Evans's seals: v. infra, n. 20 f.), but the lack of absolute certainty as to its find-place is particularly unfortunate, since parallels in the growing corpus of Near Eastern EBA seals now seem to increase the likelihood that both **1** and CMS V Suppl. 3,2 No. 380 are imports (see Catalogue entry). For **501** 'Athens' doubtless means only the place of purchase. 'Sparta' for **104** is altogether of more moment, for this Hieroglyphic prism is the stone which Evans maintained had first attracted his attention at the Ashmolean and awakened his curiosity about Crete. For its true, Cretan, provenance see below.

In 1890 came two more Chester seals, **22** and **39**. Chester's note accompanying **22** gives 1878, 'Marcosune, Attica'. This is perhaps an error for Markopoulo, near which EH II graves and stray Early Cycladic objects have been found.⁵ No. **39**, supposedly from the coast of Syria (which Chester visited in that year), is a Cretan prism and one might guess that it was bought in Athens, like pieces he had given the year before. The last Chester gift, **335**, was bought in Egypt and noted by Chester in a small notebook of his 1891-2 purchases. It was bought at Abu Tig in northern Upper Egypt (south of Asyut) in a batch of five objects costing together £13.50. Kenna placed it

² cf. I. Pini in Laffineur – Greco, *Emporia*, II, 778 n. 6. Similar source and provenance problems at the British Museum have been grappled with by O. Krzyszkowska (in CMS Beih. 6, 150 n. 3, 162 nn. 49, 50; for some background to **346** see 150 f. n. 5, a list of pre-1878 acquisitions in European museums). On Chester see Sherratt, *Cat-CycladicAshm I*, 2 f.; W. R. Dawson – E. P. Uphill, *Who was Who in Egyptology*³ (1995), 96 f.

³ Cf. Krzyszkowska, AS 307. The 'bull at the cistern' **181** was said, two owners before Evans, to be from Priene. Evans himself early noted that among the many seals found on the Syrian coast and in Asia Minor, 'this Mykænaean class is conspicuous by its absence' (JHS 13, 1892-3, 220).

⁴ B. Buchanan – P. R. S. Moorey, *Catalogue of Ancient Near Eastern Seals in the Ashmolean Museum (1966-1988)*, III, 57, 61 f. nos. 398, 408-410. Our **506** quite rightly is not included there but nor was it used by Kenna in CS (1960). Buchanan and Kenna were in the museum at work on their catalogues at the same time but relations between them were not good and they did not consult each other. Kenna thus may well not have seen **506** (information from the late Dr. P. R. S. Moorey). Buchanan and Boardman, happily, did work together (Moorey, *ibid.* ix).

⁵ R. Hope Simpson – O. T. P. K. Dickinson, *A Gazetteer of Aegean Civilisation in the Bronze Age, I: The Mainland and Islands* (1979) 211. The two Attic mountain place-names 'Mavrovouni' seem less likely.

in his 'Peripheral' category with good reason, for in truth it barely looks Aegean except for its good lentoid shape.

Sound Cretan sources begin in 1893 with five seals presented by the young J. L. Myres (269, 413, 449, 484, 489), fruits of the trip to Crete which Myres had made in that year at Arthur Evans's urging. These five stones were the prelude to Evans's own gifts, which form by far the greatest part of the Ashmolean collection.

The exciting days of Evans's first Cretan trip in the spring of 1894, vividly recorded in his diary (published in 2001; here Brown – Bennett, *Travels*), produced many seals, some merely seen and sketched, others bought from the town dealers or directly from country people.⁶ Evans began presenting some of his acquisitions to the Ashmolean in the year 1894 itself, but the 31 objects given in that year and the eight given in 1895 include Minoan stone vases, figurines, later objects etc., but no seals. In the years 1896 to 1908 a new registering system was used, dividing objects into AE (Aegean), E (Egyptian), G (Greek) and so on. The 1894 and 1895 acquisitions were incorporated in this and assigned new AE numbers; they thus have two inventory numbers, but the AE number is the one in use.⁷

After 1908 the old accession-year system was reintroduced, but when in 1957 a card index was being compiled and some old objects were found unregistered, the AE system was revived for them, with numbers starting from AE 1500. These objects had been certainly given by Evans, most of them probably between 1896 and 1908, and seem to have been bypassed by him for various reasons. Among them are eight items from the Psychró Cave, viz., three fragments (332, 488, 495), a worn and nondescript steatite piece (509), two undistinguished Talismanic stones (188, 216) and two glass seals (387, *Add. 1*), which looked merely like badly decayed beads. (That Evans himself had not bothered about these, or about most of the pieces omitted from Kenna, CS can be seen from a glance at Boardman, CCO pl. XXIV: only the 'good' pieces are in his gold-edged mounts). 416 had probably been left aside because of its poor condition. 282, however, was given by Evans in 1938 and according to the Accessions Register was 'left unregistered because considered a fake', a judgement which improved knowledge of soft-stone seals shows now to have been mistaken. The bull-leaper ring from Archanes 336, also a 1938 gift, was probably unregistered for the same reason, tainted as it was by its inclusion in Evans's long article on the notoriously fake 'Thisbe' Treasure.⁸ In 1910 Evans gave the museum 20 seals, perhaps at a time when he was tidying up his collection (perhaps making and labelling impressions, e.g. of 45?).⁹

The greatest part of the collection, however, came as a gift from Evans in 1938. These bear the customary year number, but some of the 1910 acquisitions were re-registered at the same time and given a 1938 number too. The many pieces without provenance were generally assigned simply to 'Crete' in the Accessions Register, sometimes with the embellishment of a conscientious '(?)' or 'etc.'. The reader should note that although Crete is always the likeliest place of acquisition, some pieces were probably acquired in Athens or elsewhere. Secondly, when objects were registered twice this volume always uses the earlier and lower number, except in two cases where we

⁶ See also A. Brown in D. Huxley (ed.), *Cretan Quests: British Explorers, Excavators and Historians* (2000) 9–14.

⁷ Brown – Bennett, *Travels* 481; Boardman, CCO [xi].

⁸ Evans, JHS 45, 1925, 1–75.

⁹ For the fake gold ring from 'Boeotia' 1910.196 v. *infra*, p. 28, *Objects Not Included*. Evans had in the meantime sold some seals in 1905 to finance the Knossos excavations (Rollin and Feuardent sale catalogue, 'Collection d'un Archéologue Explorateur', 8 May 1905, Hôtel Drouot, Paris).

follow Kenna in using the higher number: No. **40** (1941.220, originally 1941.87) and No. **336** (AE 2237, originally AE 1804).

Finally, some 90 pieces arrived in 1941 as Evans's legacy. As in 1938, many could be registered only as from 'Crete'. Nos. **19** and **120**, with 1952 accession numbers, in fact belong to the 1941 legacy and perhaps had been left out because of the wartime haste and the unusual, perhaps perplexing, appearance of both of them; **120** could be an Egyptian button seal, and its engraving is certainly not typically Minoan (v. infra, pp. 14, 22).

Although the great majority of Evans's seals were acquired from local people in Crete or from dealers there and in Athens, a few came from other collectors. His earliest such purchase seems to have been **305**, bought from the large and distinguished collection of the Liverpool businessman Joseph Mayer at Sotheby's in 1887. This stone, recorded in 1831, has a long history for an Aegean gem and the longest of those in the Ashmolean, but my efforts to trace its movements between 1831 and 1879 ended in frustration.¹⁰

From Athanasios Rhusopoulos in Athens he purchased **462**. This, together with a black lentoid, a small white Egyptian scarab, two fibulae, a bronze vase and some other objects, had been sold to Rhusopoulos with the story that they had been found in two graves in Kleitoria in Arcadia, which he says he saw no reason to doubt. The fish, he further tells Evans, was called *χελίδων* by the ancients but *χελιδόψαρον* now; he has seen them flying over the sea on his travels.¹¹ The black lentoid (a Mainland Popular stone?) and the scarab he dismisses as 'wertlos' (neither is now identifiable). He may also have been the source of **400**, which has the monogram *AR* impressed in a modern restored patch (and is mounted on a swivel ring like CMS IX No. 127, sold by Evans in 1905). He certainly owned the terracotta impression CMS XI No. 166 now in Munich; this was taken from **343**, which Evans bought in Athens – from him?¹²

Evans obtained several seals from R. B. Seager's collection: **100**, **126**, **421** and perhaps **11** specifically by exchange in 1922 (when Seager visited him at Knossos), as well as **25**, **143** and OAM 1941.132 (a fake: see below, Objects Not Included, p. 29) perhaps in the same circumstances.¹³ Evans's '1922 Crete' notebook records some of the exchanges and conversation (cf. n. 19). Three

¹⁰ Tommaso Cades' sets of casts of gems in museums and private collections, 1831- (see Catalogue entry), were made up in *centurie*, bound volumes of 100 casts. The first four *centurie* were taken mostly from the collection of an Englishman living in Rome, the Revd. Dr. G. F. Nott. **305**, being Cades no. 76, was thus quite possibly Nott's. Perhaps it reached England when Nott's collection was sold in 1842 after his death, but the sale catalogue describes nothing which could be **305**. Some ex-Nott items appear in the collection of Bram Hertz, a German living in London, catalogued anonymously (in fact by Wilhelm Koner) in 1851. Hertz's collection was bought by Joseph Mayer in 1857 and over subsequent years, but again neither the Hertz catalogue nor the Hertz sale catalogues seem to include **305**. (The unfamiliar Minoan genius was hard to describe, of course, but attempts to do so should be recognisable.) Thus neither the Nott nor the Hertz sales provide evidence to fill the gap between Cades and Mayer. Mayer bought from elsewhere too, however. **305** was catalogued in his collection in 1879. I have not seen the Mayer sale catalogue of May 1887, with gems sold in lots of three to five stones, at which Evans purchased **305**. See C. W. King, *Antique Gems and Rings* (1872), 461; M. Henig in M. Gibson – S. M. Wright (eds.), *Joseph Mayer of Liverpool 1803–1886, Society of Antiquaries of London Occasional Papers* (N.S.) XI, 1988, 94–103, Appendix I, 227 f.; idem, *Classical Gems...in the Fitzwilliam Museum, Cambridge* (1994), xix f.

¹¹ Letters of A. Rhusopoulos to Evans, 12 and 18 November 1896, now in the Evans Archive.

¹² H. Hughes-Brock in CMS Beih. 6, 119 n. 37; for more on Rhusopoulos see Sherratt, *CatCycladicAshm I*, 2, 6, 25 f. Y. Galanakis in Kurtz et al., *Essays for Hatzivassiliou*; entry in the 'Μεγάλη Έλληνική Έγκυκλοπαιδεία'. Among Evans's impressions at the Ashmolean are one of CMS VII No. 71 bearing a fancy monogram 'AR' and one of CMS I No. 403 stuck onto part of a printed card bearing part of a name 'ΑΘΑΝΑΣ'. Rhusopoulos had also owned **1**, bought by Chester, and pieces now elsewhere (e.g. CMS XI Nos. 37, 38).

¹³ Cf. M. J. Becker – P. P. Betancourt, Richard Berry Seager, *Pioneer Archaeologist and Proper Gentleman* (1997), 160.

objects are bracketed as 'Seager' but the accompanying sketches were evidently not made with the objects before his eyes; the motifs are not sketched, and whereas **126** is unmistakable, **143** is called 'cornelian' and 'duck of alabaster (as *beads* [?] from Messará)' has the duck's head facing forward but the white colour and the perforation fit **11**. Evans's collection of red sealing wax impressions at the Ashmolean includes over 30 from Seager's collection, including CMS XII Nos. 198 and 204 (*v. infra* n. 22).

285 came by exchange from an unnamed American collection, apparently quite some years after Xanthoudides and Evans had first come to know of it. The previous owners of two other unusual pieces, **395** and the gold loop signet **137**, are also unnamed and Evans's wording about **137** seems rather curious.

Meanwhile the Ashmolean had made small purchases through connexions with the British School at Athens: **436** in 1920 from a very young student, A. W. Lawrence (later known for his work on Greek sculpture and architecture), and in 1925 15 stones, bought in Athens, from A. M. Woodward, then Director of the School. **377** was a single purchase from the Wyndham Cook Collection, presumably chosen for its pretty blue stone and dramatic action scene. **436** had been bought in Greece, all the rest specifically in Athens.

In 1953 the museum was given eight seals by the Revd. Victor Kenna. Kenna, like Chester a travelling clergyman, had travelled in the Eastern Mediterranean as a chaplain in the Royal Navy and had developed a love of seals in the process. During the next few years he put together his catalogue of the whole Ashmolean collection, Kenna, CS (1960). In it he assigned this 1953 batch to his 'Peripheral' section, noting that they were 'said to have been discovered on the coast of Palestine near Gaza'. Despite the existence of Gaza Minoa in ancient times, this supposed provenance should probably not be given much weight.¹⁴ It could be a dealer's story, or conceivably a dealer had obtained them from a Palestinian refugee resident in the Gaza area. Only **504** is problematical, with its flat profile and odd (unfinished?) motif.

In 1967 and 1968 the museum purchased 36 seals from the collection of R. M. Dawkins published in CMS VIII.¹⁵ These include a number of earlier conoids and prisms, nine 'Talismanic' stones and several soft-stone pieces as well as a signet with a cat's face (No. 34), an unusual obsidian disc (No. 39), a serpentine lentoid with Minoan genii flanking a column (No. 65) and an agate lentoid with two pairs of recumbent bulls (No. 90).

In 1971 seventeen seals once owned by Piet de Jong were presented by Dr. Anthony Hamerton, Piet and Effie de Jong's physician and a close friend in their old age.¹⁶ These were followed in 1991 by **350** after Dr. Hamerton's death. All had been given to Dr. Hamerton by Piet or Effie de Jong and had most probably been given earlier to the de Jongs by Evans. The gold-edged blue paper encasing the plaster cast of **350** matches the mounts (in paper of various colours) used on most of the Ashmolean casts (though, as noted above, a glance at Boardman, CCO pl. XXIV shows that some 'inferior' pieces did not receive this treatment). The same kind of mount appears

¹⁴ Stephani Byzantii quae supersunt, ed. A. Meinecke, 454. Cf. I. Pini in Laffineur – Greco, *Emporia* II 778 n. 6.

¹⁵ See Concordance. For further details of the dispersal of the Dawkins Collection see J. H. Betts, CMS X, 12 f.

¹⁶ Boardman in *AntCret*, nos. 2–18. No. 1, a banded agate lentoid with gold caps depicting a goat with head turned down, which had belonged to Effie de Jong, was still in Dr. Hamerton's possession. Its present whereabouts is unknown. On the de Jongs and Dr. Hamerton see Rachel Hood, *Faces of Archaeology in Greece: Caricatures by Piet de Jong* (1998) 263. Mrs. Hood and Dr. Hector Catling kindly supplied helpful information.

on the impression of CMS XIII No. 84, also once Evans's. It might be a useful clue in the search for still untraced pieces he once had.

1980 brought nine pieces bequeathed by Edith Eccles, probably acquired in Crete during archaeological work (e.g. with Pendlebury) in the 1930s or during relief work in 1944–45.

In 1989 the Ashmolean purchased in London 16 seals from the collection of Hans and Marie-Luise Erlenmeyer published in CMS X.¹⁷ These augmented the museum's small holdings of early ivory and 'white pieces' (Nos. 9, 10, 28, 37–39) and of late soft-stone seals (Nos. 184, 190, 191, 197, 203; also 188).¹⁸ Of the remaining four pieces purchased (Nos. 53, 58, 59, 136) the most interesting is the pyrite loop signet No. 53 (now OAM 1989.75; v. *infra*, p. 15).

Find-places and places of acquisition in Crete

The vast majority of the pieces in the Ashmolean are known to have been found in Crete or, even if purchased elsewhere, are clearly of Cretan manufacture. Evans's early explorations produced many from Central and Eastern Crete. He spent little time in the Messara. He seldom visited the western half of the island (and of the relatively few pieces from Rethymno and westwards a considerable proportion were acquired by others, e.g. the four pieces bought by Myres in 1893). The result is naturally a certain imbalance. Prepalatial stones and the white-coloured materials (bone, ivory, 'white pieces') are rather few, the generally MM II steatite prisms of the Mallia Workshop type abound, while the Mainland Popular style now well represented in the Arménoi graves is not especially well represented in the Ashmolean, although the fluorite seals associated with it account for no fewer than six pieces altogether (including a small chip: see below, p. 27, Objects Not Included), five of which were votives from the cave at Psychró.¹⁹

Where a find-place is merely alleged, it appears within inverted commas, although these are probably not the only cases where the find-place can only be taken on trust. When, for example, Evans assigns a piece simply to Central Crete, he is probably repeating the provenance given to him by a Candia dealer from whom he bought it, as **123** would clearly suggest. His early acquisitions, however, from his first journeys around the countryside (1894–1899), often have a find-place or place of purchase carefully noted in his diaries and notebooks. The source for these in the catalogue in Brown – Bennett, *Travels* is cited in the Bibliography of the Catalogue entry.

The lively first diary, that of 1894, contains the most detail. Extant diaries and notebooks from subsequent trips up to 1899 (i.e. until Evans began excavating at Knossos in 1900), though not always so detailed, still contain much information as to provenances and sources, sometimes supplemented in Evans's early articles. These primary documents occasionally contradict a provenance published many years later in *The Palace of Minos*. The Accessions Register sometimes

¹⁷ Christie's sale catalogue, *The Erlenmeyer Collection of Cretan Seals*, 5 June 1989. Text by J. H. Betts.

¹⁸ Respectively Dickers, SpätmykSiegel nos. 443, 447 (pl. 30:6, not 30:7), 448, 452, 455. CMS X No. 188 is not catalogued but is listed together with **507** and other rectangular blocks of Cretan provenance (*ibid.* 98 n. 638).

¹⁹ Compare the collection of R. B. Seager now in the Metropolitan Museum: see V. E. G. Kenna, CMS XII, ix-x. It is easy to see the overlap of our Map 1 with the distribution of 'Style de Malia' seals: J.-C. Poursat – E. Papatsaroucha in CMS Beih. 6, 260 f., fig. 1, to which can be added from the present volume Sykiá (for Praisos site, **44**), Tourlotí (**45**) and, allegedly, the vicinity of Herakleion (**52**). From conversation with Seager in 1922 Evans notes that CMS XII No. 84 was obtained at Polyrrhenia and 'S[eager] had got one other gem from same site. Otherwise gems as other Minoan remains almost unfindable in West. S[eager] thinks forests covered most of the country' (Evans, '1922 Crete' notebook; cf. n. 13 *supra*).

supplies a provenance, presumably from Evans's own information, perhaps from a note or label on an old mount. Kenna sometimes gives as his source one of these old labels. Regrettably, some can no longer be traced and the information can only be taken on trust. **448** is one such case. A more unfortunate case is **93**, for which Kenna (CS at no. 174) gives 'Lasithi district', not naming his source. Evans first published it in 1909 (SM I 153, 170) and, working at speed and at a decade's remove, contradicts himself somewhat as to its provenance, Central Crete or Knossos, and the date of its acquisition, 1898 or 1899. He did visit Lasithi in both those years and would most certainly have recorded and sketched what he later called 'this exquisite signet' (PM II 204), but the diary of 1898 is untraced and most of 1899 also. Perhaps he did acquire it in Lasithi and Kenna found 'Lasithi' on a label or box. In very many cases, however, no exact provenance information was to be found when the large 1938 gift and the 1941 legacy were registered; as was noted above, objects were then entered simply as from 'Crete' (or sometimes, more cautiously, '?Crete'), referring to the place of origin (though the place of acquisition or purchase may have been Athens or elsewhere). Provenances for a good many of these have now been established through the research in the Evans Archive undertaken for Brown – Bennett, Travels and the present volume.

The Catalogue includes 40 pieces from the cave at Psychró ('Dictaeon Cave'), where Evans acquired some objects in 1894 and proceeded to excavate a little in 1896. (As was noted above, some undistinguished-looking items which he ignored were registered only when the AE series was resumed at AE 1500 in 1957. Three or four others remained with Evans until 1938: **85**, **142**, **298**, probably **448**.) To the 39 catalogued as seals by Boardman in CCO the present volume adds two more, **387** and **Add. 1**, badly weathered pieces but now recognisable as not beads but glass seals, and the more interesting for being respectively purple and brown rather than the usual blue.²⁰ Boardman in CCO remarked that **85** might be one of the earliest votives in the Cave. Subsequent excavations have made it clear that **3** is an earlier object, Prepalatial and probably EM II (v. infra, Shapes), but this would put it well before other offerings. It is perhaps safest to consider it an 'antiquity' deposited when old.

The mould-formed glass seal **447** was an early purchase at Rethymnon, noted as 'blue glass' with a clear sketch of its conical back. This western provenance puts it neatly with the only other such pieces from Crete.

When describing a find-place Evans often makes a point of observing that it is at or near the site of one of the ancient cities (Lytos, Lato, Praisos and others) – naturally enough, since he knew of those places and was interested in seeing (and sometimes sketching) their ruins. The ancient names are therefore given alongside the modern ones on the map in this volume.

Where two (or more) villages bear the same name one source or another often makes it clear which is meant.²¹ The Arménoi where Evans got **225** is the southeastern village, not the Arménoi of the important cemetery south of Rethymno which has contributed richly to the volumes of CMS V. The Kaló Chorió of **125** and **461** is that by the Bay of Mirabello, described as near the

²⁰ Boardman, CCO nos. 284–322, 358, 365 (nos. 314 and 335 are not catalogued here: v. infra, p. 27). Only 18 appear in Kenna, CS: see H. Hughes-Brock in CMS Beih. 6, 121. On the Cave see P. Faure, *Fonctions des cavernes crétoises* 151–9; B. Rutkowski – K. Nowicki, *The Psychro Cave and Other Sacred Grottoes in Crete (Studies and Monographs in Mediterranean Archaeology and Civilization II/1, Warsaw 1996)* 7–19; L. V. Watrous, *The Cave Sanctuary of Zeus at Psychro, Aegaeum 15* (1996), 47–55.

²¹ Cf. I. Pini, CMS II,4, xix f. *re* Trypeté. There are probably like cases still unrecognised.

Palaia Minoa site or within two hours' ride of Kritsá.²² Karýdhi, however, is not so clear. The eastern village is in parts where Evans travelled in 1894, 1896 and 1898 and **253** is thus placed there in Brown – Bennett, *Travels* (no. 366), but Evans does not mention it. Another Karýdhi lies in the south, in the Eparchy of Hierapetra, inland from Myrtos. In 1896 and 1898 Evans visited this district too. The loose pages of seal sketches dated 1898 (no diary has been found, unfortunately) include **253**, annotated 'Karidhi', alongside seals from the Hierapetra Eparchy annotated 'Christós' (near to Karýdhi) and 'Kalamáfka' but also a large eastern batch from Palaikastro. It seems equally possible, then, that **253** came from the southern Karýdhi. There is no way of knowing, still less for **244**, which has only a bald entry in the Accessions Register. Therefore both places are indicated on the map.

Sphaka for **153** is a like case but with three places, all in the Eparchy of Siteia. One is near Tourlotí, where Evans obtained **327** (in 1896) and **45**. Another Sphaka (sometimes 'Sphakía') is in the general area of Praisos, where he travelled several times. A third (also sometimes 'Sphakía'), which has Minoan remains, is near Epano and Kato Zakros and is mentioned by Evans in his account of 1896.²³ Evans mentions **153** only in 1935 and there is no way of knowing which Sphaka it came from, or was said to come from, nor when he got it. Again, all three are shown on the map.

No. **14**, said by Kenna to come from 'Phournoi' and bearing signs in the 'Archanes Script', will not have come from the now famous Phourní at Archanes, which when the excavations began there in 1964 was simply a spot in the countryside, to be described only as a 'θέση' and a hill.²⁴ In all likelihood it came from the village of Phourné (Φουρνή) near ancient Dreros, between Elounda and Neapolis, a region which Evans knew. He passed through 'the "polje" of Fournes' in 1894 but expressly says that he 'found nought' then. Perhaps he acquired the seal later. If Kenna saw 'Fournes' on an old note or label he may have the misread 'es' as 'oi' in Evans's small handwriting and thus created a form that looked familiar to him.²⁵

The number of pieces which Evans assigns to Archanes is seven altogether. Six stones are published in PM III and IV in terms which suggest (if one puts together his accounts of **180** and **422**) that they may have been bought together in one batch: **106, 117, 128, 180, 367, 422**. The purchase was made in Athens but the stones had been collected on the spot, we are told, by a native of Archanes. The gold bull-leaper ring **336** was a separate find. The Mainland Popular stone **478**, which would have stood apart from the other pieces, was assigned to Archanes by Kenna in error; it came from near Knossos.²⁶

²² At Kaló Chorió in 1894 Evans saw three stones but does not say that he acquired them and nowhere mentions them later (Brown – Bennett, *Travels* nos. 137–139). The two he sketched are identified by Brown with **156** and **249** but the sketches, usually so clear, do not match these pieces – Evans would hardly have described and sketched the dolphins of **249** as mere slim-bodied 'fishes'. Better matches would seem to be CMS XII Nos. 198 and 204; the third stone, noted as 'flying fish...pink cornelian', might be XII No. 146. These eventually were in Seager's collection. That Seager acquired them in some later year, perhaps from the very person(s) who had shown them to Evans, would seem a simpler hypothesis than that Evans had sketched them without his usual exactitude and that they figured, much later, in the two men's exchanges (v. supra n. 13).

²³ Brown – Bennett, *Travels* 226. On Minoan finds there see N. Schlager in *Kolloquium Mannheim* 75, 77.

²⁴ G. Sakellarakis, *ADelt* 20/1, 1965, 110; idem, *Prakt* 1966, 174.

²⁵ Brown – Bennett, *Travels* 176 f. Kenna does not name his source and later forgot it: see E. Grumach, *Kadmos* 5, 1966, 113 n. 16; idem, *Kadmos* 7, 1968, 10 f.

²⁶ Thus **478** should be subtracted from Sakellarakis' lists of pieces from Archanes (*ADelt* 20/1, 1965, 110; in *Pepragmena* 4, A'2, 512 n. 3; Archanes 672n.).

Finally, there is the interesting case of **104**, the prism with Hieroglyphic signs which, as was noted above, first aroused Evans's curiosity about Crete.²⁷ Publishing it in 1894 immediately after his first trip, he gives Chester's provenance, 'Sparta'. In the reprint of the following year, however, he corrects this and explains how he knew it was wrong: he had seen an impression in the hands of a previous owner in Candia, who had told him that the stone had been obtained in Crete although he could not give its exact find-place.²⁸ That find-place, I conjecture, was around the plain and villages called Lak(k)ónia which lie slightly north of seal-rich Goulás (ancient Lato) and were indeed the find-place alleged for another Hieroglyphic prism, CMS III No. 229. The accent on the Cretan place-name falls as in the English pronunciation of the name of the Peloponnesian province, which thus could easily have been transformed by Chester into the erroneous 'Sparta'.

Nine seals and some uncatalogued objects (v. infra, Objects Not Included) are said to have come from Hagia Pelagia, mostly from a chamber tomb in a cemetery there. A tomb alleged to be that known to Evans was shown to Dr. Athanasia Kanta.²⁹

Materials and Shapes

A preliminary word: geological exactitude has been impossible to achieve, needless to say. Some of the Material entries in the Catalogue will undoubtedly prove in the future to be wrong, and others not quite rightly worded. This is particularly true of steatite, serpentine and schist.³⁰ For these stones a truly accurate identification would require not only a specialist but also special (and expensive) equipment. In some cases we were saved from error when Dr. Walter Müller was visiting Oxford and was able to see the stone. In replacing the old default identification of Late Bronze Age soft stone as 'steatite' we ourselves had at least advanced as far as 'serpentine', but we are all too well aware how far the present volume falls short of the standard Müller has set now in CMS III. In particular we have not been able to make the distinction which he describes there in detail between mica schist (*Glimmerschiefer*, μαρμαρυγιακός σχιστόλιθος) and chlorite schist (*Chloritschiefer*, χλωριτικός σχιστόλιθος). In the end it has seemed simplest to use 'schist'. Some of our 'serpentines' will turn out to be schist and some of our 'schists' serpentine, and even with real steatite we are not always on firm ground. Index II (Shapes) tries to take this uncertainty into account but does not do so consistently. Ultimately, of course, what mattered to the ancients, and would be of great interest to us, was the sources of these materials, but tracing those is a task for future scholarship.

Cornelian is used for stones of all the red, orange, brownish and pale yellow-brown-greyish shades which this variety of cryptocrystalline quartz is found in. In keeping with present CMS policy, following J. H. Betts's practice, *sard* is not used and the colouring of each stone is described.³¹

²⁷ Evans, SM I 8–10.

²⁸ Evans, JHS 14, 1894, 275, 294; cf. 1895 reprint (Primitive Pictographs and Prae-Phoenician Script) 275 (= p. 6), 294 (= p. 25), printed and bound with Evans, Hagios Onouphrios, where see p. 137.

²⁹ Evans, PM I 299; A. Kanta, The LM III Period in Crete (SIMA LVIII, 1980) 18. Cf. I. Pini, Beiträge zur minoischen Gräberkunde (1968) 110, no. 87 on map.

³⁰ See J. H. Betts, CMS X, 19 f.; G. R. Rapp, Archaeomineralogy (2002) 117–123, 252–4; above all, W. Müller, CMS III, 1 pp. 17–20.

³¹ See J. H. Betts, CMS X, 18.

The green stone stamp cylinder **1** has already been published in two Ashmolean catalogues and is included in this one too. The fact reflects its still disputed origin. Its material has parallels with Island provenances. Whether it was made in the Cyclades or to the East (in Syria or Mesopotamia?), an Aegean connexion of some sort has been reinforced by the find in 1996 of a similar but less elaborately decorated stamp cylinder in the MH settlement near Haliartos in Boeotia, CMS V Suppl. 3,2 No. 380.

The Prepalatial stone stamps **2** and **3**, hard to date when first published, and the ring-shaped **4** now fit nicely with types from stratified contexts at such sites as Lebena and Mýrtos-Fournou Korifi. The rings made of stone like **4** remain well in the minority. Evans pointed out the relation to the rings from the Messara tombs, which he took to be ivory. As Krzyszkowska's work has shown, however, that shape in fact belongs *par excellence* to bone, while the material of the finely engraved **5** and **6** and enchantingly owl-shaped **7** is ivory from hippopotamus.³² Nos. **8–11** (and **12?**) have shapes characteristic of the 'white pieces' category, but that still challenging category seems to include materials of more than one composition and needs further analyses. A thought-provoking case is provided by the prism **83**. Its shape and motifs are of Mallia Workshop type, but its material puts it somehow alongside the 'white pieces', being some clay mineral such as sepiolite (an alteration product of serpentine). These occur here and there in southern Crete and it would seem perhaps curious that they were not exploited for seals more often, except perhaps in some connexion with the probably experimental and non-standardised production of 'white pieces'.³³ The other six pieces of these kinds in the Ashmolean came in 1989 from CMS X (Nos. 9, 10, 28, 37–39).

The conical **17**, which bears an uncanny resemblance to a LM 'conulus', may have had a long and eventful history, not now recoverable. The scalloped stamp **22** (like the simple stamp **3**) has been rescued from a Geometric dating. Its alleged Attic provenance, though it seems muddled, may bear some relation to the truth. Both the shape and the Kerbschnitt decoration relate it to EBA examples from Peloponnesian sites (Lerna, Asine, Midea) as well as from the Cyclades (Kea) and Crete (Lebena).³⁴

The motifs of **25** are at home with the Mallia Workshop pieces but its rectangular plate shape is represented there by only one complete seal, and otherwise only by 11 roughouts. Perhaps, as Poursat suggests, these were made to fulfil a particular order.³⁵ Seager's Mallia provenance for **25** is probably trustworthy and thus need not complicate the problem. In the long run of three-sided steatite prisms of Mallia Workshop type (**26–90**) an exception is **83**, mentioned above, the material of which relates it in some way to central southern Crete, while its shape and motifs put it with the stone prisms from Mallia and thereabouts. The large size range of the prisms is noticeable, from the big **71** to the small **49**.

The hard-stone prisms (**91–107**) include four which appear to have been unnaturally whitened, probably by burning. **94** and **99** are described as agate because of their bands. **101** and **106** were

³² Evans, PM I 113; Krzyszkowska, AS 63–68. Cf. CMS V Suppl. 3,1 Nos. 120–132.

³³ V. *infra*, Manufacture and Technology, pp. 18 f. Cf. H. Hughes-Brock in CMS Beih. 6, 111; I. Pini, CMS V Suppl. 3,1, p. 2. For 'white pieces' see references at **8**, Comparanda.

³⁴ See Sbonias, Frühkretische Siegel 79 f. Yule (ECS 85) saw the decoration as a 'centrally radiating motif' of a kind more commonly Protopalatial and thus thought that **22** might 'possibly' be post-MM IB, but the Protopalatial motifs he had in mind (from Phaistos etc.) are not carved in the Kerbschnitt way.

³⁵ Poursat, Quartier Mu III 109.

red, cornelian (v. infra, Manufacture and Technology).³⁶ The eight-sided **102** with its long Hieroglyphic inscription remains unparalleled. As a variant of the standard prism concept its only fellow is CMS II,1 No. 391, the remarkable fourteen-faced piece, three joined cubes with handle, from Archanes.

The duck shape of **11** is seen later in **139** and **140** and doubtless like them has a link with Egypt. The motif of **16** may (for want of any better idea) reflect some Egyptian inspiration, but its material is ordinary local green steatite and its shape unique and puzzling, making it impossible to date with any confidence. It gives a certain impression of being Minoan, however, and other objects which Evans found at the same place probably were too.³⁷

Evans was interested from the beginning in the connexions between Egyptian and Minoan ornament, having in the third week of his first trip in 1894 procured in the Messara **112** and **111**, of Egyptian-like button shape with designs resembling those on XIIth Dynasty scarabs.³⁸ He gave these two to the museum between 1896 and 1908, as is clear from their AE accession numbers. **109**, **110**, **113** and **114** were acquired at unknown times and remained in his collection until 1938 and 1941, reflecting a continuing interest. Four other buttons, however, **108**, **116**, **119** and **120**, were left unregistered until the 1950s. Either Evans or others had presumably seen their motifs as not conspicuously in the same category and perhaps had wondered whether to register them as Minoan or Egyptian. **120** is truly a hard case because of its un-Minoan style (v. infra). Registered at the same time (with the preceding 1952 number) was **19**, not another button but a good Cretan conoid: its motif, however, had been noted by Evans as an imitation of a XIIth Dynasty type and one can imagine that it had been kept separately for the same reason.³⁹ The rock crystal **117** is of button shape but has an unusual S-shaped groove along the top of the handle, reflecting the same general idea as the 'convoluted' or 'foliate' backs of **145–150**. The agate **118** is catalogued by shape in the button sequence but belongs by style in the Talismanic series, a rare combination (cf. pp. 22 f. infra).

The loop signet (Petschaft) **133**, on which the central device is of the same general Egyptian-like family as the buttons **111** and **112**, is notable for its all but unique material, yellow jasper.⁴⁰ This occurs in Egypt alongside red jasper (they can be found together on a single chunk) but seems not to have been used at all there before the XVIIIth Dynasty, and then only for sculpture, of which the most impressive example is the fragmentary face of Queen Tiy, made a good time after our signet. In jewellery it does not appear until the Roman period.⁴¹ That small pieces of yellow jasper were prized and exploited by seal-makers in Crete at a time when Egyptians were not using it is but one of many demonstrations of Minoan originality and adventurousness in the use of materials, especially for Petschafts. The only parallels for **133** are the Petschaft CMS XI No. 16 and the unpublished one Herakleion Mus. Inv. No. 2571 from Ioukhtas.

³⁶ See J. H. Betts, CMS X, 17 f.

³⁷ See Brown – Bennett, Travels 230.

³⁸ Evans, JHS 14, 1894, 326–8.

³⁹ Evans, JHS 17, 1897, 343.

⁴⁰ The Catalogue uses both names for the shape, Petschaft being Matz's convenient term, made common by Yule, for a signet with circular face and a shaped stalk perforated at the top.

⁴¹ B. G. Aston – J. A. Harrell – I. Shaw in P. T. Nicholson – I. Shaw (eds.), *Ancient Egyptian Materials and Technology* (2000) 30; A. P. Kozloff – B. M. Bryan, *Egypt's Dazzling Sun: Amenhotep III and his World* (1992) 177, pl. 15. Clearly **133** was a valued piece, being of fine workmanship and found associated with the Palace at Knossos.

Three other unusual signets demonstrate this point further. Gold, normally a ring material, is used exceptionally for **137**, which moreover is of an exceptional shape (lacking a stalk, thus not a Petschaft *sensu stricto*). The gold prism CMS III,1 No. 234 is more or less its contemporary. The silver signet **126** is paralleled only by that from Mochlos, CMS II,2 No. 252. The metallic-looking OAM 1989.75 (= CMS X No. 53), enigmatic to the non-specialist's naked eye, is so far unique. The investigation by XRF, SEM and PIXE analysis (see Appendix, Analysis Results) identifies it as pyrite, an iron disulphide (FeS₂), Mohs 6-6.5, which occurs very widely and in a variety of environments. When fresh, pyrite is a brassy yellow colour as seen at the break on this signet, but weathering (surface oxidation) darkens it. Although attractive, pyrite is both brittle and unstable. It reacts readily with water, cracking and crumbling where water is absorbed (in a dry but oxidizing environment it would survive in better condition). Perhaps other examples have simply not survived. For seals it was worth a fine engraver's experiment but it is not an ideal material.⁴² This signet and the silver **126**, together with **125** and **139**, also, as it happens, stand out somewhat for bearing Hieroglyphic signs, for which prisms are naturally the most favoured shape, having room for more writing.⁴³ Evans acquired no soft-stone signets; **135** and **136** came from other sources and make the shape better represented in the collection.⁴⁴

The Egyptian scarab **142** and scaraboid **147** reflect the fashion for amethyst during the Middle Kingdom and are early among amethyst seals. There is no way of knowing how much time may have elapsed between their manufacture and their undoubtedly Minoan engraving (MM II–III) with its tubular drill work.⁴⁵ **147** has a Minoan foliate back worked with more than usual elaboration. The steatite oval **151** is altogether rather strange and looks unfinished but in fact it can be associated with the Cretan-made scarabs of a small 'distinct and unified type group' identified by J. Phillips. It has four of the six features which define this group: local steatite material, groove around the side, deep and wide cuts on the back and large crosswise perforation. It should be the seventh member (or an 'associate member') of the group, for which the two examples from excavations indicate a date of MM II–III.⁴⁶ Thus it should probably be regarded as a Minoan's rather unsatisfactory attempt at a scarab.

Two unparalleled shapes are the cornelian hand **144**, which perhaps owes some inspiration to the predominantly cornelian Egyptian hand amulets, and the spiral shell **143**, which is cunningly designed so that its apex exactly hits a brown patch in the otherwise white agate. (CMS II,1 No. 475, earlier, was perhaps inspired by a spiral shell too, but by a different kind.)⁴⁷

Three nature studies on translucent discoids (**153**, **155**, **157**) have a horizontal perforation (that of **155** and particularly **157** tending somewhat towards the diagonal), predating the stabilising of the norm for vertical perforations on lentoids. Their profile and crosswise perforation show **165**

⁴² Cf. H. Hughes-Brock in CMS Beih. 5, 112; I. Pini, *Creta Antica* 6, 2005, 65 no. 27, 78, pl. III:3–4.

⁴³ Olivier – Godart, CHIC lists only nine or ten other Hieroglyphic signets, viz. nos. 180, 181, 183, 184, 185(?), 188–191, 197.

⁴⁴ CMS XIII No. 81, once Evans's, is of hard stone like the rest in his collection. Evans's collection, as Sakellarakis and Kenna observed, 'gives, because of its excellence, a slightly misleading account of Cretan Seal use... Sir Arthur... aimed at excellence, even for artistic value' (CMS IV, vii).

⁴⁵ O. Krzyszkowska in Bradfer-Burdet et al., *Κρής Τεχνίτης* 119–129. The most striking engraved scarab is CMS V Suppl. 3,2 No. 245 from the repatriated 'Aidonia Treasure'. The amethyst scarab Kenna, CS no. 145 is entirely Egyptian (v. infra, Objects Not Included). Scarabs in Egypt were often blank.

⁴⁶ J. Phillips in Bietak – Czerny, *Scarabs* 167 f., fig. 7. The excavated examples are CMS II,2 No. 384 from Mallia, Maison Theta, and HM 3266 from Poros Herakleiou (N. Dimopoulou in CMS Beih. 6, 32 no. 6, fig. 1:6).

⁴⁷ CMS II,8, 2, No. 597; cf. I. Pini, CMS II,8,1, p. 12. See also I. Pini, CMS II,3, xxxi.

and **254** to be ringstones. Of the few sealings which appear to be made from ringstones only CMS II,8 No. 597, poorly preserved, probably bears a 'tectonic' motif like **165**.⁴⁸

If the very worn device on **210** is a Talismanic 'Sproß', the perforation is horizontal – unusual, but not unparalleled.⁴⁹ The horizontal perforation of **247** is a peculiarity of Talismanic wild goats but the goat on this stone is not executed in strict Talismanic manner.⁵⁰

The X-shaped **172** seems to have only four companions, close in size and with generally similar engravings (straight cuts, drilled circles). Xenaki - Sakellariou publishes her two Cretan soft-stone pieces as seals. That from Kakovatos Tomb B ('aus grauem Stein') had the remains of a gold covering (like **182**: v. infra) and is called by K. Müller a *Kettenglied*. It could well be a Cretan import.⁵¹ CMS XII No. 119, once Seager's, is certainly Cretan (less close in shape; its profile suggests a lentoid 'salvaged' by a change of shape after the notoriously difficult obsidian had chipped at the edge). The shape would be rather awkward to handle for impressing, one might think, but it would be awkward for beads too, unless they were strung alternately with other beads, as indeed they are on a necklace depicted on a Thera fresco.⁵² It is altogether curious that **172** so much resembles the motif of **83c**.

The cushions account not only for some of the most imaginative motifs and fine engraving but also for some noteworthy materials: the early use of agate for **178**, the soft-stone **182** with its gold covering and the bronze **185** (which moreover has an unusual motif). On **178** the agrimi's body is placed neatly in the banded part of the stone, while its magnificent long horns and the tree occupy the plainer area. Why it has two perforations is mysterious. They could of course have served, as Kenna suggests, to accommodate two strings, as though the seal were a spacer-bead, but one might then expect them to be placed more symmetrically, straddling the middle. Its interesting technological feature is mentioned below. That **185** once had a gold covering like **182** would seem possible, if slightly curious. Bronze being valuable and needed for other important things, why cover it with gold, when soft stone like that of **182**, CMS III,1 No. 100, and the X-shaped piece from Kakovatos mentioned just above would be quite adequate? The workpiece **423** may illustrate the other side of this technique, if it was for forming a gold foil covering, as Younger suggests.⁵³ Among the cushions **250** is noteworthy, though not unique, for its small size. The fragmentary **239** was larger but still rather small for a cushion.

The ribbed backs of **236** and **245** are unusual features. Several three-sided prisms are engraved on two sides (the rather oval **193** and the amygdaloid **255** and **258**), others on all three (amygdaloid **207** and **256** and the small round-faced **490**, one of the few round-faced prisms with a

⁴⁸ See I. Pini, CMS V Suppl. 3,1, p. 12.

⁴⁹ Cf. Onassoglou, DtS 224 no. 19.

⁵⁰ See I. Pini, CMS V Suppl. 3,1, p. 5.

⁵¹ CMS III,1 Nos. 29 and 30; K. Müller, AM 34, 1909, 274, 276, pl. XIII:29. From Kakovatos the CMS has only CMS I Suppl. No. 34. A small lapis lazuli ornament from Mavrospelio is X-shaped but is clearly not related to seals (Effinger, Schmuck 210, KnM 2b).

⁵² C. Televantou, AEphem 1984, 24f., no. 42, fig. 6, 37 f. Parallels are few, scattered and not close: see *ibid.* 38 n. 2, also Xenaki - Sakellariou, *Oi Θαλαμωτοί Τάφοι τῶν Μυκηνῶν* 309 type 124 (some examples cited are not beads but platelets with sewing-holes).

⁵³ On these points see J. G. Younger, BSA 79, 1974, 258–268; I. Pini, CMS II,3, xxiv f., xxxiii n. 66; Sakellarakis in Cahn – Simon, *Tainia*. There are, to be sure, some cases of fine cast glass ornaments covered with gold (e.g. from the Menidi tholos tomb), but those were in mass-produced sets in which the gold-covered pieces were probably set beside the plain blue ones to create a colour scheme.

non-figurative motif).⁵⁴ Lentoids with two engravings, an uncommon occurrence, are **361** and **454**. The two sides of **454** are very unlike. Interestingly, the engraver(s?) exploited the markedly oval shape to advantage, using the wide side for the cow and calf and the tall side for the vertical motif of the long boar's head (which thus has the perforation horizontal). Among other irregular (oval) lentoids are **294** (tall) and **316** (very tall) and the wide stones **282, 360, 389, 392, 427, 446**. Most of these have motifs which one could not call everyday scenes, but that may be coincidental. The conical back of 'Mainland Popular' stones and cast glass seals, abundant in the profile tables of the CMS Supplements, is unexceptional on the glass **447** but very useful on **506** as the one clue to the Aegean origin of an otherwise nondescript object (v. supra, p. 5). For size **317** stands out with its maximum diameter of 3.53 cm.

The shape of some seals betrays or suggests origin as beads. Cornelian amygdaloid beads like **443**, sometimes quite large, obviously gave a tempting opportunity to seal makers.⁵⁵ **273** is unique in a purely Minoan shape otherwise used exclusively (and not often) for beads. The cornelian cylinder **246** may have been a barrel bead, as the agates CMS I No. 107 and XI No. 208 almost certainly were, and perhaps also the agate amygdaloid CMS I No. 205. **320, 345** and **426** are unusually shaped, are all of agate and all have agate parallels. **320** and CMS V Suppl. 1B No. 429 were made as beads of the multitubular shape not common in the Aegean and seen there most notably in the Mesopotamian glass 'Nuzi' beads in the Shaft Graves.⁵⁶

The amygdaloids **345** and CMS I No. 238 are very long and narrow, the width less than half the length (v. infra on their motifs). The strongly curved, almost hemispherical face of **345** might suggest a bead origin for at least **345**. Again, long agate beads are at home in Mesopotamia. The shape of **426** is unique but the fashion for cutting the stone to create an 'eye' (cf. CMS I No. 239) had a long history in Mesopotamia. Agate in the Aegean may occur more as seals than as beads. Mostly the seal workshops no doubt started with raw material, but in the case of such stones as these they may well have been reworking finished products imported from somewhere like Mari. However it had arrived, the material of these three stones was handed over to no mean engravers.⁵⁷

The descriptions of the soft stones could not be geologically exact (see the beginning of this section) but attention has been paid to the colours. The colours of the two sides of the disc **162** are markedly different – the motifs too, in a puzzling way. **163** is of an unfamiliar grey soft stone, not the usual steatite but akin to it. Three stones with 'tectonic' motifs, **173–175**, otherwise unexceptional, are among the many cases where firm identification of the material is needed. A 'tectonic' motif is suggested by the surviving straight lines on two worn soft stones **483** and **505** dated by their discoid shape; **504** may be similar. Although 'Talismanic' engravings are mostly on hard stones, **210** is of soft stone and may thus match a third or so of the stones bearing Onassoglou's 'Sproß' motif (see Commentary).

The strange shape and colouring of **214** are matched by CMS XI No. 46. Its surface is polished but a small damaged area reveals the interior, which is pure white and has the slightly 'sugary' (i.e.

⁵⁴ Cf. I. Pini, CMS II,3, xxvii.

⁵⁵ That the temptation affected modern forgers too is not demonstrated by CMS IX No. 15D, about which any doubt can now be abandoned. CMS XIII No. 3D may be another such case.

⁵⁶ E. H. Cline, *Sailing the Wine-Dark Sea*, BAR-IS 591 (1994) 137.

⁵⁷ Cf. N. Dimopoulou in Laffineur – Betancourt, Τέχνη II 436. H. Hughes-Brock in CMS Beih. 5, 112 f. (where 'CMS I No. 207' wrongly for No. 107).

crystalline, granular) texture of a limestone/marble, whereas CMS XI No. 46 has a smooth conchoidal fracture. The white surface and strongly coloured black and orange-red veins and spots are more likely to be natural than caused by heating. The highly unusual material does not by itself explain the unorthodox shape of the two stones. Their engravings, quite different, are presumably more or less contemporary: Talismanic sepia on **214**, spindly creatures of puzzling species in an animal attack scene on CMS XI No. 46.

Lapis lazuli is represented certainly only by **274**, one of the 18 in Krzyszkowska's list of seals in this material. The stone is of the highest quality, pure deep blue; its source might be Sar-i-Sang (Badakhshan province, Afghanistan) or Chaghai (Baluchistan province, Pakistan).⁵⁸ **416** could be taken for lapis lazuli of inferior quality. It is a fine-grained acid-igneous rock with a light-coloured matrix and with a shiny surface which in places looks glazed.⁵⁹

Several seals are made of stones which rather resemble jasper but are not (**318**, **397**, **458**, the unusually coloured **316** and two red stones **265** and **442**). Another unidentified hard stone resembles lapis lacedaemonius (**372**).⁶⁰ On **367** the fine engraving of a cat hunting waterfowl, a scene with Nilotic overtones, appears surprisingly on a soft stone, where one might have expected jasper, as **459**.

Fluorite is represented by **332**, **473**, **493–497** and a small chip (AE 1510; see p. 27, Objects Not Included). Their cracks and breaks well illustrate the octahedral cleavage which offsets the relative ease of working (hardness is only Mohs 4). **332** and **473** are probably the earliest. The rest belong together stylistically (**494** is of a greenish variety and is in better condition). All but one (unprovenanced) come from the Psychró Cave, the kind of peaceful environment in which this rather brittle stone can best survive. None is the sort of piece Evans would otherwise have bought individually for the sake of artistic quality or interesting motif.

Glass seals begin with **251** and **262**, both engraved in Cut Style. The other three engraved pieces, **387**, **492** and **Add. 1**, should belong to the same general period, when palatial glass production was at its best. **447** represents the later, and much larger, class of cast (mould-formed) glass, a Mainland speciality.

Manufacture and Technology

Much progress has been made in recent years in understanding the manufacture of seals. This is reflected in the Bibliography of the Catalogue entries and need not be repeated here. A number of 'white pieces' and metal objects (including forgeries and replicas) have undergone various kinds of analysis; see the Appendix, Analysis Results. The 'white pieces' **8–11** have been examined several times, most recently in 2005, when G. W. Grime used PIXE (proton-induced X-ray emission) for investigation of several tiny points on the surfaces of **8–11** and the probably related **12**. The results always point to a magnesium silicate component but the search for the 'white

⁵⁸ O. H. Krzyszkowska in Mountjoy, South House 201 n. 18. Sources kindly suggested by Michèle Casanova (pers. comm.). See M. Casanova in F. Tallon (ed.), *Les pierres précieuses de l'Orient ancien des Sumériens aux Sassanides*, *Les dossiers du Musée du Louvre* (1995) 15 f.

⁵⁹ Cf. I. Pini, CMS V Suppl. 1A, xix, on other unidentified blue stones and idem in Bradfer-Burdet et. al., *Κοης Τεχνίτης* 205 n. 46.

⁶⁰ CMS V Suppl. 3,2 Nos. 33 (bull-leaper from Mallia, Quartier Nu) and 384 (from Thebes) now join the lapis lacedaemonius seals mentioned in the works cited at **298** etc.

pieces' recipe or recipes will remain frustrated as long as analysis is limited to the surfaces of unbroken objects. The very precise PIXE examination showed a marked variation in the amounts of iron and sulphur on the points examined, due either to surface contamination (in the microenvironment or by humans) or simply to the natural inhomogeneity of the distribution of impurities in steatite. The body of **12** appears to be grey steatite but its cream-coloured surface, well preserved in the hollows of the engraving, links it to the 'white pieces'. With all white 'pieces' there remains the unanswered question of an 'added surface', its nature and its relation to the body. Müller points out a somewhat similar puzzle regarding the Mallia steatite prisms (CMS III, 17 f.). The whitish-coloured soft sepiolite used for **83** would seem reminiscent of the 'white pieces' experiments, but this is intriguing, since its shape and motifs place it later, with Mallia products.

A high proportion of gold and a relatively small amount of copper were found in the signet **137** and the gold foil covering the cushion **182**. Other pieces of gold foil analysed at the same time gave similar results. The gold rings **277–281** and **336** contained an even higher proportion of gold but more copper and negligible silver.⁶¹ The composition of **364**, allegedly from Mycenae, is conspicuously different and it looks noticeably less yellow than the other rings. Technical details of the construction of the rings, and the significance of those details, are expounded in the studies cited in the Catalogue entries.

The silver signet **126** is of silver alloyed (naturally?) with some gold (ca. 2%?) and copper; hence its good condition, unusually good for silver.

Two bronze seals, **463** and **513**, have a misleading appearance, a silvery colour caused by their curiously high proportion of tin. Valuable tin was needed for weapons. Why 'waste' it on seals? The answer may lie in the chemical 'afterlife' of these seals. Copper is more active chemically than tin. It produces more corrosion products and these could easily come away from the surfaces, in the soil and/or through human handling, leaving the tin to manifest itself in a higher proportion in analyses by XRF (X-ray fluorescence) and, even more, by PIXE, non-destructive methods which touch only the outer surface.

The roughing-out of stone seals is seen in the two objects published by Evans as from the so-called 'Lapidary's Workshop', 1938.1088 and 1938.1089 (see below, p. 27, Objects Not Included). On the cushion **178** the two drill marks running along the top of the object suggest that drilling helped in the roughing-out.⁶² This particular illustration of the manufacturing process is unusual but there are numerous other instructive features on seals in the Ashmolean discussed and illustrated in Evely, *Crafts* (for which Evely based his seal research in Oxford). Poursat's subsequent publication of workshop material from the Atelier de Sceaux at Mallia (Poursat, Quartier Mu III) provides important supplement to Evely's examples.⁶³

Possible treatment of stone seals by heating or by chemical means is suggested by the colour and surface condition of a number of pieces. Four are hard-stone prisms which look unnaturally whitened, probably by burning: **94, 99, 101, 106**. The very uneven appearance of the four sides of

⁶¹ See E. Pernicka apud I. Pini, *Creta Antica* 6, 2005, 83–86. Cf. K. Lapatin, *Mysteries of the Snake Goddess: Art, Desire, and the Forging of History* (2002) 185 f., 226 n. 15. Note the very pure gold used for the forged 'Thisbe' Treasure seals and for one of the two replicas of the Ring of Minos (see Appendix, Analysis Results).

⁶² See J. G. Younger, *Expedition* 23/4, 1981, 34 f., figs. 10 f.; Younger, *Phylakopi Seals* 285, pl. 55:h-j.

⁶³ For further useful information on drills, drilling methods and abrasives see D. A. Stocks, *Experiments in Egyptian Archaeology: Stoneworking Technology in Ancient Egypt* (2003), including the interesting chapter on mass-production drilling of perforations, 203–224.

106 would suggest that the burning of that stone at least was accidental. The burnt amygdaloid 275 presents very dramatic colour effects. Heat-cracks are clear on 327 (an extreme example is the badly burnt cornelian CMS XI No. 159). The fragmentary 378 is also cracked, perhaps from the misadventures which left it broken. 129, 145, 230, 243 and 246 may have been unnaturally whitened. The surface damage to 257 may be due to acidic action of some kind. 149 has a blotchy light-coloured surface with a honey-coloured interior, like CMS XI No. 60, but this may be natural. The mottled surface of the face of 426 is curious. Microcrystalline quartzes lend themselves to colour treatment with alkali and heating, etc. Such techniques were used early in India on cornelian and also in Mesopotamia on cornelian and agate beads to whiten the surface or produce colour contrast on banded stones.⁶⁴ Similar effects, however, can apparently be produced sometimes by soil action. It is thus hard to be certain in a given case.

The six glass seals represent their material quite well. The best condition is seen in three engraved pieces: 492 is quite sturdy, 251 and 262 slightly pitted on the surface but not badly weathered, and all retain their strong blue colour. 387 and Add. 1 are much more weathered and could not be identified with certainty as seals rather than beads when first inventoried (v. supra) and published. Indeed, the motif on Add. 1 is not at all clear, but its lentoid shape is still quite clear and this is not a standard glass shape for beads. The last-named four were found at the same place, the cave at Psychró. Apart from the effects of environment and micro-environment on preservation, which may well play a part here in the different states of all five pieces, the poor state of 387 and Add. 1 may be due also to their different chemical compositions: Aegean glass is overwhelmingly blue, but 387 is distinctly purplish (as is also a bead, Boardman CCO no. 368) and Add. 1 a very rare brown, colours which can be produced respectively by manganese and iron, whether added intentionally or present as impurities.⁶⁵ All these pieces were engraved. 447 was cast. Its colour is paler and looks 'watered down'. The colorant was cobalt. The Scanning Electron Microscope revealed a quite different spectrum from the earlier, engraved seals 251 and 262. The impurities seen on the computer screen were so clear and so numerous that Dr. Andrew Shortland exclaimed spontaneously, 'It's full of junk!' This glass may well have been melted and reused, perhaps more than once. The distinction between engraved and cast (first made by Pini in 1981) and the excavated material from (above all) Medeon and Elateia date the piece not before LM/LH III, stylistically alongside the 'Mainland Popular Group'.⁶⁶ It was an early purchase at Rethymnon, noted as 'blue glass' with a clear sketch of its conical back. This western provenance matches those of the very few other mould-formed glass seals from Crete.

Several poorly preserved objects may also have been glass seals (v. infra, p. 27, Objects Not Included). These are allegedly from the Hagia Pelagia tomb (like 492). The lentoid shape of one of them suggests a seal, as in the case of Add. 1. The faceted-back amygdaloid shape of one or

⁶⁴ P. R. S. Moorey, *Ancient Mesopotamian Materials and Industries: The Archaeological Evidence* (1994) 93, 100, 171. On burnt cornelian pieces see W. Müller, CMS III, 14 f.; of eight examples in CMS III seven are Talismanic.

⁶⁵ On colorants and decolorants see A. J. Shortland, *Vitreous Materials at Amarna*, BAR - IS 827 (2000) 2, 46–52; cf. T. Rehren, *Archaeometry* 43, 2001, 483–9.

⁶⁶ H. Hughes-Brock in Jackson – Wager, *Vitreous Materials* 140. See generally I. Pini, *JbRGZM* 28, 1981, 48–81; idem in *Dakoronia*, PMK 331–7; idem, CMS V Suppl. 3,1, 23 f.; Dickers, *SpätmykSiegel* 99 f. (engraved), 77–86 (cast).

two others is known in glass.⁶⁷ One amygdaloid, AE 1237, was subjected to PIXE analysis, which revealed a significant proportion of iron, very little copper and a large amount of silicon. The surface looks encrusted and probably weathered and cannot be cleaned non-destructively by present methods. Analysis of surface points cannot add much information, but the high silicon content is compatible with a vitreous material. This would be in character for the period of the other pieces allegedly from the same tomb group (172, 255, 272, 370), when glass was still a prized novelty. There is too little copper for a blue colorant and too much iron oxide for the rare reddish-brown glass like **Add. 1** (iron oxide in a large amount would produce black), but the surface presence of both of those components may be simply irrelevant, a result of contamination. In some respects the results for this object seem to offer intriguing comparisons with those for the 'white pieces'.

Motifs, Iconography, Style

The two men facing each other on the cone **23** are the earliest depiction of humans in this collection and indeed are altogether an early example. On the soft-stone prisms of the kind made at Mallia the many human motifs, the gestures and activities and the interpretations and 'meanings' of them (subjects, *Bildthemen*) have received much attention, notably in Goodison, DWS and Wingerath, *Darstellung*; **34** provides cases in point. Other elements in these discussions include various quadrupeds and other creatures, animal heads and foreparts, hooked or rayed whirls, jars and jugs and the frequent but puzzling 'vessels on a pole'. The species of creatures depicted on the early prisms can be hard to determine, as on **71b**. Even lions are not always clear, but **81a** shows a definite mane and Yule is probably right in seeing a mane on **58a**.⁶⁸ On the disc **158** (which belongs with the prisms) the marks suggest a beetle or a spider as much as anything else. The birds include **78b**, one of the few early prisms to show a bird frontally, flying with wings spread.⁶⁹ On **84** the man and the C spirals seem not to be well paralleled. The ships have a large literature of their own for the early prisms and the later seals.⁷⁰ Only the bronze cushion **185** departs from the norms of ship iconography. Writing on the soft stones includes both 'Archaean Script' and versions of Hieroglyphic signs, e.g. on **28** and **Add. 2** (odd versions), **29** (combined with a man + jar motif typical of Mallia prisms), **30** (signs and animal heads in an unusual combination). Drill work appears now and then, as on **50**, **57**, **90**.

Hard stones begin with **91** and of course have plenty of drill work (although, interestingly, the engraver of **92** did not use a tubular drill for the eyes). **96** was placed by Yule in his Malia Workshop Subgroup, an 'offshoot' of his Malia Workshop Complex. In the view of Mallia scholars themselves, however, Yule's Subgroup, characterised by the use of hard stones and rotary tools, should not be distanced from the Workshop production, nor is it homogeneous.⁷¹ The new tools and techniques and the new hard materials, going hand in hand, were doubtless gaining ground in

⁶⁷ I. Pini, *JbRGZM* 28, 1981, 73 and nos. 11 (CMS I No. 146), 67 and particularly 68 (now CMS II,4 No. 149, cf. *ibid.* p. lxxvii).

⁶⁸ Cf. Yule, ECS 128 f.

⁶⁹ Onassoglou, *DtS* 146 n. 845 points out that CMS XIII No. 87c lacks the head and tail, but they are after all included in the idea of the motif and they may have been present on the apparently damaged area.

⁷⁰ HM 2646 can now be added (Poursat, *Quartier Mu III* 104, pl. 59). The meaning of the ship subject (and of the chariot, as on **285**), often interpreted as connected with the afterlife, figures in certain works cited in the Catalogue entries; see also C. Sourvinou-Inwood, 'Reading' Greek Death (1995) 41–49.

⁷¹ See J.-C. Poursat – E. Papatsaroucha in CMS *Beih.* 6, 264 f.

various workshops at various locations, and **96** can be seen as arising from this process, part of the developing 'technical revolution' of MM II–III (bow-driven wheels and drills, including the new tubular drill, and angled placing of the stone during work).⁷²

Delight in playing with the tubular drill is seen to an almost spectacular degree on **97a**, where the 'ridiculously attenuated antlers are produced from a brilliantly precocious riot of semi-circles cut by applying the seal at an angle to the tubular drill'.⁷³ It was these antlers which misled Evans to give the piece 'a date approaching 700', because he compared them to the antlers on a bronze patera from the Idaean Cave.⁷⁴ Not recognised as one of the early 'galopetras' he was in search of, this fine seal was ignored in Evans's diary. On **98** a less skillful engraver uses a number of drills for various purposes, including the modelling of animal torsos, but leaves his work showing. The engraver of **99** shows off his set of drills by creating different motifs on the three sides of the prism. (The state of the drill-head used on side a is plain to see in impression.) Drill and wheel work produce abstract ornament on **106**, but here the arcs and straight lines are used rather in the 'Talismanic' manner; on the fourth side they contribute instead to a lion who points to Cut Style work. The change to curved faces which eventually develops in the 'technical revolution' is strikingly illustrated in the almost hemispherical face of the rock crystal signet **134** and its close parallel from Mallia. These two have straightforwardly 'tectonic' motifs, while CMS XIII No. 73 moves forward, overlapping with Onassoglou's Talismanic 'Sproß' motif.⁷⁵ Otherwise the 'tectonic' motifs on hard stones are mostly (but not all) on discoids but **175** verges on the lentoid. The 'tectonic' motifs (**164–176**) include some exceptionally finely executed examples (executed perhaps with files as well as with wheels⁷⁶), but the soft-stone cushion **176** is less fine, and the similar stone **186** looks very much like a 'poor man's tectonic'. The motif of the jasper discoid **159** belongs with the centrally radiating, star-like patterns common on the Phaistos sealings and aptly shows why Boardman named this style 'Hoop and Line'.⁷⁷

The Egyptian connexions of the buttons, noted above, are closest in **111** and **112**. On others the tubular drill work, 'tectonic'-like motif or (especially on **113**) the resemblance to pottery decoration are clearly Cretan, as are the convex faces of **115**, **118**, **119**. Whether **120** is Minoan is a question. Its stiff and ungracefully positioned animal looks most un-Minoan but has not convinced an Egyptologist either. The grooves outlining the handle are reminiscent, perhaps, of the grooves outlining the faces of Minoan prisms but one cannot say more than that. We have included it, but without great conviction.⁷⁸

⁷² See W. Müller's experimental reconstruction (in CMS Beih. 6, 195–202) and Krzyszkowska's succinct account (AS 83–85, 92).

⁷³ J. H. Betts (supra n. 17) 31.

⁷⁴ Evans, Hagios Onouphrios 137. It occurred to me that the signet **131** might also reflect enthusiasm for the tubular drill: if the S formed by two arcs is a curly version of the Z-like sign Olivier – Godart, CHIC sign no. 061, we might have cat + X's + Z, a combination like that on Olivier – Godart, CHIC no. 196 (= **145**). Dr. J.-P. Olivier kindly considered this notion but was sceptical: seated cat, cat's head and S are regarded as ornament, not signs (pers. comm.; Olivier – Godart, CHIC 14 n. 37). Cf. Olivier – Godart, CHIC nos. 247, 257 (= **93**), 283 (= **100**), 293, 295, 309 (**131** is consequently not in CHIC). Why is the cat in particular chosen for ornament alongside signs?

⁷⁵ See Onassoglou, DtS 39 f.

⁷⁶ See Boardman, GGFR 43, 381; P. Yule – K. Schürmann in CMS Beih. 1, 274–6.

⁷⁷ Boardman, GGFR 32.

⁷⁸ J. Phillips pers. comm. It does not appear in her *Aegyptiaca* catalogue. One might compare the stiff quadruped on a button dated VIIth–VIIIth Dynasty: A. B. Wiese, *Die Anfänge der ägyptischen Stempelsiegel-Amulette: Eine typologische und religionsgeschichtliche Untersuchung zu den 'Knopfsiegeln' und verwandten Objekten der 6. bis frühen 12. Dynastie*, *Orbis Biblicus et Orientalis* 12 (1996) pls. 27, 82, no. 563.

Goats on hard-stone prisms and on discoids **98a**, **100d**, **152**, **153b** and **154** all appear in left profile reclining on neatly folded legs, facing forward. The stag with head turned back on **98b** belongs with them. Examples elsewhere include CMS II,3 No. 349 and XIII No. 19.

Outside the range of unexceptional birds **140** may conceivably have been a botched attempt at a bird with wings spread but looks more like a messily executed Talismanic ship. The bird on the little fist **144** is unusual, but its attitude and the drill-made fillers give it some similarity to CMS XI No. 12. The bird on **155** is rather curious (perhaps owing something to Nilotic scenes?), but then originality is a feature of every one of the naturalistic creatures and landscapes on the discoids, **152–157**. The bird pair on **248** is also original, both in the depiction of the birds and in the unusual (and quite successful) composition. On **162b** Kenna was probably over-imaginative in seeing a bird at all, even a non-Minoan one. The birds in various attitudes on **251**, **269(?)** and **271–275**, which have both Talismanic and Cut Style features, are in Pini's view better classed with the latter, since they lack the characteristic Talismanic drill work and fillers.⁷⁹ J.-P. Ruuskanen's attempts to identify the species depicted on 32 seals are cited in the Catalogue entries.

The Talismanic and related pieces (some six dozen, starting at **187**; also **118**) include one composed diagonally (**217**), two with the rather uncommon spider motif (**226**, **227**), four with indecipherable motifs of Onassoglou's 'Isoliet' class (**235**, **239**, **256**, **260**), 20% of the published stones with her 'Papyrus' motif (**211–213**⁸⁰), a cylinder (reworked bead?) with animal heads placed both horizontally and vertically (**246**) and one of only four hard-stone buttons (**118**). The horizontal perforation of **247** is typical for Talismanic goats but the engraving is not. **205** and **229** may have been found outside Crete and their motifs are a little 'non-standard'.⁸¹

On the oval ringstone **254** the composition with seaweed around the edge is somewhat reminiscent of the plants surrounding the goat on the oval bezel of the metal ring CMS XI No. 189. Peculiarities on **225**, **257b** and **259** suggest attempts to cover up mistakes. **253**, **257**, **258**, **276** and **486** share some features with Talismanic work in the execution and the choice of subjects.

Boardman's Cut Style is seen on **251**, **262–275** (and **387?**), sometimes in extreme versions (**263**, **268**; **263** is, unusually, of soft stone). The bull on **264** is not a 'mainstream' member of this group. The waterbird and griffin on **269** are a (so far) unique combination. Odd elements on **270** may be due to defects. Birds have been discussed above. The rare glass and lapis lazuli of **251**, **262** (and **387?**) and **274** reflect on the status of the workshops producing this style.

The pieces with certain or probable religious motifs and subjects (including the once doubted Πότνια Θηρῶν **314** and **315**), have naturally attracted much attention to questions of style and date as well as iconography. The iconography of **314** is certainly a departure from other treatments of the subject, if not a downright misunderstanding of it, since the forearms turn inwards as though touching the breasts rather than outwards supporting the 'snake-frame'. The iconography and

⁷⁹ I. Pini in Mattern, *Munus*, esp. 211–5; cf. I. Pini, CMS V Suppl. 1B xxxiii–iv; idem, CMS III, 7. The Cut Style bird and speared goat Brown–Bennett, *Travels* no. 187 (= Boardman, GGFR fig. 115) are taken by Pini (in Mattern, *Munus* 211 n. 12) to be on the same stone as no. 186, the preceding sketch, which looks 'tectonic' and is annotated 'rough'. From this Pini infers that no. 187 must be early Cut Style, not after LM I. The sketches, however, which are careful on the diary page, must be from two different stones, no. 187 being larger and not looking rough. The further evidence for this was not known to Pini at the time, viz. that hastier sketches made later show only the bird and goat with the prism shape of no. 187 (Brown – Bennett, *Travels* 399) and that the Ashmolean has old casts of only these two sides, labelled 'Chersonesos'. Unfortunately neither stone could be traced.

⁸⁰ Onassoglou, *DtS* 229–231 (12 stones, sealings from two others) plus CMS V Suppl. 1A Nos. 116, 193, 194.

⁸¹ Cf. I. Pini, CMS V Suppl. 1B xxxiii.

style of the gold rings **277–281**, **336** and **364** have been treated abundantly in the literature and **278–280** and **336** cleared of previous suspicions. **279** and **336** show that gold ring production was sometimes entrusted to inferior craftsmen (like the Aidonia ring CMS V Suppl. 1B No. 115, a more extreme illustration!). The ‘Ring of Nestor’ **277** has not been unanimously accepted. The most detailed arguments against it, put forward by its chief opponent, the late Agne Xenaki-Sakellariou, appeared unfortunately in an article not widely accessible but they are usefully summarised in a rejoinder by Pini (see Catalogue entry, Commentary). **364** stands apart, with its different alloy and Mycenae provenance, but wherever it was made, the lions flanking a column and the ‘sacral knots’ in the field are of course ultimately Minoan subjects and the antithetic composition had been long at home in Crete (cf. e.g. **157**).

Iconographical problems concerning **282–284** have now been largely resolved with the help of subsequent finds and studies, although **282** is certainly unconventional, in technique and style as well as iconography. The small rectangular structure resembles that from which a tree often springs, as on another crudely worked green steatite lentoid, CMS XII No. 264, but on **282** we see a double axe.

The ‘bird-lady’ motif (**294–297**) has received careful study by Pini.⁸² The half-human Mischwesen on **298–303** are notable for their variety of style, ‘species’ and fillers. Only **298** (a Mainland product?) and **299** are straightforward Minotaurs. **301** has two bull foreparts, thus requiring a different compositional scheme, antithetical rather than circular. The circular scheme of **302** neatly accommodates two creatures, the second being half-lion. **300** is half-goat. **303** is a mess: perhaps a Minotaur was planned but the motif not correctly planned in the space, and the other elements, whatever they are, put in to fill excessive empty space and make the best of a bad job. The fillers on **298** and **299** – figure-of-eight shield, impaled triangle, ‘star’ – are known fillers for Minotaurs (and bulls).⁸³ The fillers with the two-headed Minotaur on **301** are rendered rather unusually and resemble the fillers with bulls on CMS V Suppl. 3 No. 217: they must be plants (as with the Minotaur on e.g. CMS IX No. 127) and a rather strangely rendered figure-of-eight shield, two blobs joined by a long double line, worked to match the equally peculiar frontal bull heads. The goat-man on **300** has the usual, by now ancient, goat accompaniment of a branch or tree, but the goat-man can share features with the Minotaur: figure-of-eight shield (e.g. CMS V Suppl. 3 No. 113), both figure-of-eight shield and ‘star’ (CMS IX No. 128), two foreparts (as on CMS II,8 No. 202, a more lively and interesting composition than **301**).

The scenes of bull-leaping involving hounds (**340**, **341**) are somewhat curious in their apparent combination of bull-leaping attitude with a hunting subject (possibly, of course, relating to the preliminary capture of the bull before the bull game; cf. the netted bull, **408**). Both are on lentoids of lapis lacedaemonius but perhaps engraved in Crete. The subject of an armed man hurling himself at a huge agrimi has good parallels for the lentoid **344** but on **345** is adapted to suit the abnormally long shape (v. supra p. 17). On a similar very long agate CMS I No. 238 the long space is quite filled, three animals being given generous room and not crowded together as they must be on a lentoid; on **345**, however, the motif, even as a specially recomposed version, leaves blank

⁸² I. Pini, CMS II,4, xlii–xlv.

⁸³ The ‘star’ is likened to the rosette on bull’s-head rhyta by N. Dimopoulou in publishing a stone where the motif appears above the frontal head of a bull in the presence of a male worshipper (HM 3661; see N. Dimopoulou in CMS Beih. 6, 34 no. 15, fig. 2).

space at the ends.⁸⁴ **343** is the original of the terracotta impression in Munich CMS XI No. 166, a poor impression (and perforated differently). Its other peculiarity is that the two animals are not engaged with each other either in an activity or in the composition.⁸⁵

Two motifs of a single animal plus plant/branch/tree stand out because the animal is not the usual goat and because **361**, with a lion, is engraved on both sides and **362** has one of the relatively few depictions of the 'Minoan dragon'. Various creatures have been treated in Pini's detailed discussion in 1985 of motifs, style, composition and date principally of soft-stone pieces: cattle, goats, lions, deer, waterfowl, humans, bird-ladies and griffins (CMS II,4, xl-lviii; see Catalogue entries, **287–461** passim). Further material can be added, especially from CMS II,8. As regards composition **369**, **372** and **378** are interesting. On **371**, **372**, **381**, **399** the hunting animal (lion or hound) holds its prey aloft as on e.g. CMS IV No. 285, V No. 428, XI No. 296, with details varying in the treatments of the subject.⁸⁶ The attack scenes on **395** and **402** have puzzling additions to the subject, that on **395** somewhat resembling a Linear B sign. The rendering of the calf's eye in the very naturalistic study on **404** is somewhat like that on **421**, where the unusual motif of the calf's head is accompanied by three unexplained blobs and what appear to be traces of a sketch for the layout of a composition; the attachment of the ear and some small marks around the muzzle are curious too and contribute to an impression that the motif we see now was perhaps not that originally intended.

435 and **436** offer intriguing snapshots of the problems and shortcomings of engravers. The close relationship of **435** to CMS II,3 No. 55 remains curious.⁸⁷ On **436** the beast's hindquarter and legs are carefully and competently rendered but other aspects of the work are far inferior, with the forelegs badly placed and several strange features. The various aspects of seals with waterfowl motif (**457–461**) and the scenes with hunting cats **367**, **368**) have been treated by Pini.⁸⁸

The bronze ring **472**, probably once gilded, is unusual for its variously interpreted motifs of 'sacral ivy' and papyrus or lily, motifs used more often on pottery, frescos and relief-beads and probably bearing some degree of symbolic meaning. On seals 'sacral ivy' appears mostly as Onassoglou's Talismanic 'Herzform'. CMS II,3 No. 183 (four arranged as a pattern) and II,8 No. 139 (fragmentary) are among its rare occurrences otherwise. In nature it must go back to the cordiform leaf of a real plant, possibly one valued for medical reasons by women in Egypt (e.g. birthwort, *Aristolochia clematitis* L.) and adopted as an Egyptian motif in Crete.⁸⁹ The element above the 'ivy leaf' on **472** has been interpreted as either papyrus or lily, its top resembling the fan-like top of the conventional stylised papyrus but also looking like upright lily stamens, the spirals looking like conventional down-curved lily petals but the swelling midribbed element more like papyrus.⁹⁰ Neither plant is used often on seals as a free-standing motif. They usually occur as growing plants in the background of a scene (the fresco-like papyrus clump standing alone on the

⁸⁴ Cf. CMS II,3 No. 14 and Pini's remark p. xlix.

⁸⁵ V. supra, p. 7. I. Pini, CMS XI, xxvi.

⁸⁶ See further I. Pini in Darcque – Poursat, L'Iconographie minoenne 153–166.

⁸⁷ See Pini's detailed discussion CMS II,4, l–li, published in 1985. He is now sure it is genuine.

⁸⁸ CMS II,4, xlv–vi. See CMS II,8 for further examples.

⁸⁹ Onassoglou, DtS 44–48; H. Hughes-Brock, OxfJA 18, 1999, 288. B. Otto's study of the symbolic value of 'ivy' does not mention the Talismanic 'Herzform' (B. Otto in AttiCongMic II, ii, 815–831).

⁹⁰ CMS II,8,1 No. 137 has a papyrus head springing from the heart-shaped element. A similar scheme on CMS II,7 No. 104 has the head filled in the other direction like a conventional 'flower' on pottery.

silver ring bezel CMS V Suppl. 1A No. 46 is an exception). On **359** papyrus plants accompany the waterbirds. On the fragmentary CMS II,6 No. 34 they should indicate the marshy environment of the ‘Minoan dragons’; one can speculate that there was a wavy ‘water’ groundline on that stone, as with the dragons on **362** and CMS V Suppl. 1B No. 76 as well as on CMS II,6 No. 62 (where the background plants are not clearly papyrus but they could be; the ‘dragon’ on **277**, however, must be on dry ground). On CMS V Suppl. 3,2 No. 480 the plants grow in the field of an equally imaginary scene, a fight of lion and griffin (but griffins more often are associated with palms). Both papyrus and lilies appear with women in cult scenes, either growing in the field or held by women or both.⁹¹ In these examples the plants are either entire or cut with some stalk. Abbreviated, stemless versions of ‘ivy’, papyrus and lily are used for relief-beads and are among the commonest forms in that repertoire.⁹² Like ‘ivy’, papyrus has a Talismanic version (which uses the head with a short stalk, the stalk, like the ‘eyes’, probably going back to the palm tree). The lily flower, however, is not chosen for the Talismanic repertoire. On earlier seals it does seem to have a place, in the fleur-de-lys device which appears alongside Hieroglyphic signs, but is not treated as a sign in Olivier – Godart, CHIC.⁹³ One may reason that this indeed represents a lily, since it sometimes appears joined to S-curves (CMS II,2 No. 316a; II,6 No. 186; II,8 No. 83; CMS IX No. 29) in much the same way as are the two detailed lily flowers on CMS V Suppl. 3,1 No. 41, which are unmistakable. Why the Talismanic engravers chose ‘sacral ivy’ and papyrus but not the lily flower, and why these two motifs were chosen for a metal ring (not worked in Talismanic mode, of course) must reflect something about Minoan attitudes, but what? In relief-bead form on necklaces and headbands they quite probably served not as mere ornament but as insignia of some kind. Was our ring therefore made for a particular individual entitled to wear these motifs?

The frankly incomprehensible engravings on **479**, **481** and **508** are tantalising, because they seem to be attempts at real engraving, not mere ‘doodles’. The sorry scratchings on **476**, **502**, **503**, **510–512**, whether or not reworkings, have no such aspirations.

Objects not included in the Catalogue

These are listed below in three sections.

I. Unfinished seals, probable or possible, and objects of seal shape and material but either left unengraved or now impossible to see clearly because of their poor condition.

AE 312g Chalcedony cushion, shaped and perforated but not engraved. Allegedly from a chamber tomb by Kará (now Kareas) on the western foothills of Hymettus investigated by A. Rhusopoulos. Entered the museum in 1893. J. H. Crouwel, BABesch 48, 1973, 98, fig. 8:2; Y.

⁹¹ E.g. CMS I No. 279; CMS II,3 No. 51; CMS V Suppl. 1B No. 113; CMS V Suppl. 3,2 No. 243; CMS XI No. 20a. Cf. Onassoglou, DtS 55 f. The silver ring bezel from the H. Charalambos Cave with free-standing papyrus clump, CMS I Suppl. 1A No. 46, will date nearer the time when papyrus, as plant or motif, arrived in Crete, the main deposition having ended at MM IIB (P. P. Betancourt in Laffineur – Greco, Emporia II 451; Krzyszkowska, AS 126 n. 27). The plants where acrobats perform on **184** are not unmistakably lilies.

⁹² Effinger, Schmuck 31–35.

⁹³ E.g. **145**, CMS II,2 Nos. 256a, 316a; II,8 Nos. 62, 74, 90; also **94a**, where, interestingly, it is joined to a cordiform ‘ivy’-like element. More comparanda at CMS V Suppl. 3,1 No. 41. Cf. CMS II,2 No. 153, a four-sided Mallia prism. Cf. H. Hughes-Brock in CMS Beih. 6, 110 f.

Galanakis in Kurtz et. al., *Essays for Hatzivassilou*; H. Hughes-Brock in Jackson – Wager, *Vitreous Materials* 138. Probably intended for engraving because the shape and material are typical of seals, not of beads.

AE 714 Cornelian lentoid, well shaped but not engraved, probably because the ends of the perforation barely meet. From the Psychró Cave. Boardman, CCO 73 no. 335, fig. 32.

AE 1510 Fluorite, a small chip with no motif discernible. From the Psychró Cave. Boardman, CCO 71 no. 314, pl. XXIV (wrongly captioned '315').

1938.1088 and 1089. Lentoid rough-outs from the so-called 'Lapidary's Workshop' at Knossos. Evans, PM IV 595, fig. 589; Kenna, CS 77, fig. 168; I. A. Sakellarakis, AE 1972, 238 f., pl. 89 γ ; J. G. Younger, BSA 74, 1979, 261 f., pl. 33; idem, Expedition 23/4, 1981, 33 f., figs. 12–13. See 423.

Possible seals in a group of seals and beads allegedly from a chamber tomb at H. Pelagia (as 172, 255, 272, 370, 492; v. supra, pp. 20 f., and Appendix, Analysis Results. AE 1237: an amygdaloid with concave-faceted back, vitreous material (?), weathered and apparently encrusted, impossible to clean; traces of a quadruped???. AE 1239: another amygdaloid (larger than AE 1237; same material?) and a pitted and iridescent glass lentoid, both ruinous. AE 1238: lentoid, light orange-brown stone with dark brown patch, diam. 1.05, unengraved; unfinished seal.

II. Objects catalogued in Kenna, CS under the following numbers.

15 (1938.779) 7th century. See J. Boardman – M.-L. Vollenweider, *Catalogue of the Engraved Gems and Finger Rings in the Ashmolean Museum, I: Greek and Etruscan* (1978) 4 f., nos. 16–17, pls. III f.; I. Pini, CMS V Suppl. 3,2, pp. 20 no. C15, 23 (erroneously 'C18').

63 (1941.1129) Egyptian? Somewhat reminiscent of Egyptian squatting monkey motif? Boardman, IG 143 n. 1 ('almost impossible to date'); I. Pini in CMS Beih. 1, 157 n. 107; Evely, *Crafts* 154.

114 (1938.949) For good arguments against it see P. Yule, AA 1977, 141–9.

116 (1889.600) Probably Near Eastern. Urartian?? 1st millennium? Bought by Chester in Beirut. I. Pini in *Pepragmena* 3, 225 n. 9; idem, CMS II,3 xxv; idem in CMS Beih. 1, 157 n. 107; idem, CMS V Suppl. 3,2, pp. 20 no. C14, 22 f. (erroneously 'C17'); idem, *Creta Antica* 6, 2005, 74, 81 no. A4, pl. VII: 12–13.

124 (1938.1102) Egyptian trussed duck or goose amulet. Evans in G. F. Hill (ed.), *Corolla Numismatica: Essays in Honour of Barclay V. Head* (1906) 352 no. 31 ('from Palaikastro'); Phillips, *Aegyptiaca* no. 437.

130 (1941.213) Egyptian? Included in a string of beads of which some certainly look Egyptian. Boardman, GGFR 390 = 408. I. Pini in CMS Beih. 1, 157 n. 107.

134 (1933.415) Egyptian baboon amulet, probably 1st millennium (J. Phillips, pers. comm.). I. Pini in *Pepragmena* 3, 225 n. 9; CMS III,1 at No. 19. Bequest of the Oxford Assyriologist A. H. Sayce.

145 (1931.475) Egyptian amethyst scarab inscribed with the known personal name 'Imn-m- $\dot{\text{i}}$ pt; late New Kingdom or Third Intermediate Period, probably XXIInd Dynasty (R. Giveon, J. Phillips, pers. comm.). Given by Evans in 1931 together with two Egyptian scarabs. 'Said to have been found in Crete' (Acc. Reg.).

298 = CMS II,3 No. 344.

7P = CMS II,3 No. 40.

49P (1889.302) Island stone with motif suggesting Minoan inspiration. From Chester, 1889, with prov. 'Melos', which may be correct. Boardman, IG 20, 70 f., no. 300; J. Boardman – M.-L. Vollenweider, *Catalogue of the Engraved Gems and Finger Rings in the Ashmolean Museum, I: Greek and Etruscan* (1978) 8 no. 43, pl. VIII.

III. Objects not catalogued in Kenna, CS ranging from genuine but irrelevant objects to obvious fakes. Many appear in Kenna's list of *Gemmae Dubitandae*, CS 154, together with his reasons for doubting them. The most noteworthy is the well-known 'ivory half-cylinder' supposedly from the Knossos excavations with scenes of 'betrothal' etc. (1938.790); it bears some suspicious resemblances to details on **178**.

AE 1803 GD list, Kenna, CS 154. White stone with light green veins; bull games. Same forger as 1941.154 *infra*?

AE 1813 Black stone with 'signs'. Bought by Evans in Athens. Evans, PM I 639 f., fig. 475; J. H. Betts – J. T. Hooker, *SMEA* 17, 1976, 11–13 (where other references).

1910.196 GD list, Kenna, CS 154. Gold ring; duelling warriors. From 'Boeotia', given by R. C. Bosanquet. Evans, *JHS* 32, 1912, 290; *idem*, *JHS* 45, 1925, 26, fig. 30; Biesantz, *KMS* 108 f. (same style as *Thisbe Treasure* but sold independently).

1938.758 Boardman, IG 131: either later or not ancient. Cream and grey steatite, flat-faced oval, both sides engraved; three men in a boat, linear devices.

1938.790 GD list, Kenna, CS 154. Bone D-plaque; man, woman in flounced skirt, hounds, jars, archer hunting. H. Hughes-Brock in *CMS Beih.* 3, 84; Krzyszkowska *ibid.* 118. The abundant literature on this object is on record in the CMS Archive. It continues to be used in discussions of iconographic elements but not by authors well acquainted with it. Krzyszkowska, *AS* 331 f., no. 620.

1938.1033 Badly shaped shiny black stone; cow and calf.

1938.1034 GD list, Kenna, CS 154. Agate lentoid; cow and calf, odd stiff engraving.

1938. 1113–1125 GD list, Kenna, CS 154. 'Thisbe' Treasure of gold bead-seals, rings etc. allegedly from *Thisbe* in Boeotia: Evans, *JHS* 45, 1925, 1–42; K. Lapatin (*supra* n. 61), 157 f., fig. 7.3; Krzyszkowska, *AS* 332. Literature on record in the CMS Archive. See Appendix, Analysis Results.

1938.1155 GD list, Kenna, CS 154. White opaque lentoid; man attacking a griffin.

1938.1156 Black steatite conulus; lion and goat. Close to Betts's Sangiorgi group of fakes; cf. J. H. Betts in *CMS Beih.* 1, 17–35.

1941.111 GD list, Kenna, CS 154. White stone, face flat, upper side convex; agrimi. Brown – Bennett, *Travels* 117 no. 108: acquired by Evans at Epano Zakros in 1894. Seal-hunters were already active, as Myres had found in 1993 (*ibid.* 141 n. 140), and were doubtless encouraging forgers, who had been active since at least 1880 (*ibid.* 297). This piece had got to Zakros in time for Evans's visit – perhaps not by accident!

1941.114 GD list, Kenna, CS 154. Cornelian; hind kneeling. Archaic, in a small 6th-century group defined by Pini. See I. Pini, *MarbWPr* 1975, 1–10; *idem*, *CMS XI* xxii n. 35; *idem*, *CMS V Suppl.* 1B xxxiii.

1941.132 GD list, Kenna, CS 154. Bought in Candia by Seager, says Evans's note on the mount (*v. supra*, p. 7). Black and orange stamp: woman, altar, horns of consecration, bucranium.

1941.154 GD list, Kenna, CS 154. Agate lentoid; two bulls. Perf. badly misshapen. Same forger as AE 1803 supra?

1941.1244 GD list, Kenna, CS 154. Brown – Bennett, *Travels* 468 no. 363: noted by Evans 'haematite, Goulas' 1898. Cube, perhaps strung with other objects. Iron Age?

1941.1245 GD list, Kenna, CS 154. Hard red stone three-sided prism; inept attempt at Mallia Workshop style.

1952.107 GD list, Kenna, CS 154. Ex Coll. A. B. Cook. A. B. Cook, *Zeus III* (1940) 845, fig. 659; Sotheby's sale catalogue 15 January 1952, p. 4 no. 13; C. Hopkins, *Berytus* 14, 1961, 32. Not Minoan.

1968.1836–1842, 1844 and 1970.586–587. White-coloured materials, various shapes, geometric motifs. Boardman, *GGFR* 387 = 405; H. Hughes-Brock in *CMS Beih.* 3, 79–89 *passim*, fig. 1; Krzyszkowska, *AS* 331 f.

1968.1843 Burnished clay stamp, unperforated; quartered circle with dots. H. Hughes-Brock in *CMS Beih.* 3 85 f., fig. 1. Almost certainly ancient, but from where? Southeastern Europe? Italy?

Unregistered Evans gift. Green stone, eight sides, each with one device (man, bird, fish, spider etc.). 'From the booklender's property, Knôsos', bought by Evans 1896. Brown – Bennett, *Travels*, 250 f., 460 f., no. 323. Some inspiration from an old piece such as *CMS IX* No. 17?

Unregistered 1970. Given by H. Cahn. Agate, shape resembling cushion with contoured back; boar with plant or branch. Some inspiration from *CMS V* No. 314?

APPENDIX. ANALYSIS RESULTS

I. Gold. X-ray Fluorescence Analysis (XRF)

	Au %,	Ag %,	Cu %,	Pb
137	88.4	11.5	0.1	nd
182	90.2	8.1	1.6	nd
277	97.0	n	3.0	
278	96.0	n	4.0	
279	97.0	2.0	1.0	
280	92.0	n	8.0	
281	93.0	n	7.0	
336	97.0	n	2.5	
364	66.0	30.0	4.0	

1938.1110 'Ring of Minos', two replicas

The larger, better replica, stamped '850': Au 27.33%, Ag 69.96%, Cu 2.71%, Pb 0.30%

The smaller, yellower, less detailed replica, stamped '585': Au 99.01%, Ag 0.35%, Cu 0.64%, Pb 0.96%.

'Thisbe' Treasure

Four beads and four pieces of gold foil, ancient. One bead was 86.2% Au, 8.6% Ag, 5.1% Cu. The other seven items were in a range 66.2–74% Au, 23.2–29.1% Ag, 3.7–4.6% Cu.

Five forged seals virtually 100% Au. Selected from among 1938.1113–1938.1125.

II. Bronze. X-ray Fluorescence Analysis (XRF). Cf. VI.

	Fe%	Co%	Ni%	Cu%	Zn%	As%	Au%	Pb%	Bi%	Ag%	Sn%	Sb%
463	0.5	n.n.	0.5	83.0	n.n.	0.5	n.n.	n.n.	0.0	?1.0	14.0	n.n.
513	0.5	n.n.	n.n.	86.0	n.n.	1.0	n.n.	0.5	n.n.	n.n.	12.0	n.n.

III. 'White pieces'. Scanning Electron Microscopy and Electron-Probe Microanalysis. Magnification up to 400×. Surface penetration up to 5 μm. Cf. VI.

8 similar to 11.

11 Both front and back showed major quantities of Si and Mg. The back also showed relatively high levels of Al. Minor quantities of K, Ca, Fe and S were found. The S could result from finger grease and is not thought to be significant. Where an apparently 'vitreous' layer was observed, the analysis revealed the presence of an organic material in the form of a characteristic background on the spectrum. Further visual examination suggested that this was probably varnish which was flaking off in some areas.

The presence of Mg at relatively high levels suggests that both seals are made of soapstone. They are both certainly magnesium silicates and could be talc or sepiolite. A full analysis would have to be destructive, using a technique such as X-ray Diffraction. (Adapted from J. Henderson apud H. Hughes-Brock in CMS Beih. 3, 87f.)

9, 10. A very soft stone, probably steatite, containing significant Ca, therefore perhaps talc and calcite mixed.

IV. Glass. Scanning Electron Microscopy. Cf. VI.

447 Many impurities. Cobalt revealed by filter.

V. Pyrite. X-ray Fluorescence Analysis and Scanning Electron Microscopy. Cf. VI.

1989.75 (CMS X No. 53) Pyrite with miscellaneous iron oxides and hydroxides on the surface and a very small amount of Ca.

Acknowledgements

8, 11: J. Henderson, 1986

9, 10: C. Fogg, 1986 (Department of Earth Sciences)

137, 182; ancient 'Thisbe' beads and foil: Z. Stós, 1978

277-281, 336, 364; forged 'Thisbe' 'bead-seals' and rings: R. M. Hedges, 1975

447: A.J. Shortland

463, 513: Z. Stós-Gale

1989.75 (CMS X No. 53): Z. Stós-Gale 1990 (XRF), M.T. Price, 1993 (SEM)

1938.1110 (replicas): B. Gilmour, 2001

The work was carried out at the Research Laboratory for Archaeology and the History of Art, Oxford University, except where specified otherwise.

VI. 'White pieces', bronze, ?vitreous material, pyrite. Proton Induced X-ray Emission (PIXE). Cf. II-V.

Objects analysed: 8, 9, 10, 11, 12, 463, 513, also 1989.75 (= CMS X No. 53) and AE 1237 (see Introduction, pp. 19, 21, 27).

The technique used for analysis was Proton Induced X-ray Emission (PIXE) using a focused microbeam in air. In this technique a beam of high energy protons is issued to stimulate the atoms of the sample to emit photons of X-ray radiation which are detectable in a suitable detector. The energy of the X-rays identifies the atoms and the quantity of X-rays at each energy can be used to determine the amount of each element present. PIXE is sensitive (parts per million under favourable conditions) and rapid (all elements are detected simultaneously). By extracting the proton

beam into air, PIXE analysis can be carried out on samples which cannot be placed in a vacuum because of their size, value or physical condition. Although the protons have a high energy, the beam current used is very low and this technique is non-destructive to virtually all samples and is essentially non-marking.

Analysis was carried out using protons of energy 2.5 MeV (mega electron volts) and a beam current of approximately 1 nanoampere. The beam was extracted into air and focused so that the beam diameter on the sample was approximately 100 micrometres. The air path between the air exit window and the sample was 4 mm.

X-rays were detected using a lithium-drifted silicon detector (Gresham Scientific Ltd., Marlow, Bucks., England) with a resolution of 150 eV at 5.9 keV and an active area of 80 mm². The air path between the sample and the detector was 25 mm. An X-ray absorber of 75 µm of Kapton foil was fitted to attenuate the intense low energy silicon X-rays. Because of this, and because of absorption in the air path from the sample to the detector, the analysis is not sensitive to elements lighter than silicon ($Z < 14$).

The X-ray spectra were processed using the industry standard software package GUPIX.

The seals were supported on an adjustable mounting stage. Using a video microscope and a low power alignment laser, selected points on the surface of the sample were moved into the analysis position. The exposure time of the beam on the sample was 2–6 minutes for each analysis point. The photographs show some of the samples in the analysis position.

The samples were not cleaned before analysis.

At least one analysis was carried out on each object and more than one analysis in cases where there were obvious differences in the surface appearance.

A certified glass standard reference material (BCR 126A lead glass, EC Institute for Reference Materials) was analysed to provide correction factors for the measured data.

Object	Time (seconds)	Run no.
BCR 126 glass	95	335078P0
BCR 126 glass	144	335079P0
1989.75 (broken surface)	114	335080P0
11	96	335081P0
11 (new point)	224	335082P0
11 (seal surface)	151	335083P0
12	354	335084P0
8	68	335085P0
10	215	335087P0
463 (polished seal surface)	104	335088P0
AE 1237	157	335089P0
AE 1237 (fresh surface)	214	335090P0
9	173	335092P0
513	216	335093P0
1989.75 (seal surface)	212	335095P0
1989.75 (cleaved surface)	192	335096P0
1989.75 (brown spot on cleaved surface)	106	335097P0

For quality control standard, the composition of the BCR 126A lead glass standard was measured (assuming that the only invisible element is oxygen bound to each metal in a stoichiometric ratio) and the values were used to fix the various parameters in the description of the detector. The composition of the glass measured following adjustment is as follows (values in percentage by weight of the oxide).

Oxide	Certified	Measured
SiO ₂	57.8	58.4
K ₂ O	10.0	9.11
CaO	1.03	0.95
ZnO	1.02	0.95
BaO	1.04	0.83
PbO	24.0	27.5

i. 'White pieces' 8, 9, 10, 11 with 12; also AE 1237 (Table 1)

The major constituent in all analyses was SiO₂ with varying minor amounts of S, FeO and other trace elements. An earlier mineralogical assessment of 8–11 had suggested that the material is steatite or soapstone (Mg₃Si₄O₁₀(OH)₂: MgO 32% w/w, SiO₂ 64% w/w). Unfortunately this was not known during the analysis and the PIXE setup used was not sensitive to Mg, so the identification could not be confirmed. The concentrations of silicon, however, are consistent with what we would expect from steatite. The presence of highly variable amounts of Fe, S and other elements is very likely to be from the surface layers, which are impossible to avoid if the surface is not cleaned. Some of these elements might also be present in the steatite mineral as natural impurities not homogeneously distributed.

ii. Loop signet 1989.75 = CMS X No. 53 (Table 2)

The major components are iron and sulphur in amounts consistent with the earlier identification as pyrite (FeS₂, Fe 46% w/w, S 54% w/w). The apparently high value of Fe in run 335 095 c could indicate that we are measuring a surface layer of iron oxidation. The analysis is not sensitive to oxygen, so the normalisation procedure results in an artificially high value for iron. Minor variations between the different runs are likely to be due to the inhomogeneity of surface contamination and chemical modification due to wear and cleaning.

iii. Bronze lentoid seals 463, 513 (Table 3)

One analysis was performed on each object. These revealed a copper-tin alloy with a very high proportion of tin. The metal is certainly tin bronze, but without analysis of the uncorroded interior it is not at all certain what the original composition was. Copper is more chemically active than tin; the surface is therefore almost certainly enriched in tin owing to the leaching of copper corrosion products or through surface treatment. Small amounts of lead and arsenic together with other trace elements are quite consistent with typical Minoan bronze. The 4% of iron indicates iron oxides rather than metallic iron, again typical for Bronze Age copper and bronze metals from the Mediterranean.

This was a short preliminary analysis to investigate the potential of the technique. The potential is certainly increased if results of previous analyses are taken into account, so that the technique can be optimised for light element determination and for the non-destructive measurement of the thickness and composition of the surface layers. The length of time devoted to the procedures also improves the quality of the results for archaeological purposes. Used to its full potential, Ion Beam Analysis is an excellent tool for analysis of ancient materials.

G. W. Grime, 2007 (Advanced Technology Institute, Ion Beam Centre, University of Surrey, Guildford, England)

Table 1. 'White' and vitreous seals. Values are presented as percentage by weight of the element oxide (except C₁).

Object	SiO ₂	SO ₃	C ₁	K ₂ O	CaO	TiO ₂	Cr ₂ O ₃	MnO	FeO	NiO	Cu ₂ O	ZnO	PbO	Run no.
11	38.70	10.91	2.46	2.64	4.09	0.18	0.02	0.14	15.65	0.40	5.18	0.28		335081P0
11	58.18	2.47	0.50	1.18	2.00	0.12		0.05	5.44	0.08	0.72	0.08	0.11	335082P0
11	60.63	1.93	0.50	0.55	1.21	0.04		0.05	3.72	0.02	0.91	0.07	0.06	335083P0
12	55.62	5.18	0.27	0.52	2.13	0.04		0.02	8.21	0.04	0.07	0.07		335084P0
8	46.44	6.79	1.05	1.12	5.07	0.07		0.07	2.40		13.53	0.14	0.12	335085P0
10	46.18	16.00	0.38	0.73	5.58	0.04		0.10	5.72	0.01	1.93	0.16	0.06	335087P0
AE1237	42.44	4.91	0.92	0.30	11.36	0.05	0.09	0.08	18.35	0.21	0.04	0.03		335089P0
AE1237	53.53	0.52	0.45		1.08		0.08	0.09	17.04	0.37	0.04	0.03		335090P0
9	54.58	2.90	1.44	0.73	2.70	0.13		0.08	5.85	0.02	4.18	0.11		335092P0

Table 2. Pyrite loop signet. Values are presented as percentage by weight of the element (normalised to 100%).

Object	Si	S	C ₁	K	Ca	Ti	V	Mn	Fe	Ni	Cu	Zn	Run no.
1989.75 (broken surface)		61.11	0.44	0.11	0.19	0.02		0.03	37.99	0.02		0.09	335080P0
1989.75 (seal surface)	1.49	1.65	0.47	0.27	0.85	0.06	0.02	0.07	95.08			0.03	335095P0
1989.75 (cleaved surface)		64.95	0.34	0.06	0.11				34.53		0.02		335096P0
1989.75 (brown spot on cleaved surface)		46.68	0.87	0.42	0.51	0.05			51.40		0.02	0.06	335097P0

Table 3. Bronze lentoid seals. Values are presented as percentage by weight of the element (normalised to 100%).

Object	Mn	Fe	Cu	Zn	As	Sn	Pb	Run no.
463 (polished seal surface)	0.02	0.43	61.8		0.21	37.3	0.20	335088P0
513	0.11	4.10	37.67	0.26	0.52	58.42	0.88	335093P0

CONCORDANCES

1. Reg.No. and Cat.No.

Important note: The inventory numbers given below are not in the form used in the Accessions Register of the Ashmolean and in publications. For the sake of technical convenience they appear below in the form devised for the CMS database, with 0's inserted when necessary to create a standard four-digit form. Thus 1895.2 appears below as '1895.0002', AE 710 as 'AE 0710', etc. The Ashmolean form should always be used in publications and in any correspondence with the museum. Likewise, CMS VI No. 1 appears as '001', etc. below, but publications should continue to use the customary form.

REG. NO.	CMS NO.	1910.0238	VI 075	1938.0268	VI 261
		1910.0239	VI 041	1938.0742	VI 071
1873.0129	VI 346	1910.0240	VI 048	1938.0743	VI 070
1889.0279	VI 479	1910.0241	VI 065	1938.0744	VI 068
1889.0289	VI 291	1910.0242	VI 060	1938.0745	VI 045
1889.0988	VI 506	1910.0243	VI 067	1938.0746	VI 034
1889.0998	VI 104	1910.0244	VI 052	1938.0747	VI 031
1889.0999	VI 501	1910.0281	VI 131	1938.0748	VI 029
1889.1000	VI 229	1910.0282	VI 130	1938.0749	VI 036
1890.0099	VI 022	1919.0056	VI 278	1938.0750	VI 044
1890.0106	VI 039	1920.0116	VI 436	1938.0751	VI 084
1892.1398	VI 335	1925.0043	VI 435	1938.0752	VI 069
1893.0234	VI 413	1925.0044	VI 486	1938.0752a	VI 062
1893.0235	VI 449	1925.0045	VI 440	1938.0753	VI 064
1893.0236	VI 489	1925.0046	VI 115	1938.0754	VI 059
1893.0237	VI 484	1925.0047	VI 450	1938.0755	VI 058
1893.0238	VI 269	1925.0049	VI 411	1938.0757	VI 035
1895.0002	VI 061	1925.0050	VI 419	1938.0760	VI 074
1895.0003	VI 292	1925.0051	VI 297	1938.0761	VI 032
1910.0225	VI 016	1925.0052	VI 480	1938.0762	VI 077
1910.0226	VI 055	1925.0053	VI 418	1938.0763	VI 025
1910.0227	VI 090	1925.0054	VI 451	1938.0764	VI 046
1910.0228	VI 054	1925.0055	VI 021	1938.0765	VI 085
1910.0229	VI 037	1925.0056	VI 136	1938.0767	VI 072
1910.0232	VI 030	1925.0057	VI 079	1938.0768	VI 073
1910.0233	VI 088	1925.0058	VI 151	1938.0773	VI 053
1910.0234	VI 105	1925.0128	VI 377	1938.0774	VI 026
1910.0235	VI 095	1938.0264	VI 158	1938.0775	VI 123
1910.0236	VI 145	1938.0265	VI 187	1938.0776	VI 121
1910.0237	VI 051	1938.0266	VI 252	1938.0777	VI 005

1938.0778	VI 023	1938.0966	VI 205	1938.1028	VI 427
1938.0780	VI 020	1938.0967	VI 464	1938.1029	VI 425
1938.0781	VI 017	1938.0968	VI 456	1938.1030	VI 424
1938.0782	VI 122	1938.0969	VI 404	1938.1031	VI 409
1938.0783	VI 150	1938.0970	VI 421	1938.1032	VI 454
1938.0784	VI 006	1938.0971	VI 458	1938.1035	VI 373
1938.0785	VI 117	1938.0972	VI 462	1938.1036	VI 366
1938.0786	VI 110	1938.0973	VI 257	1938.1037	VI 355
1938.0787a	VI 109	1938.0974	VI 225	1938.1038	VI 363
1938.0787b	VI 114	1938.0975	VI 466	1938.1039	VI 448
1938.0789	VI 142	1938.0976	VI 453	1938.1040	VI 305
1938.0791	VI 093	1938.0977	VI 273	1938.1041	VI 304
1938.0792	VI 092	1938.0978	VI 275	1938.1042	VI 306
1938.0793	VI 100	1938.0979	VI 258	1938.1043	VI 310
1938.0794	VI 101	1938.0980	VI 248	1938.1044	VI 309
1938.0795	VI 106	1938.0983	VI 230	1938.1045	VI 307
1938.0796	VI 094	1938.0984	VI 201	1938.1048	VI 266
1938.0797	VI 028	1938.0985	VI 202	1938.1049	VI 319
1938.0798	VI 098	1938.0986	VI 174	1938.1050	VI 318
1938.0917	VI 007	1938.0987	VI 204	1938.1051	VI 285
1938.0918	VI 148	1938.0988	VI 167	1938.1052	VI 254
1938.0919	VI 008	1938.0989	VI 170	1938.1053	VI 472
1938.0920	VI 141	1938.0990	VI 166	1938.1054	VI 312
1938.0921	VI 138	1938.0991	VI 171	1938.1055	VI 316
1938.0922	VI 143	1938.0992	VI 165	1938.1056	VI 446
1938.0923	VI 149	1938.0993	VI 212	1938.1057	VI 315
1938.0925	VI 146	1938.0994	VI 211	1938.1058	VI 356
1938.0926	VI 147	1938.0995	VI 196	1938.1059	VI 372
1938.0927	VI 012	1938.0996	VI 195	1938.1061	VI 396
1938.0928	VI 014	1938.0997	VI 197	1938.1062	VI 325
1938.0929	VI 013	1938.0998	VI 198	1938.1063	VI 402
1938.0931	VI 132	1938.0999	VI 199	1938.1064	VI 376
1938.0932	VI 125	1938.1000	VI 244	1938.1065	VI 401
1938.0933	VI 133	1938.1001	VI 191	1938.1066	VI 459
1938.0934	VI 129	1938.1002	VI 192	1938.1067	VI 365
1938.0935	VI 128	1938.1003	VI 190	1938.1069	VI 302
1938.0936	VI 124	1938.1004	VI 218	1938.1070	VI 299
1938.0937	VI 127	1938.1005	VI 233	1938.1071	VI 298
1938.0942	VI 157	1938.1006	VI 246	1938.1072	VI 301
1938.0943	VI 153	1938.1007	VI 276	1938.1073	VI 314
1938.0944	VI 097	1938.1008	VI 107	1938.1074	VI 340
1938.0946	VI 178	1938.1009	VI 286	1938.1075	VI 395
1938.0950	VI 163	1938.1010	VI 320	1938.1076	VI 343
1938.0951	VI 498	1938.1011	VI 284	1938.1077	VI 339
1938.0952	VI 499	1938.1013	VI 283	1938.1078	VI 338
1938.0953	VI 177	1938.1017	VI 357	1938.1079	VI 342
1938.0954	VI 180	1938.1018	VI 408	1938.1081	VI 341
1938.0955	VI 184	1938.1019	VI 379	1938.1083	VI 368
1938.0956	VI 183	1938.1020	VI 457	1938.1084	VI 367
1938.0958	VI 468	1938.1021	VI 327	1938.1085	VI 403
1938.0959	VI 469	1938.1022	VI 344	1938.1086	VI 422
1938.0960	VI 256	1938.1023	VI 345	1938.1087	VI 423
1938.0962	VI 179	1938.1024	VI 330	1938.1090	VI 321
1938.0963	VI 182	1938.1025	VI 443	1938.1091	VI 290
1938.0964	VI 181	1938.1026	VI 329	1938.1092	VI 313
1938.0965	VI 467	1938.1027	VI 426	1938.1093	VI 324

1938.1094	VI 430	1941.0110	VI 220	1941.1237	VI 238
1938.1095	VI 397	1941.0115	VI 242	1941.1238	VI 274
1938.1096	VI 439	1941.0116	VI 240	1941.1240	VI 496
1938.1097	VI 331	1941.0117	VI 241	1941.1241	VI 378
1938.1098	VI 477	1941.0118	VI 206	1941.1242	VI 420
1938.1099	VI 478	1941.0119	VI 375	1952.0050	VI 019
1938.1100	VI 389	1941.0120	VI 322	1952.0051	VI 120
1938.1101	VI 139	1941.0121	VI 445	1953.0116	VI 175
1938.1103	VI 140	1941.0122	VI 295	1953.0117	VI 386
1938.1108	VI 337	1941.0123	VI 300	1953.0118	VI 383
1938.1112	VI 137	1941.0124	VI 247	1953.0119	VI 388
1938.1126	VI 364	1941.0125	VI 405	1953.0120	VI 391
1938.1127	VI 281	1941.0126	VI 334	1953.0121	VI 348
1938.1128	VI 279	1941.0127	VI 214	1953.0122	VI 289
1938.1129	VI 280	1941.0128	VI 390	1953.0123	VI 504
1938.1130	VI 277	1941.0129	VI 392	1953.0124	VI Add. 2
1938.1134	VI 200	1941.0130	VI 394	1963.1912	VI 135
1938.1136	VI 417	1941.0131	VI 503	1967.0912	VIII 001
1938.1137	VI 267	1941.0133	VI 326	1967.0913	VIII 002
1938.1138	VI 231	1941.0134	VI 438	1967.0914	VIII 003
1938.1139	VI 221	1941.0135	VI 384	1967.0915	VIII 004
1938.1140	VI 236	1941.0136	VI 152	1967.0916	VIII 010
1938.1141	VI 228	1941.0137	VI 264	1967.0917	VIII 016
1938.1142	VI 194	1941.0138	VI 441	1967.0918	VIII 017
1938.1143	VI 235	1941.0140	VI 296	1967.0919	VIII 019
1938.1144	VI 144	1941.0141	VI 173	1967.0920	VIII 020
1938.1145	VI 507	1941.0142	VI 385	1967.0921	VIII 021
1938.1146	VI 288	1941.0143	VI 260	1967.0922	VIII 025
1938.1147	VI 287	1941.0144	VI 447	1967.0923	VIII 023
1938.1148	VI 294	1941.0145	VI 169	1967.0924	VIII 032
1938.1149	VI 047	1941.0146	VI 352	1967.0925	VIII 034
1938.1150	VI 362	1941.0147	VI 359	1967.0926	VIII 038
1938.1151	VI 508	1941.0148	VI 382	1967.0927	VIII 039
1938.1166	VI 102	1941.0149	VI 155	1967.0928	VIII 042
1941.0085	VI 086	1941.0150	VI 208	1967.0929	VIII 044
1941.0086	VI 042	1941.0151	VI 217	1967.0930	VIII 046
1941.0088	VI 083	1941.0152	VI 186	1967.0931	VIII 054
1941.0089	VI 374	1941.0155a	VI 018	1967.0932	VIII 057
1941.0090	VI 249	1941.0155b	VI 361	1967.0933	VIII 058
1941.0091	VI 156	1941.0156	VI 113	1967.0934	VIII 059
1941.0092	VI 428	1941.0188a	VI 485	1967.0935	VIII 061
1941.0093	VI 399	1941.0188b	VI 482	1967.0936	VIII 060
1941.0094	VI 354	1941.0188c	VI 209	1967.0937	VIII 062
1941.0095	VI 353	1941.0188d	VI 491	1967.0938	VIII 065
1941.0097	VI 400	1941.0220	VI 040	1967.0939	VIII 067
1941.0098	VI 349	1941.0247	VI 099	1967.0940	VIII 090
1941.0099	VI 432	1941.0684	VI 011	1967.0941	VIII 093
1941.0100	VI 431	1941.1210	VI 162	1967.0942	VIII 098
1941.0101	VI 461	1941.1228	VI 452	1967.0943	VIII 099
1941.0102	VI 232	1941.1229	VI 455	1968.0099	VIII 082
1941.0103	VI 226	1941.1230	VI 253	1968.0100	VIII 083
1941.0104	VI 465	1941.1231	VI 460	1968.0101	VIII 086
1941.0105	VI 164	1941.1233	VI 444	1968.0102	VIII 068
1941.0106	VI 161	1941.1234	VI 259	1971.1136	VI 369
1941.0107	VI 500	1941.1235	VI 243	1971.1137	VI 393
1941.0108	VI 250	1941.1236	VI 237	1971.1138	VI 483

1971.1139	VI 328	AE 0703	VI 473	AE 1774	VI 103
1971.1140	VI 358	AE 0704	VI 493	AE 1775	VI 168
1971.1141	VI 415	AE 0705	VI 475	AE 1776	VI 490
1971.1142	VI 470	AE 0706	VI 476	AE 1777	VI 091
1971.1143	VI 410	AE 0707	VI 210	AE 1778	VI 463
1971.1144	VI 347	AE 0708	VI 003	AE 1779	VI 222
1971.1145	VI 333	AE 0709	VI 311	AE 1780	VI 219
1971.1146	VI 360	AE 0710	VI 513	AE 1781	VI 234
1971.1147	VI 505	AE 0711	VI 514	AE 1782	VI 203
1971.1148	VI 293	AE 0712	VI 265	AE 1783	VI 245
1971.1149	VI 434	AE 0713	VI 494	AE 1784	VI 224
1971.1150	VI 398	AE 0723	VI 134	AE 1785	VI 223
1971.1151	VI 351	AE 1188	VI 063	AE 1786	VI 433
1971.1152	VI 414	AE 1189	VI 049	AE 1787	VI 381
1980.0283	VI 080	AE 1190	VI 057	AE 1788	VI 323
1980.0284	VI 081	AE 1191	VI 087	AE 1789	VI 308
1980.0285	VI 082	AE 1192	VI 024	AE 1790	VI 471
1980.0286	VI 239	AE 1194	VI 096	AE 1791	VI 488
1980.0287	VI 215	AE 1200a	VI 009	AE 1792	VI 487
1980.0288	VI 207	AE 1200b	VI 268	AE 1793	VI 263
1980.0289	VI 271	AE 1215	VI 078	AE 1795	VI 481
1980.0290	VI 371	AE 1216	VI 076	AE 1796	VI 474
1980.0291	VI 406	AE 1217	VI 038	AE 1797	VI 502
1989.0069	X 009	AE 1218	VI 066	AE 1798	VI 512
1989.0070	X 010	AE 1219	VI 056	AE 1805	VI 416
1989.0071	X 028	AE 1220	VI 033	AE 1806	VI 282
1989.0072	X 039	AE 1221	VI 050	AE 1811	VI 010
1989.0073	X 037	AE 1222	VI 511	AE 1812	VI 015
1989.0074	X 038	AE 1223	VI 089	AE 1814	VI 213
1989.0075	X 053	AE 1225	VI 111	AE 2237	VI 336
1989.0076	X 058	AE 1227	VI 407	AE 2327	VI 126
1989.0077	X 059	AE 1228	VI 510		
1989.0078	X 203	AE 1229	VI 112		
1989.0079	X 191	AE 1230	VI 370		
1989.0080	X 197	AE 1231	VI 272		
1989.0081	X 184	AE 1232/3	VI 172		
1989.0082	X 188	AE 1234	VI 255		
1989.0083	X 190	AE 1239	VI 492		
1989.0084	X 136	AE 1509	VI 495		
1991.0126	VI 350	AE 1511	VI 387		
AE 0007	VI 004	AE 1512	VI 332		
AE 0159	VI 001	AE 1739	VI 509		
AE 0313i	VI 227	AE 1740	VI Add. 1		
AE 0689	VI 317	AE 1744	VI 216		
AE 0690	VI 429	AE 1758	VI 188		
AE 0691	VI 193	AE 1760	VI 497		
AE 0692	VI 437	AE 1764	VI 043		
AE 0693	VI 270	AE 1765	VI 002		
AE 0694	VI 442	AE 1766	VI 108		
AE 0695	VI 380	AE 1767	VI 116		
AE 0696	VI 303	AE 1768	VI 119		
AE 0697	VI 412	AE 1769	VI 160		
AE 0698	VI 251	AE 1770	VI 154		
AE 0699	VI 176	AE 1771	VI 027		
AE 0700	VI 262	AE 1772	VI 159		
AE 0701	VI 189	AE 1773	VI 118		

2. CS and CMS No.

Important note: The inventory numbers given below are not in the form used in Kenna, CS or in published references to it. For the sake of technical convenience they appear below in the form devised for the CMS database, with 0's inserted when necessary to create a standard three-digit form. Thus Kenna, CS 1 appears below as 'CS 001', etc. In Kenna's 'peripheral' category CS 1P appears as 'CS P01', etc. CS GD numbers refer to Kenna's Gemmae Dubitandae. Published references should continue to be given in Kenna's own form.

CS. No.	CMS No.				
CS 001	VI 071	CS 037	VI 044	CS 075	VI 111
CS 002	VI 070	CS 038	VI 045	CS 076	VI 109
CS 003	VI 069	CS 039	VI 034	CS 077	VI 110
CS 004	VI 058	CS 040	VI 046	CS 078	VI 113
CS 005	VI 059	CS 041	VI 047	CS 079	VI 114
CS 006	VI 060	CS 042	VI 048	CS 080	VI 115
CS 007	VI 061	CS 043	VI 049	CS 081	VI 108
CS 008	VI 062	CS 044	VI 050	CS 082	VI 116
CS 009	VI 063	CS 045	VI 051	CS 083	VI 119
CS 010	VI 064	CS 046	VI 075	CS 084	VI 120
CS 011	VI 065	CS 047	VI 085	CS 085	VI 008
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CATALOGUE

PART 1

If a seal has more than one side engraved, the sides (a, b etc.) are listed in the same order as in Kenna, CS. Drawings are always based on the impression.



1/AE 159

Green soft stone, perhaps alabaster

Stamp cylinder with rectangular loop handle, suspension hole narrower at the top; engraved on base and side

Ø 1.9, H 4.6, Perf. 0.4 max.

Somewhat worn, especially around edges and on one side

Amorgós, grave D at Kápros? Bought by the Revd. G. J. Chester 1889 in Athens from A. Rhusopoulos' coll. Sold by Chester to Ashmolean 1889. Later registered by Evans because bought from the same dealer as the supposed 'Kápros D group' of objects. See Sherratt, *Cycladic Ashm I* 25–31.

Side (a): Two vertically aligned pairs of two concentric circles with a dot in the centre; the outer circles linked by a tangential line as though to create the illusion of a spiral; beyond them a further, incomplete, circle. Between these, placed centrally, are concentric circles with a dot in the centre; above and below, hatched chevrons and irregular triangular fillers.

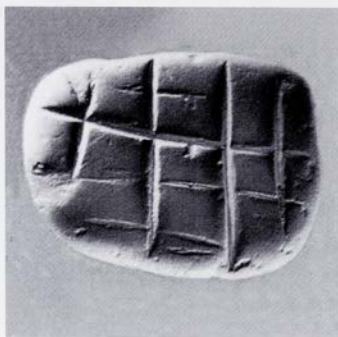
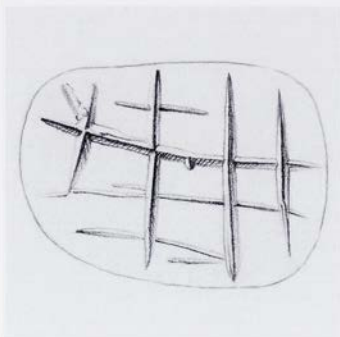
Base (b): Quartered, the quarters filled with chevrons.

Commentary: Early Cycladic or Near Eastern (perhaps Syrian or Levantine). Origin much debated: see Sherratt, *CatCycladicAshm I 41* for details. Cf. Sbonias, *Frühkretische Siegel 79 f.*

Comparanda: Cf. CMS V Suppl. 3,2 No. 380; E. Braun, *Levant 36*, 2004, 18–25, nos. 5–11; D. Collon, *First Impressions: Cylinder Seals in the Ancient Near East* (1987; 2nd ed. 2005) 111 f., no. 488. Motifs, with parallels: Makkay, *ESS 89–91*; idem, *Supplement to the Early Stamp Seals of South-East Europe* (2005) 25 no. 62, 29 no. 81, pls. 15, 20. Material: cf. CMS V Suppl. 3,2 No. 241; XI No. 5; see I. Pini, *CMS V Suppl. 3,1*, p. 3 n. 11. *Cylinders found in the Aegean:* C. Davaras – J. Soles, *AEphem 134*, 1995, 51–65.

Bibliography: See Sherratt, *CatCycladicAshm I*, 38–42, no. 1. a. 6; II, pls. 13 f. for full account of all aspects with bibliography to 1996. F. Dümmler, *AM 11*, 1886, 20, Beil. I:D6; idem, *Kleine Schriften III* (1901) 54, fig. 52; O. Montelius, *La Grèce préclassique I* (1924) 107, fig. 306; H. Frankfort, *Cylinder Seals* (1939) 227, 229, 232, 292, 301 f., pls XXXVIIIe, XLVIv; K. Bittel, *AfO 13*, 1939–41, 303; G. Kaschnitz-Weinberg, *PZ 34–5*, 1949–50, 201; E.-M. Bossert in *Festschrift für Peter Goessler* (1954) 31; eadem, *JdI 75*, 1960, 15; C. W. Blegen et al., *Troy III*, 298; L. Bernabò Brea, *Bollettino d'Arte 42*, 1957, 217 n. 14; K. Tuchelt, *Istanbul Forschungen 22*, 1962, 25 n. 70; B. Buchanan, *Catalogue of Ancient Near Eastern Seals in the Ashmolean Museum, I, Cylinder Seals* (1966) 127, 134 f. no. 741, pl. 48; M. H. Wiencke, *Hesperia 38*, 1969, 518 n. 65; H.-G. Buchholz, *OLZ 61*, 1966, 25; idem, *Cylinder 152* no. 3; Buchholz – Karageorghis, *PrehCrCy 1362a–c*; Boardman, *GGFR 387 = 405*; T. Burton-Brown, *Third Millennium Diffusion I* (1970) 78 f., 132 n. 32, fig. 162; C. Renfrew, *AJA 71*, 1967, 7, 18 no. 19, pl. 4; idem, *The Emergence of Civilisation* (1972), 215, 359, 389, 579, pl. 23,2; J. Thimme, *Art and Culture of the Cyclades* (1977) no. 453, 581–4; Ben-Tor, *Cylinder Seals 93*; Hood, *APG 212 f.*, fig. 211c; I. Pini, *JdI 95*, 1980, 103 n. 99; idem, *AA 1982*, 602 n. 15; Makkay, *ESS 89 f.*; N. H. Gale – Z. Stós-Gale, *BSA 76*, 1981, 181, pl. 33a; S. Symeonoglou in *Φύλα "Επη 290*, nn. 23 f.; O. Höckmann in H.-G. Buchholz (ed.), *Ägäische Bronzezeit*

(1987) 75; D. Collon, *First Impressions, Cylinder Seals in the Ancient Near East* (1987; 2nd ed. 2005) 109:12 viii, 141 f., no. 588; P. Getz-Preziosi, *The Obsidian Trail or 5000–4000 Years Ago in the Cyclades* (1987), fig. 6; Renfrew, *Cylinders 357 f.*, 372; G. F. Overbeck in J. C. Overbeck, *Keos VII, Ayia Irini, Period IV* (1989) 204; Lambrou-Phillipson, *Hellenorientalia 373* no. 531, pl. 15; M. B. Cosmopoulos in Laffineur – Basch, *Thalassa 160*; C. Davaras – J. Soles, *AEphem 134*, 1995, 58, no. 62; Manning, *Absolute Chronology 105* n. 16; Karantzali, *Le Bronze Ancien 228*; J. Aruz in Cline – Harris-Cline, *AegOr 305*, pl. xxxii; eadem in Betancourt et al., *Meletemata I 12 f.*, pl. IIIc; I. Pini, *CMS V Suppl. 3,2*, p. 3 n. 11; Krzyszkowska, *AS 30*, 55, 314 n. 9, no. 93.



2/AE 1765

Steatite, black

Four-sided pyramid, somewhat irregular

Face 1.3×0.95 , H. 1.3, incomplete secondary perf. $\varnothing 0.47$

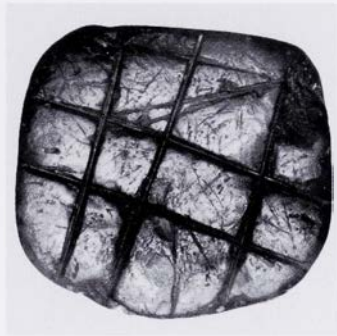
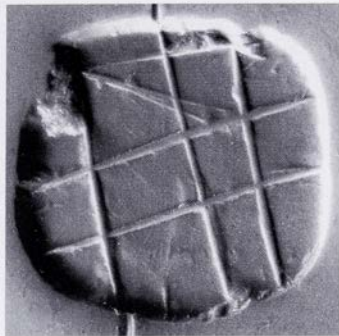
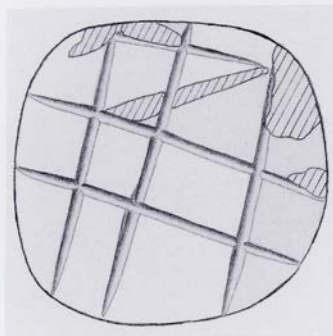
Top broken away at the original perf. A secondary perf. beneath the break is incomplete, terminating in a tiny regular, probably modern, hole ($\varnothing 0.1$)

?Crete (Acc. Reg).

Comparanda: cf. 3; CMS II,1 Nos. 195, 198; III,1 No. 39; V No. 16; V Suppl. 1A No. 233. Shape: Yule, ECS 69 (23 Pyramids) rather than 43 (6g Conoids).

Bibliography: Kenna, CS 96 no. 61, pl. 4; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 13); Boardman, IG 143 n. 1; Yule, ECS 43 (6g Conoids, miscellaneous).

Cross-hatching



3/AE 708

Steatite, green with dark mottling

Four-sided pyramidal stamp, pierced across the body

Face 1.55×1.55 , H. 1.2, Perf. 0.45 (pres., secondary)

Top apparently broken away at the original perf. leaving a groove. Scratched. Chipped at one corner

Psychró Cave [28].

Cross-hatched: three horizontal and three vertical lines meeting at right angles

Commentary: The earliest seal in the cave? (Replaces 85 as such: cf. Boardman, CCO 68.)

Comparanda: See at 2. Cf. 2, CMS II,1 Nos. 195, 198; V Nos. 16, 17; A. S. Vasilakis, *ADelt* 38, 1983, B'1, 355, pl. 153ζ. Seals from sanctuaries: Younger, *Phylakopi Seals* 294 f.

Bibliography: Boardman, CCO 68, 71 no. 322, fig. 31, pl. XXIV; Boardman, *IG* 143 n. 1.



4/AE 7

Schist, green-black

Disc with round hoop handle, i.e. ring-shaped

Bezel: Ø 2.1, Th. 0.6; Hoop: Ø outer 2.7, inner 1.4, H. 0.9-0.7

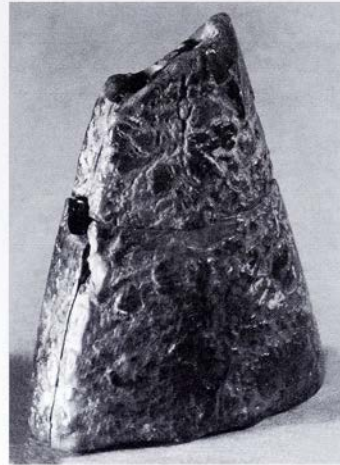
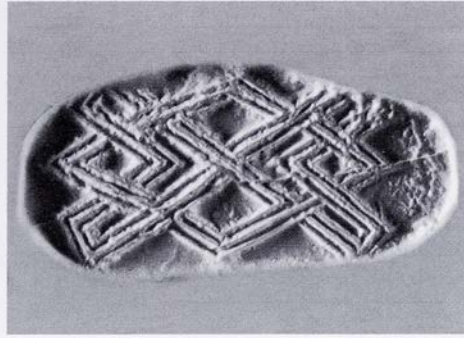
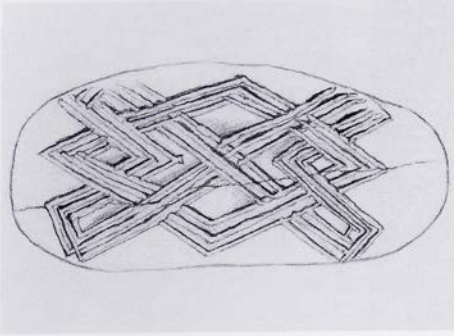
Somewhat worn

Central Crete. Acquired by Evans by 1896.

A whorl of four spirals. From within each arm grows a tendril bearing two (or once, one) flowers which serve to fill the corners.

Comparanda: Shape, material: cf. CMS V Suppl. 3,1 Nos. 129, 130. Shape, motif: cf. CMS V Suppl. 3,1 No. 132. Shape: cf. CMS V Suppl. 1A Nos. 285–294. Motif: CMS XI No. 230 to be added to Yule's examples (Yule, ECS 164); Sbonias, Frühkretische Siegel 87–99.

Bibliography: PM I 113, fig. 81b; Kenna, CS 91 f., no. 32, pl. 2, 85; idem, AA 1964, 921 n. 41; idem, Nestor 3, 1973, 829; Boardman, IG 156 n. 7; Yule, ECS 76 f. (28b Rings, massive, soft materials), 164 (Index: Vierpässe 2); Brown – Bennett, Travels 462 f. no. 345; Andreev 485.



5/1938.777

Ivory

Plump triangular seal, flat on one side, ridged and slightly convex on the other. Δ perf.

Face 1.9×0.9 , H. 2.4, Perf. at top 0.15, at sides 0.2

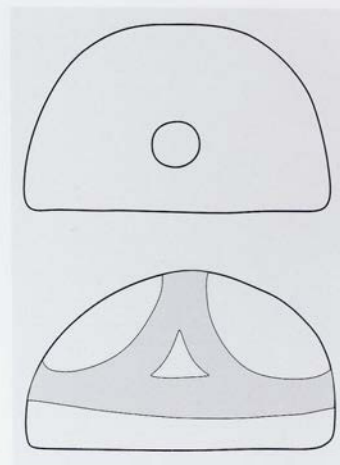
Top broken off. Sides somewhat scratched and worn

?Crete (Acc. Reg.).

Two interlocking patterns of triple lines. One is a lozenge, the other a cross with the arms returning towards the centre on the narrow sides. Cut with a very fine, sharp point.

Comparanda: Motif: cf. CMS II,1 No. 72, II,8 No. 15. On interlacing patterns see I. Pini ut infra 601–9.

Bibliography: Kenna, CS 91 no. 30, pl. 2, 23, 72 n. 1; idem, AA 1964, 921 n. 4; idem, Nestor 3, 1973, 829; idem, Kadmos 17, 1978, 87; Boardman, GGFR 387 = 405; L. Press, ArchW 29, 1978, 6 f.; Yule, ECS 43 (6g Conoids, miscellaneous), 153 (Index: Interlace 2); H. Hughes-Brock in CMS Beih. 3, 80, 82; L. Press in Pepragmena 6, A'2, 166; I. Pini in T. Korkut (ed.), 60. Yaşında Fahri Işık'a Armağan Anadolu'da Doğdu (2004) 602 f., fig. 1:7.



6/1938.784

Ivory

Hemispherical. Δ perf. with the oblique perfs. apparently joining the lateral some way inside the body (cf. diagram Yule, ECS 61)

\varnothing 2.0, H. 1.3, Perf. at sides 0.3, at top 0.4-0.3

Condition good

No prov. recorded.

Two linked S-spirals with a spur (perhaps a floral) in each corner.

Comparanda: Material and shape: cf. CMS II,1 No. 38; V Suppl. 1A No. 280. Shape: cf. CMS V No. 15; V Suppl. 1A No. 280. Motif: cf. CMS II,8 No. 19; V Suppl. 1A No. 275; Sbonias, *Frühkretische Siegel* 87-99.

Bibliography: Kenna, CS 91 no. 31, pl. 2, 31, 72 n. 1; idem, AA, 1964, 921 n. 41; idem, Nestor 3, 1973, 829; idem, Kadmos 17, 1978, 87; Boardman, GGFR 387 = 405; Yule, ECS 61 (18 Hemispheroids), 161 (Index: S-hooks and S-spirals 4), 208 (Parading Lions/Spiral); H. Hughes-Brock in CMS Beih. 3, 80, 82; (Pini, MGC 213 f. at no. 272); Andreev 485. On manufacture: Evely, Crafts 149.



7/1938.917

Ivory

Theriomorph: an owl seated on a plinth; \perp perf. across the neck and from the top of the head
Face 1.35×1.15 , H. 1.7, Perf. 0.2

Condition good

Southern Crete. Acquired by Evans. 'May well have been....from....the tomb of Hagios Onouphrios' [44] (Evans's conjecture, PM IV 487). Messara (Acc. Reg.).

Comparanda: Subject, owl see at 130.

Bibliography: PM IV 487, fig. 410; Kenna, CS 96 f. no. 62, pl. 4; (idem, Syria 44, 1967, 117 n. 2); idem, Nestor 3, 1973, 829; idem, Kadmos 17, 1978, 87; Boardman, GGFR 35, 98, 390 = 408, pl. 38; P. Yule, Antike Welt 16/2, 1985, 52, fig. 3; idem, BSA 78, 1983, 363 n. 12; Yule, ECS 95 (33f Birds, perched), 141 (Index: Leaves 5), 209 (Border/Leaf); H. Hughes-Brock in CMS Beih. 3, 82; (O. H. Kryszkowska, ibid. 122); Vanschoonwinkel, Les animaux 380 no. 58; J. Weingarten in Laffineur – Greco, Emporia II 762.

A scroll from which spring three ribbed leaves and three blooms resembling papyrus flowers. Line border.



8/1938.919

'White piece' (see Appendix, Analysis Results)

Figure seal. Axially intertwined animal foreparts resting on a disc plinth. They have pointed muzzles, large ears and striated bodies. Pierced across the bodies

Ø 1.0, H. 0.9, Perf. 0.2

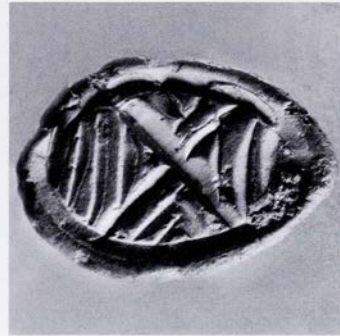
Condition good

Crete (Acc. Reg).

A quartered hoop with hatched triangles in two quarters, leaf-shaped cuts in the others.

Comparanda: See Pini, Skarabäen. Composition: see Sbonias, Frühkretische Siegel 114. Material: cf. **9**, **10**, **11**, **12**(?); H. Hughes-Brock in CMS Beih. 3, 87–89; eadem in CMS Beih. 5, 106 f.; I. Pini in Pepragmena 6, A2, 124; Pini, MGC 203 f.; Sbonias, Frühkretische Siegel 113–8; H. Hughes-Brock in Karetsoy, Κρήτη - Αίγυπτος 125; I. Pini *ibid.* 111–3; K. Nikita, Bead Study Trust Newsletter 44, 2004, 5; Krzyszkowska, AS 72–4. See Introduction, pp. 13, 18 f.

Bibliography: Kenna, CS 100 no. 85, pl. 5, 108; *idem*, Nestor 3, 1973, 829; *idem*, Kadmos 17, 1978, 87; Boardman, GGFR 35, 98, 390 = 408, pl. 39; Yule, ECS 93 f. (33b Animals, axially intertwined foreparts), 152 (Index: Hatched triangles 4), 209 (Border/Leaf); P. Yule, BSA 78, 1983, 363 n. 12; I. Pini in Pepragmena 4, A2, 425, 429 f., no. 2; *idem* in Pepragmena 6, A2, 118 no. 57, pl. 16; Pini, Skarabäen 107 n. 27; H. Hughes-Brock in CMS Beih. 3, 80, 87 f.; (O. Krzyszkowska, *ibid.*, 122); Sbonias, Frühkretische Siegel 114; I. Pini in Karetsoy, Κρήτη - Αίγυπτος 113 n. 25; K. Nikita, Bead Study Trust Newsletter 44, 2004, 5.



9/AE 1200a

'White piece' (see Appendix, Analysis Results)

Figure seal. A crouching animal with humanoid head, large rounded ears, outstretched forelegs, striated body, perhaps a monkey; no hindquarters marked. Rests on an oval plinth. Pierced across the body

Face 1.3×0.9 , H. 1.1, Perf. 0.22

Condition good

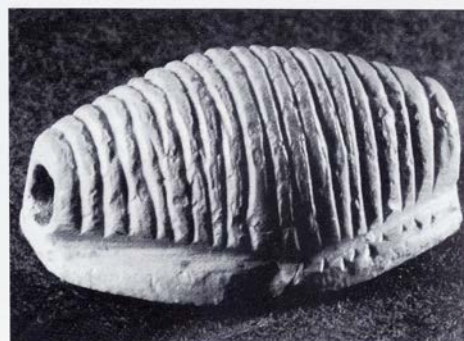
H. Pelagia? [41] (Acc.Reg.) If so, it can hardly belong with the batch of later objects said to come from a tomb there (see Introduction, pp. 12). The inv.no., curiously shared with 268, suggests some confusion in the cataloguing.

A cross, with straight hatching above and below, chevrons (double and single) at each side, in a line border.

Commentary: A whiter surface layer visible in the hollows of the engraving looks different from the grey interior, which appears to be steatite.

Comparanda: See Pini, Skarabäen. Shape, animal with human head: cf. 138; CMS III,1 No. 1; IV No. 28; V Suppl. 1A No. 221. Motif: cf. CMS II,2 No. 109; II,1 No. 357. Composition: see Sbonias, Frühkretische Siegel 114. Material: cf. CMS IV No. 18D (cf. I. Pini in Karetsou, Κρήτη - Αίγυπτος 112 f., n. 36); also 8, 10, 11; see at 8.

Bibliography: Kenna, CS 100 no. 86, pl. 5; (idem, Kadmos 1, 1962, 7); idem, Nestor 3, 1973, 829; idem, Kadmos 17, 1978, 87; (H. Erlenmeyer - H. Zai-Börlin, Antike Kunst 4, 1961, 13); Boardman, GGFR 35, 99, 390 = 408, pl. 41; idem, Classical Review 85, N.S. 21, 1971, 463; P. Yule, BSA 78, 1983, 363 n. 12; idem, Antike Welt 16/2, 1985, 52, fig. 3; I. Pini in Pepragmena 4, A'2, 425, 430 no. 3, pl. 120; (idem in Hägg - Marinatos, Minoan Thalassocracy 124 n. 16); idem in Pepragmena 6, A'2, 118 no. 58, pl. 14; (Pini, MGC 210 at no. 260); Yule, ECS 97 f. (33) Quadrupeds, recumbent), 152 (Index: Hatched triangles 4), 209 (Border/Leaf); H. Hughes-Brock in CMS Beih. 3, 80, 86-8; (O. H. Krzyskowska, ibid., 122); Pini, Skarabäen 109 n. 36; Sbonias, Frühkretische Siegel 114; I. Pini in Karetsou, Κρήτη - Αίγυπτος 112 f., n. 36; K. Nikita, Bead Study Trust Newsletter 44, 2004, 5; Krzyskowska, AS 12, 72, no. C6.



10/AE 1811

'White piece' (see Appendix, Analysis Results)

Figure seal. Half-ovoid with cross striations, on a shallow plinth. Pierced lengthwise

Face 1.65×1.15 , H. 0.7, Perf. 0.2

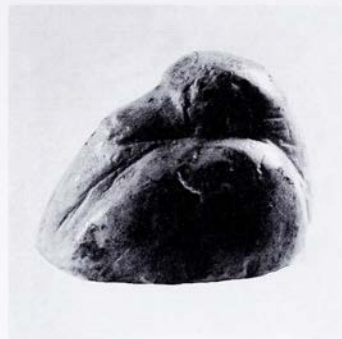
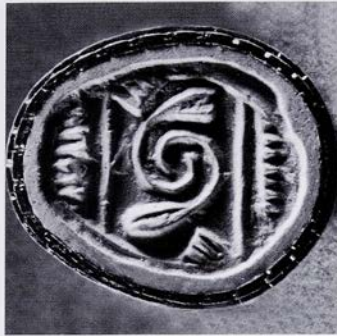
Condition good

Seen at Eloúnda [24] in 1894 by Evans and acquired.

A spiral, the ends turned back and ending in ribbed leaves. Line border.

Comparanda: See Pini, Skarabäen. Shape: cf. CMS II,2 No. 109. Motif, with Egyptian parallels: J. Aruz in CMS Beih. 6, 3, fig. 2. Composition: see Sbonias, Frühkretische Siegel 114. Material: cf. 8, 9, 11; see at 8.

Bibliography: Kenna, CS 100 no. 88, pl. 5, 31; idem, Nestor 3, 1973, 829; idem, Kadmos 17, 1978, 87; Boardman, GGFR 98 at pl. 39, 390 = 408; idem, Classical Review 85, N.S. 21, 1971, 463; Yule, ECS 58 f. (16 Half-ovoids), 161 (Index: S-hooks and S-spirals 6), 209 (Border/Leaf); P. Yule, BSA 78, 1983, 363 n. 12; I. Pini in Pepragmena 4, A'2, 425, 429 f., 432 no. 5, pl. 124; (idem in Pepragmena 6, A'2, 121 nn. 13, 15, 118 no. 60; H. Hughes-Brock in CMS Beih. 3, 80, 87 f.; (O. H. Krzyszkowska, ibid. 118 n. 28); Sbonias, Frühkretische Siegel 114; J. Aruz in CMS Beih. 6, 3, fig. 2; Brown – Bennett, Travels 428 f. no. 175; K. Nikita, Bead Study Trust Newsletter 44, 2004, 5; J. Weingarten in Laffineur – Greco, Emporia II 761 f., pl. CXCIIa.



11/1941.684

'White piece' (see Appendix, Analysis Results)
 Figure seal. A duck with its head turned back.
 Pierced across the body
 Face 1.2×1.0 , H. 0.8, Perf. 0.18–0.2
 Condition good
 Provenance unknown (Acc. Reg.). Obtained by
 Evans by exchange with R. B. Seager? See intro-
 duction, pp. 7 f.

Three registers in a line border with double line
 dividers. Hatching at each side. At the centre a spi-
 ral terminating in leaves with hatched triangles in
 opposed corners.

Comparanda: See Pini, Skarabäen. Shape: cf. 139, 140,
 CMS III,1 No. 22, IV No. 5, V Suppl. 1A No. 301.
 Composition: see Sbonias, Frühkretische Siegel 113.
 Material: cf. 8, 9, 10; see at 8.

Bibliography: Kenna, CS 100 no. 87, pl. 5, 31; (idem,
 Kadmos 1, 1962, 7); idem, Nestor 3, 1973, 829; idem,
 Kadmos 17, 1978, 87; Boardman, GGFR 98 at pl. 39,
 390 = 408; idem, Classical Review 85, N.S. 21, 1971,
 463; Yule, ECS 94 f. (33e Birds [ducks?] regardant), 152
 (Index: Hatched triangles 3), 162 (Index: Zweipässe 2),
 209 (Border/Leaf); (H. Matthäus in H. Lorenz [ed.],
 Studien zur Bronzezeit: Festschrift für Wilhelm Albert
 v. Brunn [1981] 294 n. 21); P. Yule, BSA 78, 1983, 363
 n. 12; I. Pini in Pepragmena 4, A², 425–35 passim, no.
 4, pl. 125; idem in Pepragmena 6, A², 118 no. 59, pl. 18;
 H. Hughes-Brock in CMS Beih. 3, 80, 87 f.; (O. H.
 Krzyszkowska, *ibid.*, 122); J. Phillips in S. Schoske (ed.),
 Akten des IV. Ägyptologen Kongresses, IV (1991) 325
 n. 32; Sbonias, Frühkretische Siegel 113; I. Pini in
 Karetsou, Κρήτη - Αίγυπτος 111 f.; K. Nikita, Bead
 Study Trust Newsletter 44, 2004, 5; J. Weingarten in
 Laffineur – Greco, Emporia II,2, 762; Phillips, Aegypti-
 aca no. 570.



12/1938.927

Steatite, blue-grey on outermost surface of face; side of object and hollows of engraving mostly cream-coloured: a coated surface? Thus a 'white piece' as 8-11? (see Appendix, Analysis Results)

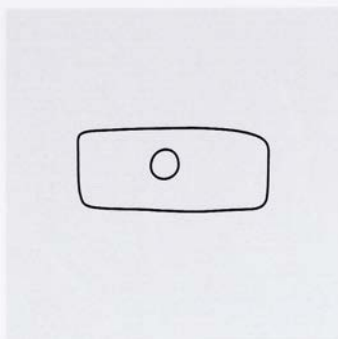
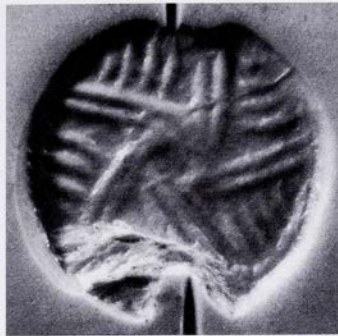
Disc

Ø 1.25, Th. 0.5, Perf. 0.2

Condition good

Crete (Acc. Reg).

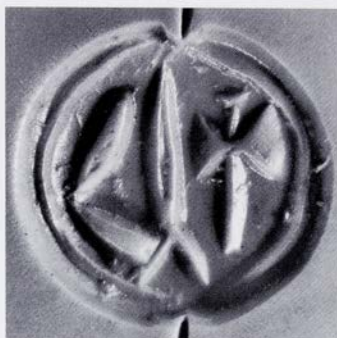
a) Four registers in a hoop with double line dividers. Hatched triangles: one, three, three and one, set in an antithetic pattern.



b) A whorl of five double lines springing from a double hoop, the interspaces hatched.

Comparanda: Material: Sbonias, Frühkretische Siegel 113–8; see also W. Müller, CMS III,1, 17 f. Composition: see Sbonias, Frühkretische Siegel 113.

Bibliography: Kenna, CS 100 no. 92, pl. 5, 29 n. 6, 35; idem, Nestor 3, 1973, 829; idem, Kadmos 17, 1978, 87; Boardman, GGFR 98 at pl. 39; idem, Classical Review 85, N.S. 21, 1971, 463; I. Pini in Pepragmena 4, A'2, 425, 430 no. 7; Yule, ECS 49 (10b Bordered Discs), 152 (Index: Hatched triangles 7), 202 n. 31, 209 (Border/Leaf); P. Yule, BSA 78, 1983, 363 n. 12; H. Hughes-Brock in CMS Beih. 3, 80, 86; Sbonias, Frühkretische Siegel 113; K. Nikita, Bead Study Trust Newsletter 44, 2004, 5. On manufacture: Evely, Crafts 156.



13/1938.929

Steatite, olive green with a darker patch

Discoid with slightly convex back

Ø 1.3, Th. 0.3–0.4, Perf. 0.2

Condition good

Hellenika, Knossos [37] (Evans, SM I 158).

a) and b) signs within a line border, with a pair of buds on side a and a row of notches on side b.

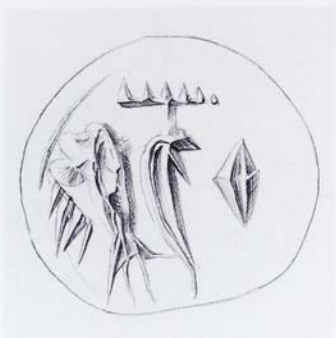
Comparanda: Two-sided discoids with motifs enclosed in a line border: cf. CMS II,1 Nos. 390, 394; II,2 No. 204. 'Archanes Script' seals: Sbonias, Frühkretische Siegel 107–113. 'Archanes Formula': cf. e.g. 14; CMS II,1 Nos. 393, 394.

Bibliography: Evans, SM I 158 P49a,b; Stawell CCS 76, 78, 101, 174; D. Levi, ASAtene 19–20, 1957–58, 104; Kenna, CS 101 no. 95, pl. 5, 29 n. 8; idem, Kadmos 1, 1962, 8; idem in Brice, Europa 174; idem, Nestor 3, 829; W. C. Brice, BullJ RylandsLib 46/2, 1965, 58, fig. 2: Da, b, 64; E. Grumach in Grumach, Minoica 188–90, fig. 5; idem, BullJ RylandsLib 48/1, 1964, 355, 376, 381,

fig. 4:1a; idem, Kadmos 7, 1968, 7, 11 f., fig. 1:iva, b; E. Grumach – J. Sakellarakis, Kadmos 5, 1966, 113 f.; Davis, Decipherment 131 f., 299 f., fig. 354; Boardman, GGFR 388 f. = 406 f.; C. Davaras, Kadmos 11, 1971, 109, fig. 2 no. xiii; I. Pini in Pepragmena 4, 425–35 passim no. 8, pl. 128; Yule, EC 53 f. (11e Bordered Discoids), 170, 172 (Index: Scripts 1 and 2), 182 n. 138, 209 (Border/Leaf); P. Yule, Kadmos 19, 1980, 103 n. 10; idem, BSA 78, 1983, 360 n. 5, 361 figs. 7a–b, 10, 363 n. 12; J. G. Younger in CMS Beih. 5, 335 f. n. 26; J. Best – F. Woudhuizen, Ancient Scripts from Crete and Cyprus (1988) 25, fig. 23, 88, fig. 4; eidem, Lost Languages from the Mediterranean (1989) 20, fig. 4; Younger, Middle Phase 48, 108–11, 117; Sbonias, Frühkretische Siegel 107; Olivier – Godart, CHIC no. 203, p. 18 n. 59; W. C. Brice, Kadmos 36, 1997, 93–96, fig. 1e; L. Godart in Betancourt et al., Meletemata I 299–302; Krzyszkowska, AS 12, 32 n. 37, 70, 81, no. 123 = C7.

a) Yule, ECS 168 (Index: Double axes 1).

b) Yule, ECS 152 (Index: Hatched Triangles 2). J. G. Younger, Minos 31–32, 1996–97, 397 Appendix C: C.



14/1938.928

Steatite, dark olive green

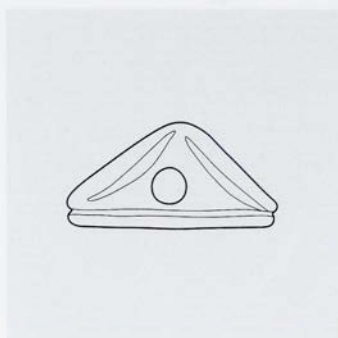
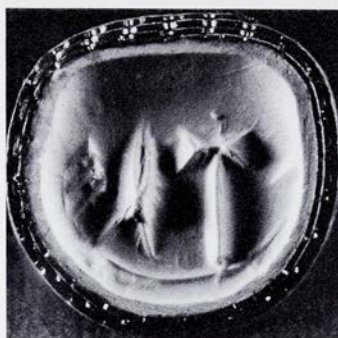
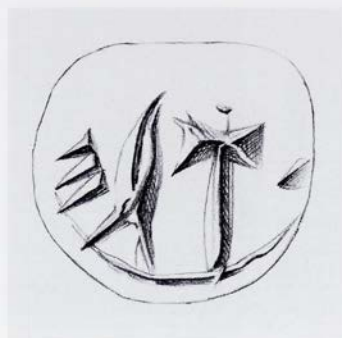
Gable

L. 1.3, W. of object 1.0, 1.4, 1.0, W. of faces 0.9,
1.4, 0.9, Perf. 0.2

Side b somewhat worn

'Phournoi' [25] (Kenna, CS at no. 96, not citing source). Probably the village of Phourné between Elounda and Neapolis (not the hill Phourní near Archanes). See Introduction, p. 11.

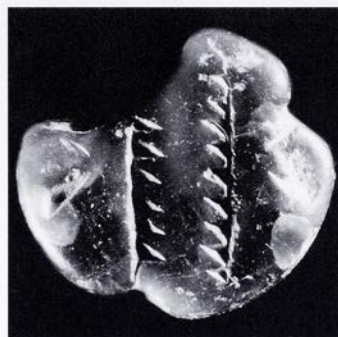
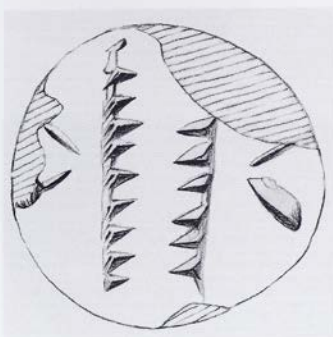
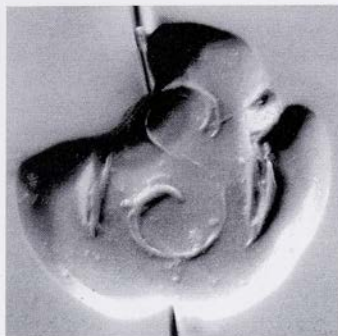
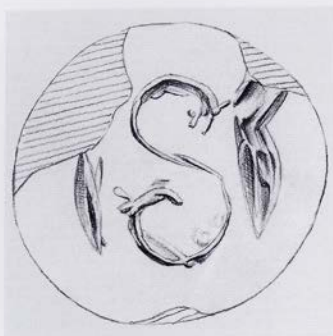
- a) The head of a rake, a fork-shaped object and a row of notches: perhaps 'Archanes Script' signs.
b) 'Archanes Script' signs and a row of notches.



c) 'Archanes Formula' signs.

Comparanda: 'Archanes Script' seals: Sbonias, *Frühkretische Siegel* 107–113. 'Archanes Formula': see at 13.

Bibliography: Kenna, CS 101 no. 96, pl. 5; idem, *Kadmos* 1, 1962, 8; E. Grumach – J. Sakellarakis, *Kadmos* 5, 1966, 113 f.; E. Grumach, *Kadmos* 7, 1968, 10 f., 19 n. 65, 25, fig. 1:viib–c; (C. Davaras, *Kadmos* 11, 1972, 109, fig. 2 no. xii); Buchholz et al., *ArchHom J*, 141 no. 57; Yule, ECS 57 (14b Gables, soft stone), 156 (Index: V-cuts 1), 182 n. 138, 209 (Border/Leaf); P. Yule, BSA 78, 1983, 360 n. 5, 363 n. 12; J. Best – F. Woudhuizen, *Ancient Scripts from Crete and Cyprus* (1988) 25, fig. 23, 88, fig. 4; idem, *Lost Languages from the Mediterranean* (1989) 20, fig. 4; Younger, *Middle Phase* 48, 108–11, 115, 117 f.; J. G. Younger in CMS Beih. 5, 335 f. n. 26; Sbonias, *Frühkretische Siegel* 107; Olivier – Godart, CHIC no. 251, p. 18 n. 59; W. C. Brice, *Kadmos* 36, 1997, 93–96, fig. 1g; L. Godart in Betancourt et al., *Meletemata I* 299–302.



15/AE 1812

Steatite, olive green with a red-brown patch

Disc

Ø 1.5, Th. 0.3–0.4, Perf. 0.18

About one fifth missing, and edge chipped. Surface worn.

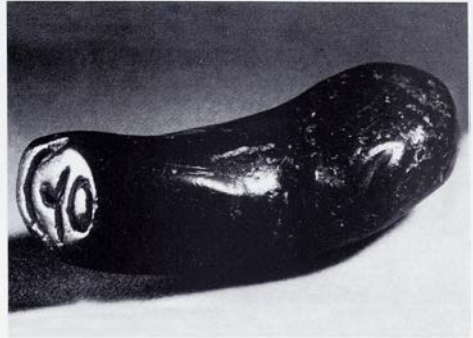
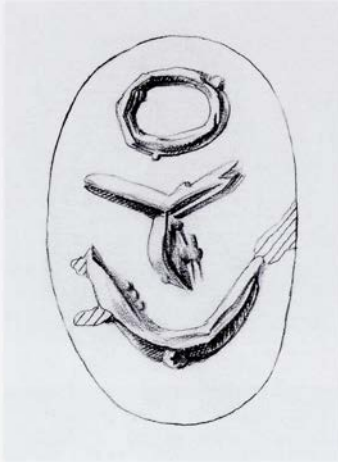
?Crete (Acc. Reg.).

a) An S spiral with thickened ends between two broad cuts.

b) Two parallel notched lines with a chevron at each side.

Comparanda: Motif a: cf. CMS II,1 Nos. 42, 206; III,1 Nos. 57, 66; XIII No. 2.

Bibliography: Kenna, CS 100 no. 89, pl. 5, 31; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; I. Pini in Pepragmena 4, A'2, 425–35 passim no. 6; Yule, ECS 48 (10a Discs, soft stone), 154 (Index: Dentate bands 1), 209 (Border/Leaf); P. Yule, BSA 78, 1983, 363 n. 12; Younger, Middle Phase 39, 71, 145.



16/1910.225

Steatite, light olive green

Stamp of irregular, slightly curving 'finger' shape, oval base. Unperforated

Face 1.6×1.0 , L. 4.0

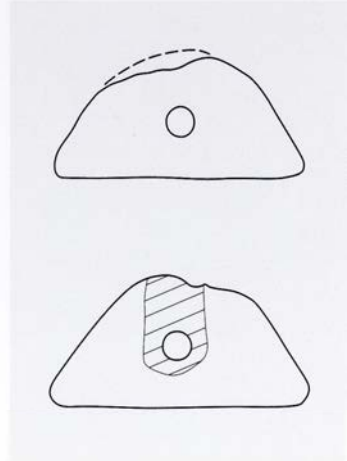
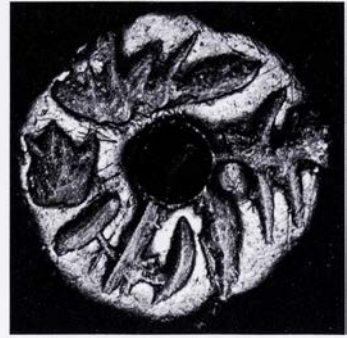
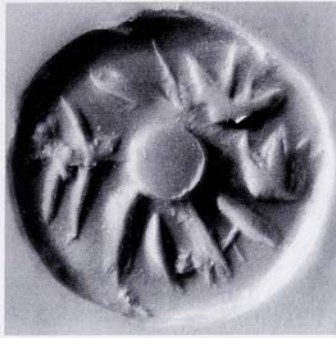
Somewhat worn

Kalamávka acropolis [17]. Acquired by Evans 1896.

Bibliography: Evans, *AJA* 11, 1896, 451; idem, *JHS* 17, 1897, 349, fig. 22, 384 tab. III; Evans, *SMI* 152 P14, pl. I, 135; Stawell, *CCS* 98; Kenna, *CS* 105 no. 123, pl. 6, 30 n. 3; idem, *BCH* 92, 1968, 148 n. 7; idem, *Nestor* 3, 1973, 829; Boardman, *IG* 143 n. 1; Davis, *Decipherment* 150 f., fig. 90; H. Hughes-Brock in *Karetsou, Κρήτη - Αίγυπτος* 120, fig. 2; Brown - Bennett, *Travels* 444 f. no. 256.

Hoop, Y and crescent.

Commentary: Unique and hard to date. Oval face and sign-like devices might suggest a Minoan's attempt to imitate an Egyptian cartouche. Cf. W. M. F. Petrie, *Scarabs and Cylinders with Names* (1917) pls. XXIII: 6, XXIV:6 (XVIIth Dynasty, Amenhotep I).



17/1938.781

Steatite, black

Conoid with vertical perf. and a smaller horizontal perf. near the base.

Ø 1.7, H. 0.75, Perf. vertical 0.43, lateral 0.25

Top third broken away

?Crete (Acc. Reg).

Bibliography: Kenna, CS 91 no. 27, pl. 2, 72, 20 n. 3; idem, AA 1964, 921 n. 41; idem, Nestor 3, 1973, 829; Boardman, IG 143 n. 1; E. Grumach, Bibliographie der Kretisch-Mykenischen Epigraphik (1963) 60 no. 15; idem in U. Hausmann (ed.), Allgemeine Grundlagen der Archäologie (1969) 253 n. 3; H.-G. Buchholz, OLZ 61, 1966, 124 n. 4; Yule, ECS 43 (6g Conoids, miscellaneous), 211 (Ladder and Spiral). On manufacture: Evely, Crafts 150, pl. 33:3.

Irregular linear cuts, most of them avoiding the centre hole except for one line and branch motif.

Commentary: Resembles a LBA conulus (see S. Iakovidis, BSA 72, 1977, 113–9). Possibly adapted as such from an early conoid seal (although the perf. of those is nearer the top). Rude marks on base undatable.



18/1941.155a

Steatite, green

Conoid, the base not perfectly round. Perf. at top

Ø 1.4 × 1.2, H. 1.0, Perf. 0.25?

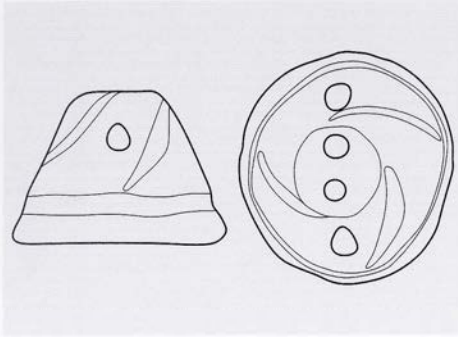
Top broken away at the perf.

'Rude Cretan seal' (label in Evans's hand).

A whorl of three heads and necks, with open mouths or beaks and light manes (cf. 25c).

Comparanda: Shape: cf. CMS V Suppl. 3,2 No. 427.

Bibliography: Kenna, CS 91 no. 26, pl. 2; idem, AA 1964, 921 n. 41; idem, Nestor 3, 1973, 829.



19/1952.50

Serpentine, grey-black with a little green
Conoid with flat top and slightly irregular base.
A groove around body and three oblique
grooves above it. \perp perf.

\varnothing 1.9 \times 2.1, H. 1.4, Perf. at top 0.15, at sides
0.25

Condition good

Central Crete (Evans, JHS 17, 1897, 343).

Acquired by Evans by 1897, bequeathed to
Ashmolean 1941. See Introduction, pp. 7, 14.

Three hook spirals and a leaf, all enclosed in a
hoop.

Comparanda: Shape: cf. CMS V Suppl. 1A Nos. 241, 242.
Motif: cf. CMS II,5 No. 194; V Suppl. 1A No. 242;
Sbonias, Frühkretische Siegel 87–99.

Bibliography: Evans, JHS 17, 1897, 343 f., fig. 14; Kenna,
CS 91 no. 28, pl. 2, 72 n. 1; idem, AA 1964, 921 n. 41;
idem, Nestor 3, 1973, 829; Yule, ECS 39 (6a Conoids,
torsionally fluted), 160 (Index: J-hooks and J-spirals 7),
211 (Ladder and Spiral); P. Yule, BSA 78, 1983, 160
n. 3.



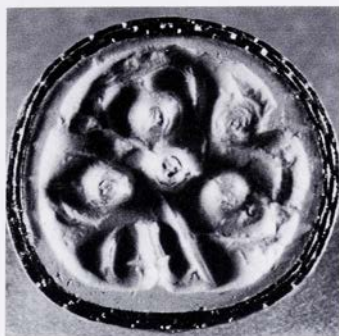
20/1938.780

Steatite, mottled black and grey-green
Cone of oval section, pierced near the top
Ø 1.7 × 1.46, H. 1.2, Perf. 0.28
Top broken off through the perf.
?Crete (Acc. Reg.).

Two animal heads, frontal, with muzzles pointing towards the centre: probably goats, because horns notched. At the sides a small horned head(?) and a chevron.

Comparanda: Subject, goats: Goodison, DWS 52–54.

Bibliography: Kenna, CS 92 no. 33, pl. 2, 20 n. 3; idem, AA 1964, 921 n. 41; (idem, Archaeology 19, 1966, 249, fig. 1); idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; (J. A. Sakellarakis, PZ 45, 1970, 190 n. 402); Yule, ECS 43 (6g Conoids, miscellaneous), 125 (Index: Bulls 1); E. Giannouli in Pefragmena 8, A'1, 245.



21/1925.55

Steatite, green-brown with some dark mottling, rather shiny

Conoid with flat top. Lightly incised oblique lines around the body. \perp perf.

\varnothing 1.1, H. 1.4, Perf. 1.8

One side of perf. broken away at the apex.

Procured in Athens by A. M. Woodward.

Bought from him.

Five blobs with hooks and lines attached, resembling a pattern of animal heads.

Comparanda: Shape: cf. CMS II,1 No. 489. Motif: cf. CMS III,1 No. 47.

Bibliography: Kenna, CS 91 no. 25, pl. 2, 20 n. 3, 72 n. 1; idem, AA 1964, 921 n. 41; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; (J. A. Sakellarakis, PZ 45, 1970, 190 n. 408); Yule, ECS 40 (6b Conoids, torsionally fluted), 107 nn. 46, 49 (Malia Workshop Subgroup); E. Giannouli in Pepragmena 8, A'1, 245.



22/1890.99

Steatite (?), grey-black

Stamp with flat loop handle. Body almost cylindrical, widening slightly towards the face, with vertical lines incised, some of which are oblique.

Ø of face 2.6, H. 2.4, Perf. 0.33

Condition good

?Markopoulo 'Marcosune, Attica', 1878 (Acc. Reg.). Given by the Revd. G. J. Chester. (See Introduction, pp. 5, 13).

Comparanda: Cf. CMS II,1 Nos. 4, 196, 202, 203; II,8,1 No. 23; Yule, ECS 156 (Chip carving); Sbonias, Frühkretische Siegel 79 f.

Bibliography: S. Casson, Some Greek Seals of the 'Geometric' Period, AntJ 7, 1927, 39 f., pl. 5:7; idem, Techniques of Early Greek Sculpture (1933) fig. 17.7; Boardman, IG 143 no. 1; Yule, ECS 29, 84 f. (31g Signets, scalloped, soft stone), 237. H. Hughes-Brock, Classical Review 97, N.S. 33, 1983, 89.

A quartered circle, with a large deep triangular cut (Kerbschnitt) in each quarter. The border is a notched hoop of triangular cuts in alternating directions, each notch corresponding with the 'bays' between the ribs on the side of the seal.

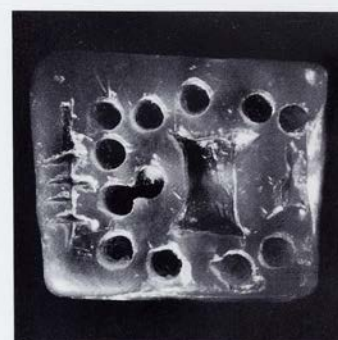
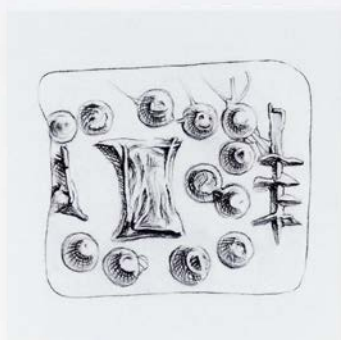
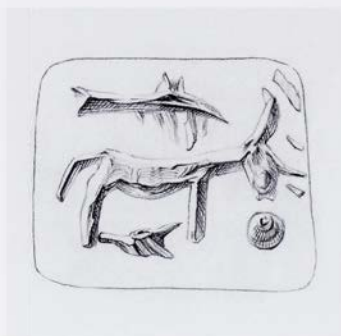


23/1938.778

Steatite, olive green with a dark patch
Cone, once pierced at the top; a later (recent?)
perf. lower down
Ø of face 1.25, H. 2.0, Perf. 0.2
Top with original perf. is broken off
?Crete (Acc. Reg).

Two seated men facing each other.

Bibliography: Kenna, CS 89 no. 16, pl. 1, 72 nn. 3 and 6, 20 n. 3; idem, AA 1964, 921 n. 41; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; Yule, ECS 43 (6g Conoids, miscellaneous), 121 (Index: Men 27); J. G. Younger in CMS Beih. 5, 337 n. 34; Wingerath, Darstellung 23, 31, 169 f. n. 57, 175 n. 108. On manufacture: Evely, Crafts 150, pl. 33:1.



24/AE 1192

Steatite, olive green

Rectangular plate. Scratched double outline at one end

L. 1.65–1.50; W. 1.35–1.40, Th. 0.6–0.5; Perf. 0.23–0.20

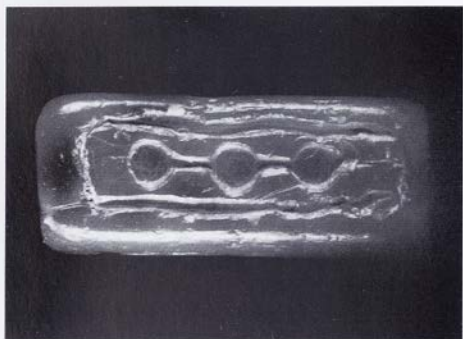
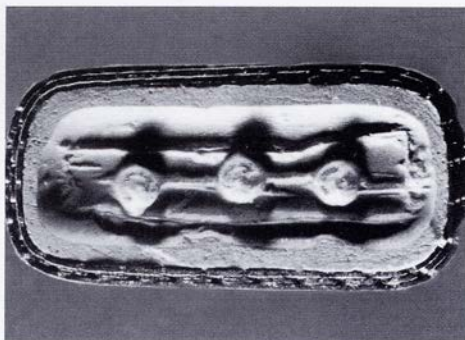
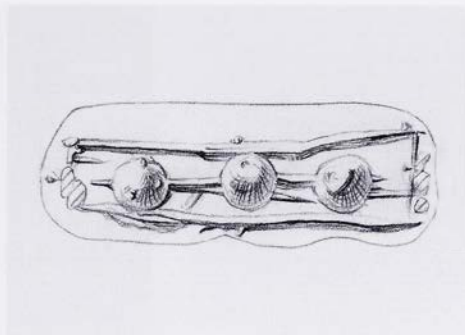
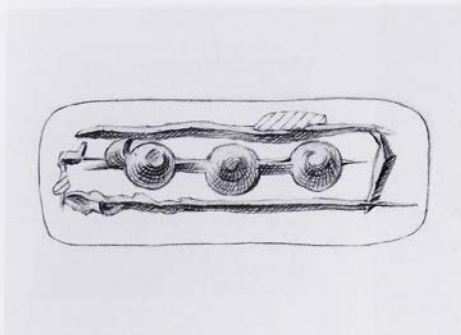
Small chip at edge of side a

Central Crete (Evans, *JHS* 14, 1894, 298).

Acquired by Evans 1894, given in 1895.

a) An animal with a blob before it and an object resembling a fish above it. Beneath it a horned animal head lying on its side (?).

b) An 'ingot' with thirteen blobs around it and a line with four cross-bars.



- c) Three linked blobs within a rectangle.
 d) Same as c.

Comparanda: Subject and composition, a: E. Chrysikopoulou, *AEphem* 138, 1999, 138 n. 68 (comparing 153b).

Bibliography: Evans, *JHS* 14, 1894, 298, fig. 37a–b; Evans, *SM I* 151, P13a–b, pl. I, p. 135; Matz, *Siegel*, 14 no. 144; Stawell *CCS* 98; Kenna, *CS* 95 no. 54, pl. 3, 30 n. 1; idem, *Nestor* 3, 1973, 829; idem in Brice, *Europa* 174;

Boardman, *IG* 121 n. 3, 143 n. 1; Boardman, *GGFR* 389 = 407; Yule, *ECS* 73 (26b Rectangular Plates, soft stone); E. Chrysikopoulou, *AEphem* 138, 1999, 138 n. 68. On manufacture: Evely, *Crafts* 150, pl. 33:2.

- a) E. Giannouli in *Pepragmena* 8, A'1, 245.
 b) S. Reinach, *RevHistRels* 60, 1909, 325 n. 3.



25/1938.763

Steatite, cream with a few dark veins

Rectangular plate

L. 1.4, W. 1.25–1.15, Th. 0.7–0.8, Perf. 0.3

Condition good

Mallia [30]. Ex Coll. R. B. Seager (PM IV 522).

See Introduction, pp. 7 f.

- a) A man carries two goats suspended from a pole over his shoulders.
 b) A fish.



c) Apparently a dog in a contorted reclining position with one foreleg shown beneath it; its tail and one hind leg shown over its head. The neck and body are striated.

d) A man facing left, as though walking, but with feet turned inwards.

Comparanda: Shape: see Introduction, p. 13. Motif, b: cf. CMS III,1 No. 192a; III,1 No. 165b (less close). Subjects: Weingarten, Taweret 13 f., 17 (all); Wingerath, Darstellung 28 f. Subject a, goats: Goodison, DWS 52–54; sacrificial animal cf. CMS III,1 No. 169c?. Subject d: Wingerath, Darstellung 31, 174 f. n. 106 (list of parallels). J. Weingarten, Taweret, 13 f., 17.

Bibliography: PM IV 522 fig. 466; Kenna, CS 92 no. 36, pl. 2, 22 n. 4, 25 n. 4; idem, AA 1964, 921 n. 41; idem, Nestor 3, 1973, 829; Buchholz – Karageorghis, Preh-CrCy 114 no. 1365, fig. 38; Davis, Decipherment 288, fig. 244; Boardman, GGFR 97, pl. 8, 388 = 406; Buchholz et al., ArchHom J, 125 no. 1, 137 no. 6; Yule, ECS 73 (26b Rectangular Plates, soft stone), 121 (Index: Men 42); P. Yule, BSA 78, 1983, 360 n. 3; R. Jung, PZ 72, 1997, 173, fig. 25, 6; Weingarten, Taweret 13 f., 17.

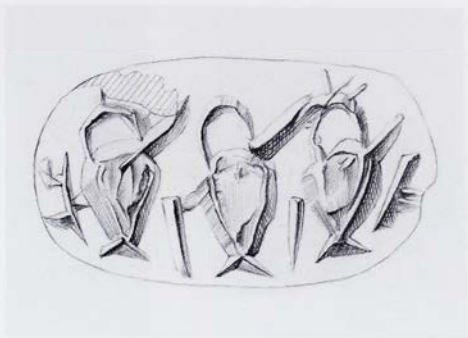
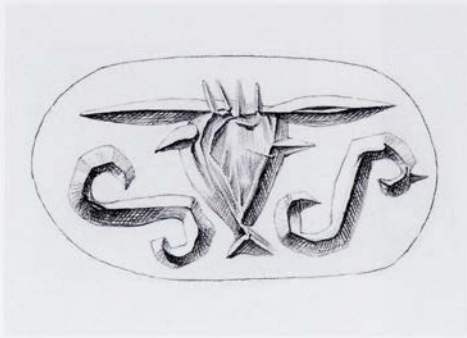


a) K. Branigan, Foundations of Palatial Crete (1970) 70, fig. 14, 112 n. 1; I. Pini, CMS XI, xxiv n. 46; Wingerath, Darstellung 23, 28, 269 f. n. 57, fig. 10; Vanschoonwinkel, Les animaux 389 no. 225.

b) Yule, ECS 136 (Index: Fish 2); Wingerath, Darstellung 27.

c) Yule, ECS 175 (Index: Abstracted....motifs 1); Wingerath, Darstellung 28, 172 n. 88.

d) Yule, ECS 121 (Index: Men 19); Wingerath, Darstellung 27.



26/1938.774

Steatite, black and brown with some green mottling

Three-sided prism

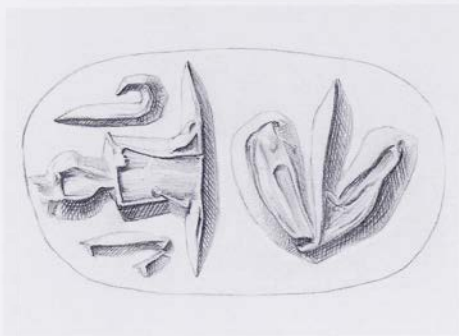
L. 2.05, W. 1.15, 1.15, 1.20, Perf. 0.3

Condition good

Siteia (probably Eparchy, not town), procured by Evans from I. G. Mitsotakis 1894. From uncertain locality (Evans, JHS 14, 1894, 290).

a) A frontal bull's head with forehead hair marked, an S at each side.

b) Three spouted jars, lines between them and a notched line at each end.



c) Hieroglyphic signs.

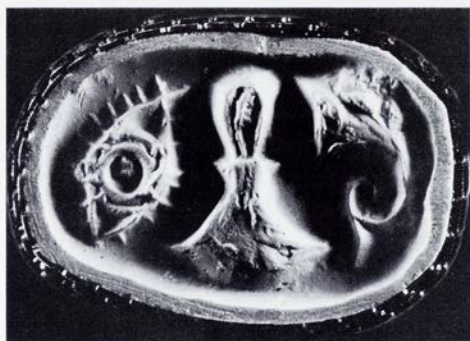
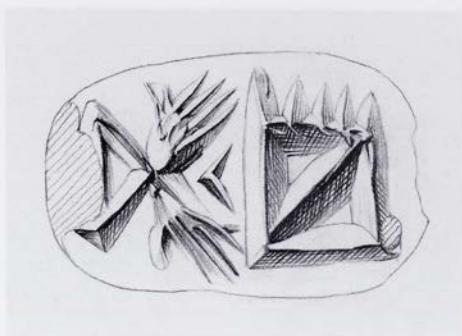
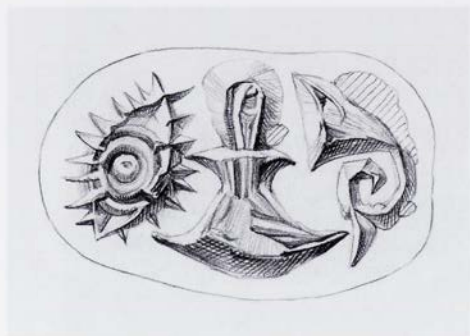
Comparanda: Composition, a: see at 37. Style: see E. Thomas in CMS Beih. 6, 305 f. n. 2.

Bibliography: Evans, JHS 14, 1894, 290, fig. 21a–c, 301 f., 325 f.; Evans, SM I 150 P5a–c, 200, pl. I; Stawell, CCS 97; (F. Chapouthier in *Mélanges Glotz* 193 n. 3, 196 n. 1); Kenna, CS 101 no. 97, pl. 5, 31; idem, *Kadmos* 1, 1962, 8; idem in Brice, *Europa* 174; idem, *Nestor* 3, 1973, 829; E. Grumach, *BullJ RylandsLib* 46/2, 1964, 347, 352 f., 367 f., 376, 380, fig. 3:1b; Boardman, *GGFR* 389 = 407; (J. A. Sakellarakis, *PZ* 45, 1970, 189 n. 398); P. Meriggi, *Kadmos* 12, 1973, 115, 118, 126, pl. IV; Younger, *Middle Phase* 25, 48, 58, 98, 106 f., 109 f., 114, 117, 133, 143, 146; Olivier – Godart, *CHIC* no. 213; E. Thomas in CMS Beih. 6, 305 f. n. 2; Brown – Bennett, *Travels* 190 f., 432 f. no. 199.

a) R. Zahn, *AA* 1901, 22; J. J. Reich, *AttiCongMic* I, i. 459; Yule, *ECS* 124 f. (Index: Bulls 2); Onassoglou, *DtS* 125 n. 725.

b) (Sakellariou, *CollGiam* 11); Yule, *ECS* 167 (Index: Vessels 2).

c) *PM* I 196, fig. 143b; V. E. G. Kenna, *Kadmos* 1, 1962, 8; E. Grumach in *Minoica* 190, pl. 2; (N. Platon in *AntCret* 13 n. 5); Yule, *ECS* 172 (Index: Miscellaneous motifs 7); J. G. Younger, *Minos* 31–32, 1996–97, 391 n. 48.



27/AE 1771

Steatite, olive green with darker mottling

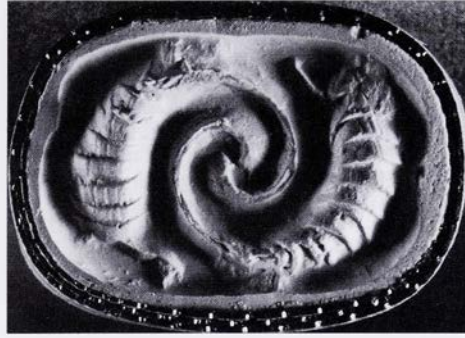
Three-sided prism

L. 1.6, W. 1.1 all sides, Perf. 0.4

Perf. chipped at one end

Kritsá [21] (Evans, SM I 150).

a) and b) Hieroglyphic signs.



c) An S-spiral terminating in broad hatched leaves with spike ends.

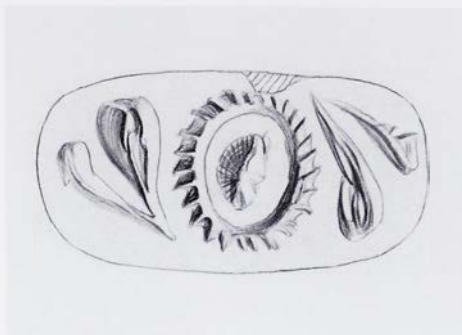
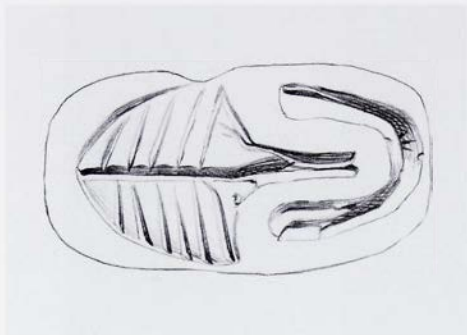
Comparanda: Style: see E. Thomas in CMS Beih. 6, 305 f. n. 2.

Bibliography: Evans, SM I 150, P7a–c, pl. I; PM I 196, fig. 143c, d; F. M. Stawell, AJA 28, 1924, 133, pl. 6 P7a; Stawell, CCS 29 fig. 3, 36, 86 f., 97; Kenna, CS 101 no. 98, pl. 5; idem Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829; E. Grumach, BullJ RylandsLib 46/2, 1964, 347, 353, 376, 380, fig. 2:IIe; Davis, Decipherment 139, fig. 78; Boardman, GGFR 30 f., 97, 374, 389 = 407, pl. 10, colour p. 29:2; Yule, ECS 223 n. 30; Younger, Middle Phase 30, 48, 69, 92, 99, 105, 107, 109, 111, 114, 117, 144; Olivier – Godart, CHIC no. 246; E. Thomas in CMS Beih. 6, 305 f. n. 2.

a) L. Deroy, Minos 3, 1954, 20 f., fig. 1; E. Grumach in Minoica 190, pl. 2; Yule, ECS 172 (Index: Miscellaneous motifs 7).

b) Pendlebury, AC 119, fig. 19:4.

c) C. Davaras, Kadmos 12, 1973, 112; Yule, ECS 162 (Index: Zweipässe 3).



28/1938.797

Steatite, grey-green

Three-sided prism

L. 1.55, W. 0.8 all sides, Perf. 0.3

Condition good

?Crete (Acc. Reg).

- a) A palm leaf springing from a U: Hieroglyphic.
 b) Two pairs of leaves; between them a notched hoop enclosing a cut: Hieroglyphic.



c) Hieroglyphic signs.

Commentary: The motifs are so unusual that the stone has been doubted (cf. **Add. 2**), but they can be seen as a genuine Hieroglyphic inscription. See Olivier – Godart, CHIC 257.

Bibliography: Kenna, CS 102 no. 101, pl. 5, 33 n. 3; idem, Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; J.-P. Olivier in Palaima, ASSA 17 nn. 27, 28; Younger, Middle Phase 41, 48, 91, 107, 109, 112 f., 118, 138, 140, 146; Olivier – Godart, CHIC no. 259; J. G. Younger, Minos 31–32, 1996–97, 399.

a) J.-P. Olivier in CMS Beih. 5, 177, fig. 5; Yule, ECS 141 (Index: Leaves 29).



29/1938.748

Steatite, white

Three-sided prism. A line border at each end.

L. 1.4, W. 1.3 all sides, Perf. 0.28

A quarter of side c is worn away

?Crete (Acc. Reg).

a) A seated man holding a spouted jar. Notched lines before and behind him.

b) Hieroglyphic signs.



c) The frontal head of a bull with an inverted T above and a star beside it, in a hatched border.

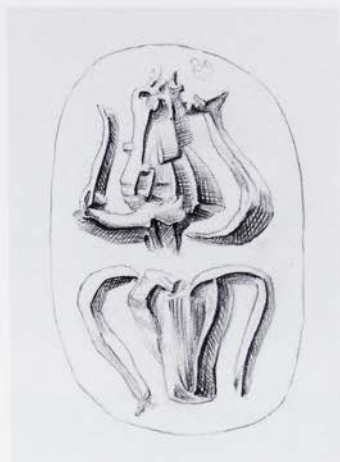
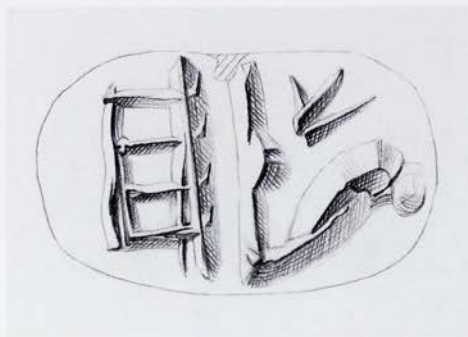
Comparanda: Motif and subject, a: Wingerath, Darstellung 23–25.

Bibliography: Kenna, CS 98 no. 73, pl. 4, 33; idem, Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829, E. Grumach in Pepragmena 2, A', 295 f. n. 5; Boardman, GGFR 389 = 407; Olivier – Godart, CHIC no. 215.

a) Wingerath, Darstellung 23–25, 269 f. n. 57.

b) J. G. Younger, Minos 31–32, 1996–97, 391 n. 48.

c) (E. Grumach, Kadmos 6, 1967, 10 n. 12); Yule, ECS 154 (Index: Ladder ornament 4); Onassoglou, DtS 125 n. 728.



30/1910.232

Steatite, olive green with a cream patch and dark veins (cf. 44, 65, 68, 87)

Three-sided prism

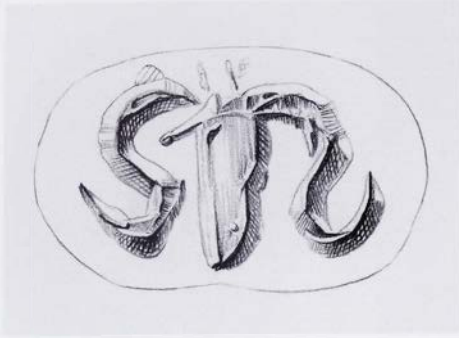
L. 1.7, W. 1.03, 1.05, 1.03, Perf. 0.25

Condition good

Crete (Acc. Reg.).

a) Hieroglyphic signs.

b) Two frontal heads of sheep, one inverted.



c) The frontal head of a sheep with long curling horns.

Commentary: The combination of Hieroglyphic signs with two different animal heads is noteworthy.

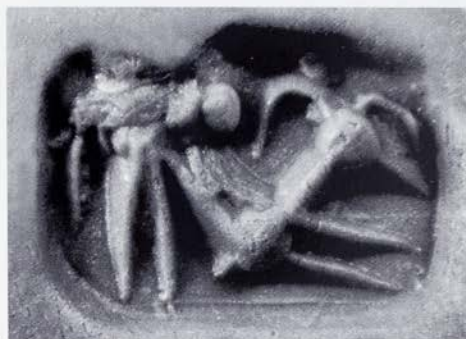
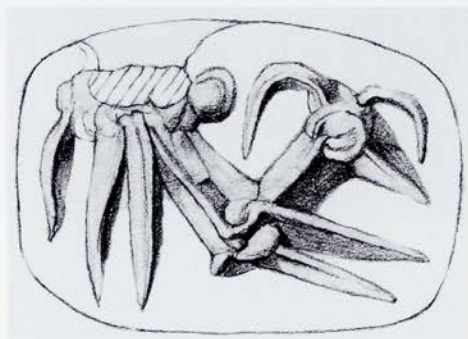
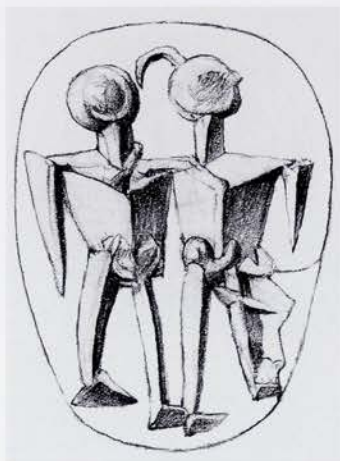
Comparanda: Motif, composition b: cf. 78c, 207c; CMS III,1 No. 205a; V Suppl. 3,2 No. 356c.

Bibliography: Evans, SM I 150 P7*a-c; Stawell, CCS 97; Kenna, CS 98 no. 72, pl. 4, 33 n. 3; idem, Nestor 3,

1973, 829; Boardman, GGFR 389 = 407; (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398); P. Faure, Kadmos 14, 1975, 1; Onassoglou, DtS 107 n. 620; Younger, Middle Phase 48, 106, 109, 111 f; Olivier – Godart, CHIC no. 212.

b) J. Weingarten in L'Iconographie minoenne 172; Yule, ECS 125 (Index: Bulls 1).

c) C. Davaras, AEphem 1986, 27 n. 87; idem, CretSt 1, 1988, 51; Yule, ECS 125 (Index: Bulls 1).



31/1938.747

Steatite, dark grey

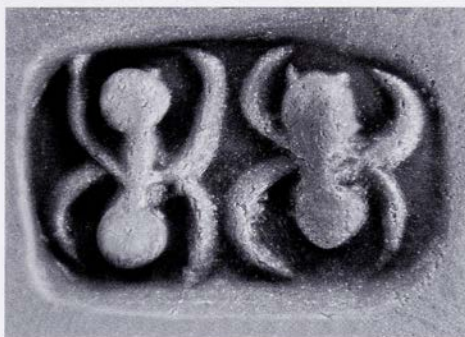
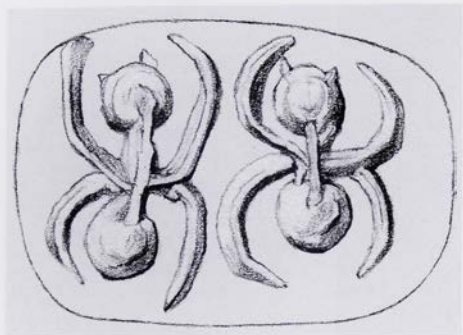
Three-sided prism. A shallow scratched border at each end.

Ø 1.45, W. 1.13, 1.05, 1.1, Perf. 0.25

One edge and corner of sides a and b chipped.

Crete (Acc. Reg).

- a) Two men standing side by side.
 b) A goat with splaying horns, its shoulders lowered and forelegs outstretched.



c) Two spiders side by side.

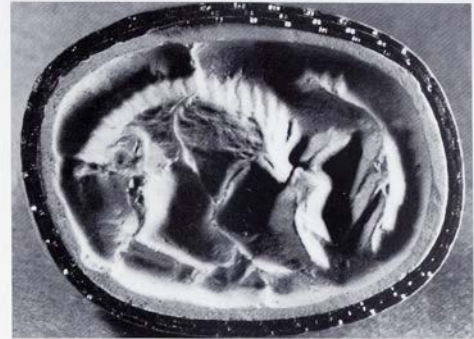
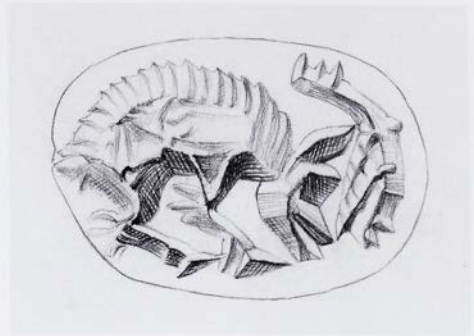
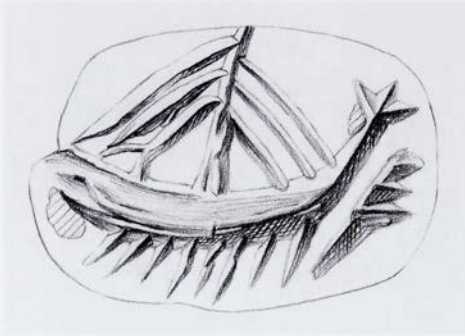
Commentary: The hard, sharp cuts and the angular shoulders and torsos of the men have raised doubts but are probably due to the tool or the way it was used. The work is not obviously modern (D. Evely pers. comm. after autopsy).

Comparanda: a) cf. CMS II,2 No. 182a; Wingerath, Darstellung 32.

b) goat's splayed horns cf. CMS II,2 Nos. 163a, 318.

c) cf. e.g. 56b, 58b, 69, CMS II,2 Nos. 124a, 176b, 198a; II,6 No. 192; III,1 No. 160c; VII Nos. 8c, 11a. See Yule, ECS 134 f., 'Spiders'.

Bibliography: Kenna, CS 154; H. Hughes-Brock in CMS Beih. 6, 109 f., figs. 1a-c.

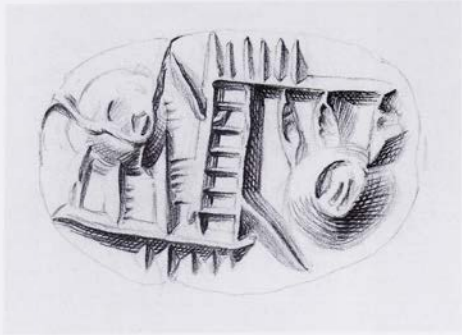


32/1938.761

Steatite, ivory-coloured with a grey patch
 Three-sided prism. A line border at each end.
 L. 1.7, W. 1.2 all sides, Perf. 0.3
 Chipped near perf. on side a
 'Mallia' [30] (Kenna, CS at no. 49, not citing
 source; *ibid.* 22 n. 10 a cause of confusion??).

a) A ship with blunt bows, a high trefoil stern, one
 mast and six stays. Eight oars are shown and behind
 it a line with two barbs (Kenna and Czernohaus
 suggest a dolphin).

b) A boar with muzzle to ground; the back mane is
 marked. Before it a bird.



c) A Z pattern; the upper and lower arms are notched and have vessels attached to them; the central line is double, with hatching.

Comparanda: Subject, a: Goodison, DWS 34–36. Motif, b: cf. 80c, CMS III,1 No. 54a; also 61b, 81b. Subject, c, an allusion to weaving (?): see at 36. Style: see E. Thomas in CMS Beih. 6, 305 f. n. 2.

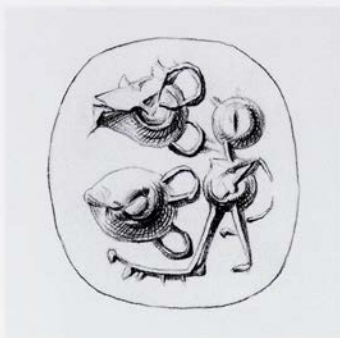
Bibliography: Kenna, CS 94 no. 49, pl. 3, 21 f. n. 9, 87, 110; idem, AAA 4, 1971, 124, 130 f., fig. 1:8a-c; idem, Nestor 3, 1973 829; (J. J. Reich, JHS 86, 1966, 160); Boardman, GGFR 30 f., 97, 389 = 407, pl. 11; E. Thomas in CMS Beih. 6, 305 f. n. 2; Bakermat 6 f. fig.5, 29 no. 16.

a) Gray, ArchHom G, 15 no. A9, 40, fig. 6c; Hutchinson, PC 93 f., fig. 15; Casson, Ships 33, fig. 36; J. H.

Betts in D. J. Blackman (ed.), Marine Archaeology (Colston Papers 23, 1973) 327, fig. 3; (Papapostolou, Sphragismata, 119); Yule, ECS 166 (Index: Ships and boats 3); A. Raban, AJA 88, 1984, 12 ill. 2c; Onassoglou, DtS 33 n. 201; Czernohaus, Delphindarstellungen cat. no. 4, text pp. 5 f., pl. IV:1; H. S. Georgiou in Laffineur – Basch, Thalassa 63 n. 11; M. Wedde in Tropis 3, 492, 505, fig. 6f.; Basch, Musée imaginaire 102, fig. 2D; H. S. Georgiou in Tropis 4, 222 n. 10; G. Giorgianni in La Rosa et al., 'Επί Πόντον Πλαζόμενοι 334 no. 76; Wedde, Ship Imagery 332 no. 705; Andreev 96, fig. 22:2; I. Vourexaki in Tropis 7, II, 802, 820, fig. 10a; C. Davaras in J. S. Soles – C. Davaras, Mochlos 1C: Period III – Neopalatial Settlement (2004) 9.

b) (Yule, ECS 127 (Index: Boars 3); Yule, SMEA 26, 1987, 171 n. 63; Ruuskanen, Birds 39 n. 3.

c) Press, Architektura 92 n. 21.



33/AE 1220

Steatite, black-green

Three-sided prism. A line border at each end.

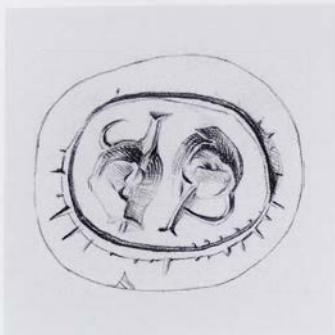
L. 1.35, W. 1.15 all sides, Perf. 0.25

Condition good

'Uncertain locality' (Evans, JHS 14, 1894, 339).

a) A man before two two-handled jars on their sides. A notched line below.

b) A man seated before a spouted jar.



c) Two spouted jars, one inverted, in a rayed hoop.
Drill used for man's head and body and on vessels.

Comparanda: Motif, a: cf. Evans, JHS 17, 1897, pl. IX:3; Brown – Bennett, Travels 446 no. 269. Motif, c: cf. CMS III,1 No. 157c.

Bibliography: Evans, JHS 14, 1894, 339, fig. 58a–c; Evans, SM I 132, fig. 72a–c; Matz, Siegel, pl. 17:3a–c; Kenna, CS 94 no. 48, pl. 3, 22 n. 7; idem, Nestor 3, 1973, 829; Davis, Decipherment 288, fig. 244; Boardman, GGFR 389 = 407.

a) (F. Chapouthier in *Mélanges Glotz* 193 n. 5); Sakelariou, *CollGiam* 13; J. G. Younger in *Rehak, The Role of the Ruler* 169 no. 101 (description belongs to no. 100); Otto, *König Minos* 163, 165, fig. 55a; Cultraro, *L'anello di Minosse* 218, pl. 21.

b) Yule, ECS 120 f. (Index: Men 25).

c) (Milani, *Studi* 2, 201); E. Grumach in *Pepragmena* 2, A', 296; Otto, *König Minos* 163, 165, fig. 55f; Cultraro, *L'anello di Minosse* 218, pl. 21.



34/1938.746

Steatite, mottled dark grey

Three-sided prism. A line border at each end

L. 1.3, W. 1.25, 1.25, 1.3, Perf. 3.5

Condition good

Kastéli Pedhiádhas [34] (PM I 124).

a) Two figures in long dresses facing each other and bending forward at the waist: probably women dancing. Between them a small whorl of seven hooks.

b) A man seated on the ground. His hair is carefully marked. He raises a hand towards a two-handled pot above which rises a hatched semi-circle (taken by Evans to be a kiln, by Yule to be a potter's wheel).



c) A man standing and touching two of the three jugs shown on their sides before him.

Comparanda: Motifs and subjects: Goodison, DWS 16–18, 39–42, 73, 79, 128, figs. 25a, 64a, 69, 277d; L. Goodison – S. Morris in Goodison – Morris, *Ancient Goddesses* 120–3, fig. 53a; cf. L. Goodison in Laffineur – Hägg, *Potnia* 78, pl. XVIIIa; Wingerath, *Darstellung* 24–6, 32. Side a: cf. E. Sapouna-Sakellaraki, *Ergon* 1986, 138 fig. 120 = H. W. Catling, *AREpLond* 33, 1986–87, 53, fig. 92 = C. Davaras, *AEphem* 1986, 28–31. Side b: cf. CMS II,2 No. 237a.

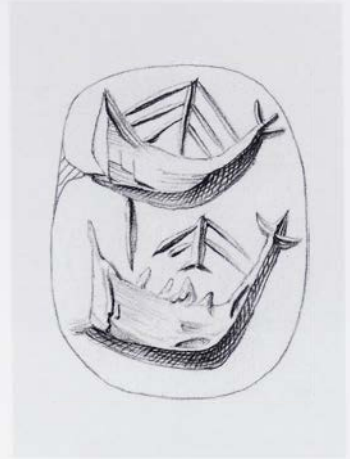
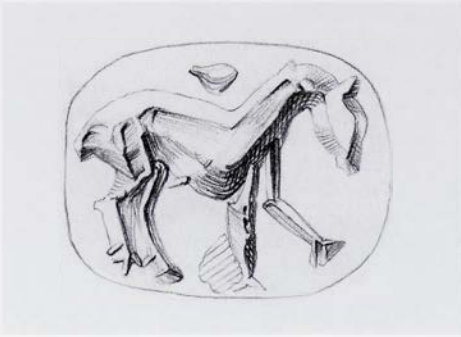
Bibliography: PM I 124, fig. 93Ab 1–3; E. Cahen, *RÉG* 38, 1925, 6, 9, figs. 11–13; Matz, *Siegel* pl. XIX:8a–c, 105 f., 108; P. Demargne, *RA* 1936/2, 88 n. 8; idem, *Crète – Égypte – Asie* (1938) 55 n. 1; idem in *Mélanges Dussaud* 123 n. 3, 124 n. 2; F. Schachermeyr, *Wörter und Sachen* N.F. 2, 1939, 145 f. n. 2; Nilsson, *MMR*² 386; M. A. Zanaldi Baudo, *RendIstLomb* 85, 1952, 184 nos. 2, 3, 185 no. 5; D. Levi, *ASAtene* 19–20, 1957–58, 127; Sakellariou, *CollGiam* 13, 15, 59; Kenna, *CS* 93 no. 39, pl. 2, 22 nn. 7–8, 25 n. 2, 73, 87; idem in *Festschrift Matz* 4; idem, *Nestor* 3, 1973, 829; (Schachermeyr, *MK* 56, 187 f., fig. 108); Davis, *Decipherment* 288, fig. 244; E. Grumach in *Pepragmena* 2, A', 295; Boardman, *GGFR* 26 f., 97, 388 = 406, pl. 6; P. Michaelidis, *SMEA*

32, 1993, 26 f., fig. 9b; J. G. Younger in *CMS Beih.* 5, 336 f. n. 35; Goodison, DWS 16–18, 39–42, 73, 79, 128, figs. 25a, 64a, 69, 277d; Wingerath, *Darstellung* 23–25, 32, 269 n. 55, figs. 2, 3, 15.

a) (F. Schachermeyr, *KretChron* 15–16/1, 1947, 181); Brandt, *Gruß und Gebet* (1965) 17; (Marinatos, *Arch-Hom A*, 26 n. 136); C. Mora, *SMEA* 22, 1980, 301; Yule, *ECS* 120 f. (Index: Men 35); C. Davaras, *AEphem* 1986, 29 f., pl. 5; K. P. Foster in Laffineur – Betancourt, *Tέχνη* 132 n. 34.

b) Hutchinson, *PC* 159; Yule, *ECS* 120 f. (Index: Men 37); J. G. Younger in *Rehak*, *The Role of the Ruler* 169 no. 98, pl. 40c; F. Vandenabeele in *Pepragmena* 4, A'2, 619, 624; B. Burke in Laffineur – Betancourt, *Tέχνη* 419; Otto, *König Minos* 163, 165, fig. 55c; (Younger, *Music* 44 n. 125); Cultraro, *L'anello di Minosse* 218, pl. 21.

c) V. Müller, *JdI* 40, 1925, 87 f., fig. 5; Yule, *ECS* 120 f. (Index: Men 22); Otto, *König Minos* 163, 165, fig. 55e; (Younger, *Music* 44 n. 125); Cultraro, *L'anello di Minosse* 218, pl. 21.



35/1938.757

Steatite, whitish

Three-sided prism. A line border at each end.

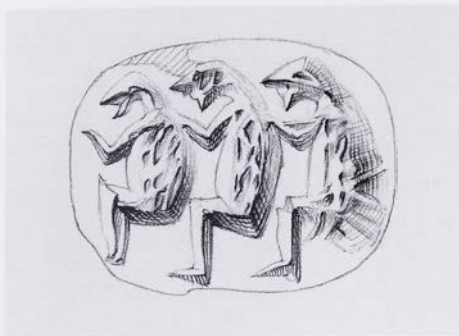
L. 1.4, W. 1.1 all sides, Perf. 0.25–0.33

A small chip at edge of sides b and c

?Crete (Acc. Reg.).

a) A quadruped, apparently equine but the tail seems short.

b) Two ships, with blunt bows, high trefoil sterns, one mast, six stays.



c) Three men seated, their arms raised, perhaps rowers (cf. 74c).

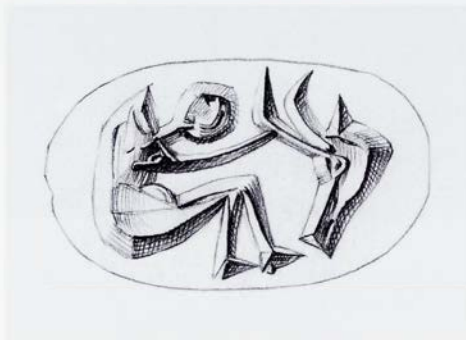
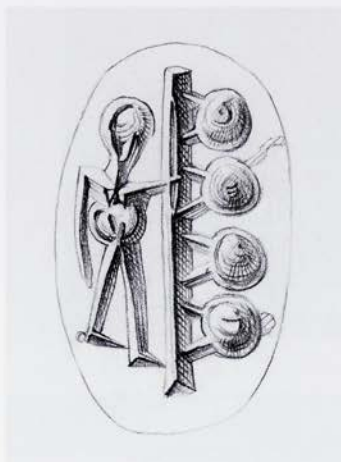
Bibliography: PM I 120 f., fig. 89a–c; Evans, *Early Nilotic* 9 n. 1; PM IV 520, fig. 462a–c; Kenna, CS 94 no. 50, pl. 3, 21 f., 87; idem, *Nestor* 3, 1973, 829; Davis, *Decipherment* 288, fig. 244; Buchholz – Karageorghis, *Preh-CrCy* 114 no. 1366, fig. 38; J. J. Reich, *JHS* 86, 1966, 160; M. S. F. Hood, *JHS* 83, 1963, 197; Hood, *Minoans* 106, 126; C. Davaras, *AEphem* 1984, 68 f. On manufacture: Evely, *Crafts* 154.

a) (C. Picard, *RA* 1964/1, 211); J. J. Reich, *JHS* 86, 1966, 160; Vanschoonwinkel, *Les animaux* 395 no. 324.

b) PM II 240, fig. 136b; V. Müller, *JdI* 40, 1925, 85, fig. 1; S. Marinatos, *BCH* 57, 1933, 175 nos. 29–30, pl. XV; L. Cohen, *AJA* 42, 1938, 486, 489 n. 3; P. Demargne in *Mélanges Dussaud* 122 n. 3; R. J. Buck, *Historia* 11, 1962, 134 nn. 36, 39; C. Laviosa, *ASAtene* 31–32, 1969–70, 17–19, fig. 10, nos. 29, 30; Casson, *Ships* 33, fig. 35; (J. H. Betts in D. J. Blackman (ed.), *Marine*

Archaeology (Colston Papers 23, 1973) 327; Gray, *ArchHom* G, 15 no. A8, 40, fig. 6c; (Papapostolou, *Sphragismata* 119); Yule, *ECS* 166 (Index: Ships and boats 4); A. Raban, *AJA* 88, 1984, 12 ill. 2c; Onasoglou, *DtS* 33 n. 201; Basch, *Musée imaginaire* 99, fig. B3; H. S. Georgiou in *Laffineur – Basch, Thalassa* 63 n. 11; C. Marangou in *Tropis* 2, 260–2, fig. 4a (ship); M. Wedde in *Tropis* 3, 1995, 492, 497 n. 15, 505, fig. 6d, e; H. S. Georgiou in *Tropis* 4, 222 n. 10; Wachsmann, *Seagoing Ships* 100 f., fig. 6.92B, 103, 109; G. Giorgianni in *La Rosa et al., 'Επί Πόντον Πλαζόμενοι* 334 no. 77 R2; Wedde, *Ship Imagery* 332 nos. 703, 704; McGrail, *Boats of the World* 112 f.; I. Vourexaki in *Tropis* 7, II, 802, 819, fig. 8b.

c) Yule, *ECS* 121 (Index: Men 26); C. Marangou in *Tropis* 2, 260–2, fig. 4b (3 men); Basch, *Musée imaginaire* 105, fig. F16; Wedde, *Ship Imagery* 332 no. 710.



36/1938.749

Steatite, surface very dark, interior olive green

Three-sided prism. A line border at each end.

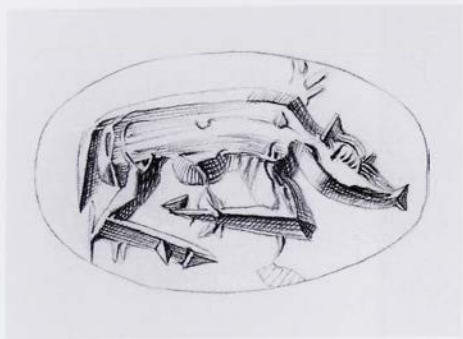
L. 1.7, W. 1.0 all sides, Perf. 0.25

Condition good

?Crete (Acc. Reg.).

a) A man touching an upright pole to which four vessels (drilled) are attached.

b) A seated man holding the horn of a goat's head.



c) A reclining quadruped, probably a boar (see *Comparanda*).

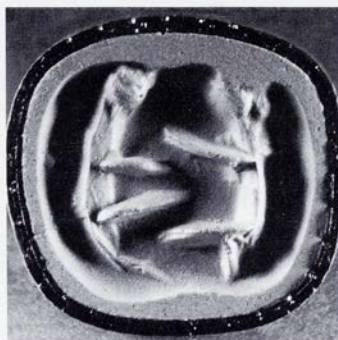
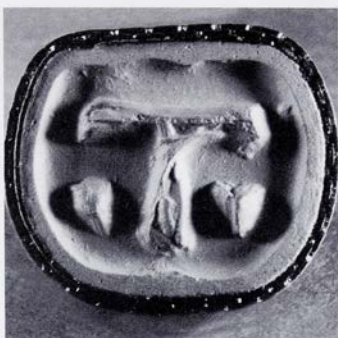
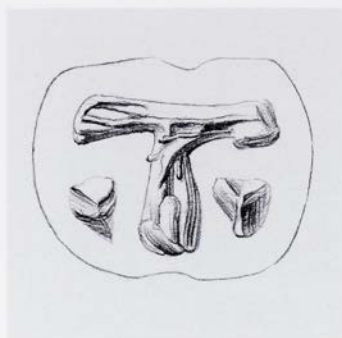
Comparanda: Motif, a: 51c, 59a, 71a, also 60a, 70c; CMS V Suppl. 3,1 No. 21b; also CMS III,1 No. 204c (related?). Motif, b: CMS II,2 No. 179a (close); II,2 Nos. 158c, 164c; Evans, JHS 17, 1897 pl. IX:3a (= Brown – Bennett, Travels no. 269). Motif, c: Poursat, Quartier Mu III 105, pl. 63 (HM 2663; close). Subjects: Weingarten, Taweret 13 f., 17 (all); Goodison, DWS 39–44 (a, vessels), 52–54 (b, goat); L. Goodison – S. Morris in Goodison – Morris, Ancient Goddesses 120 f. Subject, a, possibly loomweights: see B. Burke in Laffineur – Betancourt, Τέχνη 8 f. and cf. 68c, 73a, also 32c(?). Subject, b: cf. 60b, CMS III,1 No. 213c. Style: J.-C. Poursat – E. Papatsaroucha in CMS Beih. 6, 262 f.

Bibliography: Kenna, CS 95 no. 51, pl. 3, 21 f. n. 6, 87; idem, Nestor 3, 1973, 829; Boardman, GGFR 30 f., 97, 389 = 407, pl. 9; Weingarten, Taweret 13 f., 17; L. Goodison – S. Morris in Goodison – Morris, Ancient Goddesses 120 f., fig. 53b. On manufacture: Evely, Crafts 149 f., pls. 34:4, 35:5, 7.

a) Yule, ECS 121 (Index: Men 22).

b) V. E. G. Kenna, Kadmos 2, 1963, 4 n. 9; Yule, ECS 121 (Index: Men 25), 123 (Index: Goats 1).

c) Yule, ECS 124 f. (Index: Bulls 10); Vanschoonwinkel, Les animaux 387 no. 206.



37/1910.229

Steatite, black

Three-sided prism

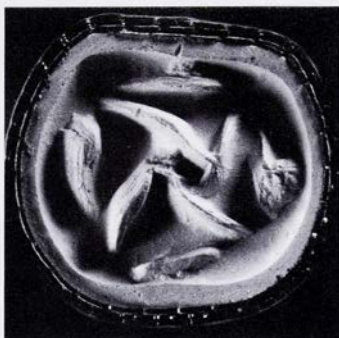
L. 1.2, W. 1.05, 1.05, 1.0, Perf. 0.2

Edges slightly chipped

Goulàs (Lato) [22].

a) Summary frontal head of a bull. A triangular cut to each side of it.

b) Two animals, one inverted.

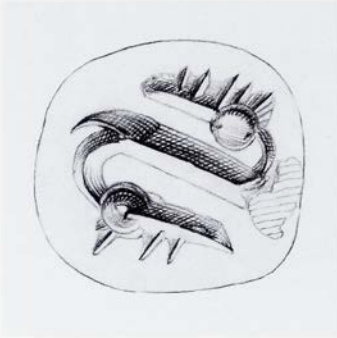


c) A whorl of four hooks with four lines beside it.

Comparanda: Composition, a: cf. **26a**, **52c**, **64a**; CMS II,2 No. 150b; III,1 Nos. 193b, 199b, 207b. Subject, c: Goodison, DWS 72–75.

Bibliography: Kenna, CS 95 no. 52, pl. 3; idem, Nestor 3, 1973; Boardman, GGFR 389 = 407; Brown – Bennett, Travels 466 f. no. 357. On manufacture: Evely, Crafts 154.

a) Yule, ECS 125 (Index: Bulls 2); E. Giannouli in Pepragmena 8, A'1, 245.



38/AE 1217

Steatite, yellowish (not unlike 87)

Three-sided prism

L. 1.2, W. 1.1, all sides, Perf. 0.2

Small chip at perf.

Crete. Acquired by Evans 1894, given in 1895.

- a) The frontal head of a sheep with a line beneath.
 b) A Z pattern made from the foreparts of two animals with eye marked, notched muzzles and hook legs.



c) A man standing or walking. Drill used for head.

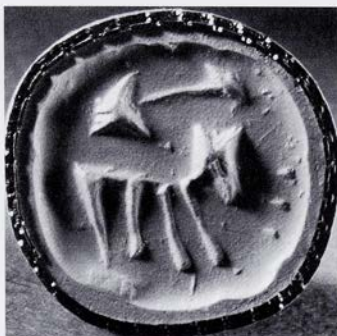
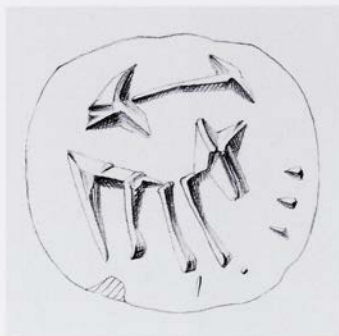
Comparanda: Motif, a: cf. CMS III,1 No. 156b. Motif, b: cf. III,1 Nos. 112, 155a, 187a. Subject, c: **66a**; Wingerath, *Darstellung* 31, 174 f. n. 106 (list of parallels); Poursat, *Quartier Mu* 104, pl. 58 (HM 2522), 105, pl. 65 (HM 3020); CMS III,1 No. 204a.

Bibliography: Evans, *JHS* 14, 1894, 341, fig. 63a–c; Hall, *AegA* 214 f., fig. 89; Matz, *Siegel* pl. XVIII:5a–c; Kenna, *CS* 94 no. 53 pl. 3; idem, *Nestor* 3, 1973, 829; Boardman, *GGFR* 389 = 407; Brown – Bennett, *Travels* 440 f. no. 242. On manufacture: Evely, *Crafts* 154 f.

a) C. Davaras, *AEphem* 1986, 27 n. 87; idem, *CretSt* 1, 1988, 51; (J. A. Sakellarakis, *PZ* 45, 1970, 189 n. 398); Yule, *ECS* 125 (Index: Bulls 1); E. Giannouli in *Pepragmena* 8, A'1, 245.

b) R. Zahn, *AA* 1901, 23 n. 10; A. Xenaki, *KretChron* 3, 1949, 81 n. 21; (D. Levi, *ASAtene* 19–20, 1957–58, 139 n. 1); Yule, *ECS* 175 (Index: Abstracted....motifs 4).

c) Brandt, *Gruß und Gebet* 17; Yule, *ECS* 121 (Index: Men 19).



39/1890.106

Steatite, black

Three-sided prism. A line border at each end.

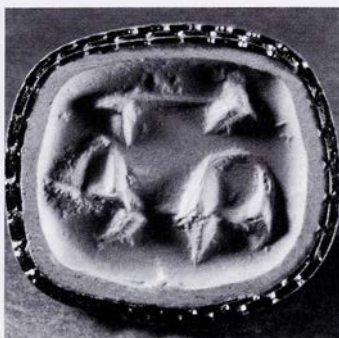
L. 1.4, W. 1.3, 1.2, 1.05, Perf. 0.25–0.3

Small chip on one edge

'Coast of Syria'. Given by the Revd. G. J. Chester. See Introduction, p. 5.

a) A goat with an arrow-shaped device above it and notches before it.

b) Quartered, with fan-shaped cuttings in each segment.



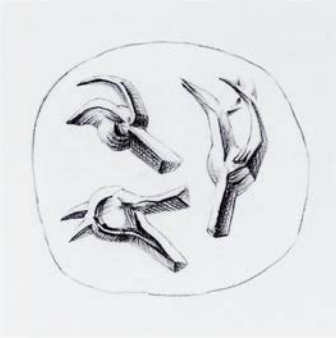
c) An arrow-shaped device above a linear pattern of two loops and lines. (Kenna suggests that the arrow-shaped device on a and c might be a plough, with a yoke on c.)

Comparanda: Motif, a: cf. stylised animal on CMS V Suppl. 3,2 No. 317. Subject, a: see Goodison, DWS 52–54. Motif, b: cf. 22. Motif, c, arrow-shaped device: cf. 'Archanes Script' sign.

Bibliography: Evans, JHS 14, 1894, 333; Kenna, CS 96 no. 56, pl. 4, 21, 85; idem, Nestor 3, 1973, 829; I. Pini in Pepragmena 3, 225 n. 9; idem in Pepragmena 4, A'2, 425–435 passim, no. 1, pls. 128–9; (idem in Hägg – Marinatos, Minoan Thalassocracy 124 n. 14); Yule, ECS 57 (14b Gables, soft stone), 182 n. 138, 209 (Border/Leaf); P. Yule, Kadmos 19, 1980, 103 n. 10; idem, BSA 78, 1983, 360 n. 5, 363 n. 12.

a) Yule, ECS 132 (Index: Schematic quadrupeds 13); Lambrou-Phillipson, Hellenorientalia 278.

b) Yule, ECS 156 (Index: V-cuts 2).



40/1941.220

Steatite, grey-green

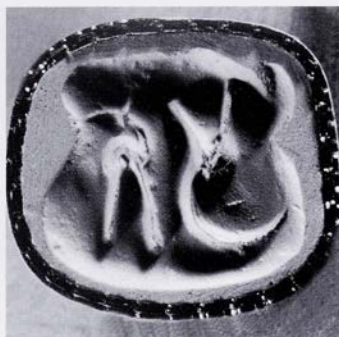
Three-sided prism

L. 1.3, W. 1.2, 1.25, 1.1, Perf. 0.3

Perf. badly worn on one side only, suggesting a fixed position

Crete (Acc. Reg).

- a) Five branches meeting at the centre of the face.
 b) Three animal heads, one with one horn, another with two.

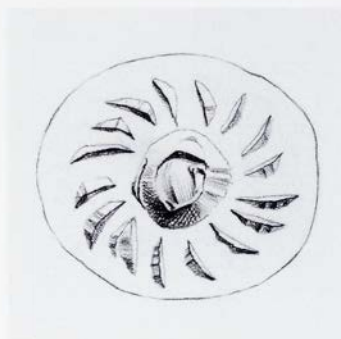


c) Two goat heads (?).

Comparanda: Motifs, b, c: cf. 82a. Subject, c, goats: Goodison, DWS 52–54.

Bibliography: Kenna, CS 96 no. 57, pl. 4; idem, Nestor 3, 1973; Boardman, GGFR 389 = 407. On manufacture: Evely, Crafts 154 f.

c) Yule, ECS 175 (Index: Abstracted....Motifs 10).



41/1910.239

Steatite, black and very dark olive green

Three-sided prism

L. 1.3, W. 1.15, 1.1, 1.15, Perf. 0.2

A diagonal scoring across side c appears unintentional. Condition good otherwise

'Found at Mallia' [30] (Evans, JHS 17, 1897, 333). Acquired by Evans 1895 or 1896.

a) A spider.

b) A whorl of 17 hooks with a central disc.



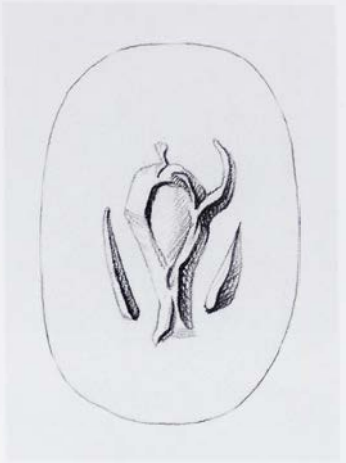
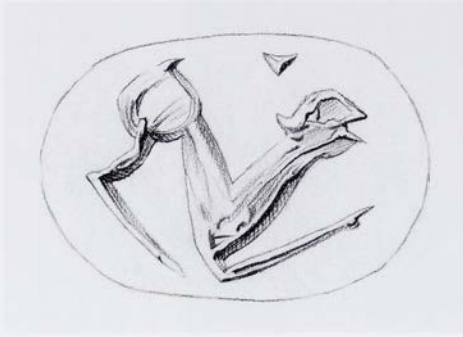
c) Four branches and four leaves joined.

Comparanda: Motif, a: cf. CMS II,6 No. 193; further II,1 No. 111, II,5 Nos. 312, 313; III,1 Nos. 20, 160c. Motif, b: cf. e.g. 47c, 51b, 75b, 85b; CMS III,1 No. 208a. Subject, b: Goodison, DWS 72–75.

Bibliography: Evans, JHS 17, 1897, 333, pl. 10:15a–c; Matz, Siegel, pl. XXI:7a–c; Kenna, CS 96 no. 58, pl. 4, 21 n. 4; idem, Nestor 3, 1973, 829. On manufacture: Evely, Crafts 154 f.

a) A. Jolles, Die antithetische Gruppe, JdI 19, 1904, 31; Sakellariou, CollGiam 50; Onassoglou, DtS 81 n. 490; Poursat, Quartier Mu II 221; Yule, ECS 135 (Index: 'Insects' 2); Vanschoonwinkel, Les animaux 404 no. 530.

b) M. H. Wiencke, AJA 73, 1969, 35 n. 23; Yule, ECS 165 (Index: Whirls 6).



42/1941.86

Steatite, black

Three-sided prism

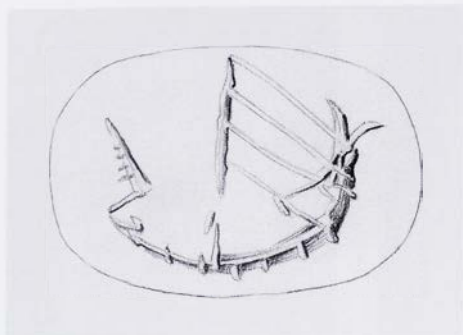
L. 1.4, W. 0.9 all sides, Perf. 0.3

Condition good

'From Mallia' [30]. Acquired by Evans in Herakleion 1896.

a) A dog crouching (drilled rump).

b) A spouted jug and two straight cuts(?). Traces of a line border.



c) A ship with a high split stern and a high prow with triangular prow 'ram'; four stays shown aft of the single mast, and the keel notched to suggest seven oars.

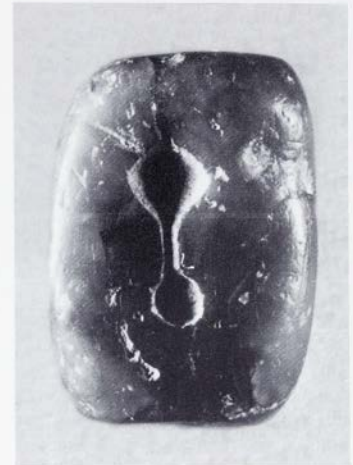
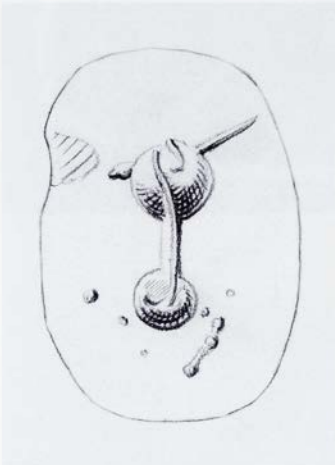
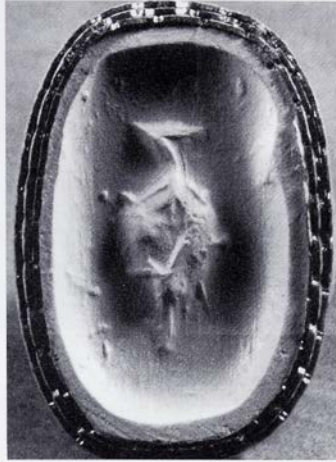
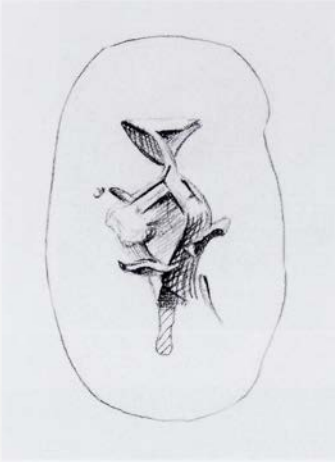
Comparanda: Motif, a: cf. 49c; CMS III,1 Nos. 163b, 176a, 198a, 207a. Subjects: Goodison, DWS 52 (a, dog) 39–44 (b, vessels), 34–36 (c, ship).

Bibliography: Evans, JHS 17, 1897, 334, fig. 2c; Evans, SM I 150 P4**a–c, 203; Stawell, CCS 97; Kenna, CS 96 no. 59, pl. 4; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Brown – Bennett, Travels 442 f. no. 250. On manufacture: Evely, Crafts 149, 154.

a) Yule, ECS 132 (Index: Schematic quadrupeds 2).

b) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398); Yule, ECS 125 (Index: Bulls 1).

c) Evans, AJA 11, 1896, 450; Evans, JHS 17, 1897, 334, fig. 2a; PM I 283, fig. 215Da; Evans, Early Nilotic 9, fig. 5; A. Köster, Das antike Seewesen (1923) 65, fig. 16; S. Marinatos, BCH 57, 1933, 176 no. 36, 191, 210, 214, pl. XV; G. S. Kirk, BSA 44, 1949, 126; Casson, Ships 40; C. Laviosa, ASAtene 31–32, 1969–70, 17–19, fig. 10 no. 36; Gray, ArchHom G, 15 no. A12, 40, fig. 6 f; Yule, ECS 166 (Index: Ships and boats 4); M. Wedde in Tropis 3, 492, 505, fig. 6c; Wachsmann, Seagoing Ships 100–2, fig. 29J, 109; Basch, Musée imaginaire 98, fig. B2; G. Giorgianni in La Rosa et al., 'Επί Πόντον Πλαζόμενοι 334 no. 80; Wedde, Ship Imagery 332 no. 708; McGrail, Boats of the World 112 f; I. Vourexaki in Tropis 7, II, 802, 819, fig. 9g.



43/AE 1764

Steatite, mottled olive green with a dark red vein

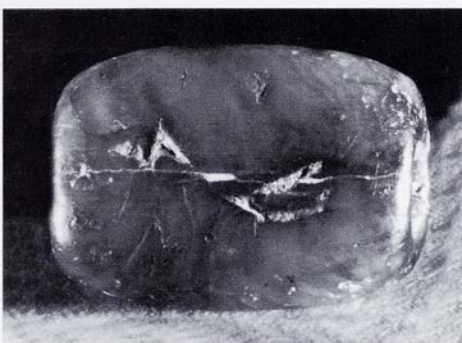
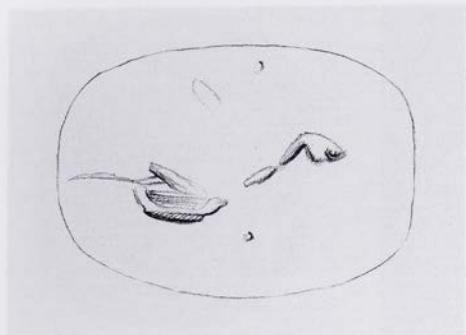
Three-sided prism

L. 1.3, W. 0.8, 0.9, 0.9, Perf. 0.3

Somewhat worn, especially side c

?Crete (Acc. Reg).

- a) A necked jar with narrow foot and spreading lip.
 b) The (drilled) frontal head of a bull.



c) An animal moving to the right (?).

Comparanda: Subject, a: Goodison, DWS 39–44.

Bibliography: Kenna, CS 96 no. 60, pl. 4; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407.

b) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398).



44/1938.750

Steatite, green with some dark mottling (not unlike 30, 65, 68, 87)

Three-sided prism

L. 1.3, W. 1.2, 1.20, 1.15, Perf. 0.25

Condition good

Bought at Sykiá [11], 'a local find', by Evans in 1894 together with 445. 'From the site of Praesos' [9] (Evans, JHS 14, 1894, 337)

Note on prov.: A group of tombs excavated by N. Platon in 1954 between Adrómyloi and Sykiá, LM III - Geometric, brought to light also the much earlier prism CMS II,2 No. 256. See CMS II,4 No. 63 for further references on the excavation.

a) A man seated on a stool, holding a jug with handle and spout and a two-handled pot. The vessels are drilled.

b) A goat crossed by what may be the incomplete body of another animal. Possibly re-engraved?



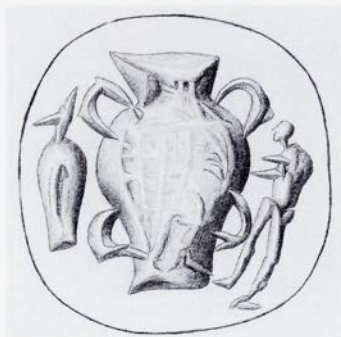
c) A man carrying a pole across his shoulders from which are slung four pots, two on each side. Below, to his right a two-handled pot like that on side a; to his left a quadruped, perhaps a goat, with a small mark above its back (perhaps unintentional).

Comparanda: Side a, seated man: cf. CMS III, 1 No. 154a. Subjects: Weingarten, Taweret 13 f., 17 (all); Goodison, DWS 39–44 (vessels), 52–54 (goat). Side c: CMS XI no. 122b (pole).

Bibliography: Evans, JHS 14, 1894, 337 f., fig. 55a–c; Evans, SM I 131, fig. 69a–c; Matz, Siegel pl. XVII:5a, b, c; Vickery, Food 72 no. 4; G. E. Mylonas, Archaeology 1, 1948, 213, fig. 4a–c; (Sakellariou, CollGiam 13 at no. 75); Kenna, CS 92 no. 37, pl. 2, 22 nn. 4 and 6, 25 n. 4, 73; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; Weingarten, Taweret 13 f., 17; Brown – Bennett, Travels 106 f., 132 f., 398, 416 f. no. 89. On manufacture: Evely, Crafts 150.

a) V. Müller, JdI 40, 1925, 88, fig. 6; J. L. Benson, Horse, Bird and Man (1970) 105, pl. XL:6; (M. Pope, The Story of Decipherment: From Egyptian Hieroglyphic to Linear B [1975] 148 f., ill. 92); Yule, ECS 121 (Index: Men 41); Wingerath, Darstellung 23, 169 f. n. 57; J. G. Younger in Rehak, The Role of the Ruler 169 no. 99; Otto, König Minos 251 f., fig. 86c; (Younger, Music 44 n. 125).

c) (H. Mode, Indische Frühkulturen und ihre Beziehungen zum Westen [1944] 85, fig. 207); D. Levi, ASAtene 19–20, 1957–58, 62; Spartz, Wappenbild 9; Yule, ECS 121 (Index: Men 40); Wingerath, Darstellung 23, 169 f. n. 57; Otto, König Minos 251 f., fig. 86a; (Younger, Music 44 n. 125).



45/1938.745

Steatite, mottled light grey

Three-sided prism. A line border at each end.

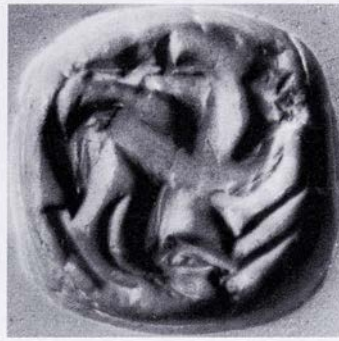
L. 1.3, W. 1.35 all sides, Perf. 0.25

Condition good

Kastrí Tourlotí [13] (or Kasteli Pedhiádhas?? [34]). Kenna, CS at no. 38 gives 'Laske Turleti', citing the label on an impression made in 1910 and misreading the handwriting. Evans's caption at PM I 124, fig. 93, four objects 'all from Kastelli Pedeada', includes this one but perhaps by mistake.

a) A man seated on a backed chair. One hand rests on his knee; the other is raised over a table of which two legs are shown and the top in plan, divided into six squares with a 'handle' towards the man: perhaps a gaming table. A notched line above.

b) A necked jar with two pairs of handles. At the left, a slim spouted jar (?). At the right, a man raises his hand to the jar: perhaps a potter.



c) The crossing bodies of two dogs, both with head turned back and showing one foreleg, one hind leg and tail.

Comparanda: Side a, seated man: cf. CMS III,1 No. 154b. Motif, b, jar: cf. CMS III,1 Nos. 160a, 168c. Subjects, a and b: Goodison, DWS 44–6 (a, b), 39–44 (b, vessels), 52 (c, dogs); Subject, a: N. Hilbom, *OpAth* 30, 2005, 61–98.

Bibliography: PM I 124 f., fig. 93Aa1–3; PM IV 521, fig. 464:1–3; Matz, *Siegel* 109, pl. XIX:5a–c; F. Schachermeyr, *Wörter und Sachen*, N.F. 2, 1939, 145 n. 2, 146, fig. 17; D. Levi, *ASAtene* 19–20, 1957–58, 126; Karo, *Greifen am Thron* 65 f., 128, fig. 16; Kenna, *CS* 92 f. no. 38, pl. 2, 22 nn. 4, 7, 25 n. 2, 73, 87; idem in *Festschrift Matz* 4; (idem, *Archaeology* 19, 1966, 249, fig. 2); (idem, *Syria* 44, 1967, 117 n. 2); idem, *Nestor* 3, 1973, 829; (F. Schachermeyr, *MK* 56, 187 f., fig. 108); Boardman, *GGFR* 26 f., 97, 388 = 406, pl. 5.

a) E. Cahen, *RÉG* 38, 1925, 8 f., fig. 10; G. Kulczycki, *Die Möbelformen des ägäischen Kulturkreises*, *Eos* 33,

1930–1, 583, 589 f., pl. VI:16; Pendlebury, *AC* 88, fig. 12:6; (F. Schachermeyr, *KretChron* 15–6, 1947, 181); Hutchinson, *PC* 157–9; Yule, *ECS* 121 (Index: Men 39); C. Mora, *SMEA* 22, 1980, 301; Goodison, *DWS* 45, fig. 86f.; P. Michaelidis, *SMEA* 32, 1993, 26 f., fig. 9a; (K. P. Foster in Laffineur – Betancourt, *Tέχνη* 132 n. 34); Wingerath, *Darstellung* 23, 170 n. 58, fig. 14; J. G. Younger in Rehak, *The Role of the Ruler* 169 no. 97, pl. LXb; idem in *CMS Beih.* 5, 336 f.; (Younger, *Music* 44 n. 125); N. Hilbom, *OpAth* 30, 2005, 86 f., 92, fig. 22.

b) (Bogayevskii 78 f., fig. 30); V. Müller, *JdI* 40, 1925, 88 f., fig. 7; (F. Chapouthier in *Mélanges Glotz* 193 n. 6); P. Demargne, *Crète – Égypte – Asie* (1938) 55 n. 1; idem, *RA* 1936/2, 88 n. 8; (Sakellariou, *CollGiam* 15 n. 3); Yule, *ECS* 121 (Index: Men 38), 167 (Index: Vessels 4); Wingerath, *Darstellung* 24.

c) Yule, *ECS* 175 (Index: Abstracted....motifs 2); Buchholz et al., *ArchHom J*, 113 no. 7.



46/1938.764

Steatite, mottled brown and olive green

Three-sided prism. A line border at each end.

L. 1.3, W. 1.2, 1.2, 1.3, Perf. 0.25

Condition good

Milatos [27]; from a grave (Evans, JHS 14, 1894, 284 n. 18). Acquired by Evans in 1894.

a) Two fish.

b) Two men standing, one inverted.



c) A goat with head turned back.

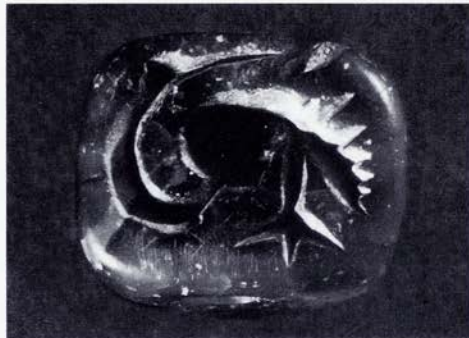
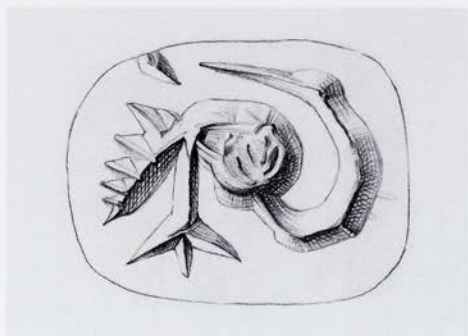
Comparanda: Side a: cf. **82b**; CMS V Suppl. 1A No. 42b (close); III,1 Nos. 165b, 204b. Motif, b: cf. CMS III,1 Nos. 151c, 171b. Subject, c, goat: Goodison, DWS 52–54.

Bibliography: Evans, JHS 14, 1894, 284 n. 18; Evans, JHS 17, 1897, 332, pl. IX:8b, c; Evans, SM I 132; Furtwängler, AG III 28 n. 2; (A. Jolles, JdI 1904, 31); Matz, Siegel pl. XX:8a–c; (Sakellariou, CollGiam 29); Kenna, CS 93 no. 40, pl. 3, 21; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; Buchholz et al., Arch-Hom J, 138 no. 9; Yule, ECS 120–3; Brown – Bennett, Travels 442 f. no. 248. On manufacture: Evely, Crafts 149.

a) Vickery, Food 72 no. 4; Yule, ECS 136 (Index: Fish 3).

b) (M. H. Wiencke, AJA 73, 1969, 34 n. 10); (J. G. Younger in CMS Beih. 5, 337 n. 35); Yule, ECS 121 (Index: Men 31).

c) K. Branigan, Foundations of Palatial Crete (1970) 112 n. 1; Yule, ECS 123 (Index: Goats 10).



47/1938.1149

Steatite, light olive green

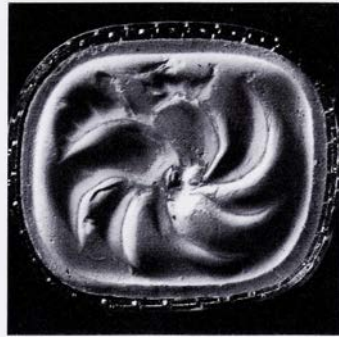
Three-sided prism

L. 1.1, W. 1.4, 1.45, 1.35, Perf. 0.25

Condition good

Crete (Acc. Reg.).

- a) A waterbird with head turned back.
 b) A necked two-handled jar. A notched line at each side of it.



c) A whorl of seven hooks, two notched.

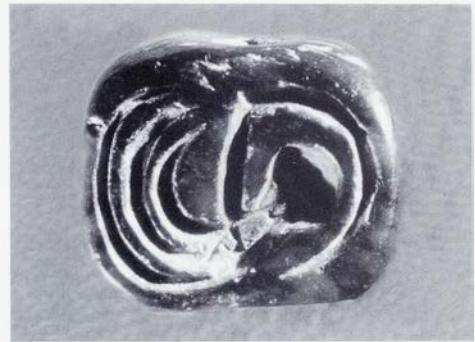
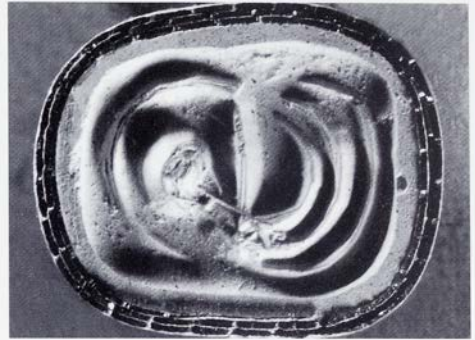
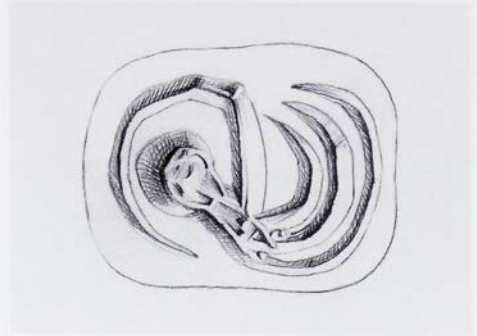
Comparanda: Motif, a: cf. e.g. CMS III,1 Nos. 169b, 197b, 202a; V Suppl. 1A No. 42a; XI No. 232b. Motif, c: see at 41. Subjects: C. Davaras, *AEphem* 1986, 28–31 (rayed whorl); Goodison, *DWS* 39–44 (b, vessels), 72–75 (c, rayed whorl)

Bibliography: Kenna, *CS* 93 no. 41, pl. 3, 22 n. 7; idem, *Nestor* 3, 1973; (H. Erlenmeyer – H. Zai-Börlin, *Antike Kunst* 4, 1961, 13); (M. H. Wiencke, *AJA* 73, 1969, 35 n. 13); Boardman, *GGFR* 26, 97, 374, 388 = 406, pl. 7, colour p. 29:1. On manufacture: Evely, *Crafts* 149 f., pl. 35:3.

a) Yule, *ECS* 133 (Index: Birds 2); Ruuskanen, *Representation* 113, 115 fig. 3; Ruuskanen, *Birds* no. A1.7, pp. 16, 41, 50 f., 53 f., pl. 1 (crane or heron type); Vanschoonwinkel, *Les animaux* 381 no. 75.

b) Yule, *ECS* 167 (Index: Vessels 1); C. Davaras, *AEphem* 1986, 28 n. 91.

c) Yule, *ECS* 165 (Index: Whirls 6).



48/1910.240

Steatite, black

Three-sided prism

L. 0.9, W. 1.0, 1.1, 1.0, Perf. 0.2

Condition good

Found at Mallia [30]. Acquired by Evans in 1895 or 1896.

a) A waterbird with head turned back and notched tail.

b) Hard to understand. A central crosswise line; three parallel curving lines to one side of it, to the other, a curving line enclosing a round blob. Possibly a further stylised version of a waterbird??



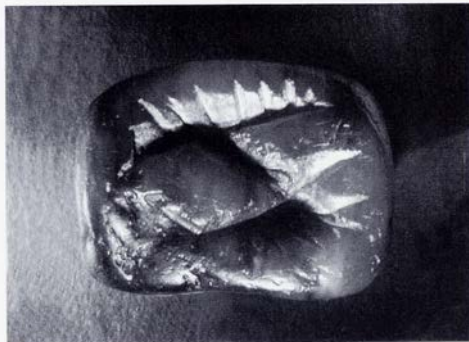
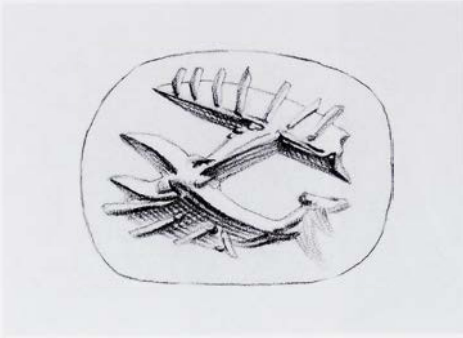
c) A boar (?)

Comparanda: Motif, a: see at 47a.

Bibliography: Evans, JHS 17, 1897, pl. X:14a–c; Matz, Siegel pl. XXI:6a–c; Kenna, CS 93 no. 42, pl. 3; idem, Nestor 3, 1973, 829; Boardman, GGFR 26 f., 93, 388 = 406, fig. 30; Brown – Bennett, Travels 442 f. no. 245. On manufacture: Evely, Crafts 149.

a) (Sakellariou, CollGiam 10 at no. 56); Yule, ECS 133 (Index: Birds 2); Ruuskanen, Birds no. A1.6, pp. 16, 41, 50 f., 53 f., pl. 1 (crane or heron type); Vanschoonwinkel, Les animaux 381 no. 75.

b) Yule, ECS 175 (Index: Abstracted....motifs 6).



49/AE 1189

Steatite, yellow-grey with some dark mottling

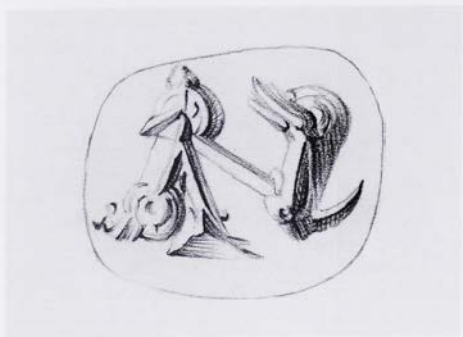
Three-sided prism

L. 0.95, W. 0.7, 0.7, 0.75, Perf. 0.2

Condition good

? no prov. attached (Acc. Reg.).

- a) Z pattern, the upper and lower arms notched.
 b) A man walking, with arms raised (?), holding a fish (?).



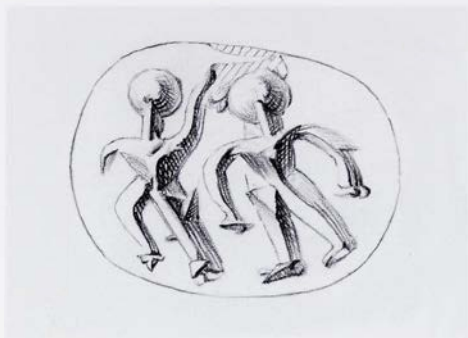
c) A crouching dog, its head turned back.

Comparanda: Motif, a: cf. CMS III,1 Nos. 112, 155a. Motif, c: cf. 42a; CMS III,1 Nos. 152c, 162c. Subject c, dog: Goodison, DWS 52.

Bibliography: Kenna, CS 93 no. 43, pl. 3; idem, Nestor 3, 1973, 829; Buchholz et al., ArchHom J, 113 no. 8; Boardman, GGFR 388 = 406.

a) Yule, ECS 175 (Index: Abstracted...motifs 4).

b) Yule, ECS 121 (Index: Men 21).



50/AE 1121

Steatite, greenish-black

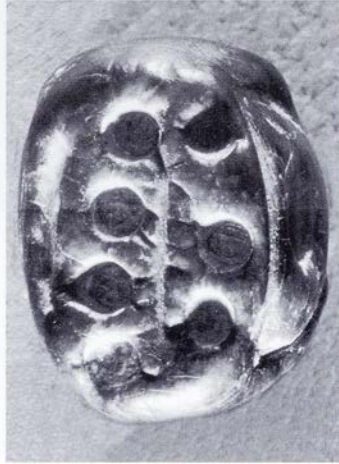
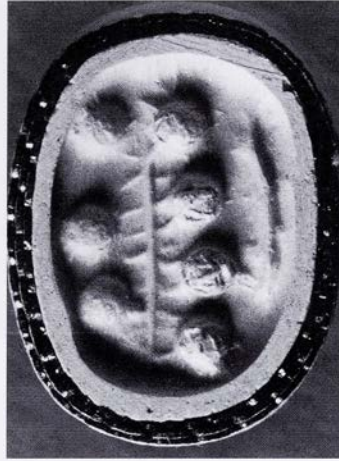
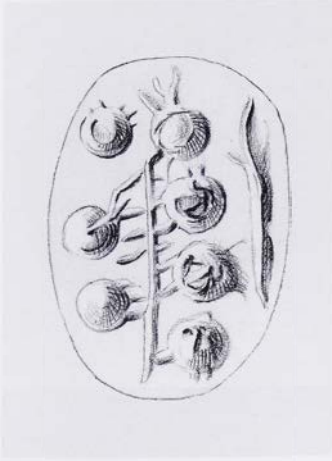
Three-sided prism. A line border at each end.

L. 0.9, W. 1.2 all sides, Perf. 0.28

Condition good

Central Crete (Evans, JHS 14, 1894, 340). Given by Evans in 1895, acquired by him perhaps in 1894.

- a) Two men, one with one arm raised.
b) A goat.



c) Seven vessels (drilled) attached to a pole, three on one side, four on the other; a line beneath.

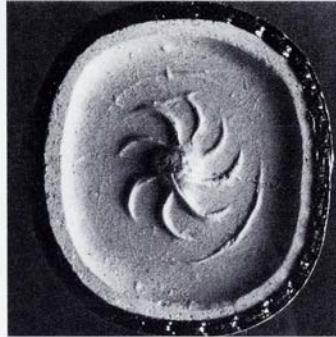
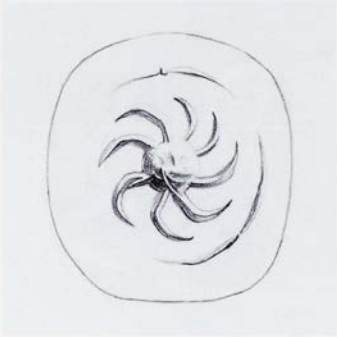
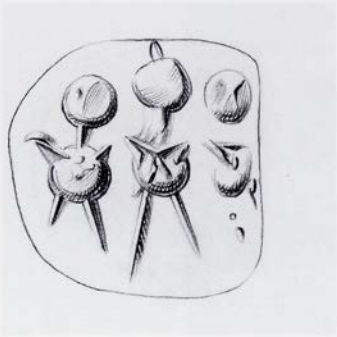
Comparanda: Subjects: Weingarten, Taweret 13 f., 17 (all); Goodison, DWS 52–54 (b, goat), 39–44 (c, vessels)

Bibliography: Evans, JHS 14, 1894, 340, fig. 60a–c; Matz, Siegel pl. XVII:4a–c; Vickery, Food 72 no. 4; (Sakellariou, CollGiam 9 n. 2); Kenna, CS 93 no. 44, pl. 3, 21; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 =

406; Weingarten, Taweret 13 f., 17; Brown – Bennett, Travels 440 f. no. 241. On manufacture: Evely, Crafts 150.

a) Davis, Decipherment 288, fig. 244; Yule, ECS 121 (Index: Men 30); Wingerath, Darstellung 23, 169 f. n. 57.

b) (M. H. Wiencke, AJA 73, 1969, 34 n. 10); K. Branigan, Foundations of Palatial Crete (1970) 112 n. 1; Yule, ECS 122 f. (Index: Goats 8).



51/1910.237

Steatite, cream with some dark mottling and veining (similar to 57, 64, 75). A shallow scratched border at each end.

Three-sided prism

L. 1.1, W. 1.05, 1.2, 1.07, Perf. 0.25

Condition good

Lasithi. Acquired by Evans in 1895 or 1896.

- a) Three men standing side by side.
 b) A whorl of eight hooks in a hoop.



c) A man standing before a pole, which he touches, and to which four 'vessels' are attached.

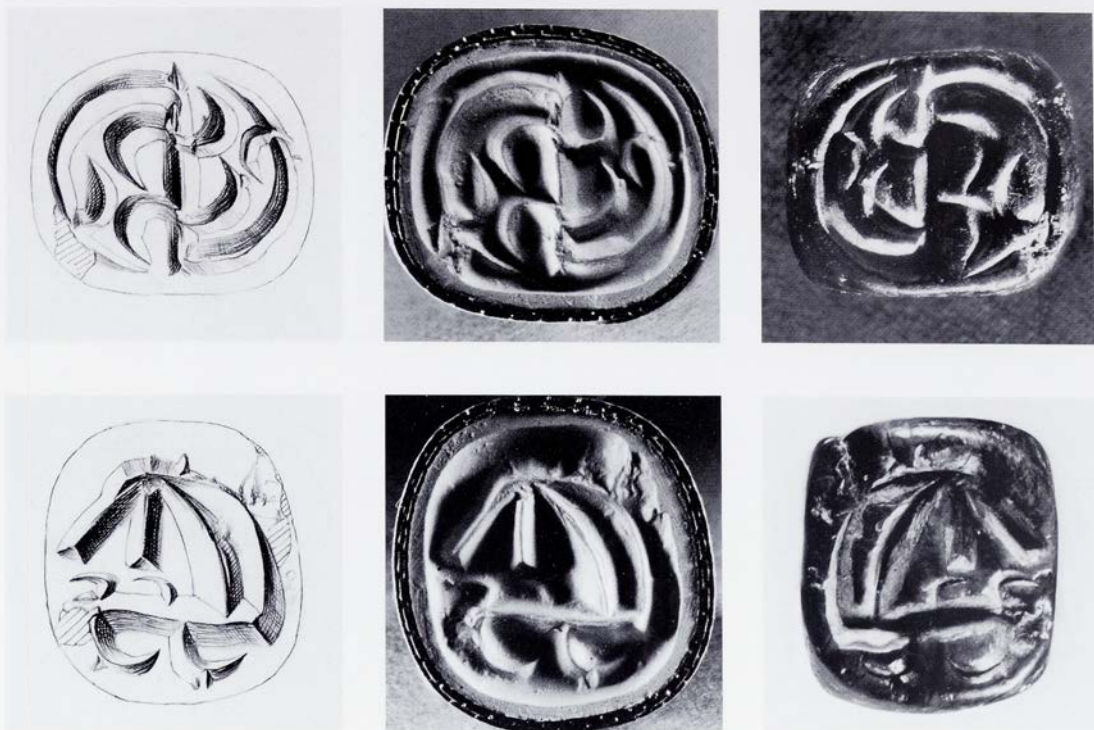
Comparanda: Motif, b: see at 41. Subjects: Weingarten, Taweret 13 f., 17 (all); Goodison, DWS 72–75 (b, rayed whorl), 39–44 (c, vessels); c, loomweights(?), see at 36.

Bibliography: Evans, JHS 17, 1897, 331, pl. 9:2a–c; Matz, Siegel pl. XX:2a–c; (Sakellariou, CollGiam 4); Kenna, CS 93 f. no. 45, pl. 3; idem, Nestor 3, 1973, 829; Davis, Decipherment 288, fig. 244; Boardman, GGFR 388 = 406; Weingarten, Taweret 13 f., 17; Brown – Bennett, Travels 442 f. no. 246. On manufacture: Evely, Crafts 149 f., pl. 33:7.

a) Vickery, Food 72 no. 4.

b) D. Levi, ASAtene 19–20, 1957–58, 81; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 13); E. Grumach in Pepragmena 2, A', 296; M. H. Wiencke, AJA 73, 1969, 34 n. 12; Yule, ECS 165 (Index: Whirls 6).

c) J. G. Younger in Rehak, The Role of the Ruler 156; Yule, ECS 121 (Index: Men 22).



52/1910.244

Steatite, black

Three-sided prism. A scratched border at each end.

L. 1.3, W. 1.5 all sides, Perf. 0.3

Condition good

Bought at Candia [39] by Evans 1894. 'Found in the neighbourhood' (Evans, SM I 127 n. 5).

a) An S pattern with straight centrepiece and six hooks attached. These perhaps indicate legs (cf. side b) and the device is then a conflated animal form, stylised (cf. 59c).

b) A quadruped with large neck and its head turned back. The legs are shown as hooks above and below the body, as though the body was seen from above.



c) The facing head of a bull with straight horns and the ears marked. Hook stars beside the muzzle. A notched line above.

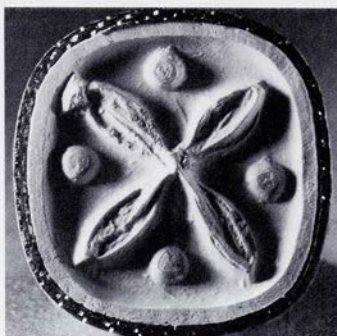
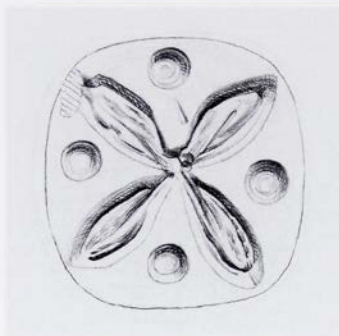
Comparanda: Motif, a: cf. CMS III,1 No. 212b. Motif, c: Poursat, Quartier Mu III 105, pl. 63 (HM 2663). Composition, c: see at 37.

Bibliography: Evans, JHS 14, 1894, 345, fig. 72a-c; Evans, SM I 127-130, fig. 65E tab. XII, fig. 67a-c; PM I figs. 92E, 93B:b-d; R. Zahn, AA 1901, 22, 23 n. 10; Matz, Siegel pl. XVIII:4a-c; Kenna, CS 90 no. 19, pl. 2, 20 n. 6, 22, fig. 31; idem, AAA 4, 1971, 124, 130 f., fig. 1:6a-c; idem, Nestor 3, 1973, 829; Boardman, GGFR 26 f., fig. 29, 92, 388 = 406; (Papapostolou, Sphragismata 146); P. Yule, Antike Welt 16/2, 1985, 52, fig. 4; E. Pernich, Origini 16, 1992, 26, fig. 15:5, 6, 9. On manufacture: Evely, Crafts 150, pl. 34:5,6.

a) Pendlebury, AC 88, fig. 12:2; (D. Levi, ASAtene 19-20, 1957-58, 139 n. 1); Yule, ECS 175 (Index: Abstracted....motifs 6).

b) (H. Mode, Indische Frühkulturen und ihre Beziehungen zum Westen [1944] 61, fig. 121); (E. Grumach, Kadmos 6, 1967, 9); (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398); Onassoglou, DtS 125 n. 725; J. Weingarten in Darceque - Poursat, L'Iconographie minoenne, 172, fig. 5; Yule, ECS 132 (Index: Schematic quadrupeds 18), 175 (Index: Abstracted....motifs 7); Walberg, Tradition and Innovation 33; B. Otto in Kolloquium Mannheim 18, fig. 13.

c) Yule, ECS 125 (Index: Bulls 2); Weingarten, Zakro Master 87; E. Giannouli in Pefragmena 8, A'1, 245.



53/1938.773

Steatite, brown

Three-sided prism. A shallow scratched border at each end and along one side of each face.

L. 1.5, W. 1.5 all sides, Perf. 0.25

Condition good

?Crete (Acc. Reg.).

- a) A quatrefoil with dots between the leaves.
 b) An S pattern with a goat's head attached at the left end and possibly a head at the top right, unless the whole was regarded as a contorted goat. Linear cuts at right angles, one suggesting a foreleg.



c) A goat with exaggeratedly long legs and tail; a cutting over its rump.

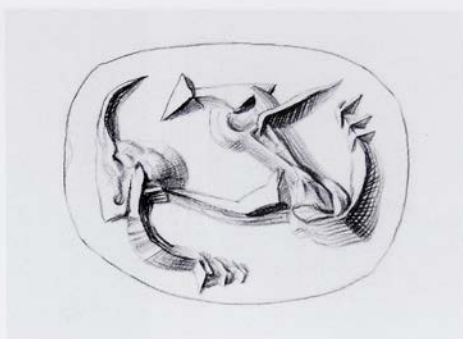
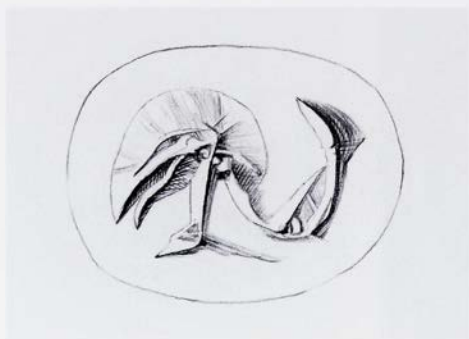
Comparanda: Motif, a: cf. 84b. Subject b, c, goat: Goodison, DWS 52–54.

Bibliography: Kenna, CS 89 f. no. 18, pl. 2, 21, 25 n. 4; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406. On manufacture: Evely, Crafts 149 f., pl. 35:1.

a) Matz, Siegel pl. VII:12; Yule, ECS 141 (Index: Leaves 31).

b) (Papapostolou, Sphragismata 146); Yule, ECS 175 (Index: Abstracted....motifs 5); E. Giannouli in Pepragmena 8, A'1, 245.

c) K. Branigan, Foundations of Palatial Crete (1970) 112 n. 1; Yule and Giannouli as side b.



54/1910.228

Steatite, green

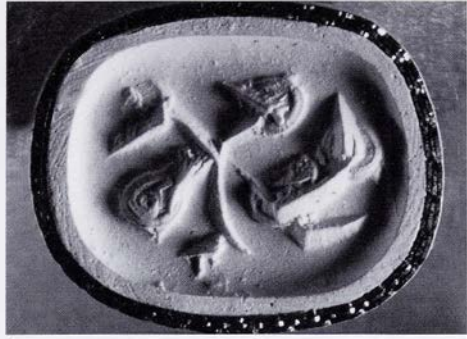
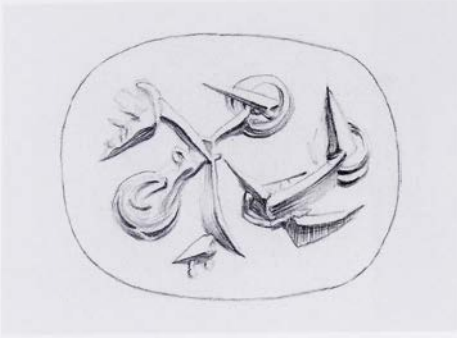
Three-sided prism

L. 1.4, W. 1.1, 1.07, 1.1, Perf. 0.3

Condition good

Milatos [27]. Acquired by Evans probably in 1898.

- a) A long-necked bird with head bent back.
 b) A quadruped, probably a dog, with head turned back and forepaw raised.



c) A star pattern of which the elements seem to comprise a bird's head, a human head, two legs and a body (insect?).

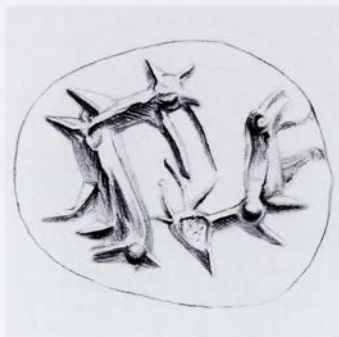
Comparanda: Motif, a: see at 47a. Motif, b: cf. CMS III,1 No. 197a (close); Goodison, DWS 52.

Bibliography: Kenna, CS 90 no. 21, pl. 2; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; Brown – Bennett, Travels 464, 466 f. no. 358.

a) (M. H. Wiencke, AJA 73, 1969, 35 n. 13); Yule, ECS 133 (Index: Birds 2); Ruuskanen, Birds no. A1a.4, pp. 15 f., 41, 50 f., 54 f., pl. 1 (wader or pelican); Vanschoonwinkel, Les animaux 381 no. 75.

b) Boardman, IG 32 n. 1; Buchholz et al., ArchHom J, 113 no. 6; Yule, ECS 130 (Index: Dogs and/or wolves 6).

c) M. H. Wiencke, AJA 79, 1975, 94; 175; Yule, ECS 175 (Index: Abstracted....motifs 9).



55/1910.226

Steatite, mottled cream and black

Three-sided prism

L. 1.35, W. 1.1, 1.15, 1.0, Perf. 0.20

A chip at one end has removed about a quarter of b, less of a and c

?Crete (Acc. Reg.).

a) Two goats, set antithetically.

b) A man with his hand touching a line of three arcs which touch a straight edge. Kenna suggests that these are the loop handles of a storage jar, now missing, but it is hard to restore such a vessel complete. There was perhaps a line of smaller jugs or 'vessels' (cf. 34c).



c) Four standing birds, one above the other. No beaks. Drilled bodies, one cut through to the body of a goat on a.

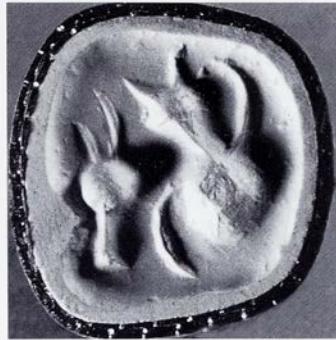
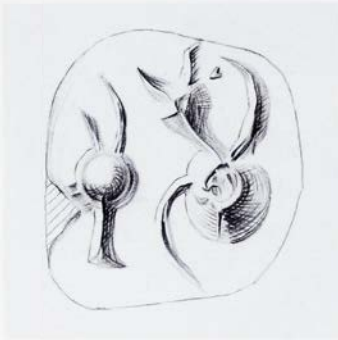
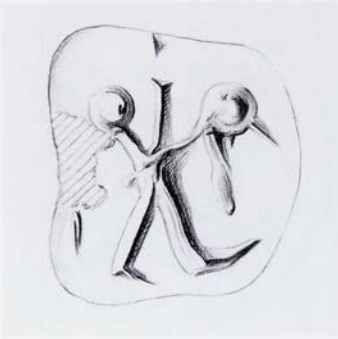
Comparanda: Subjects: Goodison, DWS 52–54 (a, goats), 39–44 (b, vessels).

Bibliography: Kenna, CS 90 no. 22, pl. 2; (idem, *OpAth* 8, 1968, 26, fig. 1); idem, *Nestor* 3, 1973, 829; Boardman, GGFR 388 = 406. On manufacture: Evely, *Crafts* 150.

a) E. Giannouli in *Pepragmena* 8, A'1, 245.

b) Yule, ECS 167 (Index: Vessels 4).

c) Yule, ECS 133 (Index: Birds 4); Ruuskanen, *Birds* no. A1a.22, pp. 15–17, 41, 50 f., 53, pl. 2 (wader); Vanschoonwinkel, *Les animaux* 381 no. 75.



56/AE 1219

Steatite, black

Three-sided prism

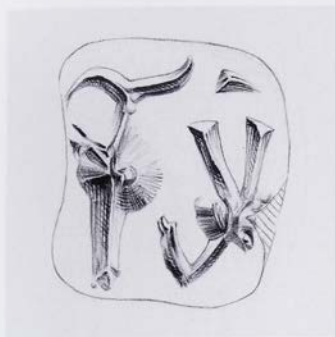
L. 1.35, W. 1.15, 1.15, 1.05, Perf. 0.25

Edges slightly chipped

Crete (Acc. Reg.).

a) A star pattern composed of two heads (drilled), an arm and two legs, resembling a two-headed man.

b) The head of a goat (drilled) and a spider or ant.



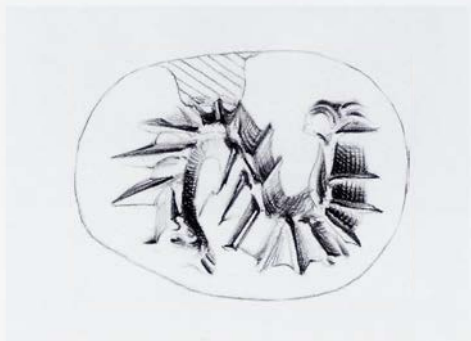
c) A tall spouted jug and a device with three arms (two blunt, one bent). Possibly a man, incomplete, with sharply raised shoulder and hanging forearm, with neither head nor depicted feet.

Commentary: The resemblance to a two-headed man on side a and a headless man on side c is intriguing. If men were intended, was some connexion between them implied?

Comparanda: Motif, b, spider: see at 31. Motif, c, man(?): cf. CMS II,2 No. 98b?; jug cf. 80a, CMS II,2 Nos. 134b, 158b, 171b. Subjects: Goodison, DWS 52–54 (b, goat), 39–44 (c, vessels).

Bibliography: Evans, JHS 14, 1894, 340, fig. 61a–c; Matz, Siegel pl. XVII:8a–c; Kenna, CS 90 no. 23, pl. 2; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406. On manufacture: Evely, Crafts 150.

b) E. Giannouli in Pepragmena 8, A'1, 245.



57/AE 1190

Steatite, mottled cream and very dark green (cf. 51, 64, 75)

Three-sided prism. A line border at each end.

L. 1.25, W. 1.0 all sides, Perf. 0.20

Chipped along edge of a and b

Crete (Evans, JHS 14, 1894, 341). Given by Evans in 1895.

a) A man (drilled head) standing beside a hatched crescent, which may denote a hunting net.

b) A notched S pattern, a blob at one end.



c) A crouching quadruped with long neck, tail and long feet.

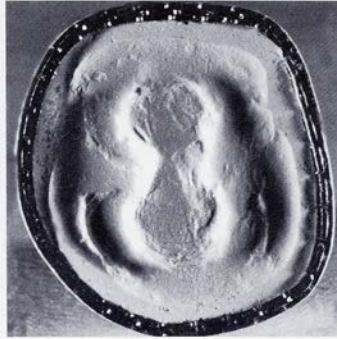
Comparanda: Motif, b: CMS III,1 No. 112 (add to Yule, ECS 175). Motif, c: cf. CMS V Suppl. 3,2 No. 356b.

Bibliography: Evans, JHS 14, 1894, 340 f., fig. 62a-c; Evans, SM I 133, fig. 73a-c; F. M. Stawell, AJA 28, 1924, 127 n. 1, 131f., pl. 6: 73b; Matz, Siegel pl. XVIII:1a-c; Kenna, CS 90 f. no. 24, pl. 2, 87; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; Brown - Bennett, Travels 460 f. no. 240. On manufacture: Evely, Crafts 149.

a) (Milani, Studi 2, 186); Press, Architektura 92 n. 21; Yule ECS 121 (Index: Men 19); Otto, König Minos 251 f., fig. 86b.

b) (A. Xenaki, KretChron 3, 1949, 81 n. 21); Boardman, IG 153 n. 2; Yule, ECS 175 (Index: Abstracted... motifs 4).

c) D. Levi, AJA 49, 1945, 270, fig. 2; idem, AEphem 1953-54, part 3, 54 f., fig. 6; (K. Schauenburg, Bjb 155-6, 1955-56, 62 n. 19); (Glötz, Civilisation 228); B. Brentjes, Klio 38, 1960, 33, 35, fig. 3, 49.



58/1938.755

Steatite, mottled dark green and cream

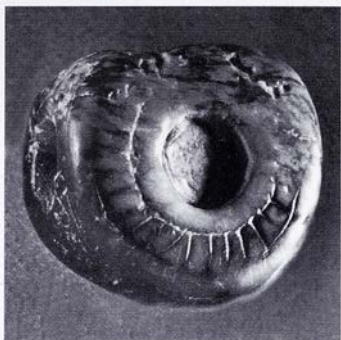
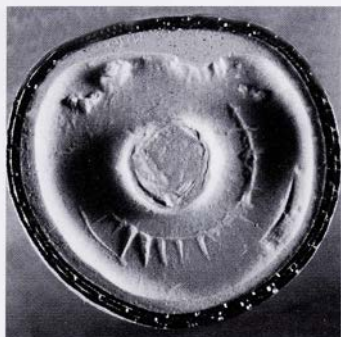
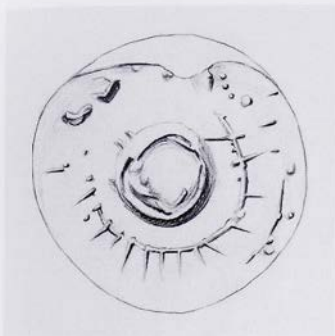
Three-sided prism with gable section. A shallow scratched border at each end.

L. 1.4, W. 1.6, 1.2, 1.3, Perf. 0.25 and 0.3

Condition good

Elounda [24]. Acquired by Evans probably 1898.

- a) A lion with head turned back.
 b) A spider (?) with four legs shown.



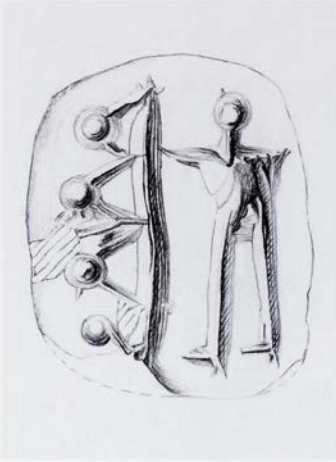
c) A disc within two lines with hatching between. These probably were in horse-shoe form more than a closed loop.

Comparanda: Motif, a: cf. **81a**; CMS II,2 No. 245c; III,1 No. 42; IX No. 25b (all close); less close CMS II,1 No. 489; III,1 No. 154b; V Suppl. 1A No. 43a. Motif, b: see at **31**.

Bibliography: Kenna, CS 87 no. 4, pl. 1,21; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; Brown – Bennett, Travels 464, 468 f. no. 359. On manufacture: Evelyn, Crafts 149.

a) (C. Davaras, AEphe 1973, 82 n. 6); Yule, ECS 129 (Index: Lions 12).

c) (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 12).



59/1938.754

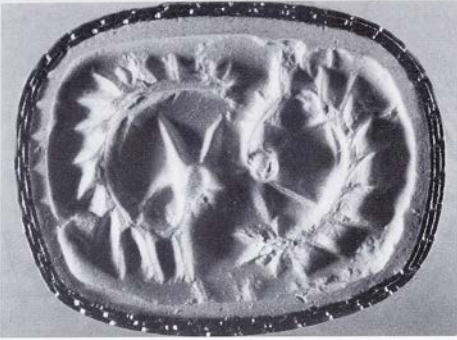
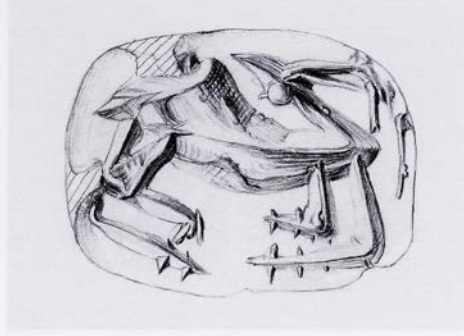
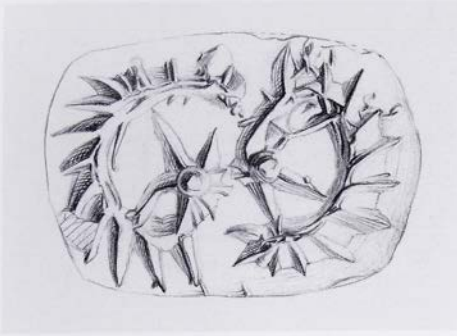
Steatite, black mottled with some olive green
Three-sided prism. A line border around each
face.

L. 1.7, W. 1.5, 1.3, 1.3, Perf. 0.25

Condition good

?Crete (Acc. Reg.).

- a) A man standing, holding or touching an upright pole to which are attached four 'vessels'.
b) An antithetic pair of serpents (?) with open mouths and notched bodies.



c) A goat with folded legs, presumably recumbent, and head turned back. An unusually small point has been used to gouge (or drill?) eyes, head and vessels.

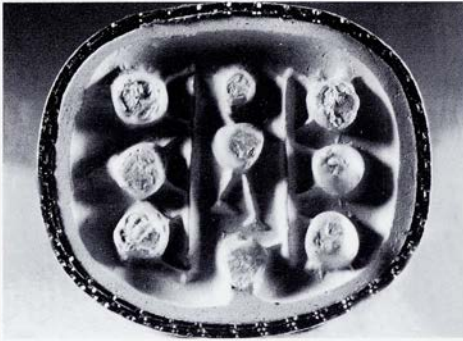
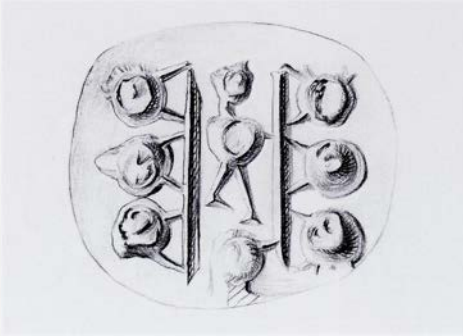
Comparanda: Motif, a, man's feet: cf. CMS III,1 No. 151c. Subjects: Weingarten, Taweret 13 f., 17 (all); Goodison, DWS 39–44 (a, vessels), 52–54 (c, goat); a, loomweights(?), see at 36.

Bibliography: Kenna, CS 87 f., no. 5, pl. 1; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; Weingarten, Taweret 13 f., 17. On manufacture: Evely, Crafts 149, pl. 34:1.

a) J. G. Younger in Rehak, *The Role of the Ruler* 156; Yule, ECS 121 (Index: Men 22).

b) Yule, ECS 175 (Index: Abstracted....motifs 4).

c) Yule, ECS 122 f. (Index: Goats 10); E. Giannouli in Ppfragmena 8, A'1, 245.



60/1910.242

Steatite, yellow with a little dark green veining and mottling

Three-sided prism. A line border around each face.

L. 1.7, W. 1.4 all sides, Perf. 0.25

Condition good

Mirabello Eparchy (Kenna CS at no. 6, citing label on an old impression).

a) A man standing between two upright poles to which are attached seven 'vessels', one of them beneath him.

b) A man and the inverted figure of a goat with a cutting above its head.



c) A man approaching and raising his arm to the handle of a spouted jug, shown on its side. Beneath the jug is a two-handled jar. Beyond them are two blobs, linked.

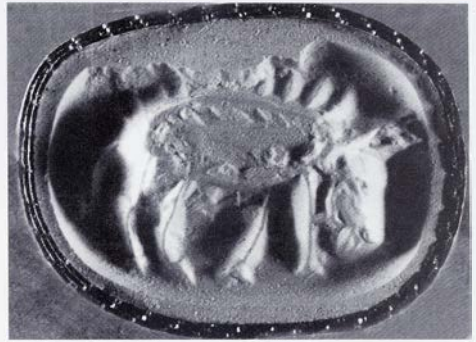
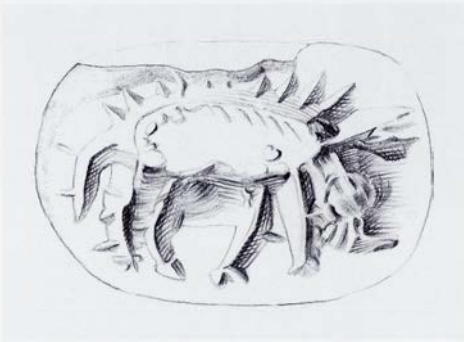
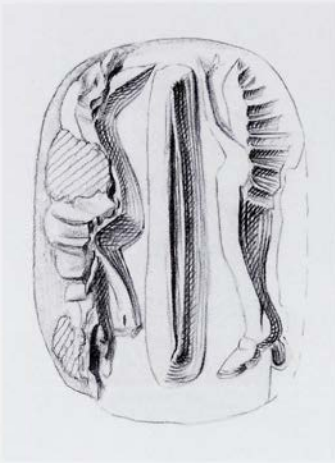
Comparanda: Subjects: Weingarten, Taweret 13 f., 17 (all); Goodison, DWS 39–44 (a, vessels), 52–54 (b, goat); a, loomweights(?), see at 36. Subject, b: cf. 36b, CMS III,1 No. 213c. Style: cf. CMS II,2 Nos. 159, 160.

Bibliography: Kenna, CS 88 no. 6, pl. 1,21; idem, Nestor 3, 1973, 829; Davis, Decipherment 288, fig. 244; Boardman, GGFR 388 = 406; Weingarten, Taweret 13 f., 17. On manufacture: Evely, Crafts 150.

a) Yule, ECS 121 (Index: Men 22), 167 (Index: Vessels 11); Wingerath, Darstellung 26, 171 f., n. 79; Otto, König Minos 163, 165, fig. 55d; Cultraro, L'anello di Minosse 218, pl. 21.

b) E. Giannouli in Pepragmena 8, A'1, 245.

c) E. Grumach, BullJ RylandsLib 46/2, 1964, 350 f., 376, 379, fig. 1c; Yule, ECS 121 (Index: Men 19); C. Davaras, AEphem 1986, 28 n. 91.



61/1895.2

Steatite, white (i.e. cream-coloured)

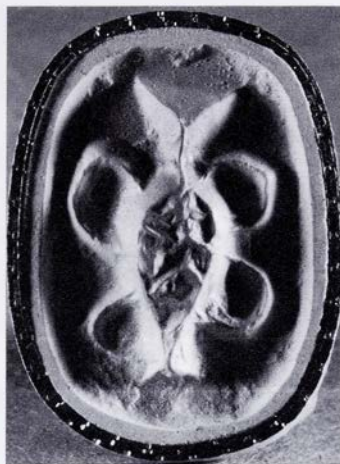
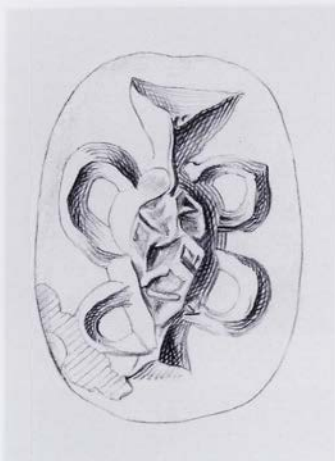
Three-sided prism. A line border around each face.

L. 1.75, W. 1.25 all sides, Perf. 0.30

Top of side b broken through to the perf.

Bought in Athens by J. L. Myres 1895 and given by him.

- a) Two birds standing, one inverted, at either side of an upright bar.
 b) A quadruped with spiny back, short tail and thick head, probably a boar.



c) A four-handled, necked jar. The scratched pattern on the body may be deliberate. The arrangement of the loop handles recalls that of Minoan pithoi but these do not normally have such a high neck, or indeed any.

Comparanda: Motif a, central bar: cf. **80a**; CMS III,1 No. 198c; Motif, b: cf. **32b**, **80c**, **81b**, CMS III,1 No. 159b. Motif, c, jar: cf. CMS III,1 No. 160a. Subject, c, vessels: Goodison, DWS 39–44.

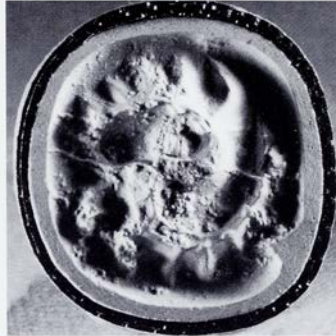
Bibliography: Evans, JHS 17, 1897, 332, pl. X: 11a–c; Matz, Siegel pl. XXI:3a–c; (Sakellariou, CollGiam 10);

Kenna, CS 88 no. 7, pl. 1, 21, 85; idem, AAA 4, 1971, 124, 130 f., fig. 1:5a–c; idem, OpAth 8, 1968, 26, fig. 1; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406.

a) (A. Jolles, Jdl 19, 1904, 31); Ruuskanen, Birds no. A1d.1, pp. 17, 41, 50 f., 53, pl. 4 (crane).

b) (D. Levi, ASAtene 19–20, 1957–58, 114); Yule, ECS 127 (Index: Boars 3); (P. Yule, SMEA 26, 1987, 171 n. 63).

c) Yule, ECS 167 (Index: Vessels 4).



62/1938.752a

Steatite, olive green inside; black surface perhaps blackened unnaturally

Three-sided prism

L. 1.4, W. 1.5, 1.4, 1.35, Perf. 0.30

Side b broken through to the perf.

?Crete (Acc. Reg.).

a) A bird with its head turned back, or a seated man, and a bent notched line or tree.

b) A notched reversed S, perhaps an abbreviated version of the animals on 59.



c) The head and neck of a goat showing two ears and one horn; and the head of a goat with two horns.

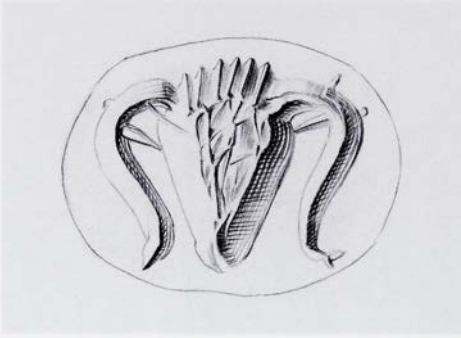
Comparanda: Motif, a, seated man: cf. CMS V Suppl. 1A No. 43b. Motif, b: cf. CMS III,1 No. 112 (add to Yule, ECS 175). Motif, c: cf. CMS III,1 No. 152b. Subject, c, goat: Goodison, DWS 52–54. See C. Davaras, *CretSt* 1, 1988, 50 n. 5.

Bibliography: Evans, *JHS* 14, 1894, 342, fig. 65a–c; Evans, *SM* I 130, fig. 68, 133, fig. 74a–c; Matz, *Siegel* pl. XVIII:6a–c; Kenna, *CS* 88 no. 8, pl. 1; idem, *Nestor* 3, 1973, 829; Boardman, *GGFR* 388 = 406. On manufacture: Evely, *Crafts* 149.

a) C. T. Seltman, *BSA* 26, 1923–24, 99, fig. 7; P. Katzouros, *Kadmos* 4, 1965, 73 n. 5; Yule, *ECS* 133 (Index: Birds 14); C. Davaras, *AEphem* 1986, 24 f.; idem, *CretSt* 1, 1988, 50; Vanschoonwinkel, *Les animaux* 379 no. 49.

b) Boardman, *IG* 153 n. 2; Yule, *ECS* 175 (Index: Abstracted....motifs 3, 4).

c) Evans, *JHS* 14, 1894, 331, fig. 51; Hall, *AegA* 206, fig. 85; Yule, *ECS* 121, 123 (Index: Goats 1), 175 (Index: Abstracted....motifs 10); E. Giannouli in *Pepragmena* 8, A'1, 245.



63/AE 1188

Steatite, yellow

Three-sided prism. A line border around each face.

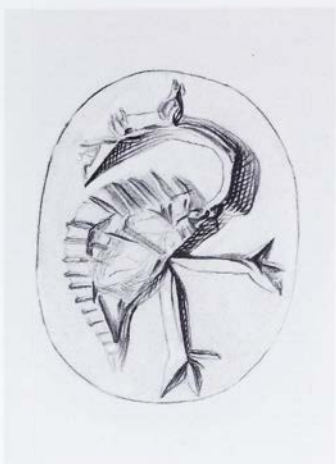
L. 1.6, W. 1.2 all sides, Perf. 0.27

Edges worn

Crete (Evans, JHS 14, 1894, 341, fig. 64).

Acquired by Evans in 1894, given by him in 1895.

a) The frontal head of a horned sheep, with forehead hair and ears marked.



b) A scorpion.

c) A bird with head (crested?) turned back.

Comparanda: Motif, a: cf. CMS III,1 No. 156b. Motif, b: cf. CMS III,1 Nos. 160c, 200a. Motif, c: see at 47a.

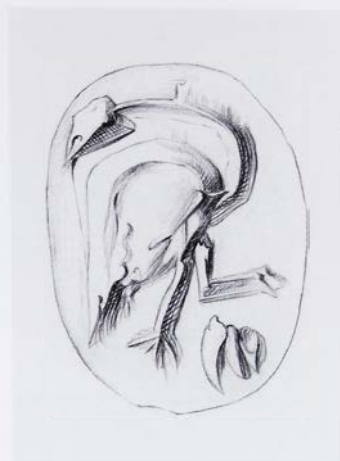
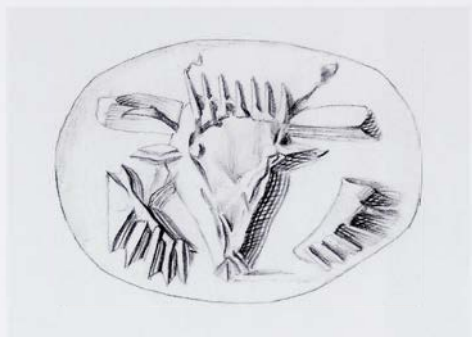
Bibliography: Evans, JHS 14, 1894, 341, fig. 64a-c; Evans, SM I 31 fig. 5a-c, 134 fig. 75a-c; Matz, Siegel pl. XVIII:2a-c; Kenna, CS 88 no. 9, pl. 1; (idem, OpAth 8, 1968, 26, fig. 1); idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; (M. H. Wiencke, AJA 73, 1969, 35 n. 13); Brown - Bennett, Travels 440 f. no. 238 (where the Evans 1896 references belong in error to 312).

a) (R. Zahn, AA 1901, 22); (M.-L. Erlenmeyer - H. Erlenmeyer, Orientalia 27, 1958, 368 n. 4); Yule, ECS

125 (Index: Bulls 1); Weingarten, Zakro Master 86, pl. 9A; eadem in Darcque - Poursat, L'Iconographie minoenne 170, 172; C. Davaras, AEphem 1986, 27 n. 87; idem, CretSt 1, 1988, 51; E. Giannouli in Pepragmena 8, A'1, 245.

b) Hood, Minoans 21, fig. 3; M. H. Wiencke, AJA 79, 1975, 94; Yule, ECS 135 (Index: 'Insects' 15); Vanschoonwinkel, Les animaux 402 no. 478.

c) (A. Xenaki, KretChron 3, 1949, 81 n. 20); (C. Davaras, Kadmos 12, 1973, 110 n. 7); (Papapostolou, Sphragismata 61 n. 1); Yule, ECS 133 (Index: Birds 2); Ruuskanen, Birds no. A1b.3, pp. 15, 17, 41, 50 f., 53, pl. 3 (crane); P. Warren in Pepragmena 7, A'2, 979 n. 23 (*Balearica pavonina?*); Vanschoonwinkel, Les animaux 381 no. 75.



64/1938.753

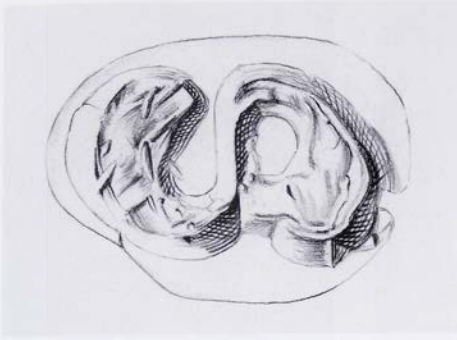
Steatite, cream with some dark mottling and veining (similar to 51, 57, 75)

Three-sided prism. A line border (not complete) around each face

L. 1.5, W. 1.1 all sides, Perf. 0.23

Condition good

?Crete (Acc. Reg.).



a) The facing head of a bull with forehead hair, ears and straight horns marked. The eyes are also lightly marked. Two short notched lines below.

b) A bird with head turned back. A cutting beneath.

c) An S with leaf-shaped arms (similar to 'petaloid loop').

Comparanda: Motif, a: Poursat, Quartier Mu III 105, pl. 63 (HM 2663). Composition, a: see at 37. Motif, b: see at 47a.

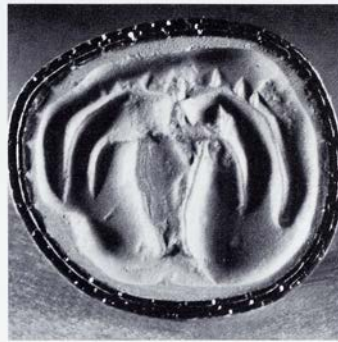
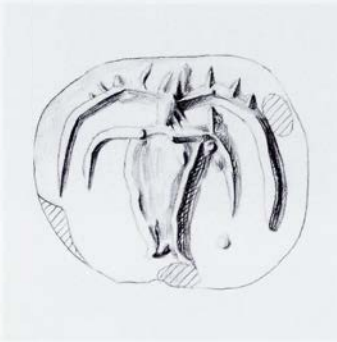
Bibliography: Kenna, CS 88 no. 10, pl. 1, 72 n. 3; (idem, *OpAth* 8, 1968, 26, fig. 1, 37, fig. 7); idem, *Nestor* 3,

1973, 829; Boardman, *IG* 153 n. 2; (J. A. Sakellarakis, *PZ* 45, 1970, 189 n. 398); Boardman, *GGFR* 388 = 406; Onassoglou, *DtS* 125 n. 725; J. Weingarten in *Darcque - Poursat, L'Iconographie minoenne* 170, 172. On manufacture: Evely, *Crafts* 149, pl. 35:2.

a) Yule, *ECS* 125 (Index: Bulls 2); Weingarten, *Zakro Master* 86, pl. 9A; E. Giannouli in *Pepragmena* 8, A'1, 245.

b) (V. E. G. Kenna, *Kadmos* 3, 1964, 53); (C. Davaras, *Kadmos* 12, 1973, 110 n. 7); Yule, *ECS* 133 (Index: Birds 2); Ruuskanen, *Birds* no. A1b.2, pp. 15, 17, 41, 50 f., 53, pl. 3 (crane); Vanschoonwinkel, *Les animaux* 381 no. 75.

c) Yule, *ECS* 162 (Index: Zweipässe 3).



65/1910.241

Steatite, mottled olive green (similar to 30, 44, 68, 87)

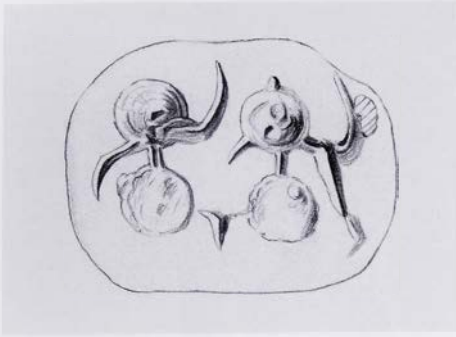
Three-sided prism

L. 1.25, W. 0.9, 1.1, 1.0, Perf. 0.27

Side c broken through to the perf. at each spider's body

Milatos [27] (Evans, JHS 17, 1897, 331).

- a) A man walking to the right.
 b) The frontal head of a goat with the ears marked and the notched horns set very close (therefore not a bull).



c) Two spiders (drilled bodies).

Comparanda: CMS XIII No. 1 almost identical. Motif, style, a: cf. CMS III,1 No. 162a; XI No. 232a. Motif b: cf. CMS III,1 No. 165a. Subject b, goat: Goodison, DWS 52–54.

Bibliography: Evans, JHS 17, 1897, 331, pl. IX:7a–c; Matz, Siegel pl. XX:7a–c; (Sakellariou, CollGiam 17); Kenna, CS 88 no. 11, pl. 1; idem, Nestor 3, 1973, 829; Davis, Decipherment 288, fig. 244; Boardman, GGFR 388 = 406; Sbonias, Frühkretische Siegel 180. On manufacture: Evely, Crafts 150.

a) Yule, ECS 121 (Index: Men 19).

b) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398); Weingarten, Zakro Master 86, pl. 9 B; eadem in Darque – Poursat, L'Iconographie minoenne 172, fig. 12; Yule, ECS 125 (Index: Bulls 1); E. Giannouli in Pepragmena 8, A'1, 245.

c) M. H. Wiencke, AJA 73, 1969, 34 n. 10.



66/AE 1218

Steatite, black

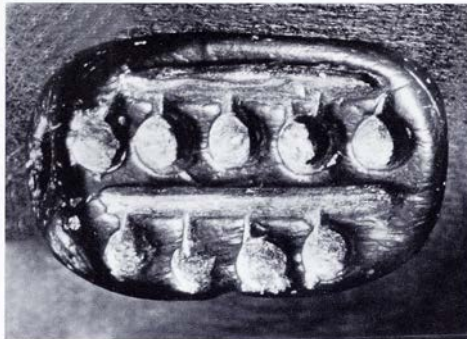
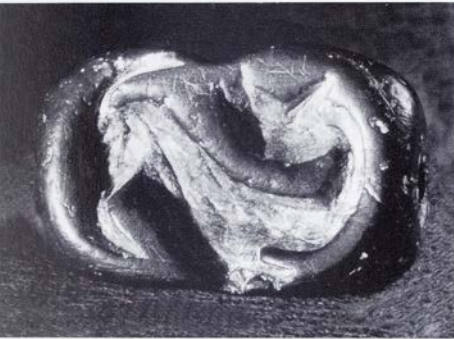
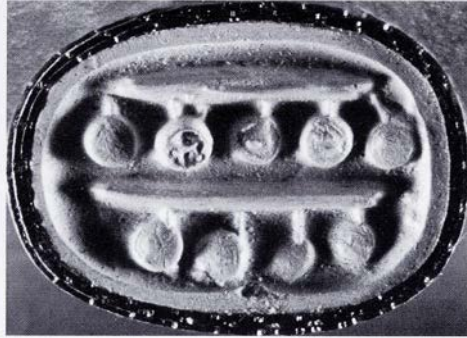
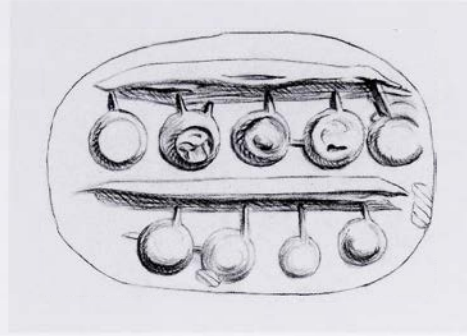
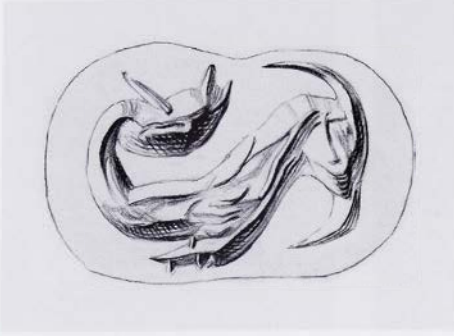
Three-sided prism

L. 1.4, W. 1.0, 0.9, 0.9, Perf. 0.25

Condition good

Central Crete. Given by Evans in 1895, acquired by him perhaps in 1894.

- a) A man walking to the right.
- b) A quadruped with head turned back, probably a dog.
- c) Two poles to which are attached four and five (drilled) 'vessels' respectively.



Comparanda: Subjects: Weingarten, Taweret 13 f. 17 (all). Motif, a: 38c; Wingerath, Darstellung 31, 174 f. n.106 (list of parallels); Poursat, Quartier Mu III 104, pl. 58 (HM 2522), 105, pl. 65 (HM 3020); CMS III,1 Nos. 204a, 212c. Motif, b: cf. CMS III,1 No. 211a. Subject b, dog: Goodison, DWS 52. Subject c: Goodison, DWS 39–44. Style: cf. CMS II,2 No. 104: see E. Thomas in CMS Beih. 3, 279 f.

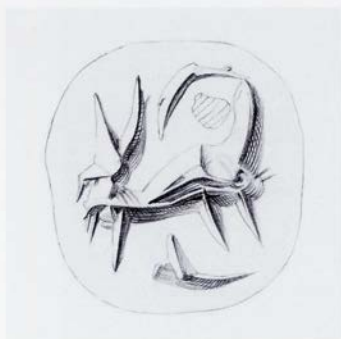
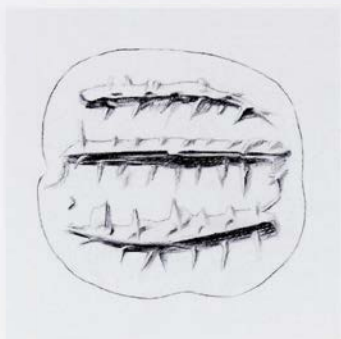
Bibliography: Evans, JHS 14, 1894, 338, fig. 57a–c; Matz, Siegel pl. XVII:6a–c; Vickery, Food 72 no. 4; Kenna, CS 88 f. no. 12, pl. 1, 72 n. 3; idem, Nestor 3, 1973, 829; Davis, Decipherment 288, fig. 244; (M. H. Wiencke,

AJA 73, 1969, 34 n. 11); Boardman, GGFR 388 = 406; Weingarten, Taweret 13 f., 17; Brown – Bennett, Travels 440 f. no. 239. On manufacture: Evely, Crafts 150, pl. 35:6.

a) Brandt, Gruß und Gebet 17; Yule, ECS 120 f.; (Index: Men 19).

b) (C. Davaras, AEphem 1973, 82 n. 6); Buchholz et al., ArchHom J, 113 no. 5; Yule, ECS 132 (Index: Schematic quadrupeds 18); Vanschoonwinkel, Les animaux 381 no. 97.

c) D. Levi, ASAtene 19–20, 1957–58, 62; (Sakellariou, CollGiam 12); Yule, ECS 167 (Index: Vessels 11).



67/1910.243

Steatite, yellow, with surface darkened on the faces but not on the ends

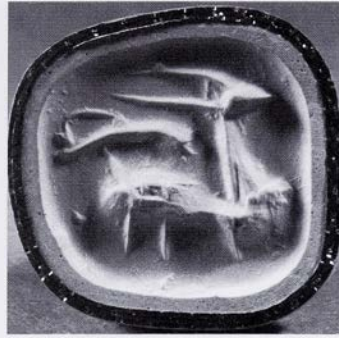
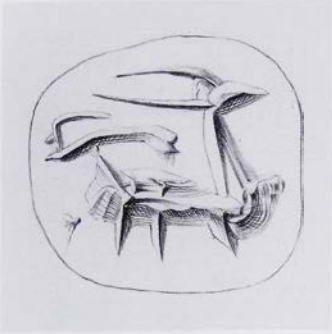
Three-sided prism. A border of scratched lines at each end.

L. 1.4, W. 1.3 all sides, Perf. 0.3

Condition good

Eastern Crete. Acquired by Evans by 1897 (JHS 17, 1897, 332).

- a) Three notched lines, perhaps trees.
 b) A quadruped with straight horns and a long tail held up and curling over; a cutting beneath.



c) A goat with long straight horns; a cutting over its back, possibly a detached horned head.

Comparanda: Subject c, goat: Goodison, DWS 52–54.

Bibliography: Evans, JHS 17, 1897, 332, pl. 10:9a–c; Matz, Siegel pl. XXI:1a–c; Kenna, CS 89 no. 13, pl. 1; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406.

c) K. Branigan, Foundations of Palatial Crete (1970) 112 n. 1; Yule, ECS 122 f. (Index: Goats 8); M. Barak – S. Amorai-Stark in Z. Herzog – G. Rapp – O. Negbi (eds.), Excavations at Tel Michal, Israel (1989) 333; E. Giannouli in Pepragmena 8, A'1, 245.



68/1938.744

Steatite, yellow with some dark mottling and veining (not unlike 30, 44, 65, 87)

Three-sided prism. A line border at each end.

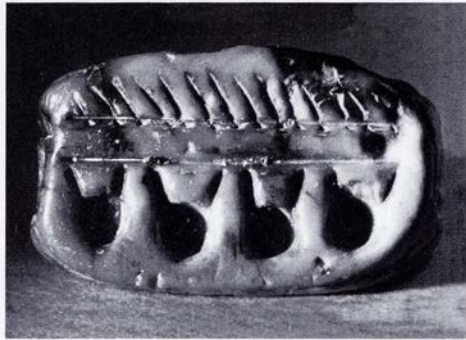
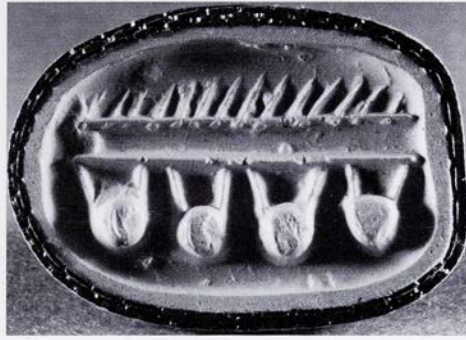
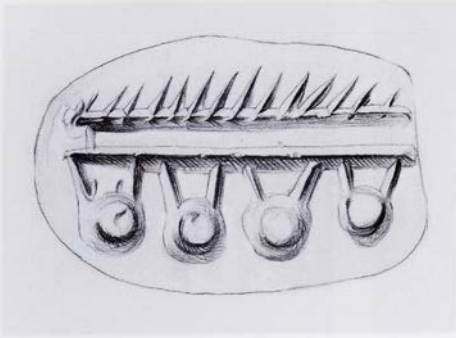
L. 1.9, W. 1.15 all sides, Perf. 0.25

Condition good

Bought at Candia by Evans in 1894 (Evans, JHS 14, 1894, 338).

a) A man holding a spear.

b) A goat rearing up; a cutting behind it and a notched line above.



c) A notched line and a pole to which are attached four 'vessels' (drilled).

Comparanda: Motif, b: cf. CMS II,2 No. 100c, IV No. 156a. Motif, c: cf. 73a, CMS III,1 No. 213a. Motifs, b and c: CMS IX No. 13a, Brown – Bennett, *Travels* 422 no. 129 (where wrongly identified with CMS IX No. 13). Subjects: Weingarten, *Taweret* 13 f., 17 (all); Goodison, *DWS* 52–54 (b, goat), 39–44 (c, vessels). Subjects, a (weft-beater?), c (loomweights?): see at 36. Style: b) cf. CMS II,2 Nos. 100c, 123a, 167a; see J.-C. Poursat – E. Papatsaroucha in *CMS Beih.* 6, 262.

Bibliography: Evans, *JHS* 14, 1894, 338, fig. 56a–c; Evans, *SM* I 124, fig. 59 (Table XI), 131 f., fig. 70a–c; Milani, *Studi* 2, 133, fig. 222a–c, 155, 158, 164; Matz, *Siegel* pl.

XVII:2a–c; 72 no. 4; D. Levi, *ASAtene* 19–20, 1957–58, 62, 129; Kenna, *CS* 89 no. 14, pl. 1, 72 n. 3; idem, *AAA* 4, 1971, 124, 130 f., fig. 1:3a–c; idem, *Nestor* 3, 1973, 829; Davis, *Decipherment* 288, fig. 244; Boardman, *GGFR* 388 = 406; Weingarten, *Taweret* 13 f., 17.

a) Vickery, *Food* 72 no. 4; Yule, *ECS* 121 (Index: Men 21); Otto, *König Minos* 251 f., fig. 86d; (E. Yiannouli, *J. PrehistRel* 11–12, 1998, 71).

b) Buchholz et al., *ArchHom J.* 58 no. 2; Yule, *ECS* 122 f. (Index: Goats 8); E. Giannouli in *Pepragmena* 8, A'1, 245.

c) (Sakellariou, *CollGiam* 12); Yule, *ECS* 167 (Index: Vessels 12); J. Powell in *Laffineur – Crowley, Eikón* 313 f.



69/1938.752

Steatite, dark green with a large cream patch
 Three-sided prism. A border of a pair of
 scratched lines at each end and (not complete)
 behind each face.

L. 1.6, W. 1.4, 1.4, 1.5, Perf. 0.25

Condition good

?Crete (Acc. Reg.).

- a) Antithetic hooks with notched outer edges.
 b) A headless bird (Kenna: 'a bird with its head
 tucked under its wing') and a branch.



c) Two spiders side by side, one inverted, each with one front leg complete and the other a stump.

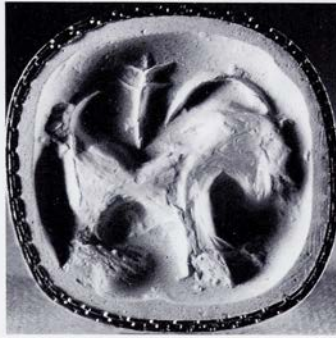
Comparanda: Side b: cf. CMS III,1 No. 152a; complete bird on 62a. Side c: see at 31c.

Bibliography: Kenna, CS 87 no. 3, pl. 1, 22 n. 10; idem, AA 1964, 916 n. 26, fig. 6a–c; idem, OpAth 8, 1968, 26, fig. 1; idem, Nestor 3, 1973, 829; Boardman, GGFR 26 f., fig. 28, 92, 388 = 406; Papapostolou, Sphragismata 146.

a) Yule, ECS 175 (Index: Abstracted...motifs 4).

b) Ruuskanen, Birds no. A1d.3, pp. 15, 17, 41, 50 f., 53, pl. 4 (crane).

c) M. H. Wiencke, AJA 73, 1969, 34 n. 10.



70/1938.743

Steatite, green with a few dark veins

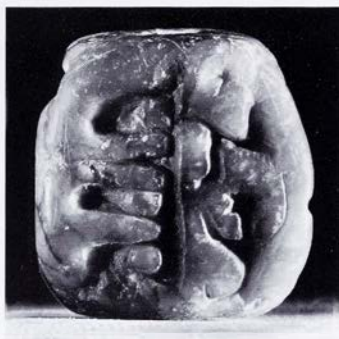
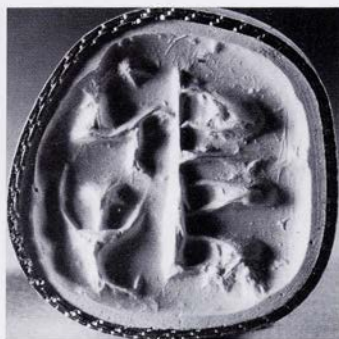
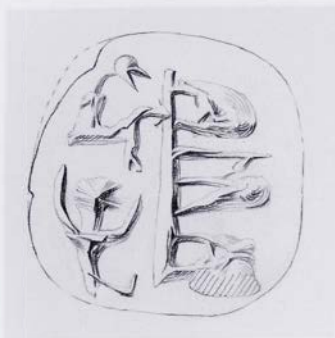
Three-sided prism. A border of a pair of scratched lines at each end.

L. 1.85, W. 1.8, 1.9, 1.7, Perf. 0.27

Condition good

?Crete (Acc. Reg.).

- a) A goat standing, showing two horns rather than one ear and horn. A branch (or arrow?) above.
 b) Two men facing each other; a curving notched line between them.



c) Two seated figures, the lower one with hands raised, the upper with his hand on an upright pole to which are attached three 'vessels' with insubstantial bodies, with a line between two of them.

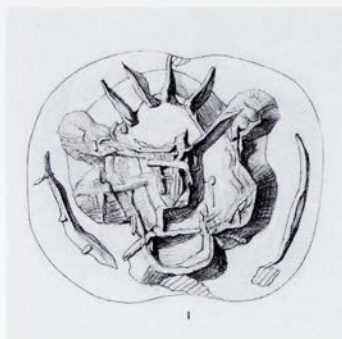
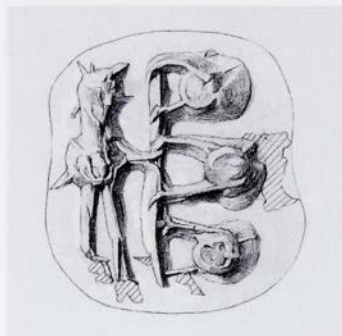
Comparanda: Subjects: Weingarten, Taweret 13 f., 17 (all); Goodison, DWS 52–54 (a, goat), 39–44 (c, vessels); c, loomweights(?), see at 36.

Bibliography: Kenna, CS 87 no. 2, pl. 1, 21, 73; idem, AA 1964, 916 n. 26, fig. 5a–c; idem, Nestor 3, 1973, 829; (M. H. Wiencke, AJA 73, 1969, 34 nn. 9, 10); Boardman, GGFR 388 = 406; Buchholz – Karageorghis, PrehGrCy 113 no. 1364, fig. 38a–c; Weingarten, Taweret 13 f., 17.

a) K. Branigan, Foundations of Palatial Crete (1970) 112 n. 1; Buchholz et al., ArchHom J, 56, 58 no. 2; Yule, ECS 123 (Index: Goats 13); E. Giannouli in Pepragmena 8, A'1, 245.

b) Yule, ECS 121 (Index: Men 19).

c) Otto, König Minos 163, 165, fig. 55b; Cultraro, L'anello di Minosse 218, pl. 21.



71/1938.742

Steatite, yellow with some brown veins

Three-sided prism. A line border at each end and around each face.

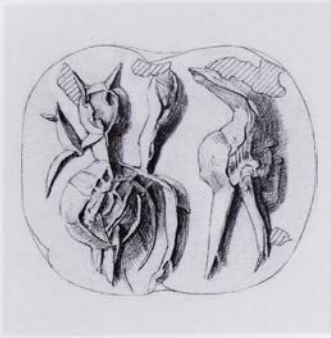
L. 2.3, W. 2.0 all sides, Perf. 0.55

Side b broken through to the perf. at the bird's body

Lasithi. Acquired by Evans probably 1898.

a) A man standing, holding or touching an upright pole to which are attached three 'vessels'.

b) Device difficult to describe, somewhat resembling the frontal head of a feline with bristling hair, open mouth and lines beside the cheeks; perhaps a boar's head with bristles and tusks?



c) An ant, upright, with a line beside its body (or a spider, as 31c, 69c?); a bird.

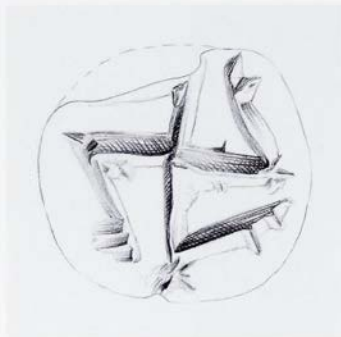
Commentary: Side b: J. Weingarten wonders very tentatively whether this might be an early Bes, imported from Egypt like Taweret etc. (pers. comm.). Cf. her remarks on boar masks and on Bes: Weingarten, *Zakro Master* 91 f., 97 f. n. 9, 101–3.

Comparanda: Subjects: Weingarten, *Taweret* 13 f., 17 (all); a, vessels: Goodison, *DWS* 39–44; a, loom-weights(?), see at 36.

Bibliography: Kenna, *CS* 87 no. 1, pl. 1, 21, 72; idem, *AA* 1964, 916 n. 26, fig. 4a–c; idem, *Nestor* 3, 1973, 829; Buchholz – Karageorghis, *PrehGrCy* 113 no. 1363a–c, fig. 38; (M. H. Wiencke, *AJA* 73, 1969, 34); Boardman, *GGFR* 388 = 406; Weingarten, *Taweret* 13 f., 17; Brown – Bennett, *Travels* 464, 468 f. no. 360. On manufacture: Evely, *Crafts* 149 f., pl. 33:4–5.

a) Yule, *ECS* 121 (Index: Men 22).

b) Kenna, *Talismanic* pl. 6:2.



72/1938.767

Steatite, brown with some yellow-green mottling; the dark colour superficial?

Three-sided prism

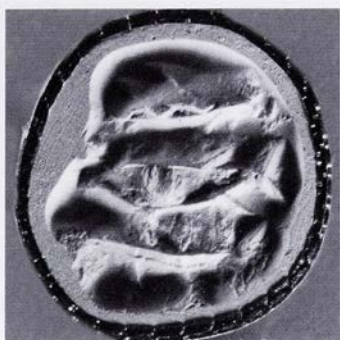
L. 1.3, W. 1.3, 1.25, 1.4, Perf. 0.3

Chip near perf.

?Crete (Acc. Reg).

a) A double axe.

b) A folded swastika, the ends of the arms like animal paws.



c) Three fish, one inverted.

Comparanda: Motif, b: Poursat, Quartier Mu III 105, pl. 63 (HM 2663); CMS III,1 Nos. 202c, 209b, (less close) 213b, 231a; XIII No. 89c.

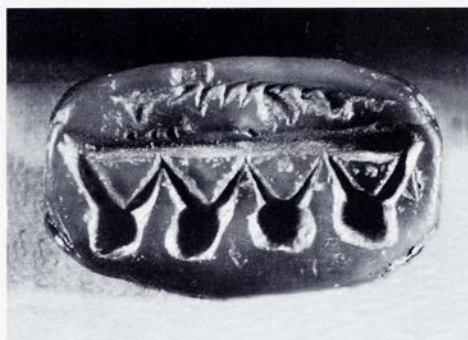
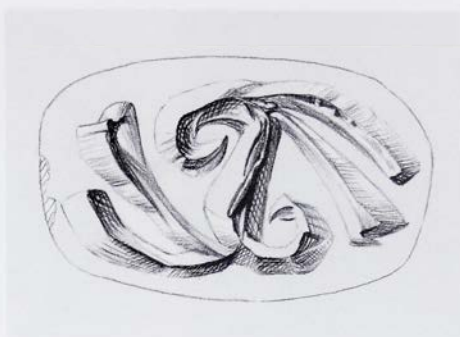
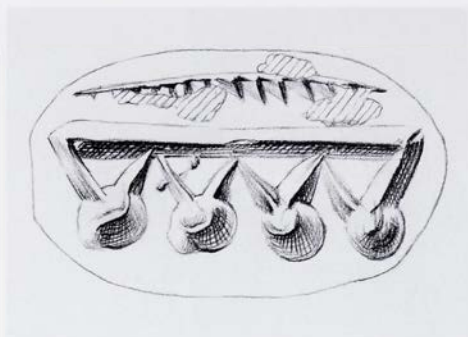
Bibliography: Kenna, CS 90 no. 20, pl. 2, 21; idem, Nestor 3, 1973, 829; Davis, Decipherment 288, fig. 244; Boardman, GGFR 388 = 406.

a) Yule, ECS 168 (Index: Double axes 4).

b) Matz, Siegel pl. VII:11; (Sakellariou, CollGiam 7);

Yule, ECS 156 (Index: Swastikas 3).

c) Buchholz et al., ArchHom J, 137 no. 8; Yule, ECS 136 (Index: Fish 4).



73/1938.768

Steatite, green with a few darker patches
Three-sided prism. Traces of a line border at
the ends.

L. 1.6, W. 1.0 all sides, Perf. 0.25

Condition good

?Crete (Acc. Reg.).

a) 'Pole with vessels' (four) and a notched line.
b) An S pattern from which spring two pairs of
buds.



c) Two birds with heads thrown back and spread tails, set antithetically. Two crescent cuts.

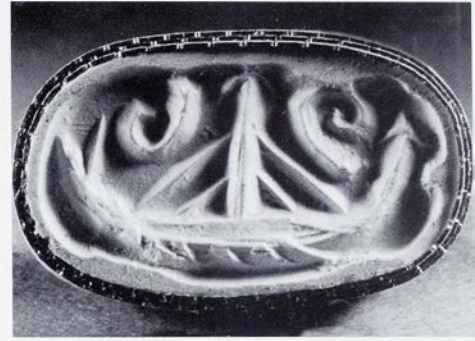
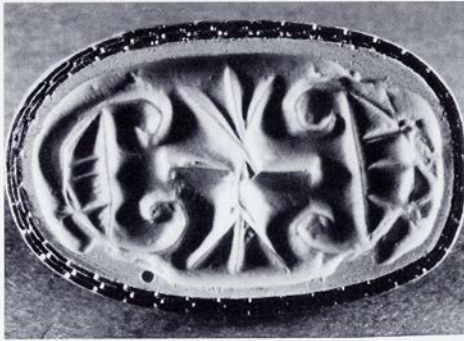
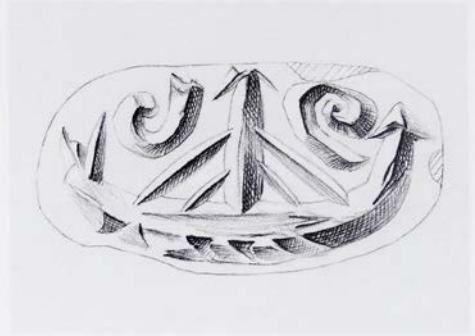
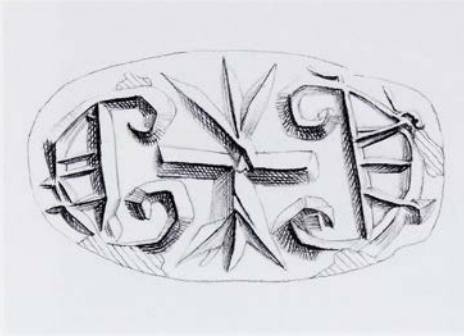
Comparanda: Subjects: Weingarten, Taweret 13 f., 17 (all). Motif and subject, a (loomweights?): cf. 68c and see at 36.

Bibliography: Kenna, CS 98 no. 69, pl. 4, 31, 33 n. 3; idem, Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Weingarten, Taweret 13 f., 17. On manufacture: Evely, Crafts 154.

a) Yule, ECS 167 (Index: Vessels 11); J. Powell in Lafineur – Crowley, Eikón 313.

b) O. Pelon, BCH 89, 1965, 8 n. 1; Yule, ECS 161 (Index: S-hooks and S-spirals 11).

c) Yule, ECS 133 (Index: Birds 15); Ruuskanen, Birds no. F1b.2, pp. 37, 51, 61 f., pl. 19 (waterbird, duck?); Vanschoonwinkel, Les animaux 379 no. 49.



74/1938.760

Steatite, black with a little olive green mottling

Three-sided prism. A line border at each end.

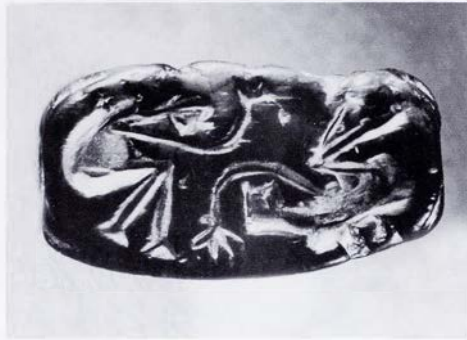
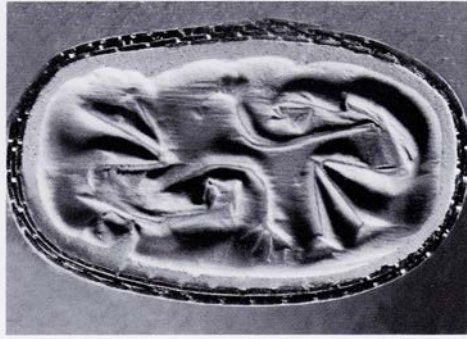
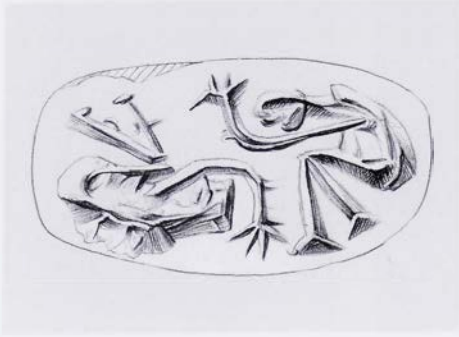
L. 2.0, W. 1.1, 1.05, 1.1, Perf. 0.3

Edges slightly chipped

?Crete (Acc. Reg.).

a) A double cross between two C spirals with hatched centres.

b) A ship with single mast, four stays and five oars marked. The high stern is split; the high prow and masthead have arrow-like terminals. Two spirals in the field above.



c) Two seated men with heads bent forward and one hand raised, set antithetically (rowers? cf. 35c).

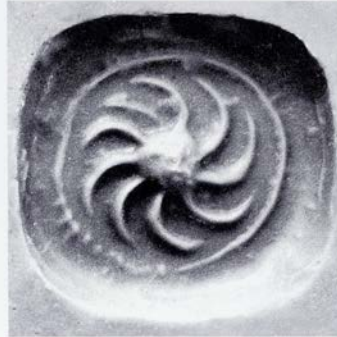
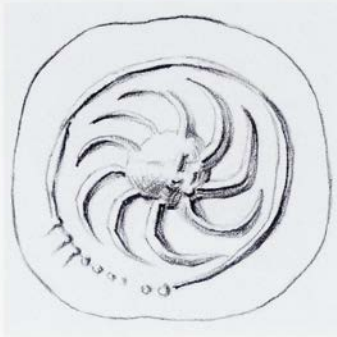
Comparanda: Motif, b: cf. CMS III,1 No. 26. Subjects, b, c: Goodison, DWS 34–36, 40 (boat, gesture). On style: see E. Thomas in CMS Beih. 6, 305–6 n. 2.

Bibliography: Kenna, CS 98 no. 71, pl. 4, 31, 33 n. 3, 44 n. 5; idem, Nestor 3, 1973, 829; J. J. Reich, JHS 86, 1966, 161, fig. 2; Boardman, GGFR 30 f., 97, 389 = 407, pl. 12; Goodison, DWS 35; E. Thomas in CMS Beih. 6, 305–6 n. 2.

a) Yule, ECS 148 f. (Index: Centrally radiating motifs 7).

b) (V. E. G. Kenna, Kadmos 2, 1963, 2); Faure, La Vie quotidienne 231 no. 4; Gray, ArchHom G, 16 no. B5, 40, 42, fig. 6; J. H. Betts in D. J. Blackman (ed.), Marine Archaeology (Colston Papers 23, 1973) 327, fig. 4; S. C. Humphreys, Classical Philology 72, 1977, 349; Yule, ECS 166 (Index: Ships and boats 3); (A. Sherratt in B. Cunliffe [ed.], Origins: The Roots of European Civilisation [1987] fig. 5.7, 62); Basch, Musée imaginaire 105, fig. G1; M. Wedde in Tropis 3, 491, fig. 5e; Wedde, Ship Imagery 333 f. no. 805; I. Vourexaki in Tropis 7, II, 802, 820, fig. 10g.

c) Yule, ECS 121 (Index: Men 32); Wingerath, Darstellung 23, 169 f. n. 57.



75/1910.238

Steatite, cream with dark mottling (similar to 51, 57, 64)

Three-sided prism. A line border at each end and extending partly around the faces.

L. 1.05, W. 0.95, 1.0, 0.9, Perf. 0.2

Condition good

From near Gortyn [43]. Acquired by Evans in 1895 or 1896.

- a) A man holding two spouted jugs, one shown on its side (drilled).
 b) A whorl of nine hooks in a rayed hoop. Drilled centre.



c) A goat.

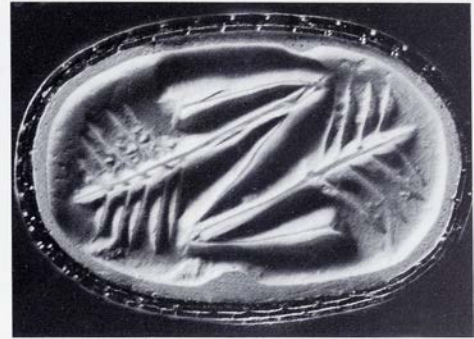
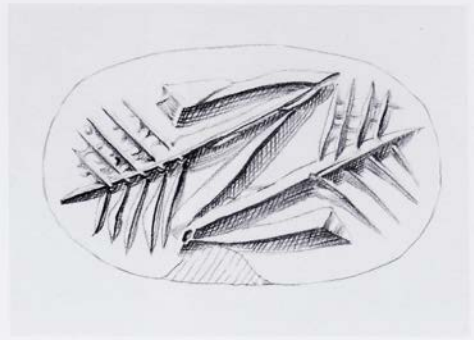
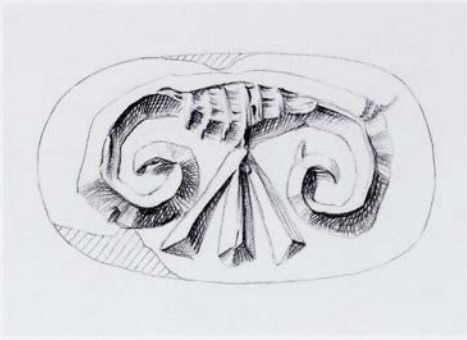
Comparanda: Motif, b: see at 41; C. Davaras, *AEphem* 1986, 29 n. 99. Subjects: C. Davaras, *AEphem* 1986, 28–31 (b, rayed whorl); Goodison, *DWS* 39–44 (a, vessels), 72–75 (b, rayed whorl), 52–54 (c, goat).

Bibliography: Evans, *JHS* 17, 1897, 331, pl. 9:4; Matz, *Siegel* pl. XX:4a–c; Vickery, *Food* 72 no. 4; (Sakellariou, *CollGiam* 13, 16); Kenna, *CS* 94 no. 46, pl. 3, 21; idem, *Nestor* 3, 1973, 829; Boardman, *GGFR* 388 = 406; Brown – Bennett, *Travels* 442 f. no. 247. On manufacture: Evely, *Crafts* 149 f.

a) Yule, *ECS* 121 (Index: Men 19).

b) D. Levi, *ASAtene* 19–20, 1957–58, 81; M. H. Wiencke, *AJA* 73, 1969, 34 n. 12; E. Grumach in *Pepragmena* 2, A', 296; Yule, *ECS* 165 (Index: Whirls 6).

c) K. Branigan, *Foundations of Palatial Crete* (1970) 112 n. 1; Yule, *ECS* 123 (Index: Goats 8).



76/AE 1216

Steatite, dark grey with a small cream-coloured patch

Three-sided prism

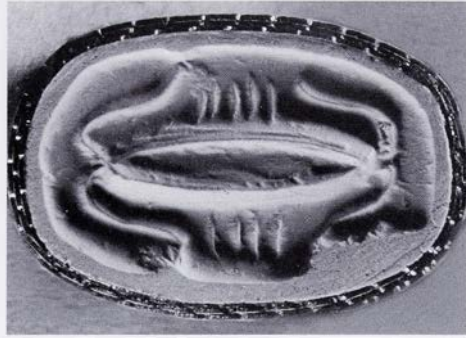
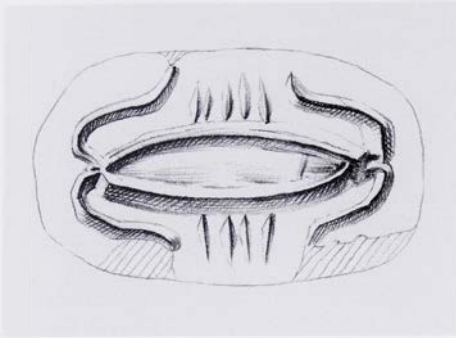
L. 1.7, W. 1.0 all sides, Perf. 0.26–0.3

Chipped at edges

Crete (Evans, JHS 14, 1894, 344). Acquired by Evans 1894. Given by him.

a) A C spiral, the centre part hatched, over a trefoil. Possibly a stylised frontal horned animal head, or a bird (cf. 78 b).

b) A Z pattern with floral sprays within each arm.



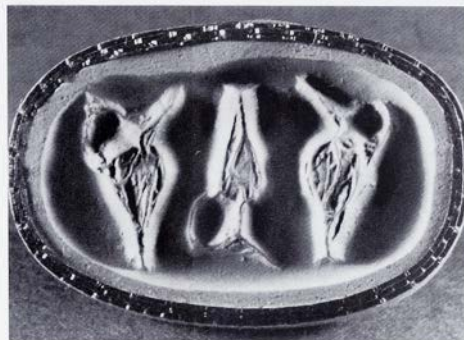
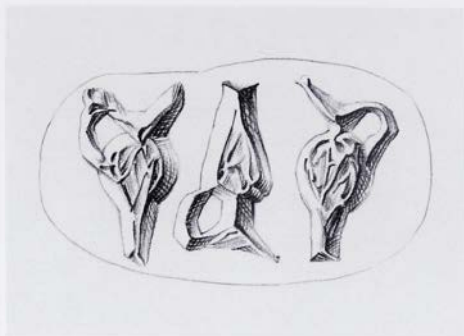
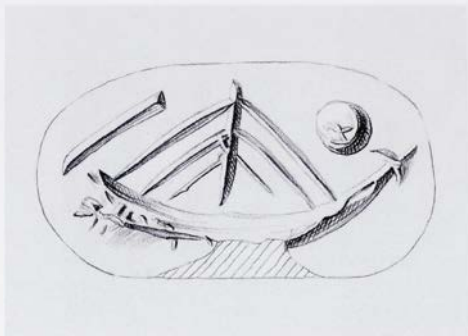
c) A long oval with pairs of horns at each end, somewhat suggesting conflated sheep's heads; hatching at either side.

Comparanda: Motif, a: cf. CMS III,1 No. 93a; XIII No. 88c; cf. A. Golan, *Myth and Symbol: Symbolism in Pre-historic Religions* (1991) 79–92. Motif, b: cf. CMS III,1 Nos. 205c, 222c (close); 240b (less close).

Bibliography: Evans, *JHS* 14, 1894, 327, fig. 49d, 344 f. fig. 71a–c; Evans, *SM* I 136, fig. 78d; *PM* I 201, fig. 150d; Matz, *Siegel* pl. XIX:1a–c; Kenna, *CS* 97 no. 67, pl. 4, 21 n. 8, 33 n. 3, 34, fig. 45d; idem, *Kadmos* 1, 1962, 8; idem, *Nestor* 3, 1973, 829; Boardman, *GGFR* 389 = 407. On manufacture: Evely, *Crafts* 154.

a) Sakellariou, *CollGiam* 26 at no. 160; Yule, *ECS* 159 (Index: C-hooks and C-spirals 4).

b) R. Zahn, *AA* 1901, 23; O. Pelon, *BCH* 89, 1965, 8 n. 1; Yule, *ECS* 165 (Index: Z-whirls 2).



77/1938.762

Steatite, brown mottled with black
 Three-sided prism. A line border at each end.
 L. 1.7, W: 0.9, 1.0, 0.9, Perf. 0.3
 Chipped at edge of sides a and c
 Eloúnda [24]. Acquired by Evans 1896.

a) A ship with a single mast and six stays, the high stern split. Above it are a dash and a drilled blob.
 b) Three spouted jugs, the narrower central one inverted.



c) A Z pattern with notched outer arms, a papyrus-like bloom above and below.

Comparanda: Motif, c: cf. CMS III,1 Nos. 223c, 240b; Subjects: Goodison, DWS 34–36 (a, ship), 39–44 (b, vessels); Boat with blob above: cf. CMS II,6 No. 177.

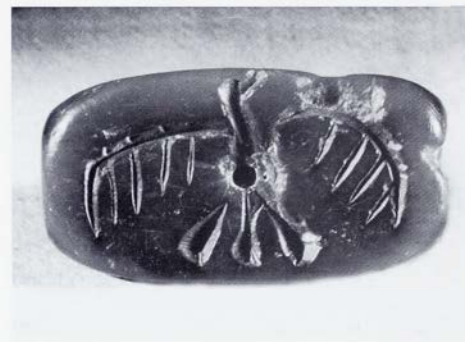
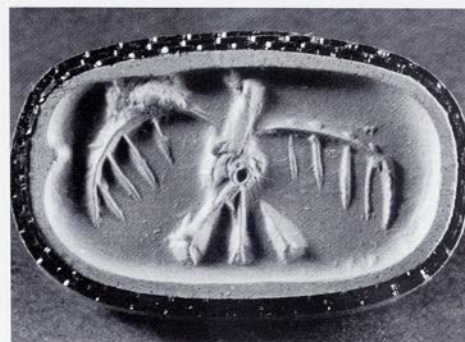
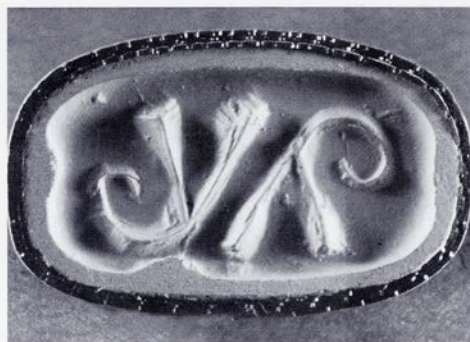
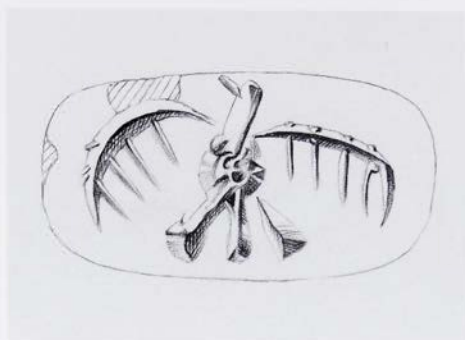
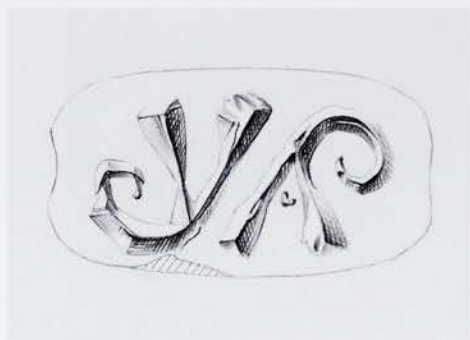
Bibliography: Evans, JHS 17, 1897, 334, fig. 3a; Evans, SM I 149, 203, P4a–c, pl. I; Stawell, CCS 97; Kenna, CS 97 no. 64, pl. 4; idem, Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; C. Davaras, AEphem 1973, 85 n. 2; Goodison, DWS 37, fig. 60b; Basch, Musée imaginaire 102, fig. D1; Wedde, Ship Imagery 333 no. 803; McGrail, Boats of the World 112 f.; Brown – Bennett, Travels 442 f. no. 249. On manufacture: Evely, Crafts 155.

a) Evans, AJA 11, 1896, 450; PM I 283, fig. 215Da; Evans, Early Nilotic 9 fig. 5; F. Moll, Das Schiff in der bildenden Kunst (1929) 63, pl. B.I.6; S. Marinatos BCH

57, 1933, 176 no. 34, 191, 209, 210, 214, pl. XV; G. S. Kirk, BSA 44, 1949, 126; M.-L. Erlenmeyer – H. Erlenmeyer, Orientalia 27, 1958, 363, fig. 87; C. Laviosa, ASAtene 31–32, 1969–70, 17–19, fig. 10 no. 34; Casson, Ships 40; Gray, ArchHom G, 15 no. B3, 40, fig. 6g; Yule, ECS 166 (Index: Ships and boats 3); C. Davaras, AEphem 1984, 68 f.; A. Raban, AJA 88, 1984, 12 ill. 2g; Poursat, Quartier Mu II, 211; Wachsmann, Seagoing Ships, 100 f., fig. 6.29 G, 109; G. Giorgianni in La Rosa et al., 'Επί Πόντον Πλαζόμενοι 334 no. 82; I. Vourexaki in Tropis 7, II, 802, 812 n. 49, 820, fig. 10h.

b) (V. Müller, Jdl 40, 1925, 90, fig. 9); (F. Chapouthier in Mélanges Glotz 193 n. 3); (Sakellariou, CollGiam 11); E. Grumach, BullJ RylandsLib 46/2, 1964, 367 f.; Yule, ECS 167 (Index: Vessels 2).

c) R. Zahn, AA 1901, 24; Yule, ECS 165 (Index: Z-whirls 1).



78/AE 1215

Steatite, green

Three-sided prism

L. 1.8, W. 0.9 all sides, Perf. 0.38

Edges chipped. On side b a small hole in the

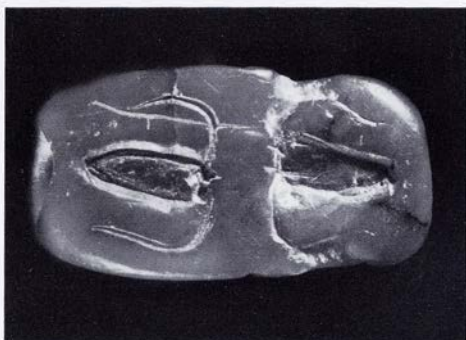
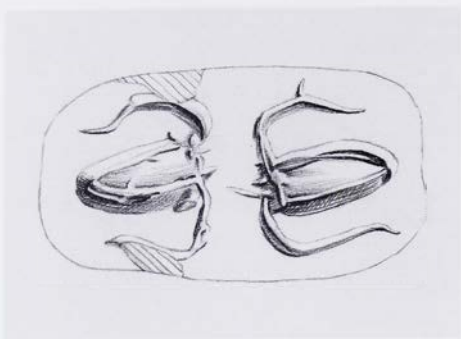
centre (bird's body) breaks through to the perf.

Central Crete (Evans, JHS 14, 1894, 344).

Acquired by Evans 1894. Given by him.

a) Two pairs of leaves springing from spirals, set antithetically.

b) A bird, frontal with spread wings.



c) Two horned animal heads, set antithetically top to top.

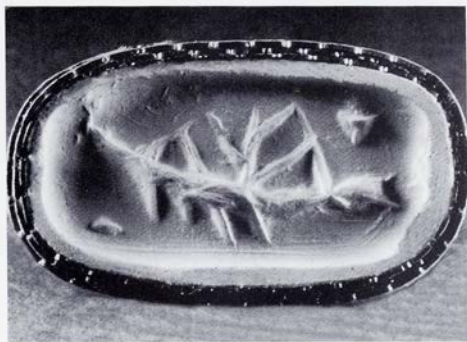
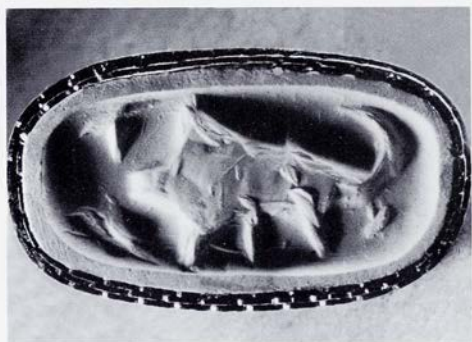
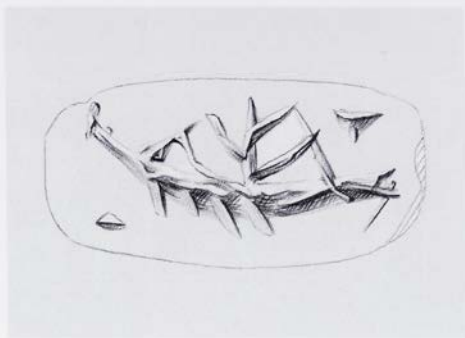
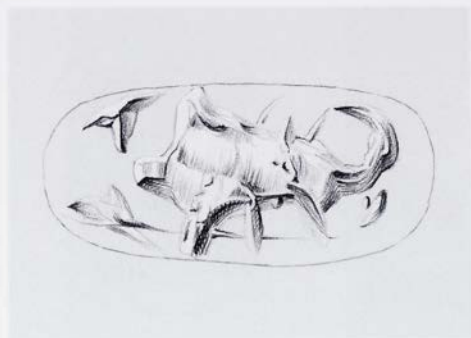
Comparanda: Motif, b: cf. CMS XIII No. 87c; (less close) III,1 No. 170a. Motif, c: see at **30b**.

Bibliography: Evans, JHS 14, 1894, 327 f., fig. 49f, 344 f. fig. 70a–c; Evans, SM I 11 fig. 5c, 136, fig. 78f; PM I 201, fig. 150f; Matz, Siegel pl. XIX:3a–c; Kenna, CS 97 no. 68, pl. 4, 21 n. 8, 33 n. 3, 34, fig. 45f; idem, Kadmos 1, 1967, 8; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407.

a) O. Montelius, Konung Minos' Palats, Nordisk Tidskrift för Vetenskap, Konst och Industri (1905), 132, fig. 46; (D. Levi, ASAtene 19–20, 1957–58, 97); Yule, ECS 142 (Index: Petaloid and multiple loops 5).

b) C. Krüger, Der fliegende Vogel in der antiken Kunst (1940) 28, 30–2, pl. 5, no. I,5; Yule, ECS 133 (Index: Birds 12); Onassoglou, DtS 146 n. 845; Ruuskanen, Birds no. B1.3, pp. 20 f., 41, 50 f., 56, pl. 6; Vanschoonwinkel, Les animaux 379 no. 49.

c) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398); Yule, ECS 125 (Index: Bulls 1).



79/1925.57

Steatite, black

Three-sided prism

L. 1.65, W. 0.75, 0.75, 0.8, Perf. 0.35

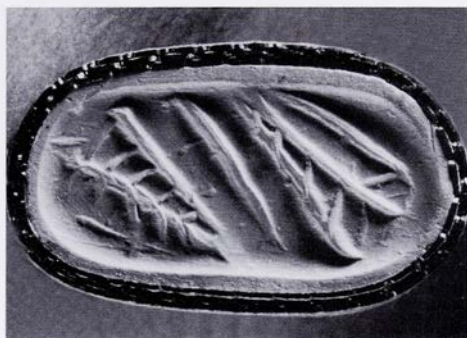
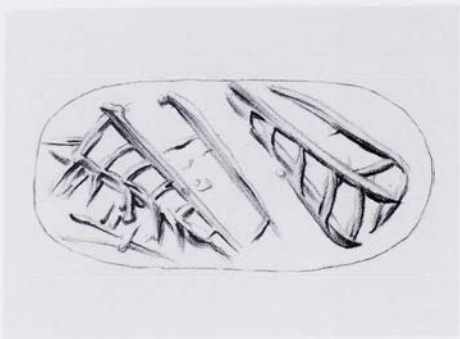
Condition good

Procured in Athens by A. M. Woodward.

Bought from him.

a) A scorpion.

b) A ship with a raised, pointed stern, single mast and two long stays. Lines from the mast and deck run to the stays and give the appearance of sails. Four oars, and small cuts in the field.



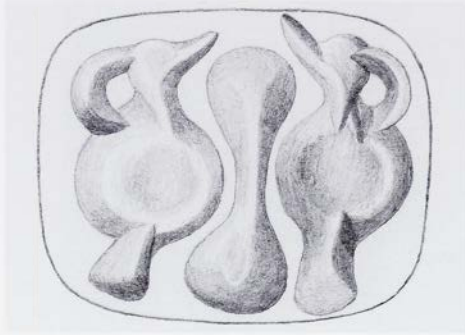
c) Two triangular ribbed leaves set antithetically with an oblique line between.

Comparanda: Side a, scorpion: cf. CMS II,2 No. 153c; III,1 No. 200a; IX No. 19a. Kenna describes it as a fish with scorpion's tail; followed by Buchholz et al. Not included with scorpions or fish in Yule, ECS 134-6.

Bibliography: Kenna, CS 97 no. 66, pl. 4, 21 n. 8, 33 n. 3; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407.

a) Buchholz et al., ArchHom J, 141 no. 54.

b) Gray, ArchHom G, 16 no. B4; G. Giorgianni in La Rosa et al., Ἐπί Πόντον Πλαζόμενοι 334 no. 83; Wedde, Ship Imagery 333 no. 804.



80/1980.283

Steatite, yellow-buff

Three-sided prism

L. 1.42, W. 1.14, 1.47, 1.14, Perf. 0.28

Condition good

No prov. Bequeathed by Miss Edith Eccles.

a) Two single-handled, pedestal-based jugs placed antithetically either side of a vertical 'column' with roughly circular ends.

b) Two waterbirds placed antithetically, their bodies and feathers indicated by roughly circular areas deeply cut with horizontal striations, and their legs, tails and long necks by simple lines; dot at one end of the field.



c) A boar standing with head down.

Comparanda: Central 'column', a: cf. **61a**; CMS II,5 No. 38; III,1 No. 198c. Motif, b: cf. CMS III,1 No. 174c. Motif, c: cf. **32b**, CMS III,1 No. 54a; also **61b**, **81b**; see Yule, ECS 126 f. (Boars).

Unpublished.

† J. H. Betts



81/1980.284

Steatite, yellow-brown with dark grey

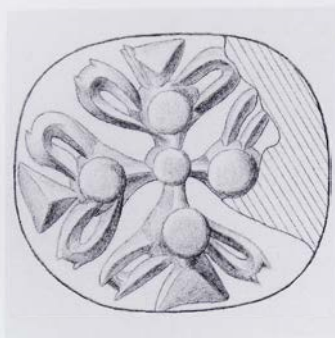
Three-sided prism

L. 1.48, W. 1.22 all sides, Perf. 0.23

One end of sides a and c broken off

No prov. Bequeathed by Miss Edith Eccles.

- a) A lion crouching or running with head turned back.
 b) Two boars standing with heads down, placed feet to feet and facing in the same direction

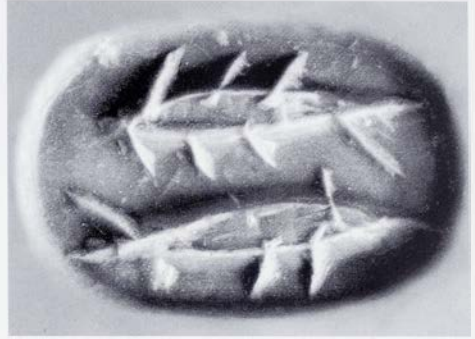
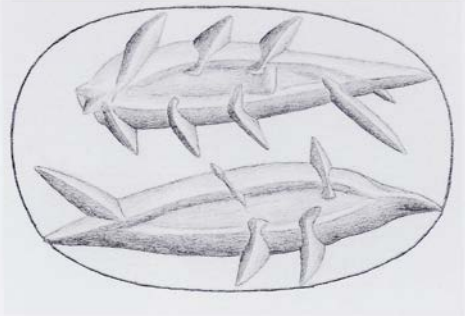
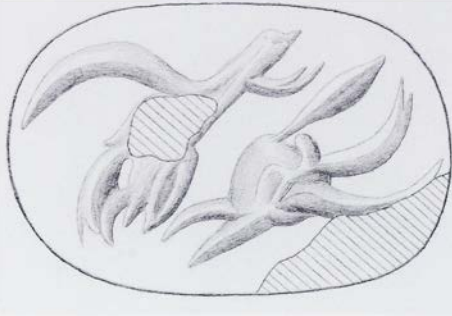


c) A pattern formed by four two-handled vessels, their bases radiating from a central dot.

Comparanda: Motif and style, a: see at **58a**. Motif, b: cf. **32b**, **61b**, **80c**; see Yule, ECS 126 f. (Boars). Motif and composition, c: cf. CMS II,2, Nos. 2c, 245a (close); composition, cf. CMS IX No. 25c.

Unpublished.

† J. H. Betts



82/1980.285

Steatite, pale yellow-buff with a darker yellow-grey patch

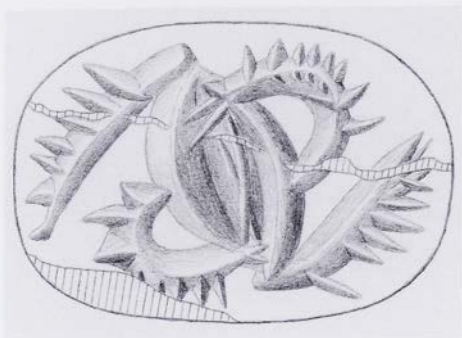
Three-sided prism

L. 1.69, W. 1.12, Perf. 0.28

Edge of sides a and c chipped off for about 1/3 of its length. A crack on side c along the line of the perf.

No prov. Bequeathed by Miss Edith Eccles.

- a) Two goats' heads in profile placed antithetically.
b) Two fish placed antithetically.

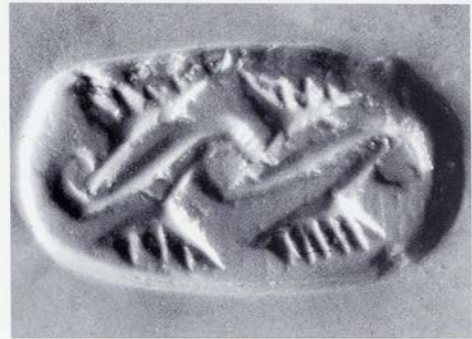
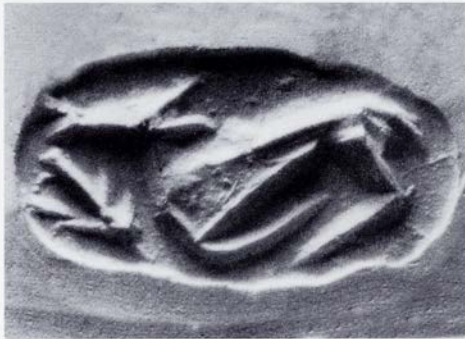
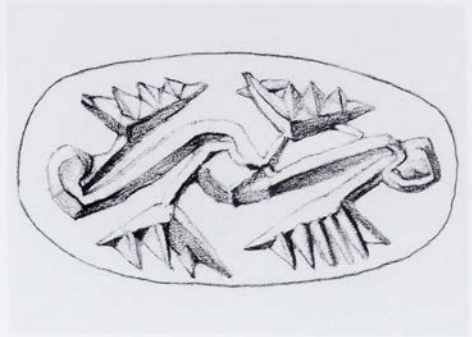
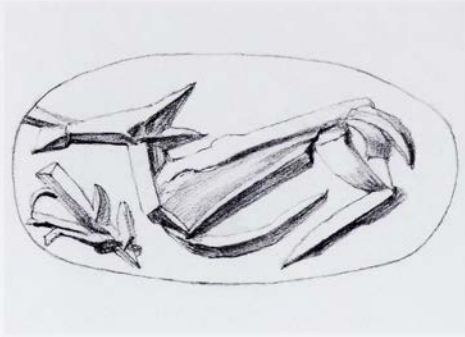


c) A pattern consisting of a lenticular shape at the centre with roughly semicircular lines on each side and straight lines extending from each end; these lines have spiky striations along one side, perhaps representing foliage.

Comparanda: Motif, a: cf. 40b. Motif, b, c: cf. 46a.

Unpublished.

† J. H. Betts



83/1941.219

Sepiolite or a related clay mineral. Light grey-green, very light in weight

Three-sided prism. A line border at each end.

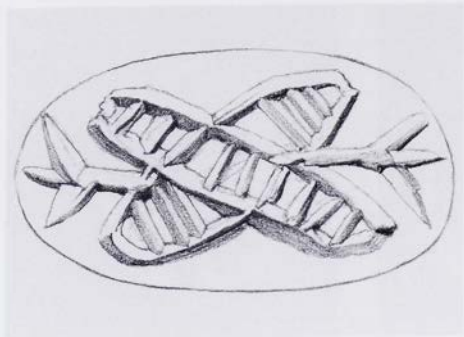
L. 1.7, W. 0.95, 0.95, 0.9, Perf. 0.28, 0.3

Condition good. Small traces of red soil adhering, which perhaps resembles that of Mallia (I. Pini, pers. comm. after autopsy)

Crete (Acc. Reg).

a) A kneeling goat, a branch before it.

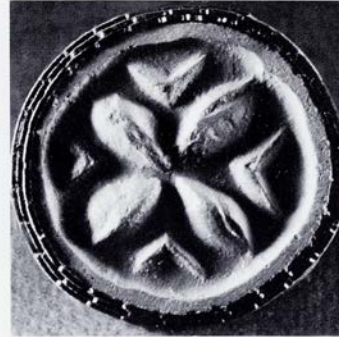
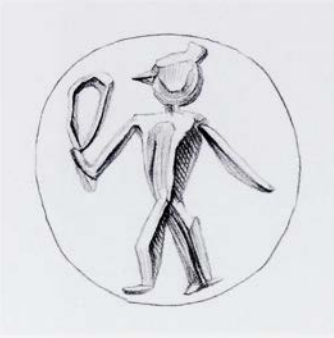
b) A pair of linked S-scrolls with four fringe-like 'branches' linked to the heads.



c) Hatched ovals forming an X. A trefoil at each end.

Comparanda: Motif, a: cf. CMS II,2 Nos. 122, 125 (goat's muzzle, foreleg and pose); b: cf. CMS II,1 No. 145c; II,2 Nos. 184b, 187b, 133b (less close); c: cf. CMS II,2 Nos. 121, 141, 187a. Material: cf. CMS V Suppl. 3,2 No. 374; see Pini, Skarabäen 109; I. Pini in Pepragmena 6, A'2, 123-5; H. Hughes-Brock in CMS Beih. 6, 111.

Bibliography: Kenna, CS 154; H. Hughes-Brock in CMS Beih. 6, 110 f., fig. 2a-c.



84/1938.751

Serpentine, grey-green

Three-sided prism. A well cut line border at each end.

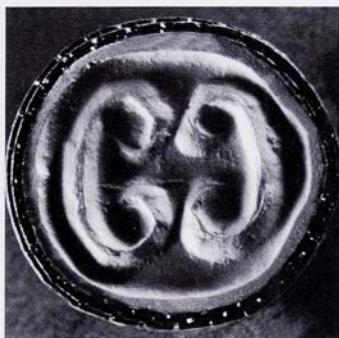
L. 1.1, W. 1.15 all sides, Perf. 0.2

Condition good

?Crete (Acc. Reg.).

a) A man holding an upright oval object (Wingerath suggests a sling).

b) Quatrefoil with chevrons between the leaves.

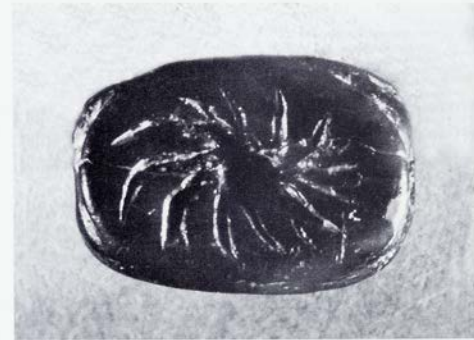
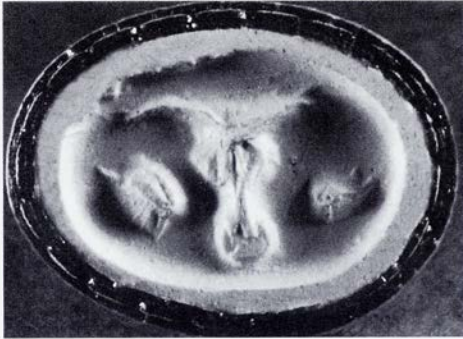
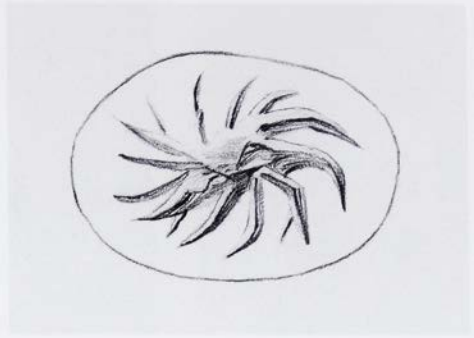
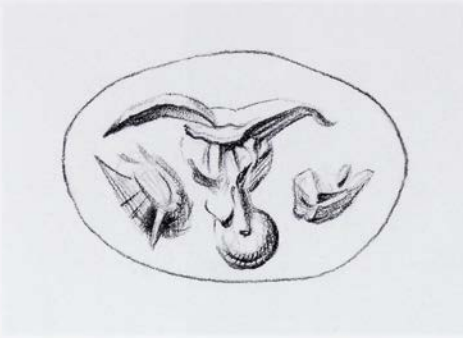


c) Two C spirals.

Commentary: Sides a and c look somewhat unconventional for prisms and leave one puzzled as to the background of this piece. See Sbonias, Frühkretische Siegel 99?

Comparanda: Subject, a: see Wingerath, Darstellung 28 f. (hunting?). Side a) short-legged man cf. CMS II,1 No. 145a. Motif, b: cf. 53a, CMS II,1 No. 252b, II,5 Nos. 213-220, II, 8,1 No. 53. Motif, c: cf. CMS II,5 No. 194. Shape (squarish), motifs b and c: cf. generally CMS II,1 No. 92.

Bibliography: Kenna, CS 102 no. 103, pl. 5:31; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Wingerath, Darstellung 29, 173 n. 92.



85/1938.765

Steatite, mottled black and olive green

Three-sided prism. A line border at each end.

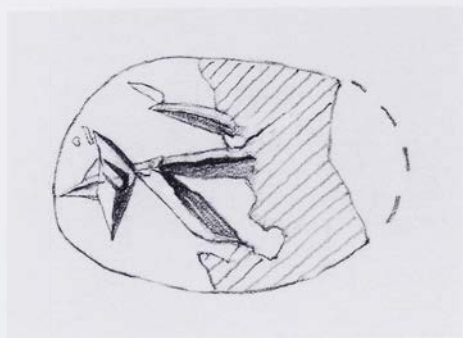
L. 0.9, W. 0.60, 0.65, 0.65, Perf. 0.15

Condition good

Psychró Cave [28]. Found and acquired by Evans probably in 1898.

a) Frontal head of a bull, a drop-shaped cut to each side of it.

b) A whorl of eleven hooks.



c) A quadruped, probably a goat, the forepart missing.

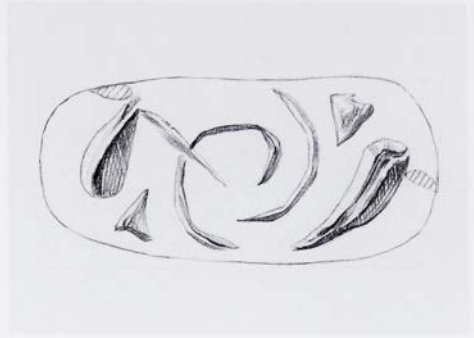
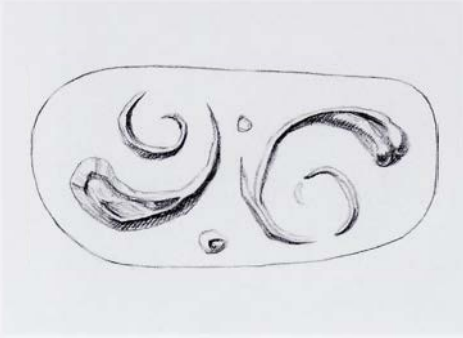
Comparanda: Motif, b: see at 41. Subjects: Goodison, DWS 72–75 (b, rayed whorl), 52–54 (c, goat). Seals from sanctuaries: Younger, Phylakopi Seals 294 f.

Bibliography: Kenna, CS 94 no. 47, pl. 3; idem, Nestor 3, 1973, 829; Faure, Fonctions 152 n. 3; Boardman, CCO 68 f., no. 284, pl. 24; Boardman, GGFR 389 = 407; Brown – Bennett, Travels 465, 470 f. no. 378.

a) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398); Yule, ECS 125 (Index: Bulls 2); Marinatos, MSR 12; E. Giannouli in Pepragmena 8, A'1, 245.

b) Boardman, IG 153 n. 2; Yule, ECS 165 (Index: Whirls 6).

c) E. Giannouli in Pepragmena 8, A'1, 245.



86/1941.85

Steatite, light grey-green with dark streaks

Three-sided prism

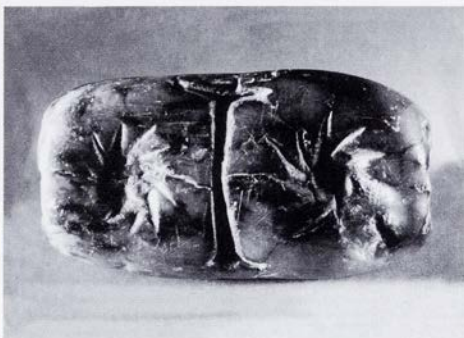
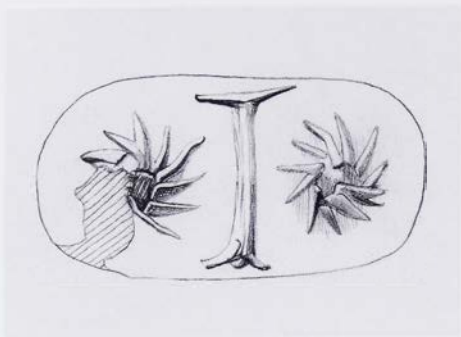
L. 1.75, W. 0.9, 0.85, 0.9, Perf. 0.35

Condition good

Uncertain locality (Evans, JHS 14, 1894, 292).

a) Two spirals (the lines not continuous) ending in buds or leaves; two dots in the field.

b) Two spirals (the lines not continuous) ending in buds or leaves; two triangular cuts in the field.



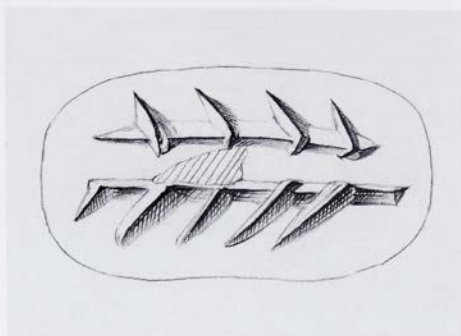
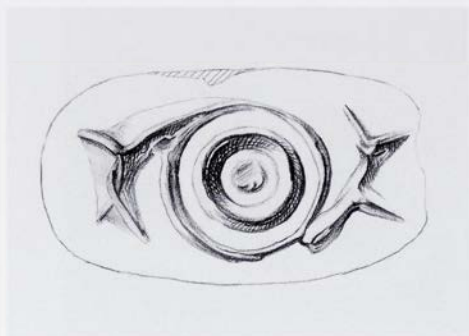
c) Two whorls divided by a crosswise line suggestive of a pillar with base and a flat capital.

Comparanda: Composition, c : cf. e.g. **88b**, CMS II,2 Nos. 124a, 198a.

Bibliography: Evans, JHS 14, 1894, 292 fig. 27a–c, 312; Kenna, CS 33 n. 3, no. 100, pl. 5; idem, Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Younger, Middle Phase 69 f., 103, 144. On manufacture: Evely, Crafts 154.

a) Yule, ECS 142 (Index: Petaloid and multiple loops 5).

c) M. H. Wiencke, AJA 73, 1969, 34 n. 12; Platon – Pararas, Pedestalled Offering Tables 37, pl. 14i; Otto, König Minos 299, fig. 107b.



87/AE 1191

Steatite, cream-coloured (not unlike 38, also 30, 44, 65, 68)

Three-sided prism

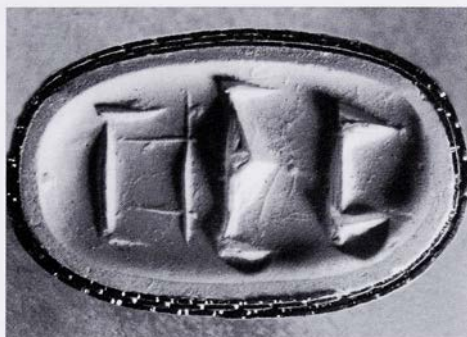
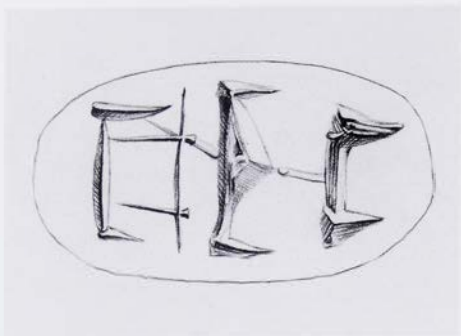
L. 1.75, W. 1.0 all sides, Perf. 0.45

Perf. broken through near centre of face b

'Praisos'[9], bought by Evans at Vavéles (Nea Praisos) 1894.

a) Two concentric hoops (tubular drill), the central blob drilled through to the perf.; from them spring two branches.

b) Two parallel branches placed lengthwise on the stone.

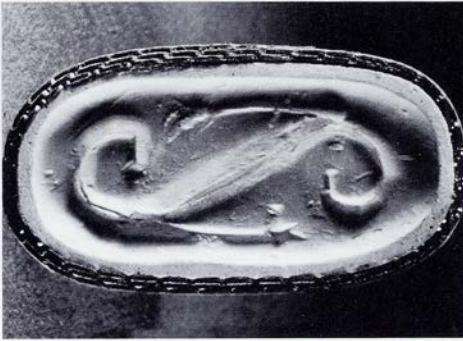
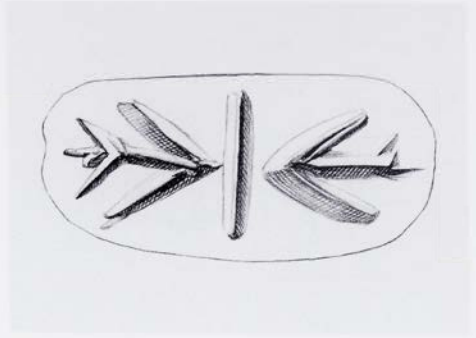
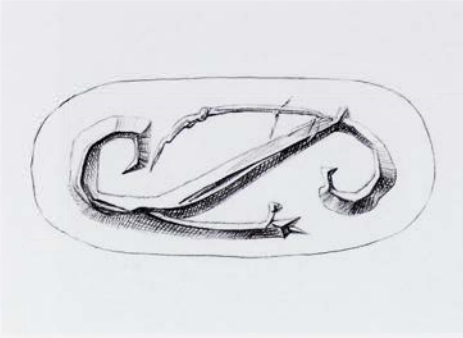


c) Hieroglyphic signs.

Bibliography: Evans, JHS 14, 1894, 293, fig. 29a–c; Evans, SM I 150 P8a–c, pl. I; R. Zahn, AA 1901, 23; Stawell, CCS 97; (D. Levi, ASAtene 19–20, 1957–58, 64); Kenna, CS 98 no. 70, pl. 4, 21 n. 8, 34; idem in Brice, Europa 174; idem, Nestor 3, 1973, 829; Goodison, DWS 46, fig. 87c; Olivier – Godart, CHIC no. 239; J. Best, Talanta 28–29, 1996–97, 108–110, fig. 1; Brown – Bennett, Travels 416 f. no. 90.

a) R. Zahn, AA 1901, 23; D. Levi, ASAtene 19–20, 1957–58, 64 (where comparanda); Yule, ECS 162 (Index: Zweipässe 4), see also 143 f. Tubular Drill Ornament.

c) F. M. Stawell, AJA 28, 1924, 126, pl. 6 P8b.



88/1910.233

Steatite, greenish-white with a few dark veins

Three-sided prism

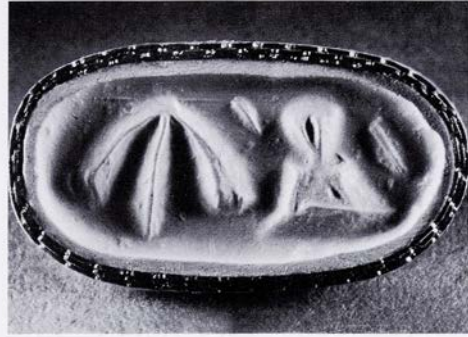
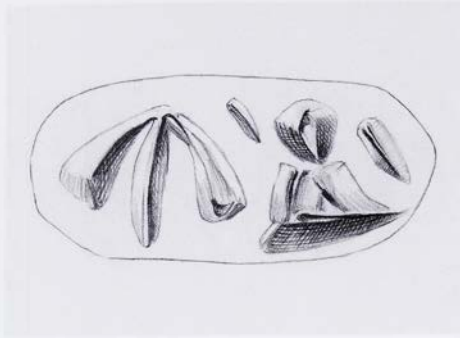
L. 1.95, W. 0.9 all sides, Perf. 0.3

Condition good

Lasithi (Evans, SM I, 149).

a) An elongated S-spiral from which spring two long stems with trefoil tips.

b) Two arrows opposed (Hieroglyphic sign 049?) with a line between.



c) Hieroglyphic signs.

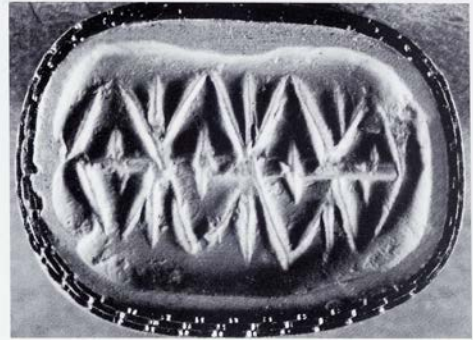
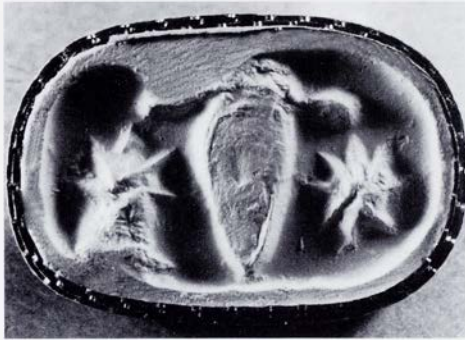
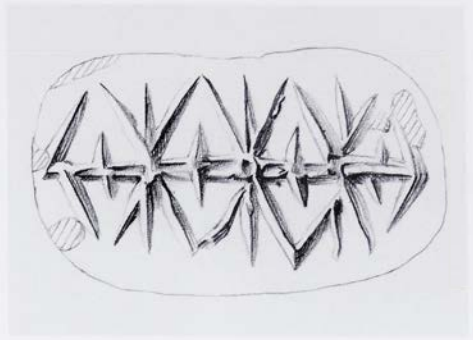
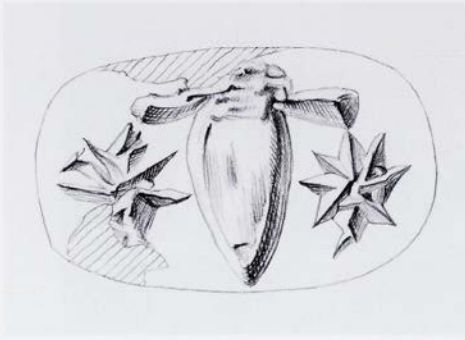
Comparanda: Motif, a: cf. CMS III,1 Nos. 188c, 195b, 233b. Motif, b: cf. CMS II,2 Nos. 187a, 313b.

Bibliography: Evans, SM I 128 f., fig. 65G (tab. XII), 149 P2a-c, pl. I; PM I 124, fig. 92G; Evans, Early Nilotic 29, fig. 28G; Stawell, CCS 29 fig. 3, 33, 96; Kenna, CS 101 f. no. 99, pl. 5, 31, 33 n. 3; idem, Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829; O. Pelon, BCH 89, 1965, 8 n. 1; Boardman, GGFR 389 = 407; P. Meriggi, Kadmos 12, 1973, 126 f., pl. V; Younger, Middle Phase 41, 48, 71, 89, 101, 106 f., 114, 117, 133, 143; Olivier - Godart, CHIC no. 226.

a) Yule, ECS 161 (Index: S-hooks and S-spirals 11).

b) E. Grumach, Kadmos 1, 1962, 153.

c) Yule, ECS 172 (Index: Miscellaneous motifs 7); J. G. Younger, Minos 31-32, 1996-97, 391 n. 48.



89/AE 1223

Steatite, whitish

Three-sided prism. A line border at each end.

L. 1.7, W. 1.0 all sides, Perf. 0.3

Edges chipped

?Prov. (Acc. Reg.)

No history 1910.

a) Summary frontal head of a bull; an eight-armed star to each side of it.

b) A repeating linear pattern of lozenges and cross-bars, short and long.



c) An S pattern with hatched centre piece and leaf terminals.

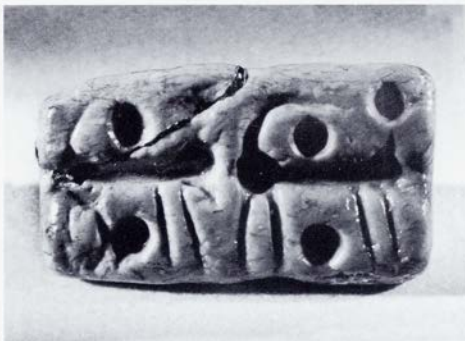
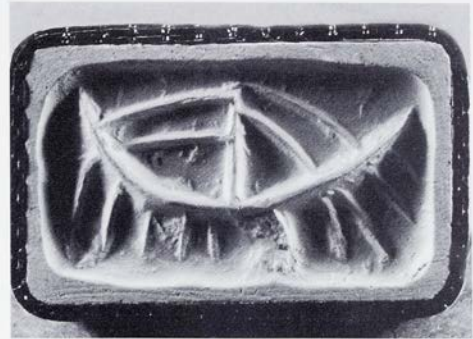
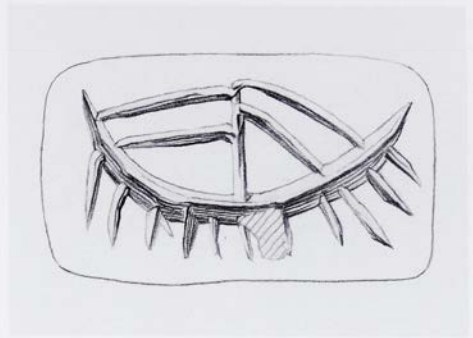
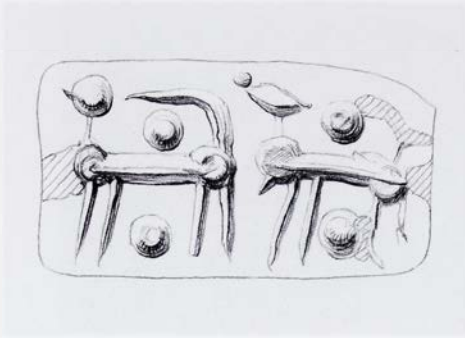
Comparanda: Motif, c: cf. CMS III,1 No. 186b.

Bibliography: Kenna, CS 97 no. 65, pl. 4, 21 n. 8, 31, 33 n. 3; idem, Nestor 3, 1973, 829; Boardman, GGFR, 389 = 407. On manufacture: Evely, Crafts 154.

a) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398); Yule, ECS 125 (Index: Bulls 2); Onassoglou, DtS 125 n. 725.

b) Yule, ECS 148 f. (Index: Centrally radiating motifs 7).

c) Yule, ECS 161 (Index: S-hooks and S-spirals 5).



90/1910.227

Steatite, white

Three-sided prism with markedly rectangular faces

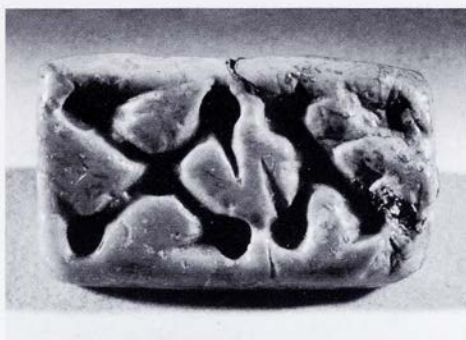
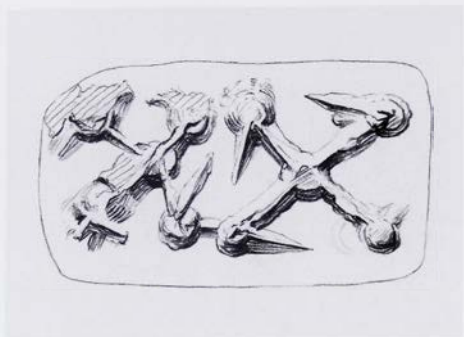
L. 1.8, W. 1.0, 1.05, 1.05, Perf. 0.25

Small damaged patches on the faces

Mirabello Eparchy (Kenna, CS at no. 55, citing label on an old impression).

a) Two animals (goats?) facing each other; five drilled blobs in the field.

b) A ship with one mast, four stays and eleven oars.



c) Two crosses with blob ends resembling heads.

Comparanda: Subjects: Goodison, DWS 52–54 (a, goats), 34–36 (b, boats).

Bibliography: Kenna, CS 95 no. 55, pl. 3; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Goodison, DWS 35, 53, fig. 55b.

b) Gray, ArchHom G, 15 no. B1, 40, 42, fig. 6h; (J. H. Betts in D. J. Blackman [ed.], Marine Archaeology [Colston Papers 23, 1973] 327); (Long, Sarcophagus 52 n. 49); (Papapostolou, Sphragismata 119); Yule, ECS 166 (Index: Ships and boats 3); A. Raban, AJA 88, 1984, 12 ill. 2h; Basch, Musée imaginaire 105, fig. G2; G. Giorgianni in La Rosa et al., 'Επί Πόντον Πλαζόμενοι 334 no. 78; Wedde, Ship Imagery 333 no. 801.

c) Yule, ECS 175 (Index: Abstracted...motifs 9).



91/AE 1777

Agate, opaque whitish (probably natural colour)
 Three-sided prism, faces outlined with a groove
 L. 1.83, W. 0.95 all sides, Perf. 0.3
 Small damaged patches on sides a and b
 Eastern Crete. Acquired by Evans 1894.

Hieroglyphic signs.



Comparanda: Motifs, a, dog's head cf. CMS II,8 Nos. 37, 75; a, 'Template' sign see Goodison, DWS 86. On colour of the stone cf. P. Yule, Kadmos 16, 1977, 63.

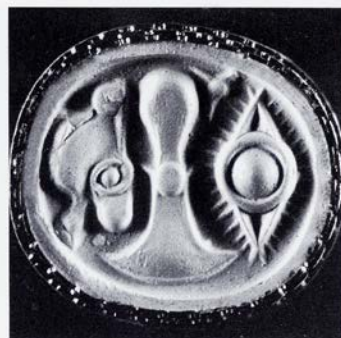
Bibliography: Evans, JHS 14, 1894, 288, fig. 20a, 291, fig. 23a-c; Evans, SM I 139, fig. 80, 153 P24a-c, pl. II; PM II 203, fig. 112b, c; R. Zahn, AA 1901, 21 f.; O. Montelius, Konung Minos' palats, Nordisk tidskrift för Vetenskap, Konst och Industri (1905) 131 f., fig. 44a-c; Hall, AegA 214-6, fig. 90; F. M. Stawell, AJA 28, 1924, 136, 139, pl. 6, P24a, b; Stawell, CCS 78, 98 fig. 4; N. Platon, KretChron 5, 1951, 409, fig. 27e; Kenna, CS 111 no. 166, pl. 7; idem, Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829; E. Grumach, BullJ RylandsLib 46/2, 1964, 353-360 passim, 367, 373-80 passim, 384 figs. 3:VIa, 7:IIIa, 11i, j; idem in Minoica 165, 168 f. n. 16, 174, pl. 1, 185; O. Pelon, BCH 89, 1965, 3, 7; Davis, Decipherment 123 f., fig. 60; idem, Greece and Rome 11, 1964, 116 f., fig. 9; Boardman, GGFR 389 = 407; P. Meriggi, Kadmos 12, 1973, 128, pl. V; (D. W. Packard, Minoan Linear A [1974] fig. 1); M. Pope, The Story of Decipherment: from Egyptian Hieroglyphic to Linear B

(1975) 148, ill. 93); P. Yule, Kadmos 16, 1977, 63 n. 29; Yule, ECS 67 (22b Three-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); Goodison, DWS 86, fig. 182c; Younger, Middle Phase 41, 54, 106-8, 111 f., 114 f., 117, 123, 143, 150 (Palaiakastro Cat, Dog Head), 151 (Double Axes), 166 (Palmettes, 'Template'); Olivier - Godart, CHIC no. 255; J. Best, Talanta 28-29, 1996-97, 120, fig. 12; (S. Hiller in Im Labyrinth des Minos 126 f., fig. 109); Brown - Bennett, Travels 434 f., no. 212; F. C. Woudhuizen, Kadmos 41, 2002, 124. On manufacture: Evelyn, Crafts 155.

a) (Buchholz et al., ArchHom J, 43 n. 152); J. J. Reich in Brice, Europa 253 f.; Yule, ECS 130 (Index: Dogs and/or wolves 2), 172 (Index: Miscellaneous motifs 8); Olivier - Godart, CHIC no. 255.

b) (E. Grumach, Kadmos 2, 1963, 94); M. Pope in Atti-CongMic I, i, 440; Hood, APG 215, 218, fig. 213c; (J. H. Betts - J. T. Hooker, SMEA 17, 1976, 15 n. 22); Yule, ECS 172 (Index: Miscellaneous motifs 8).

c) A. Xenaki, KretChron 3, 1949, 83 n. 23.



92/1938.792

Jasper, green

Three-sided prism, faces outlined with a groove

L. 1.4, W. 1.2 all sides, Perf. 0.31

Small damaged patch on side a

Candia district [39] (PM I 277).

a) A woman wearing a cap and a full skirt, with hands raised. Before her a hoop and dot with tangential dotted lines. Behind her Hieroglyphic signs.
b) and c) Hieroglyphic signs. The eyes were not made with a tubular drill.



Comparanda: Subject: Goodison, DWS 16–18, 32; Wingerath, Darstellung 224 n. 429 (with comparanda). Side a, beaded shaft: cf. CMS II,8 No. 33.

Bibliography: Kenna, CS 112 no. 167, 39 nn. 4–5, 40 n. 5, pls. 7, 22; idem, Kadmos 1, 1962, 8; (idem, Kadmos 2, 4 n. 9); idem, Nestor 3, 1973, 829; E. Grumach, BullJ-RylandsLib 46/2, 1964, 349, 351 f., 361, 366–9, 376–9, 382–4, figs. 2:Ib–c, 7:VIIa–b, 9:VIb, 10:IIIc; O. Pelon, BCH 89, 1965, 3; Davis, Decipherment 296 f., fig. 251; J. J. Reich in AttiCongMic I, i, 459; (J. A. Sakellarakis, PZ 45, 1970, 189 n. 399); Boardman, GGFR 34, 98, 389 = 407, pl. 27; P. Meriggi, Kadmos 12, 1973, 125, pl. V; Yule, ECS 67 (22b Three-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); Otto, König Minos 255–7, fig. 91a–c.

a) PM I 276 fig. 207k; PM II 33 fig. 15; Matz, Siegel 105; Stawell, CCS 47 fig. 5, 55; Nilsson, MMR² 233; D. Levi, ASAtene 19–20, 1957–58, 129; E. Grumach, For-

schungen und Fortschritte 36/4, 1962, 115; V. E. G. Kenna in Brice, Europa 177; Marinatos, ArchHom A, 26 n. 139; Marinatos, ArchHom B, 7 n. 33, 11; (J. L. Benson, Horse, Bird and Man [1970] 58, pl. XV:5); Hood, Minoans 97 fig. 62; Yule, ECS 120 f. (Index: Men 46), 125 (Index: Bulls 5), 162 (Index: Zweipässe 7); Onassoglou, DtS 188 n. 1008; Goodison, DWS 16–18, 32, 73, 128, fig. 26a; Younger, SMEA 28, 1990, 93; Younger, Middle Phase 21, 54, 105–7, 110 f., 115 f., 118, 137; Olivier – Godart, CHIC no. 264; J.-P. Olivier in CMS Beih. 5, 178, fig. 6; Wingerath, Darstellung 71 f., 222 f. n. 418, 224 n. 429. On manufacture: Evely, Crafts 155, 158, pl. 36:5.

b) Yule, ECS 125 (Index: Bulls 5), 172 (Index: Miscellaneous motifs 8).

c) J. J. Reich in Brice, Europa 251 n. 10; Yule, ECS 125 (Index: Bulls 5); J.-P. Olivier in Εἰλαπίνη 426.



93/1938.791

Cornelian, red

Three-sided prism, faces outlined.

L. 1.7, W. 0.85 max., Perf. 0.28

Condition good

'Central Crete, 1898' (Evans, SM I 153); 'found at or near the site of Knossos' [37], purchased in Candia [39] 1899 (ibid. 270). 'Lasithi district' (Kenna, CS at no. 174). See Introduction, p. 10.

a) A seated cat with facing head. Three Hieroglyphic signs and a wavy line (a sign?) are disposed around it.

b) Three Hieroglyphic signs in the centre, with triple palm leaves at either side.



c) Three Hieroglyphic signs and a rayed hoop; a pattern of C-spirals and double buds at either side.

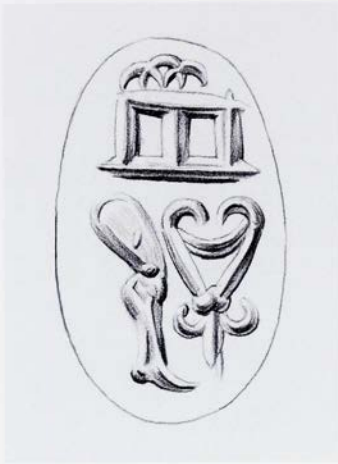
Comparanda: Subject, cat: cf. **100, 131, 367, 368**; CMS II, 8 Nos. 82 (?), 85; see Weingarten, *Zakro Master* 90 n. 17, 97 n. 8; eadem in Darcque – Poursat, *L'Iconographie minoenne* 172, 174 n. 19; P. Rehak in R. Hägg (ed.), *The Function of the "Minoan Villa"* (1997) 172 n. 83; H. Hughes-Brock in Karetsoy, *Κρήτη - Αίγυπτος* 121; P. Militello, *ibid.* 78–85. Motif, b: cf. CMS III, 1 No. 31.

Bibliography: Evans, *SM I* 153, P23a–c, 209, 211, 264, 270 f. fig. 121; *PM I* 278 fig. 207a1, a2; *PM II* 203 f. fig. 115a; F. M. Stawell, *AJA* 28, 1924, 131, pl. 6 Pl. 23a–c; Stawell, *CCS* 29 fig. 3, 38 f., 43, 98, 100 at P36; Pendlebury, *AC* 142, fig. 25b; (J. L. Myres, *BSA* 44, 1949, 326); Kenna, *CS* 113 no. 174, pl. 8, 39 n. 5, 44, fig. 74, 61, 75 n. 5, 111; *idem*, *Kadmos* 1, 1962, 7 f.; *idem*, *AA* 1964, 914, fig. 2a–c; *idem*, *AJA* 68, 1964, 4; *idem* in Brice, *Europa* 174, 176; *idem*, *AAA* 4, 1971, 126, 131, fig. 2:13a–c; *idem*, *Nestor* 3, 1973, 829; E. Grumach in *Minoica* 165 f., 169, 173, 176 f., 184 f., fig. 1, pl. 1; (*idem*, *Kadmos* 2, 1963, 12 n. 13 [misprinted as 173b], 87, 89, 91, 94); *idem*, *BullJ RylandsLib* 46/2, 1964, 352–3, 374, 376, 380, fig. 3:IVb; *idem* in *Kadmos* 6, 1967, 6 f., 11; E. S. Davis, *Greece and Rome* 11, 1964, 117, fig. 10; (*idem* in U. Hausmann [ed.], *Allgemeine Grundrissen der Archäologie* [1969], 238 n. 2); Davis, *Decipherment* 125, fig. 61; O. Pelon, *BCH* 89, 1965, 3; B.C.; Boardman, *GGFR* 37, 99, 391 = 409, pl. 48, colour p. 29:5; (Hood, *APG* 216, fig. 214); *Treasures of the Ashmolean Museum* (1970) pl. 16; P. Meriggi, *Kadmos* 12, 1973, 122, 127, 129, pl. V; Buchholz – Karageorghis,

PrehGrCy 114 no. 1372, fig. 38; Yule, *ECS* 67 (22b Three-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); J.-P. Olivier in *CMS Beih.* 1, 111 f., fig. 11a–c; Younger, *SMEA* 28, 1990, 91–3; Younger, *Middle Phase* 11, 40 f., 55, 106–8, 111–3, 115, 117, 122 f., 166 (Palmettes, "Template"); Olivier – Godart, *CHIC* no. 257; J. Best, *Talanta* 28–29, 1996–97, 117–9, fig. 10; W. van Binsbergen, *ibid.* 139; Otto, *König Minos* 259 f., fig. 93a–c; H. Hughes-Brock in Karetsoy, *Κρήτη - Αίγυπτος* 121, fig. 3; P. Militello, *ibid.* 81; (S. Hiller in *Im Labyrinth des Minos* 127, fig. 110); Brown – Bennett, *Travels* 472 f. no. 396; (Wang Yixin 73, fig. 35); F. C. Woudhuizen, *Kadmos* 41, 2002, 124; Krzyszkowska, *AS* 12, 15, 32 n. 37, 82, 89, 96, 123, no. 161 = C13; Phillips, *Aegyptiaca* no. 525.

a) Sakellariou, *CollGiam* 82 n.2; Hutchinson, *PC* 178, fig. 34; Demargne, *Aegean Art* fig. 146; Marinatos, *ArchHom A*, 21, fig. 2; Hood, *Minoans* pl. 86, 90; (Hood, *APG* 216, fig. 214); Yule, *ECS* 130 (Index: Cats 4); (N. Platon in *AntCret* 13 n. 6); B. C. Dietrich, *Historia* 18, 1969, 269; (G. Kehnscherper, *Kreta Mykene Santorin* [1973] 14 ill.); Dietrich, *Origins* 302; P. Faure, *Kadmos* 14, 1975, 1, 4, 6; Weingarten, *Zakro Master* 90 n. 17, 97 n. 8; eadem in Darcque – Poursat, *L'Iconographie minoenne* 172 n. 19; L. Morgan, *The Miniature Wall Painting of Thera* (1988) 42; N. Beneke, *Der Mensch und seine Haustiere* (1994) 348 f., fig. 215; J. Phillips in *Pepragmena* 7, 763; Vanschoonwinkel, *Les animaux* 393 no. 283.

b) A. Xenaki, *KretChron* 3, 1949, 83 n. 23; N. Platon in *Orlandos III* 216, 218, fig. 8:1; J. Makkay in *AttiCongMic I*, i, 93, pl. I:6; Onassoglou, *DtS* 54 n. 528.



94/1938.796

Agate, banded, most of surface unnaturally white

Three-sided prism, faces outlined with a groove.

L. 1.4, W. 0.8 all sides, Perf. 0.25, 0.3

Condition good

?Crete (Acc. Reg.).

a) Hieroglyphic signs and a heart-shaped pattern with trefoil base. Three overlapping arcs above.

b) Hieroglyphic signs and three linked hoops with corner buds between.



c) Hieroglyphic signs and a palm leaf.

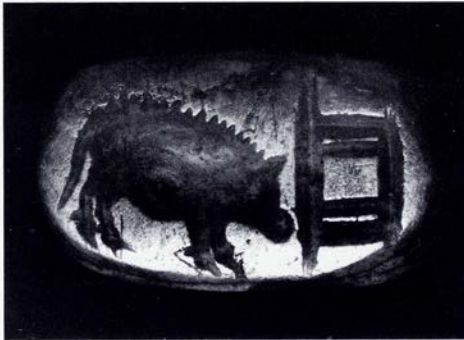
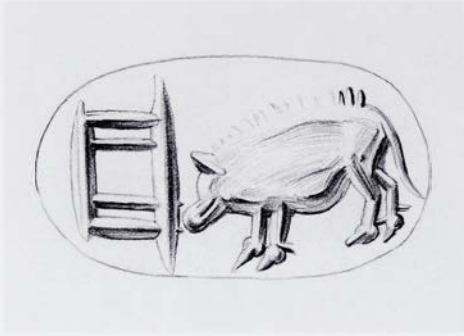
Comparanda: On 'template' sign, side b: cf. Goodison, DWS 86.

Bibliography: F. Chapouthier, *Minos* 1, 1951, 73, fig. 2a-c; Kenna, CS 113 no. 172, pl. 8, 39 n. 4; idem, *Kadmos* 1, 1962, 8; idem, *Nestor* 3, 1973, 829; O. Pelon, *BCH* 89, 1965, 3, 4 n. 5, p. 7; J. J. Reich, *JHS* 86, 1966, 161 n. 21; idem in Brice, *Europa* 253, fig. 3a-c; Davis, *Decipherment* 131 f., fig. 69; Boardman, *GGFR* 389 = 407;

Poursat, *Quartier Mu II* 225; Yule, ECS 67 (22b Three-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); Onassoglou, *DtS* 47 n. 286, 54 n. 328; Younger, *SMEA* 28, 1990, 91-3; Younger, *Middle Phase* 41, 55, 106, 108 f., 112-4, 116, 123, 142 f., 166 (Palmettes, 'Template'); Olivier - Godart, *CHIC* no. 265.

b) N. Platon in *Orlandos III* 216, 218, fig. 8:3; Yule, ECS 161 (Index: S-hooks and S-spirals 17).

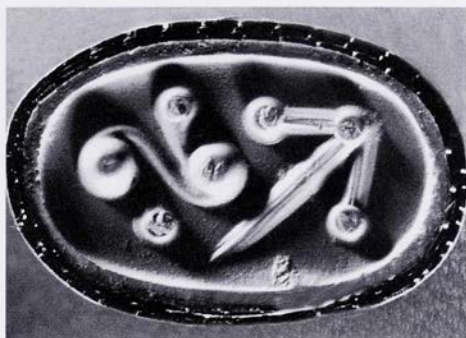
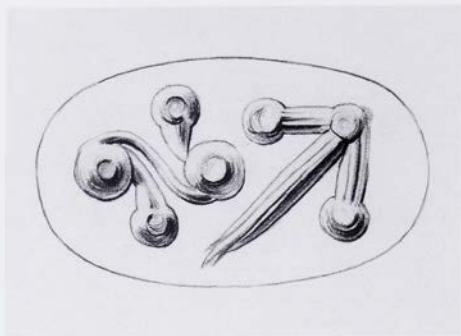
c) Yule, ECS 141 (Index: Leaves 36).



95/1910.235

Chalcedony, white and pale blue, banded
 Three-sided prism, faces outlined with a groove.
 L. 1.62, W. 0.95, 0.98, 0.98, Perf. 0.23, 0.27
 Condition good
 Eastern Crete. Bought by Evans 1894.

- a) Hieroglyphic sign and a fat pig.
 b) Hieroglyphic sign and a leaping deer with head turned back; the foreleg vertical, the hind leg folded under.



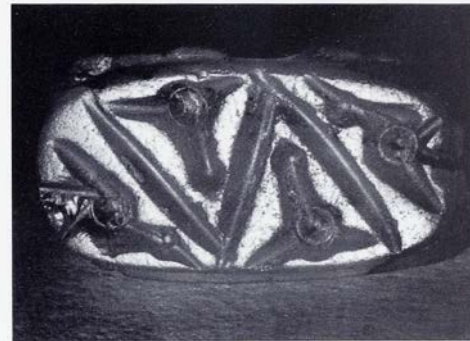
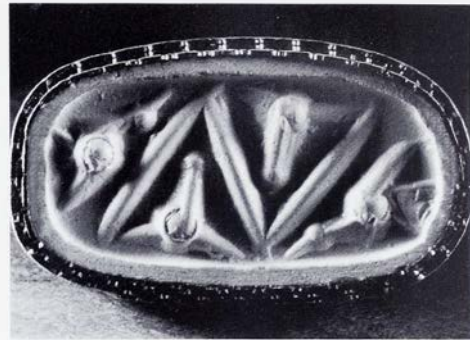
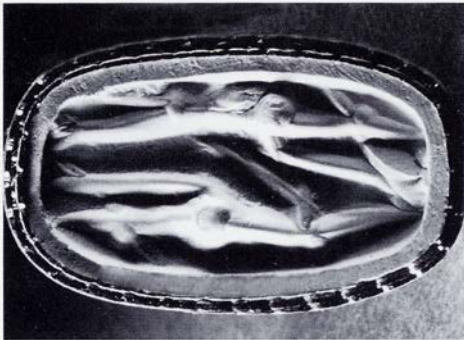
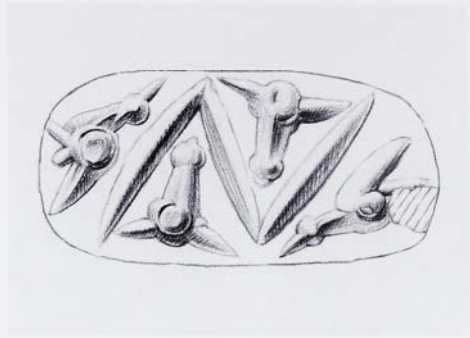
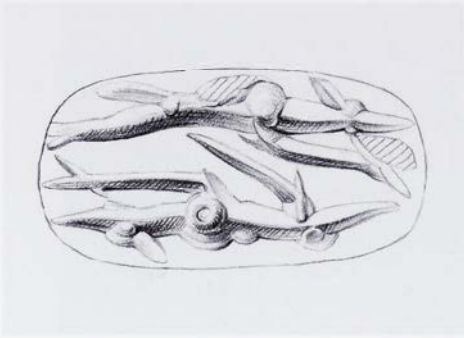
c) Hieroglyphic sign and an S-spiral of blobs with buds springing from it.

Bibliography: Evans, JHS 14, 1894, 291, fig. 24a–c; Evans, SM I 153 P22a–c, pl. II; Stawell, CCS 47 fig. 5, 53 f., 80, 98; Kenna, CS 113 no. 173, pl. 8, 39 n. 5; idem, Kadmos 1, 1962, 8; idem in Brice, Europa 174, 177; idem, Nestor 3, 1973, 829; O. Pelon, BCH 89, 1965, 3; Davis, Decipherment 234, fig. 208; Boardman, GGFR 391 = 409; Yule, ECS 67 (22b Three-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); J.-P. Olivier in CMS Beih. 1, 113, fig. 15a–c; idem in Palaima, ASSA 13, pl. 1a–c; idem in CMS Beih. 5, 173 ff., figs. 1, 2; Olivier –

Godart, CHIC no. 256; Younger, Middle Phase 55, 106, 111, 114, 137; J. G. Younger, Minos 31–32, 1996–97, 390; Brown – Bennett, Travels 434 no. 210.

a) PM IV 572; (D. Levi, ASAtene 19–20, 1957–58, 114); (Sakellariou, CollGiam 8); E. Grumach, BullJ RylandsLib 46/2, 1964, 349 f., 376, 379, fig. 1a; (idem in U. Hausmann [ed.], Allgemeine Grundlagen der Archäologie [1969] 236 n. 7); J. W. Shaw, BSA 73, 1978, 247 n. 47; Yule, ECS 127 (Index: Boars 4).

b) (F. Chapouthier in Mélanges Glotz 195 n. 4); Onasoglou, DtS 132 n. 773; Yule, ECS 123 (Index: Goats 17).



96/AE 1194

Cornelian, orange with some red-brown streaks (cf. 97)

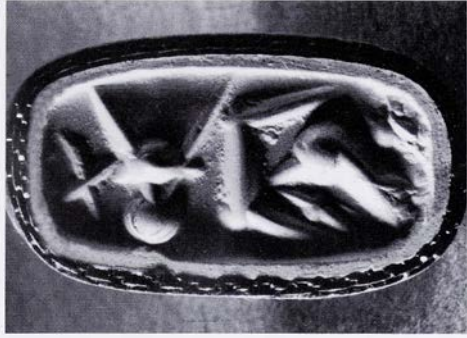
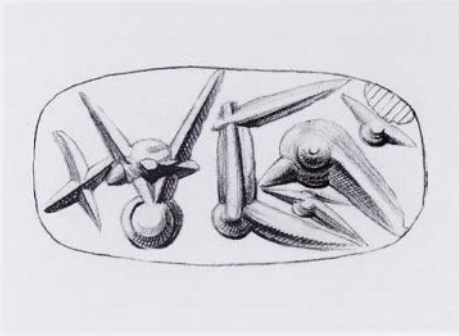
Three-sided prism, faces outlined with a groove. L. 1.6, W. of object 0.9, W. of faces 0.8, Perf. 0.32

Small damaged patches on faces

Praisos district [9], acquired by Evans 1894 (Evans, JHS 14, 1894, 276).

a) Two quadrupeds set antithetically. One is running, the other crouching (with long tail). Probably dogs.

b) A Z with frontal bulls' heads in the central arms, small birds at either end.

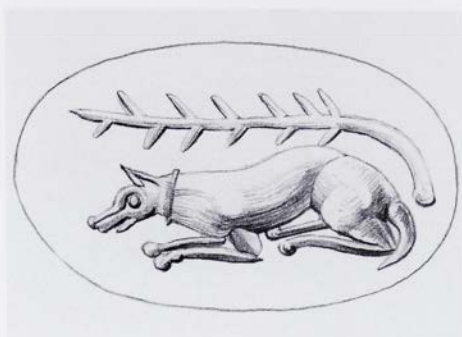
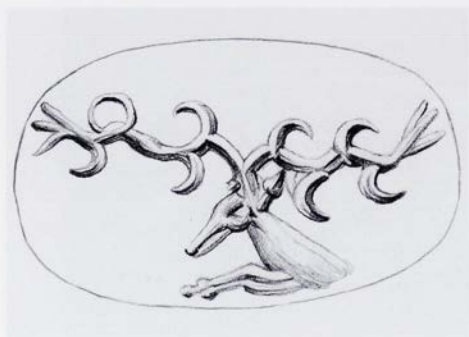


c) Hieroglyphic signs (?).

Comparanda: On 'template' sign, cf. Goodison, DWS 86. Style: on Yule's attribution to his Malia Workshop Subgroup, see J.-C. Poursat – E. Papatsaroucha in CMS Beih. 6, 264 f.

Bibliography: Evans, JHS 14, 1894, 292, fig. 26a–c; Evans, SM I 153, P21a–c, pl. II; Stawell, CCS 77 fig. 10, 79 f., 98; Kenna, CS 109 no. 149, pl. 7; idem, Kadmos 1, 1962, 8; idem in Brice, Europa 178; O. Pelon, BCH 39, 1965, 3; Boardman, GGFR 389 = 407; Yule, ECS 67 (22b Three-sided prisms, hard stone), 213 (Malia Workshop Subgroup); P. Yule, BSA 78, 1983, 360 n. 3, 365 n. 17; Younger, Middle Phase 14, 26, 54, 90, 101, 107, 111, 114 f., 118, 135, 146 f.; Olivier – Godart, CHIC no. 241; J. G. Younger, Minos 31–32, 1996–7, 399; Brown – Bennett, Travels 190 f., 432 f. no. 200. On manufacture: Evely, Crafts 155.

- a) Yule, ECS 129 f. (Index: Dogs and/or wolves 9).
 b) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 399); Yule, ECS 125 (Index: Bulls 3); Ruuskanen, Birds no. A2.5, pp. 18, 41, 50 f., 53, pl. 5 (waders).



97/1938.944

Cornelian, brown

Three-sided prism, faces outlined with a groove

L. 1.5, W. 0.9 all sides, Perf. 0.3

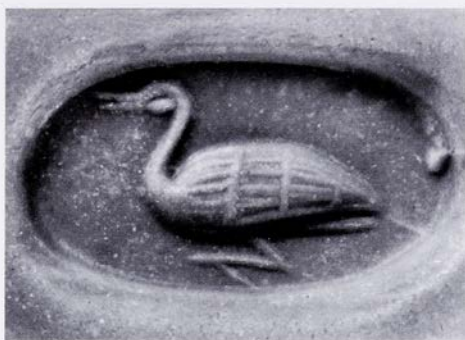
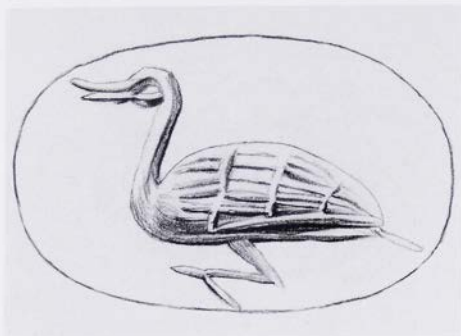
Condition good

Rhytion, S. Crete (Acc. Reg.) = Rotási [42].

'Procured by me from Messarà' (Evans, Hagios Onouphrios 137), 1894. (Cf. Brown - Bennett, Travels 80-83.)

a) Head, neck and forelegs of a stag with antlers displayed.

b) A crouching collared dog. A branch above its back.



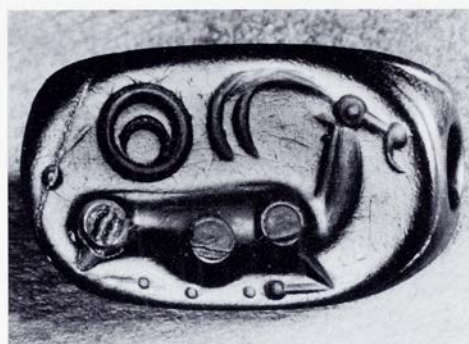
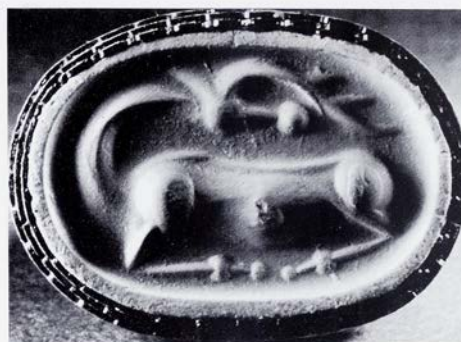
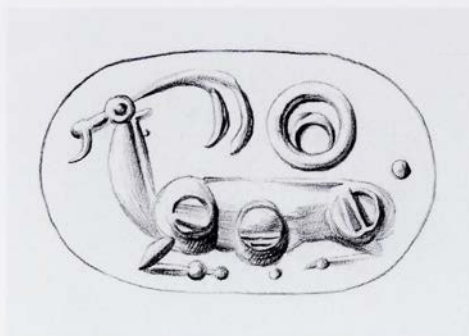
c) A duck.

Bibliography: Evans, Hagios Onouphrios 137; Kenna, CS 112 no. 168, pl. 7, 41 n. 3, 112; idem, *OpAth* 8, 1968, 27, fig. 2; idem, *Nestor* 3, 1973, 829; O. Pelon, *BCH* 89, 1965, 3; Boardman, *GGFR* 389 = 407, 391 = 409; Yule, *ECS* 67 (22b Three-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); Younger, *Middle Phase* 12, 27, 121, 167 (Waterbirds in Weeds); Otto, *König Minos* 254 f., fig. 89a-c.

a) *PM I* 274, fig. 204q; Matz, *Siegel* pl. XIV:9b; M.-L. Erlenmeyer – H. Erlenmeyer, *Antike Kunst* 1, 1958, 63 n. 118; Brein, *Der Hirsch* 85, fig. 33; Yule, *ECS* 126 (Index: Deer 1); Onassoglou, *DtS* 188 n. 1008; J. H. Betts in *CMS Beih.* 3, 15; idem, *Christie's sale catalogue* 5 June 1989 (Erlenmeyer Coll.) 31; Vanschoonwinkel, *Les animaux* 393 no. 290; (Wang Yixin 206, fig. 137).

b) Yule, *ECS* 130 (Index: Dogs and/or wolves 10), 143 (Index: Branches 3).

c) *PM III*, 116 n. 2; (Kenna, *Kadmos* 3, 1964, 53); Yule, *ECS* 133 (Index: Birds 6); Ruuskanen, *Birds* no. E1.1, pp. 31, 42, 50 f., 59–61, pl. 14 (domesticated duck or goose); Vanschoonwinkel, *Les animaux* 381 no. 75.



98/1938.798

Jasper, green

Three-sided prism, faces outlined with a groove.

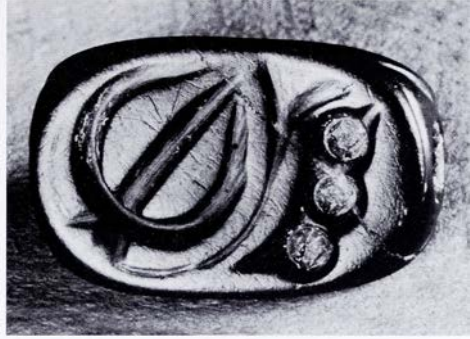
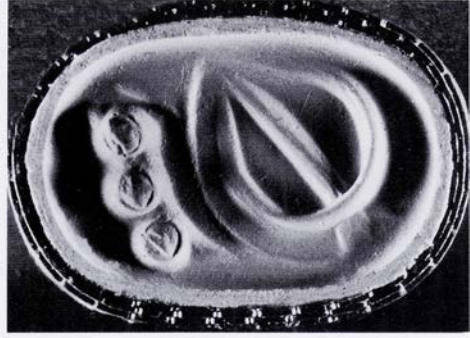
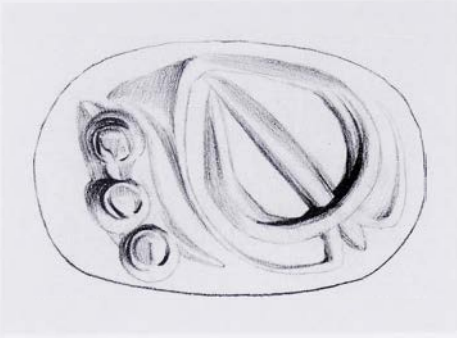
L. 1.5, W. 0.95, Perf. 0.3

Small cracks across each face

'Gournais' [36] (Kenna, CS at no. 146; source not cited but the transliteration suggests an early one, probably an old label).

a) A recumbent wild goat. Above its back a tubular drill hoop with a crescent in it.

b) A recumbent stag with its head turned back.



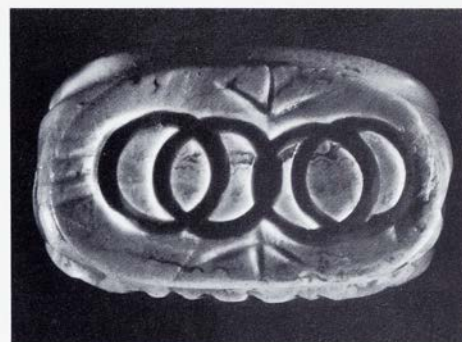
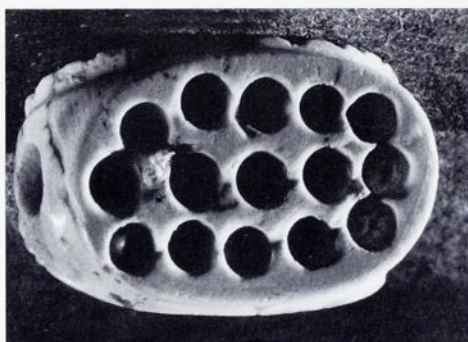
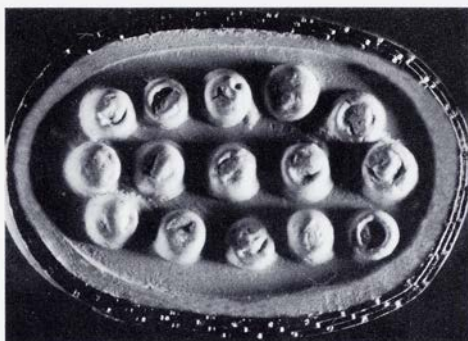
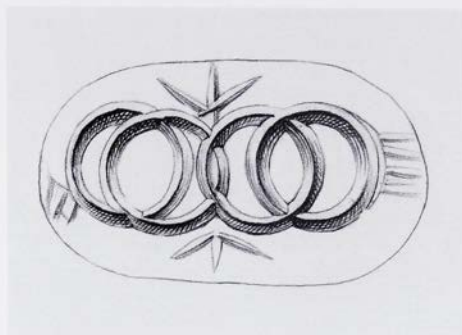
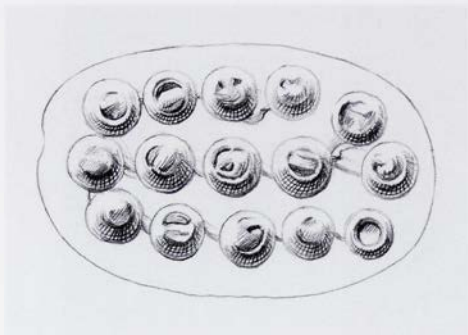
c) Stylised figure of a bird with head turned back (?). The body is a semicircle with a tufty tail and curved single leg. The back is outlined and the head and neck formed of three blobs.

Undisguised drill for the shoulders, bellies and rumps on a and b, for the neck and head on c.

Bibliography: Kenna, CS 108 no. 146, pl. 7; idem, *Nestor* 3, 1973, 829; Davis, *Decipherment* 151, fig. 91; Boardman, *GGFR* 389 = 407; J. L. Benson, *Horse, Bird and Man* (1970) 58, pl. XV:6; Yule, *ECS* 67 (22b Three-sided prisms, hard stone), 219 (Drilled Lions Group); Onassoglou, *DtS* 132 n. 773, 188 n. 1008; Younger, *Middle Phase* 12 f., 28, 41, 98, 123 f., 140, 167 (Kamilari Agrimi, Drilled Legs). On manufacture: Evely, *Crafts* 155.

a) Yule, *ECS* 123 (Index: Goats 24), pl. 40:57.

b) Brein, *Der Hirsch* 86, fig. 35; Yule, *ECS* 126 (Index: Deer 5); Vanschoonwinkel, *Les animaux* 393 no. 290.



99/1941.247

Agate, unnaturally white; thin bands still visible
Three-sided prism. A groove outlines and sets
off each face.

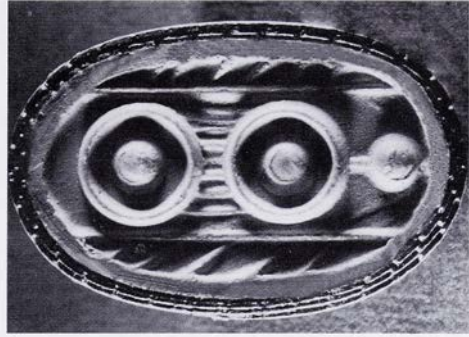
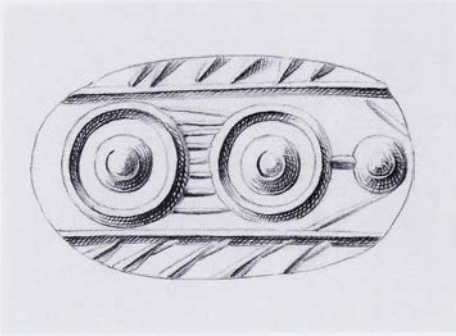
L. 1.8, W. of object 1.2, 1.2, 1.1, W. of faces 1.1,
1.0, 0.95, Perf. 0.3

Condition good

Papoura [29], H. Georgios.

a) Fifteen blobs (narrow tubular drill).

b) Four overlapping hoops (tubular drill), trefoils
above and below, hatching at one end.



c) Three registers. Hatching along the sides. In the centre two hoops (tubular drill) with centre blobs linked by hatching and a blob linked by a single line.

Commentary: Marks of the drill-head on side a are noteworthy.

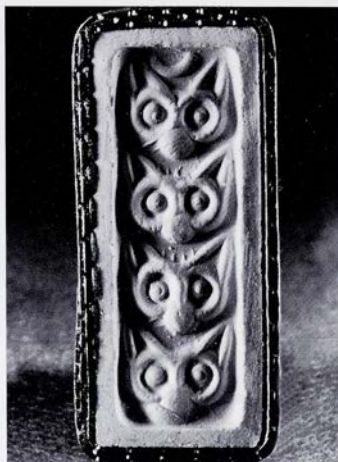
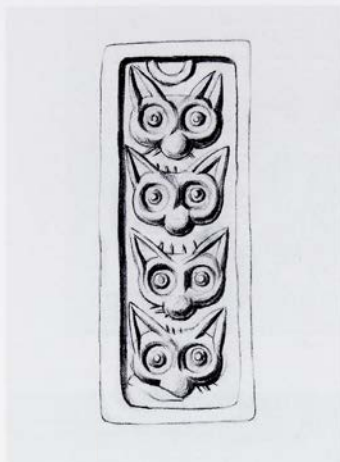
Comparanda: Cf. CMS III,1 No. 220. Motif, c: cf. CMS II,2 No. 51; N. Dimopoulou in CMS Beih. 6, 34 f., figs. 2-3, nos. 18-20 (= HM 3499, 3513, 3505), all soft stone.

Bibliography: PM I 477, fig. 341a, b, c; Kenna, CS 103 no. 109, pl. 5, 36 n. 4, 73 n. 5, fig. 149, pl. 5; idem, Nestor

3, 1973, 829; (Boardman, CCO 113 n. 1); Boardman, GGFR 34, 98, 380, 389 = 407, pl. 22, colour p. 29:3; Yule, ECS 67 (22b Three-sided prisms, hard stone), 112 n. 174 (erroneous), 202 n. 15; J. H. Betts in CMS Beih. 3, 15; idem, Christie's sale catalogue 5 June 1989 (Erlenmeyer Coll.) 31; Younger, Middle Phase 62, 64, 69, 84, 122, 132, 134 f., 140 f., 152 (Olympic Circles); Brown - Bennett, Travels 460 f. no. 326. On manufacture: Evely, Crafts 155, pl. 38:2, 3; Krzyszkowska, AS 85 f., no. 136.

b) (S. Alp, Zylinder und Stempelsiegel aus Karahöyük bei Konya [1968] 245).

c) D. Levi, ASA tene. 19-20, 1957-58, 66.



100/1938.793

Jasper, green

Four-sided prism with rectangular faces

L. 1.7, W. 0.55, Perf. 0.35

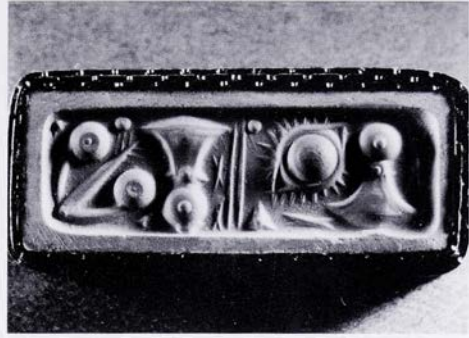
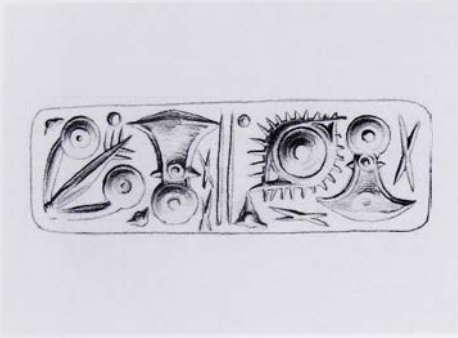
Condition good

Candia district, obtained by Evans by exchange with R. B. Seager (PM II 835 n. 5). See Introduction p. 7.

a) Four facing cats' heads, a crescent above.

b) Hieroglyphic signs including a harp.

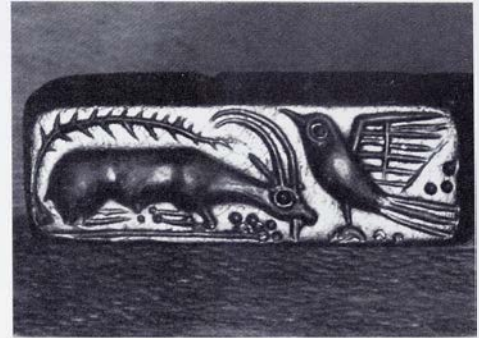
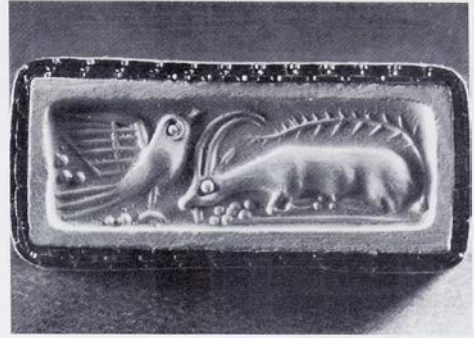
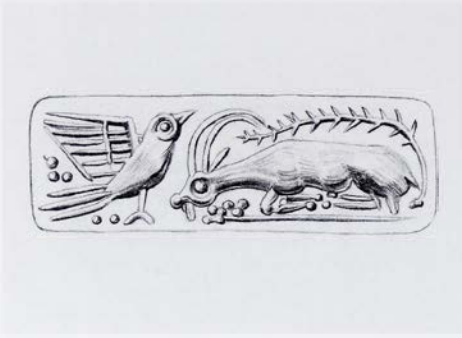
c) Hieroglyphic signs.



Comparanda: Motif and subject a, cat's head: cf. CMS II,2 Nos. 3, 316; II,6 No. 185; Grumach, *Kadmos* 2, 1963, 7 n. 3; for cat see 93. Side b, the harp: cf. e.g. CMS II,8, 1 No. 90; see Wegner, Aign, Platon, Maas – Snyder, Younger *ut infra*. Side b, flower: cf. CMS III,1 No. 19. Composition, a: cf. CMS XII No. 48a.

Bibliography: PM I 274–7 figs. 204n, 207c3, 281; PM II 277, 835 n. 5; Biesantz, KMS 61; Kenna, CS 112 f. no. 170, pl. 7, 22, 38 n. 5, 39 nn. 4–5, 40 n. 5; idem, *Kadmos* 1, 1962, 8; idem in Brice, *Europa* 177; idem, *Nestor* 3, 1973, 829; (S. Alexiou, *Kadmos* 2, 1963, 81 nn. 6, 10); (E. Grumach, *ibid.* 7); idem, *BullJ RylandsLib* 46/2, 1964, 349, 353 n. 4, 354, 358, 368–370, 374, 380, 384, figs. 3:IIIb, 10:1e; O. Pelon, *BCH* 89, 1965, 3 f. n. 6; S. Davis, *Greece and Rome* 11, 1964, 120, fig. 14; Davis, *Decipherment* 153–5, fig. 97; J. J. Reich in *AtticongMic* I, i, 440, 457–60; Boardman, *GGFR* 37, 99,

391 = 409, pl. 43, colour p. 29:4; S. (P. Meriggi, *Kadmos* 12, 1973, 124 n. 12, pl. IV); Hood, *Minoans* pl. 87; (Poursat, *Quartier Mu* II 225); Yule, *ECS* 66 (21b Three-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); Onassoglou, *Dts.* 147 n. 849, 188 n. 1008; J.-P. Olivier in *Palaima*, *ASSA* 17 n. 26; Younger, *Middle Phase* 12, 26, 28, 55, 105–8, 110–2, 115–7, 128, 136 f., 165 (Cat Masks, Button Mouths); Olivier – Godart, *CHIC* no. 283; Otto, *König Minos* 254–6, fig. 90a–d; E. Chrysikopoulou, *AEphem* 138, 1999, 138 nn. 66 f.



d) A bird with raised wing and a crouching wild goat with a branch above its back and a line beneath it. Seven dots beneath the goat's neck, two below the bird and three behind it.

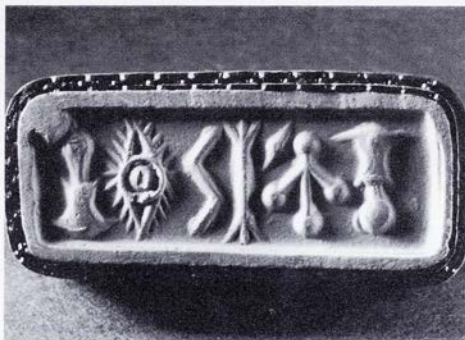
a) PM IV 526 n. 2; (J. L. Benson, *Horse, Bird and Man* [1970] 58 pl. XV:4); Yule, ECS 130 (Index: Cats 2), 175 (Index: Abstracted... motifs 11); Younger in *Transition* 56; J. H. Betts in *CMS Beih.* 3, 6; Vanschoonwinkel, *Les animaux* 393 no. 279; H. Hughes-Brock in *Karetsou, Κρήτη - Αίγυπτος* 121; P. Militello, *ibid.* 81.

b) PM II 834 fig. 550b, 835 n. 5; PM III 419 n. 1; (M. Wegner, *Das Musikleben der Griechen* [1949] 212); Aign, *Musikinstrumente* 36 no. II/2, fig. 7, 38–40, 54, 119, 126, 141 f., 146, 219–223, 227, 261–3, 300–3, 316, 325 n. 2, 350, 367, 378 f. chart B, pl. 2, 153; N. Platon in *Orlandos III* 217 f., fig. 8:2; Wegner, *ArchHom U* 27, 77 f. nos. 83, 85 (wrongly separated); (J. A. Sakellarakis, *PZ* 45, 1970, 189 n. 399); (J. Boardman in J. Boardman – M. Brown – T. Powell [eds.] *The European Community in Later Prehistory: Studies in Honour of C. F. C. Hawkes* [1971], 134 f., fig. 26 D); Yule, ECS 125 (Index:

Bulls 5), 143 (Index: Lilies 3), 172 (Index: Miscellaneous motifs 6); G. Neumann, *Kadmos* 21, 1982, 7; M. Maas – J. M. Snyder, *Stringed Instruments of Ancient Greece* (1989) 219 n. 3; Younger, *Music* 13 f., 76 no. 58, pl.23:6; (Wang Yixin fig. 237 fig. 175).

c) Grumach, *Kadmos* 1, 1962, 153; Kenna, *ibid.*, 8; J.-P. Olivier in *CMS Beih.* 5, 176 ff., fig. 3; Yule, ECS 172 (Index: Miscellaneous motifs 8), 223 n. 40.

d) Matz, *Siegel* pl. XIV:8; C. Krüger, *Der Fliegende Vogel in der antiken Kunst* (1940) 29, pl. 5, no. IV.1; H. Mode, *Indische Frühkulturen und ihre Beziehungen zum Westen* (1944) 33 f., fig. 58; M. A. Zanaldi Baudo, *RendStLomb* 85, 1952, 188 no. 16, fig. 1; Biesantz, *KMS* 61; Yule, ECS 123 (Index: Goats 22), 143 (Index: Branches 3); Goodison, *DWS* 54, fig. 124b; Ruuskanen, *Birds* no. D1.2, pp. 29, 42, 50 f., 59, pl. 13 (passerine).



101/1938.794

Cornelian, surface whitened. A few blue-grey streaks on side c

Four-sided prism

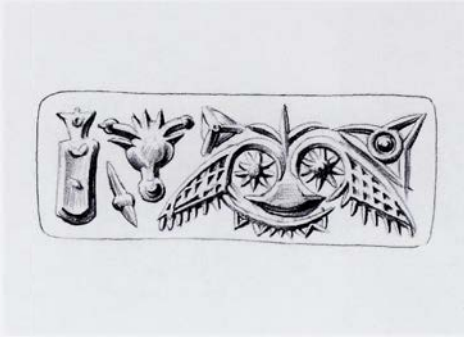
L. 1.85, W. 0.7, 0.62, 0.7, 0.62, Perf. 0.28, 0.3

Condition good

Central Crete (PM I 277).

a) A facing human head with long spiral locks displayed, wearing earrings. A Hieroglyphic sign at each side.

b) Hieroglyphic signs.



c) Hieroglyphic signs. Beside these a pattern resembling a mask with cross-hatched fringed cheeks, star eyes, an inverted lily nose, crescent and triangles mouth, trefoil on the forehead, and at either side a triangle and a three-pointed star with hoop and dot heart.

d) Hieroglyphic signs.

Comparanda: Motif side a: cf. CMS III,1 Nos. 237b, 238a. On 'template' sign, side d; cf. Goodison, DWS 86. Subject side a: S. Marinatos, *AEphem* 1927–28, 17 f., fig. 7; Sakellariou, *CollGiam* 80 f.; Weingarten, *Zakro Master* 87, 90 n. 15, 92, pl. 10; eadem in Darcque – Poursat, *L'Iconographie minoenne* 174–6.

Bibliography: PM I 274, 276 f., fig. 207c1, 2, 4, 706 fig. 530; PM III 419, fig. 284; Stawell, *CCS* 63 f.; Kenna, *CS* 112 no. 169, pl. 7, 38 n. 5; idem, *Kadmos* 1, 1962, 8;

idem in Brice, *Europa* 177; idem, *Nestor* 3, 1973, 829; E. Grumach, *Kadmos* 1, 1962, 153; idem, *Bull-RylandsLib* 46/2, 1964, 353, 374, 376, 378, 380, fig. 3: Va, 384, fig. 10:1a; (Aign, *Musikinstrumente* pl. 2 fig. 153 erroneously with 100b); (M. Pope, *Aegean Writing and Linear A*, SIMA VIII [1964] 4, fig. 1); O. Pelon, *BCH* 89, 1965, 3; Davis, *Decipherment* 130 f., fig. 68, 141 f., fig. 80; Boardman, *GGFR* 37, 99, 391 = 409, pl. 45; P. Meriggi, *Kadmos* 12, 1973, 124, pl. IV; P. Faure, *Kadmos* 14, 1975, 5 n. 5; (Poursat, *Quartier Mu II* 225); Yule, *ECS* 66 (21b Four-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); Onassoglou, *Dts* 188 n. 1008; Olivier in Palaima, *ASSA* 19; Younger, *Middle Phase* 17, 55, 101, 105–7, 109–11, 114–7, 122, 137, 139, 146, 166 (Women's Faces); Olivier – Godart, *CHIC* no. 297; J. G. Younger, *Minos* 31–32, 1996–7, 390 n. 43, 399; (Wang Yixun 237, fig. 175).



a) S. Marinatos, *AEphem* 1927–28, 17 f., fig. 7; Matz, *Siegel* 116 n. 11; Pendlebury, *AC* 143, fig. 25d; A. Xenaki, *KretChron* 3, 1949, 83; Sakellariou, *CollGiam* 80; H. Biesantz, *MarbWPr* 1958, 11 no. 23, 17, 24 n. 3, pl. 13:23; Hutchinson, *PC* 135 f., 178, fig. 34; Tzavella-Evjen, *PtO* 56 no. 317; Yule, *ECS* 121 (Index: Men 1); Weingarten, *Zakro Master* 87, 90 n. 15, 92, pl. 10A; eadem in Darcque – Poursat, *L'Iconographie minoenne* 174 f., n. 22, fig. 13; Onassoglou, *DtS* 115 n. 667; J.G. Younger in Rehak, *The Role of the Ruler* 166 no. 70, pl. LVIII f.

b) M. Pope in *AttiCongMic* I, i, 440; J.-P. Olivier in *CMS Beih.* 5, 176 ff., fig. 3; Yule, *ECS* 172 (Index: Miscellaneous motifs 8).

c) *PM* IV 526 n. 2; N. Platon, *KretChron* 5, 1951, 409, fig. 27B; E. Grumach, *Kadmos* 6, 1967, 7 n. 4, 12 n. 17.

d) E. Grumach in *Minoica* 170, pl. 1; S. Davis, *Greece and Rome* 11, 1964, 121 f., fig. 17.



102/1938.1166

Agate, mostly white, banded

Eight-sided prism. a narrow groove or scratch between the facets

L. 1.95, W. 0.85, Perf. 0.33–0.40 (off-centre)

Condition good

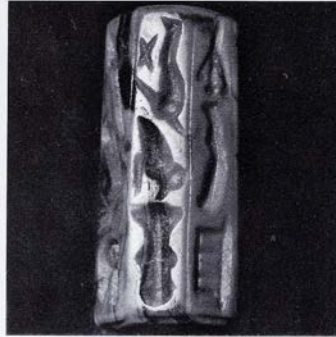
'Neapolis' [26] (Evans notebook 'Crete 1922' and on old mount label). Bought in E. Crete (Evans notebook 1922). Found unregistered in 1950 and registered as a probable 1938 gift.

Hieroglyphic signs.

Comparanda: The shape is unique. On 'template' sign, cf. Goodison, DWS 86.

Bibliography: J. L. Myres, BSA 44, 1949, 326 f., fig. 1; F. Chapouthier, BSA 46, 1951, 42; E. Grumach in *Minoica*

165, 168, 185; A. Xenaki-Sakellariou, *ibid.* 457; Kenna, CS 111 no. 165, pl. 7, 39 n. 4; *idem* in Brice, *Europa* 177; *idem*, Nestor 3, 1973, 829; E. Grumach, *Kadmos* 2, 1963, 12 n. 13, 84–97, pls. 1, 2; *idem*, *BullJ RylandsLib* 46/2, 1964, 351–3, 360–77 *passim*, 380, 382–3, figs. 2: Ij, 3:IIId, 7:IIIb, 7:VIId, 8:VIa; (*idem*, *Kadmos* 6, 1967, 12); *idem*, *Kadmos* 7, 1968, 21; *idem* in U. Hausmann (ed.), *Allgemeine Grundlagen der Archäologie* (1969) 235, pl. 42; Davis, *Decipherment* 135–8, fig. 77; S. Davis, *Greece and Rome* 11, 1964, 124–6, pl. 1; O. Pelon, *BCH* 89, 1965, 3, 4 nn.5 and 7; N. Platon in *Orlandos III* 216, 218, fig. 8:6; Buchholz, *Cylinder* 151 n. 27; M. Pope in *AttiCongMic* I, i, 440; Boardman, *GGFR* 34, 98, pl. 24; P. Meriggi, *Kadmos* 12, 1973, 118, 120, 128, 131, pl. IV; P. Faure, *Kadmos* 14, 1975, 1; (Hood, *APG* 216); Yule, *ECS* 100–2 (34r Prism,

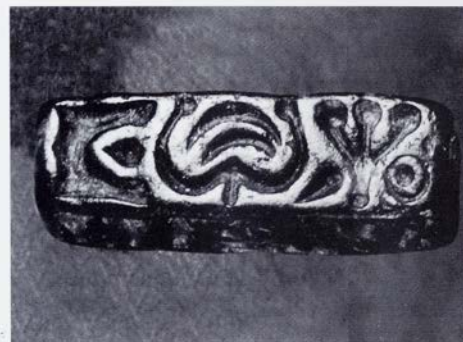
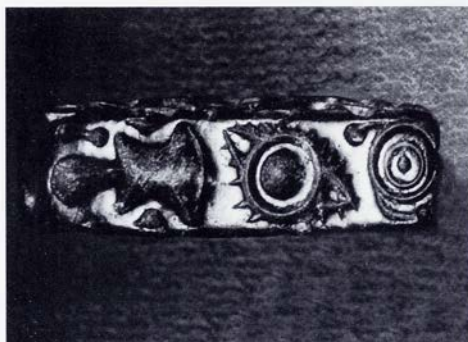
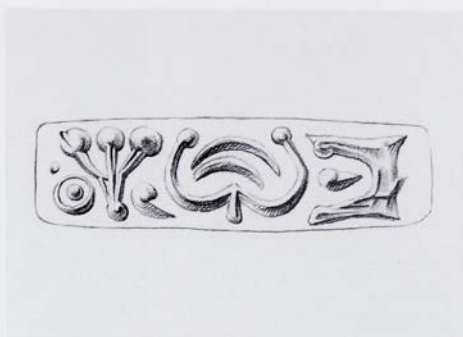
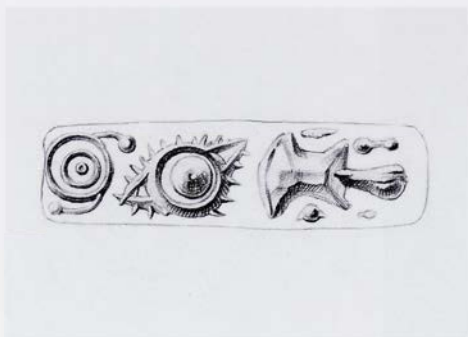


Eight-sided), 130 (Index: Dogs and/or wolves 2), 215 (Hieroglyphic Deposit Group); A. A. Molchanov, *Vestnik Drevnej Istorii* 157, 1981, 116–33 (Title: 'A Cretan hieroglyphic inscription on an octagonal seal [Ashmolean Museum]'); J. Best – F. Woudhuizen, *Lost Languages from the Mediterranean* 120–8, fig. 10a; Younger, *Middle Phase* 54, 105–7, 109, 111 f., 115; Olivier – Godart, CHIC no. 314; J. G. Younger, *Minos*

31–32, 1996–7, 397 Appendix D [?]; W. C. Brice, *Kadmos* 36, 1997, 95 f., fig. 2b; (Evely, *Fresco* 54, fig.); P. Faure, *Αρχαιολογία* 81, Dec. 2001, 63 f., fig. 4; F. C. Woudhuizen, *Kadmos* 41, 2002, 124 f.; J. Best, *Kadmos* 42, 2003, 42, fig. 8.

b) Yule, ECS 172 (Index: Miscellaneous motifs 8).

d) Yule, ECS 172 (Index: Miscellaneous motifs 8).



103/AE 1774

Jasper, very dark green, almost black

Four-sided prism, rectangular

L. 1.7, W. 0.45, Perf. 0.38

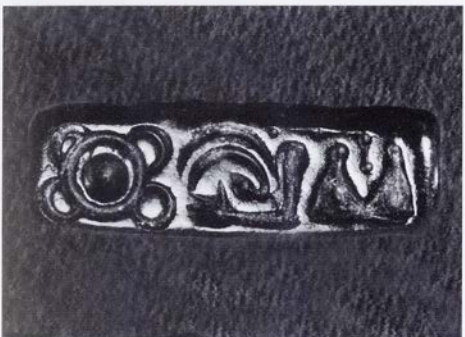
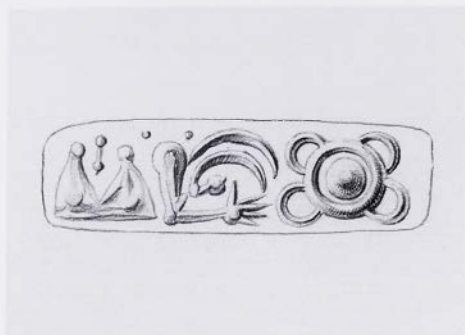
Condition good

Palaikastro [1], obtained there by Evans 1894
together with 182.

Comparanda: Rayed disc sign and 'template' sign, cf. Goodison, DWS 13–15, 86.

Bibliography: Evans, JHS 14, 1894, 297, fig. 35a–d, 312 f.; Evans, SM I 134, 154 P25a–d, pl. II; R. Zahn, AA 1901, 23; F. M. Stawell, AJA 28, 1924, 139 n. 1; Stawell, CCS 30, 39, 41 fig. 43, 99; Kenna, CS 109 f. no. 151, pl. 7, 38 n. 5; idem, Nestor 3, 1973, 829; idem in Brice, Europa 174; E. Grumach in Minoica 168 n. 17, 173, pls. 1:3,

Hieroglyphic signs on all sides.



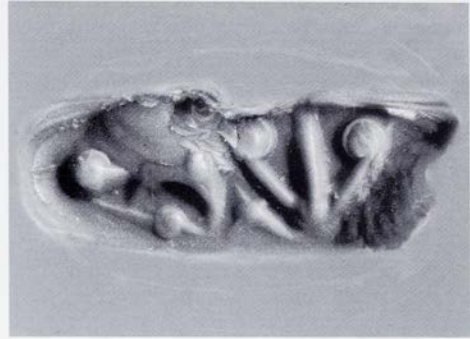
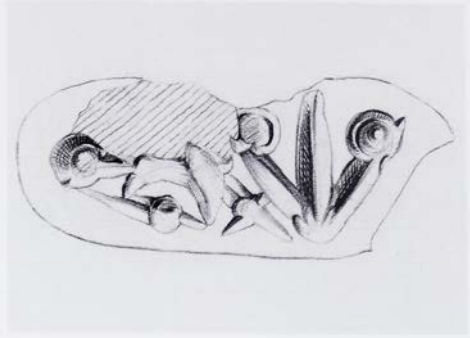
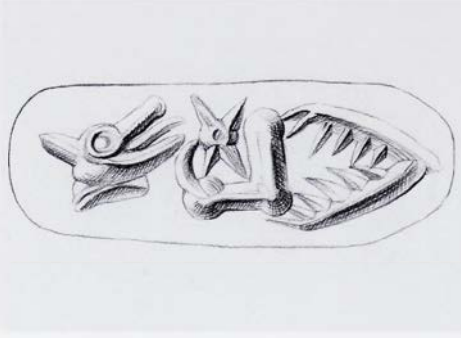
2:4; idem, *BullJ RylandsLib* 46/2, 1964, 352 f., 374, 376, 380 figs. 3:Ic, 3:IIc; (idem, *Kadmos* 6, 1967, 11 f.); O. Pelon, *BCH* 89, 1965, 3; Davis, *Decipherment* 297 f., fig. 252; Boardman, *GGFR* 34, 98, 390 = 408, pl. 26; P. Meriggi, *Kadmos* 12, 1973, 115, 118, 122, pl. 1; Yule, *ECS* 66 (21b Four-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); Goodison, *DWS* 13 f., fig. 17d; Younger, *Middle Phase* 54, 105-7, 112 f., 115 f., 139; Olivier-Godart, *CHIC* no. 308; MacGillivray, *Minotaur* 129, fig. after p. 88; Brown – Bennett, *Travels* 124 f., 420 f. no. 122.

a) L. Deroy, *Minos* 3, 1954, 20 f., fig. 1; W. Deonna, *Le Symbolisme de l'oeil* (1965) 101 n. 5; (M. I. Finley, *Aspects of Antiquity* [1968] pl. facing p. 23; Kh. Zographaki-Kosmadaki in *Pepragmena* 7, A'1, 258-63; Yule, *ECS* 172 (Index: Miscellaneous motifs 8); Olivier – Godart, *CHIC* 286 no. 308.

b) E. Grumach, *Kadmos* 2, 1963, 12 n. 13; N. Platon in *Orlandos III* 216, 218, fig. 8:5; J. Best, *Kadmos* 41, 2002, 132, fig. 6.

c) Yule, *ECS* 175 (Index: Abstracted motifs 16).

d) Yule, *ECS* 172 (Index: Miscellaneous motifs 8).



104/1889.998

Agate, mostly translucent, with a dark patch

Four-sided prism with long oval faces

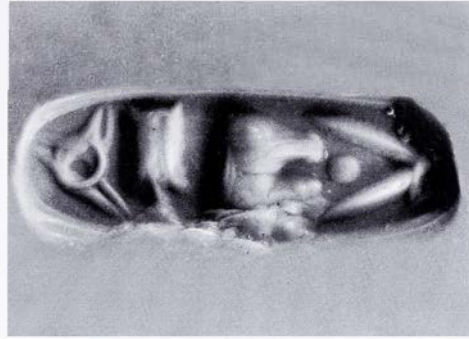
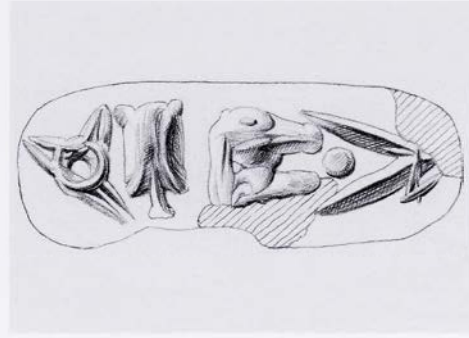
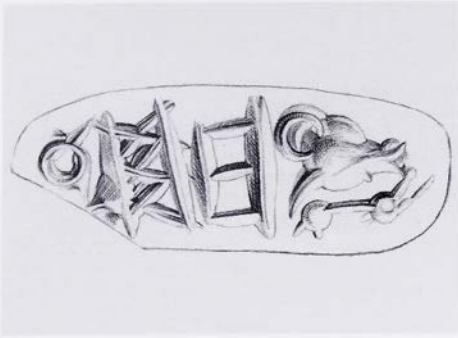
L. 2.2, W. 0.8 all sides, Perf. 0.25–0.3

Badly chipped at one end and along edge of sides b and d

Possibly Lak(k)ónia near Goulás [23] (Lato)? Crete (Evans, Hagios Onouphrios 137). 'Central Crete' (Evans, SM I 8–10, 157). Given by the Revd. J. G. Chester 1889 with prov. 'Sparta'. See Introduction, pp. 5, 12.

Hieroglyphic signs on all sides.

Bibliography: Evans, JHS 14, 1894, 137, 275, 294, fig. 32a–d; Evans, Hagios Onouphrios 137; Evans, SM I 8–10 fig. 4, 157 P44a–d; Stawell, CCS 76, 100 f.; G. E. Mylonas, Archaeology 1, 1948, 211, fig. 3; Kenna, CS 109 no. 148, pl. 7, 39 n. 4, 41 n. 3, 85; idem in Minoica 178 f.; idem, Kadmos I, 1962, 8; idem, Nestor 3, 1973, 829; E. Grumach, Bull]RylandsLib 46/2, 1964, 350 f., 356, 358, 373, 376–9, 384 figs. 1f, 5:IIIa, 11k; O. Pelon,

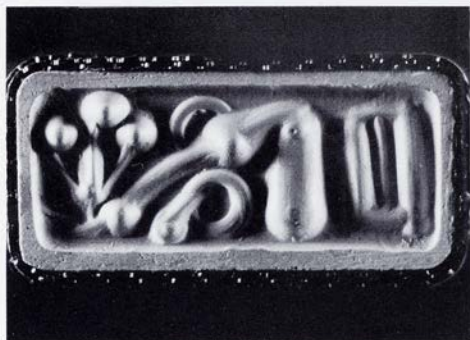
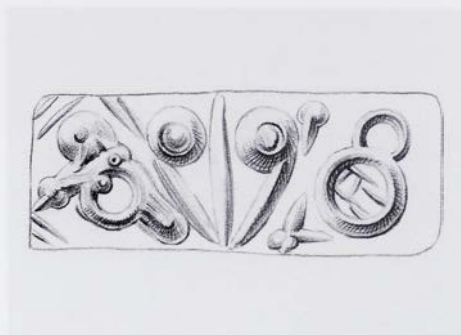
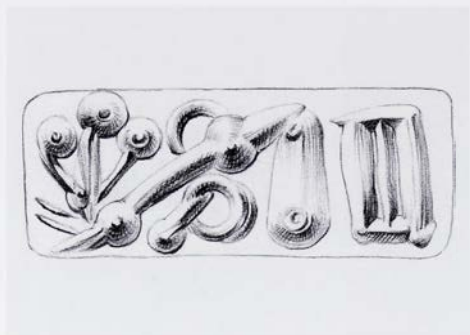


BCH 89, 1965, 3; Davis, *Decipherment* 127 f., fig. 63; idem, *Greece and Rome* 11, 1964, 119, fig. 12; (Boardman, *GGFR* 390 = 408); P. Meriggi, *Kadmos* 12, 1973, 115, 123, pl. II; Yule, *ECS* 66 (21b Four-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); Younger, *Middle Phase* 54, 105–12, 114–6, 137; Olivier – Godart, *CHIC* no. 296; A. Brown in D. Huxley (ed.), *Cretan Quests* (2000) 9 fig. 5; Brown – Bennett, *Travels* xxii; F. C. Woudhuizen, *Kadmos* 41, 2002, 124; Krzyszkowska, *AS* 316 n. 18.

a) Joan Evans, *Time and Chance: The Story of Arthur Evans and his Forebears* (1943) 309; Yule, *ECS* 130 (Index: Dogs and/or wolves 2); (I. Pini in Hägg – Marinatos, *Minoan Thalassocracy* 124 n. 14); S. Sherratt, *Arthur Evans, Knossos and the Priest-King* (2000) fig. 1.

b) (F. Chapouthier in *Mélanges Glotz* 196 n. 1); V. E. G. Kenna in *Orlandos II* 172 n. 2).

d) E. Grumach, *Kadmos* 2, 1963, 8, fig. 1b; R. Zahn, *AA* 1901, 22.



105/1910.234

Jasper, very dark green

Four-sided prism, rectangular

L. 1.9, W. 0.75, Perf. 0.38–0.4

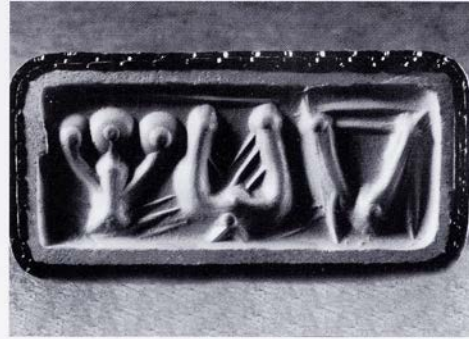
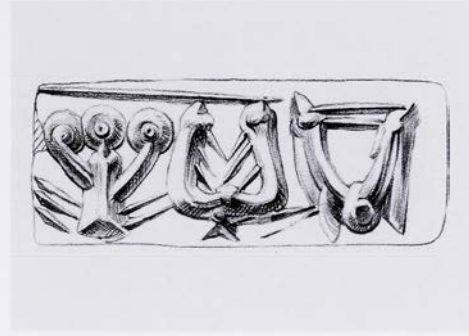
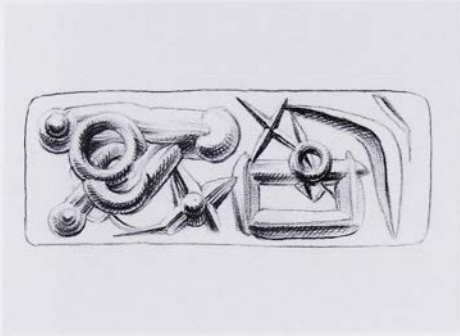
Condition good

Xidhás, near site of Lyttos [33] (Evans, SM I 156).

Hieroglyphic signs on all sides.

Comparanda: On 'template' sign, side d: cf. Goodison, DWS 86.

Bibliography: Evans, SM I 156 P30a–d, pl. II; F. M. Stawell, AJA 28, 1924, 130 f.; Stawell, CCS.42 f., 47 fig. 5, 99; J. L. Myres, BSA 44, 1949, 326; Kenna, CS 109 no. 150, pl. 7, 38 n. 5; idem, Kadmos 2, 1963, 3, 4 n. 9; (idem, Archaeology 19, 1966, 249, fig. 4); idem, Nestor 3, 1973, 829; E. Grumach, BullJ RylandsLib 46/2, 1964, 352 f., 357, 374–7 passim, 380, 381, 383, figs. 3:IIb,

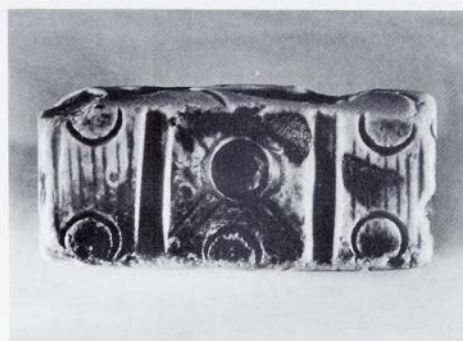
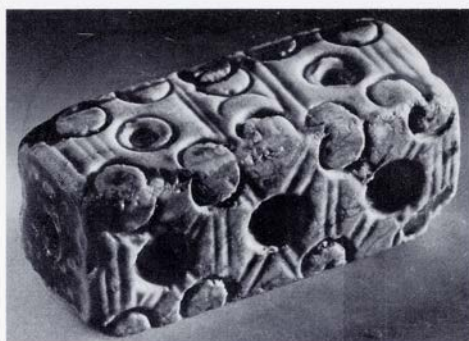
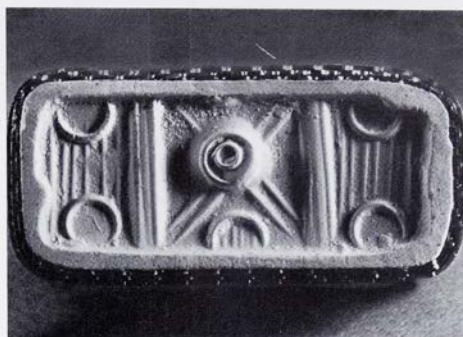
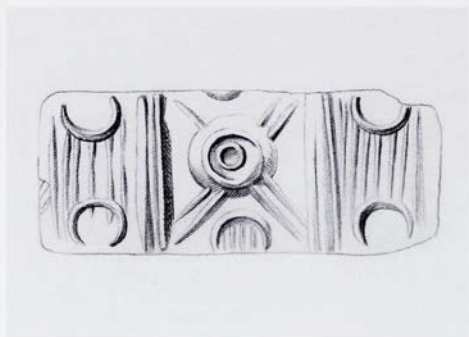


5:IVd, 8:VIIa; O. Pelon, BCH 89, 1965, 3; Davis, Decipherment 298 f., fig. 253; Boardman, GGFR 390 = 408; P. Meriggi, Kadmos 12, 1973, 129; P. Faure, Kadmos 14, 1975, 1, 4; Yule, ECS 66 (21b Four-sided prisms, hard stone), 215 (Hieroglyphic Deposit Group); J. G. Younger, SMEA 28, 1990, 91–3; Younger, Middle Phase 54, 106–10, 112, 114–7, 133, 139 f.; Olivier – Godart, CHIC no. 312; J. Best, Kadmos 42, 2003, 39, fig. 1b. On manufacture: Evelyn, Crafts 155.

a) E. Grumach in *Minoica*, 190, pl. 1:5; P. Meriggi, Kadmos 12, 1973, 129; P. Faure, Kadmos 14, 1975, 1, 4.

c) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 399); J. G. Younger, *Minos* 31–32, 1996–7, 400.

d) E. Grumach, Kadmos 2, 1963, 12 n. 13; N. Platon in *Orlandos III* 215 f., 218, fig. 8:7; (M. I. Finley, *Aspects of Antiquity* [1968] pl. facing p. 23).



106/1938.795

Cornelian, red-brown with some darker markings. Surfaces altered unevenly by uneven exposure to fire: sides a and c somewhat white, b opaque orange, d mostly white. Heat cracks visible on surface, esp. on b (the most heavily exposed to heat) and d. The red-brown interior is revealed by the drilled features (esp. on b), the chip on d and the perf.

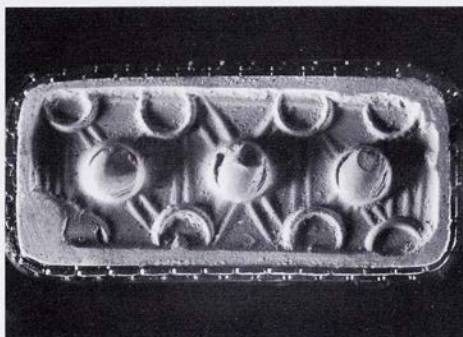
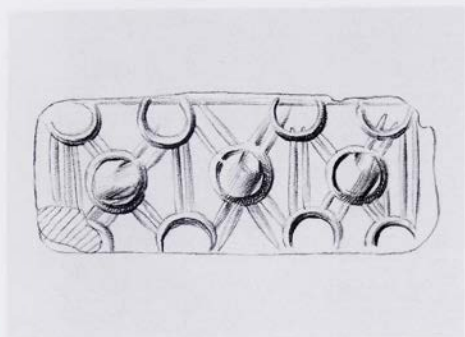
Four-sided prism, rectangular

L. 2.0, W. 0.8, Perf. 0.2

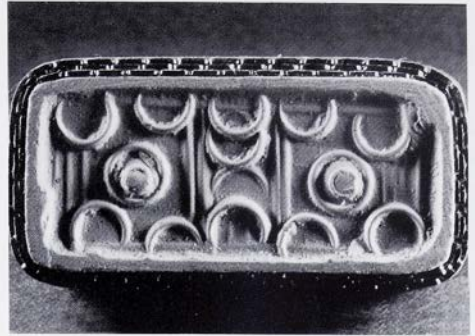
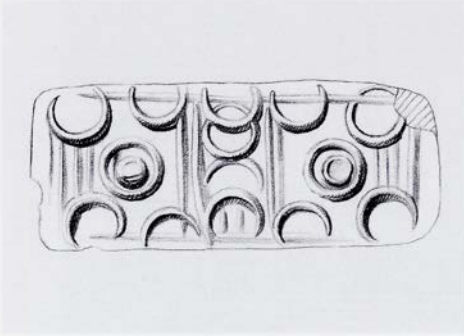
Chipped at corners and along right edge of side d

'From near Arkhanes' [40] (PM IV 526).

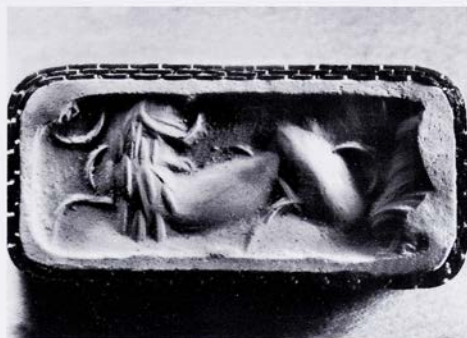
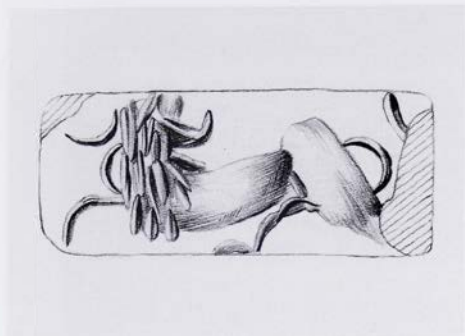
a) Three registers: the outer two with two tubular drill crescents and hatching between; the centre with double concentric hoop and crescent and double cross. Bar dividers.



b) Three registers with double crosses, double line dividers and a line border. Blobs at the centres of the crosses, tubular drill crescents at the junctions of the arms.



c) Three registers with double line dividers and line border; the outer ones with hoop and blob and corner crescents; the centre with four overlapping crescents.

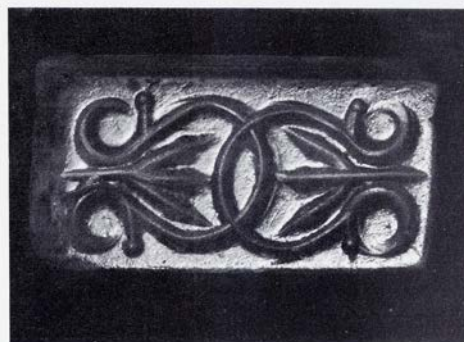
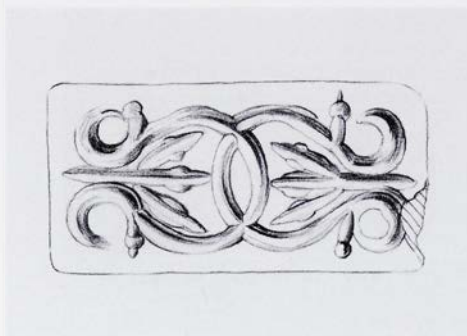


d) A crouching lion with head turned back. Tubular drill crescents for muzzle, forepaw, tail and a mark behind the head.

Commentary: Interesting combination of MM abstract motifs with a figure (lion), the latter pointing ahead to Talismanic and Cut Style work, which almost never uses this shape. Cf. Olivier – Godart, CHIC 28 n. 18.

Comparanda: Cf. 239.

Bibliography: Kenna, CS 108 f. no. 147, pl. 7, 73; idem, Nestor 3, 1973, 829; Boardman, GGFR 390 = 408, 392 = 410; Papapostolou, Sphragismata 136; Yule, ECS 66 (21b Four-sided prisms, hard stone), 202 n. 21; Onasoglou, DtS 101, 167 f., 287 f., pl. LXIII Is-7, pl. LXVI Is-68–70; eadem in CMS Beih. 3, 194 n. 30 no. 43; J.-C. Poursat in CMS Beih. 5, 213; Younger, Middle Phase 13, 69, 139, 171 (Arcs, Group 4); Sakellarakis, Archanes 672 n. On manufacture and colour: Evely, Crafts 155. d) PM IV 526, fig. 472; (Boardman, IG 32 n. 1); Papapostolou, Sphragismata 58 n. 1, 142 n. 3; Yule, ECS 129 (Index: Lions 23).



107/1938.1008

Chalcedony, greyish-white, translucent, with thin bands along the unengraved sides

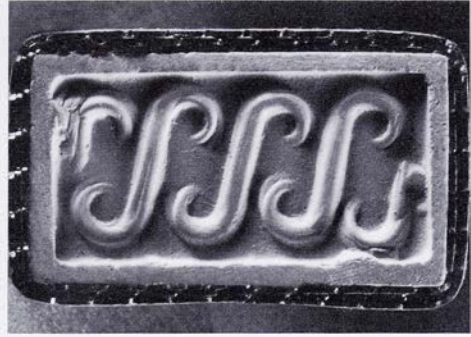
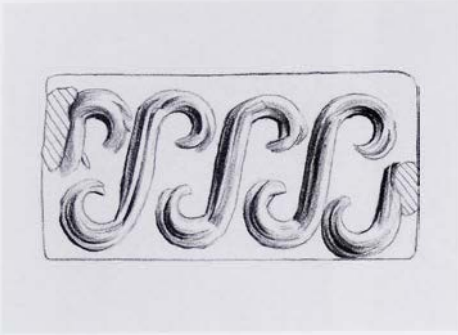
Tabloid seal

L. 1.5, W. 0.73, Th. 0.42, Perf. 0.24–0.28

Condition good

Chersonesos [35]. Acquired by Evans 1894.

a) An antithetic pattern of two interlocking omegas and two trefoils.



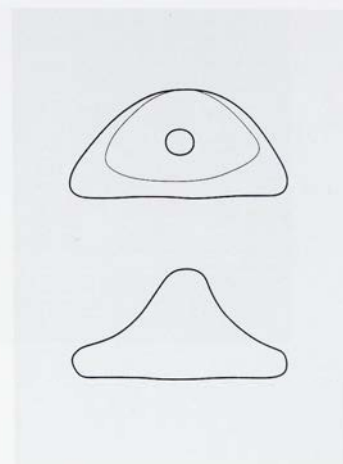
b) Three S's with a smaller S in one corner and a small J in the diagonally opposite corner.

Tubular drill used for all curved elements.

Bibliography: Kenna, CS 113 no. 171, pl. 7, 31; idem, Nestor 3, 1973, 829; O. Pelon, BCH 89, 1965, 3; Boardman, GGFR 391 = 409; Poursat, Quartier Mu II 225; Yule, ECS 73 (26c Rectangular Plates, hard stone), 215 (Hieroglyphic Deposit Group); Younger, Middle Phase 72, 91, 122, 143, 166 (Messy Cartouche); Brown – Bennett, Travels 180 f., 430 f. no. 190. On manufacture and colour: Evely, Crafts 155.

a) N. Platon in Orlandos III 217 f., fig. 8:8.

b) Yule, ECS 143 (Index: Lilies 4), 161 (Index: S-hooks and S-spirals 21).



108/AE 1766

Serpentine, green

Button seal

Ø 1.43, H. 0.7, Perf. 0.2

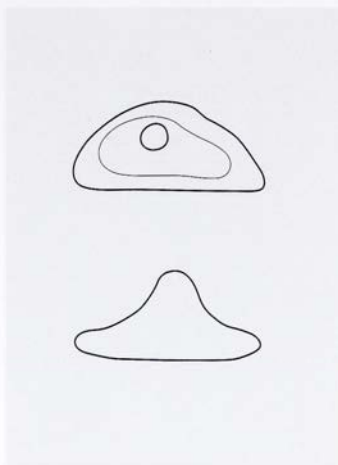
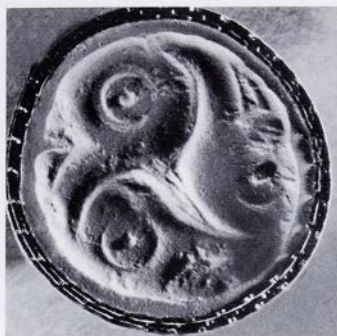
Somewhat worn

?Crete (Acc. Reg.).

A whorl of six sprays springing from a hoop with centre dot. Blobs between the sprays.

Comparanda: On relation to XIIth Dynasty Egyptian pieces see Introduction, pp. 14, 22.

Bibliography: Kenna, CS 99 no. 81, pl. 4; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Yule, ECS 36 f. (4a Buttons, soft stone). On manufacture: Evely, Crafts 156.



109/1938.787a

Serpentine, green (cf. 111, 112)

Button seal

Ø 1.23–1.3, H. 0.5, Perf. 0.25

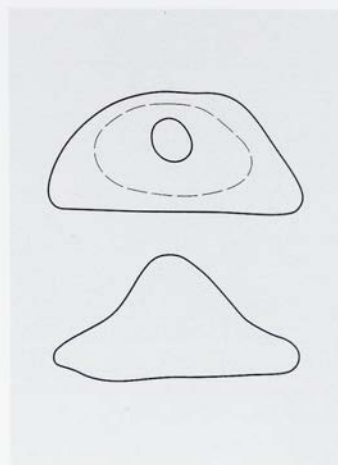
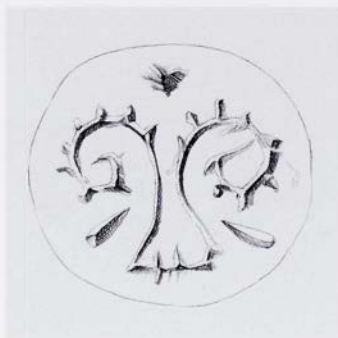
Condition good

?Crete (Acc. Reg.).

A whorl of three crescents. A hoop (tubular drill) and dot in each arm, and triangular cuts.

Comparanda: On relation to XIIIth Dynasty Egyptian pieces see Introduction, pp. 14, 22.

Bibliography: Kenna, CS 99 no. 76, pl. 4, 31, 34; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 14); Boardman, GGFR 389 = 407; Yule, ECS 36 f. (4a Buttons, soft stone), 106 n. 30, 163 (Index: Dreipässe 4).



110/1938.786

Serpentine, green, with black patch on part of face

Button seal

Ø 1.7, H. 0.8, Perf. 0.3

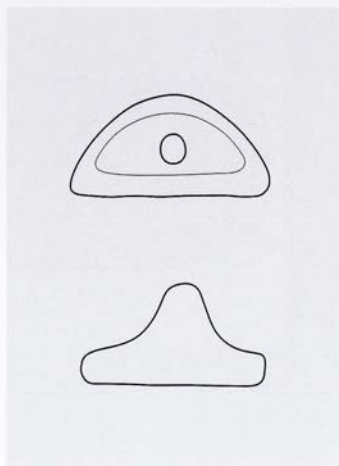
Worn

?Crete (Acc. Reg.).

'Lily' with large notched spiral leaves running into an open stem, with small triangular flower. A straight cut at each side.

Comparanda: On relation to XIIth Dynasty Egyptian pieces see Introduction, pp. 14, 22.

Bibliography: Kenna, CS 99 no. 77, pl. 4, 31; (idem, *Kadmos* 1, 1962, 7); idem, *Nestor* 3, 1973, 829; Boardman, *GGFR* 389 = 407; Yule, *ECS* 36 f. (4a Buttons, soft stone). On manufacture: Evely, *Crafts* 156.



111/AE 1225

Serpentine, greenish-black (as 112, 113)

Button seal

Ø 1.2–1.3, H. 0.65, Perf. 0.2

Slightly worn

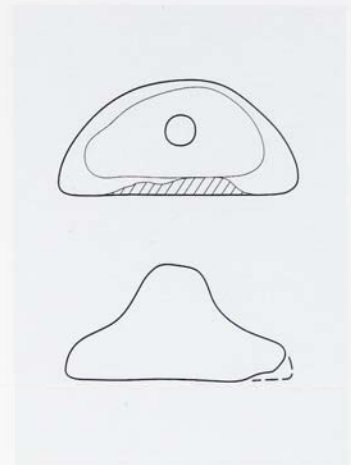
Messara district (Evans, JHS 14, 1894, 328).

Acquired by Evans 1894. Given by him.

'Lily' with large spiral leaves, conical stem and two triangular cuts beside.

Comparanda: Motif: cf. CMS II,2 No. 142; III,1 No. 223a. On relation to XIIth Dynasty Egyptian pieces see Introduction, pp. 14, 22.

Bibliography: Evans, JHS 14, 1894, 327 f., fig. 49c; Evans, SM I, fig. 78g, 136; PM I 201, fig. 150g; Matz, Siegel 16 f., pl. XII:6, K186; idem, Historia 1, 1950, 181; idem, MarbWPr 1957, 5 n. 15; (Sakellariou, CollGiam 16); Kenna, CS 99 no. 75, pl. 4, 34 n. 3, fig. 45g; idem, AA 1964, 927 n. 48, fig. 18, 928 n. 53; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Yule, ECS 36 f. (4a Buttons, soft stone). On manufacture: Evely, Crafts 156.



112/AE 1229

Serpentine, greenish-black (as 111, 113, also 135)

Button seal

Ø 1.6, H. 0.7, Perf. 0.2

Slightly worn

Messara district (Evans, JHS 14, 1894, 328).

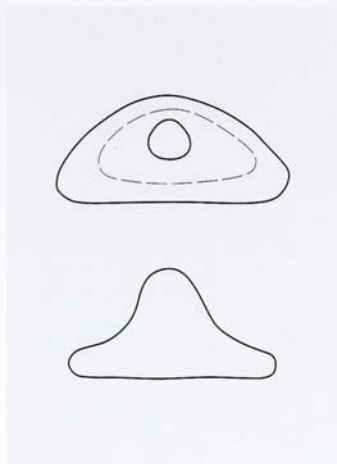
Acquired by Evans 1894. Given by him.

A notched C spiral rising from a plump stem, resembling an elaboration of the lily motif. Two plump buds and four triangular cuts in the field.

Commentary: Description and illustrations here give the motif opposite ways up. Cf. the reversed illustrations of Sakellariou, CollGiam pl. XXI no. 160 = CMS III,1 No. 93. Designs of this family have been illustrated both ways (more often with the C spiral above).

Comparanda: On relation to XIIth Dynasty Egyptian pieces see Introduction, pp. 14, 22.

Bibliography: Evans, JHS 14, 1894, 327 f., fig. 49e; Evans, SM I 136, fig. 78e; PM I 200 f., fig. 150e; PM II 199 f., fig. 110Ag; PM IV 249, fig. 187g; Matz, Siegel 16 f., pl. XII:7, K187; idem, Historia 1, 1950, 181; idem, Marb-WPr 1957, 5 n. 15; (D. Levi, ASAtene 19–20, 1957–58, 92); Kenna, CS 98 f. no. 74, pl. 4, 31, 34 n. 3, fig. 45e; idem, AA 1964, 927 n. 48, fig. 16, 928 n. 53; idem, Nestor 3, 1973, 829; Boardman, GGFR 31, 97, 389 = 407, pl. 13; Yule, ECS 36 f. (4a Buttons, soft stone), 159 (Index: C-hooks and C-spirals 8). On manufacture: Evelyn, Crafts 156.



113/1941.156

Serpentine, greenish-black (as 111, 112)

Button seal

Ø 1.55–1.4, H. 0.7, Perf. 0.28

Somewhat worn; chipped at edge

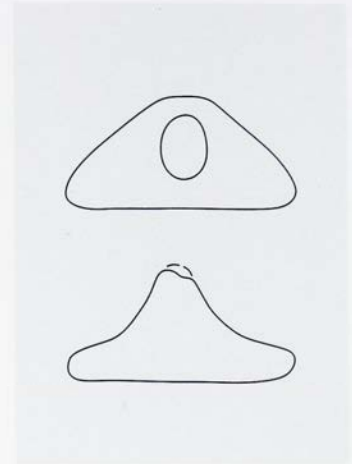
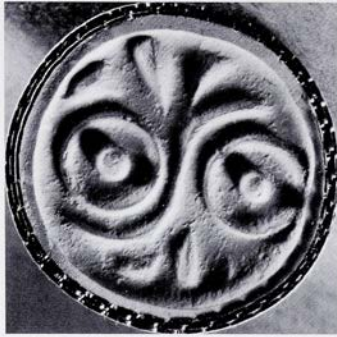
Crete, etc. (Acc. Reg.).

Two spirals with a short centre stalk spring from a hatched pear-shaped object. Triangular cuts at each side.

Commentary: Motif is probably intended for a floral but it also recalls the MM dancers in 'petaloid' dresses on pottery from Phaistos. See J. G. Younger in CMS Beih. 5, 337 n. 35.

Comparanda: On relation to XIIth Dynasty Egyptian pieces see Introduction, pp. 14, 22.

Bibliography: Kenna, CS 99 no. 78, pl. 4, 31; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Yule, ECS 36 f. (4a Buttons, soft stone), 172 (Index: Miscellaneous motifs 2), 175 (Index: Abstracted...motifs 24); J. G. Younger in CMS Beih. 5, 337 n. 35. On manufacture: Evely, Crafts 156.



114/1938.787b

Serpentine, black-greenish

Button seal

Ø 1.6, H. 0.8, Perf. 0.3

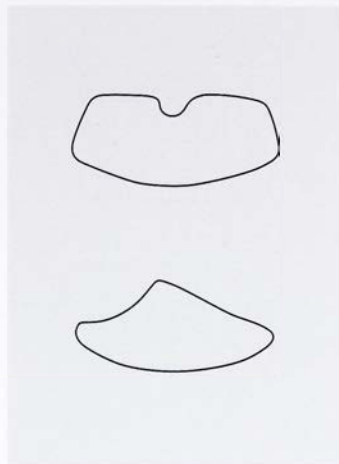
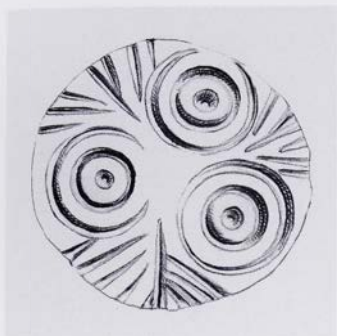
Condition good

?Crete (Acc. Reg.).

Two hoops (tubular drill) with centre dots, an S between them making a false S-spiral; detached trefoils above and below.

Comparanda: Motif and shape: cf. CMS II,2 No. 149. On relation to XIIIth Dynasty Egyptian pieces see Introduction, pp. 14, 22.

Bibliography: Kenna, CS 99 no. 79, pl. 4, 31, 34 n. 8; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 14); Boardman, GGFR 389 = 407; Yule, ECS 36 f. (4a Buttons, soft stone), 106 n. 30, 161 (Index: S-hooks and S-spirals 21). On manufacture: Evely, Crafts 156.



115/1925.46

Serpentine, green

Button seal with convex face

Ø 1.4, H. pres. 0.6

Perf. broken through

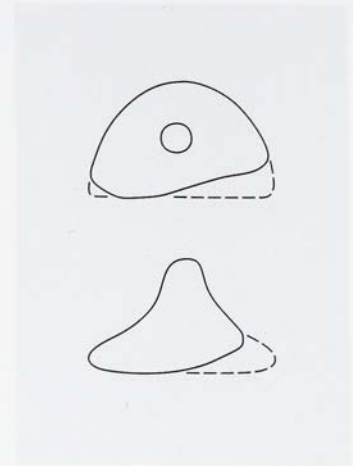
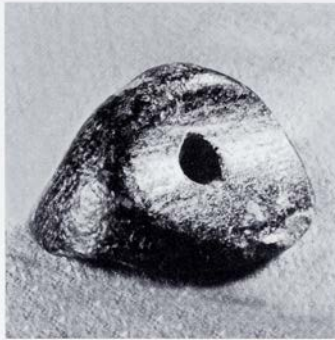
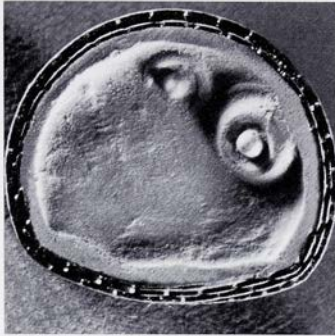
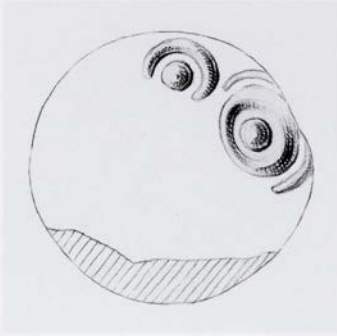
Procured in Athens by A. M. Woodward.

Bought from him.

Three triple concentric hoops (tubular drill) with centre dots and branches between.

Comparanda: Motif and shape: cf. CMS II,2 No. 149; III,1 Nos. 82, 85. Motif: cf. CMS III,1 Nos. 58, 137. On relation to XIIth Dynasty Egyptian pieces see Introduction, p. 14, 22.

Bibliography: Kenna, CS 99 no. 80, pl. 4, 73 n. 5; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 14); (Münzen und Medaillen Exhibition 25, n. 68); (J. Boardman, JHS 88, 1968, 5 n. 12); idem, GGFR 389 = 407; Yule, ECS 36 f. (4a Buttons, soft stone), 106 nn. 28, 30. On manufacture: Evely, Crafts 156, pl. 36:3.



116/AE 1767

Serpentine, grey

Button seal

Ø 1.2, H. 0.7, Perf. 0.2

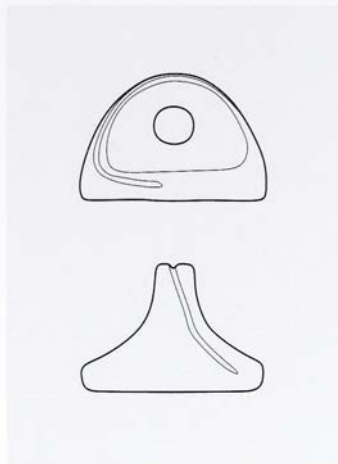
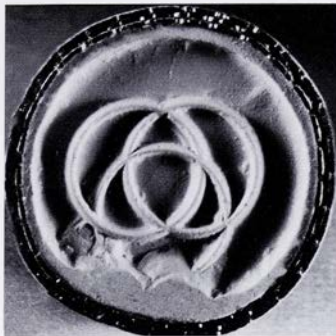
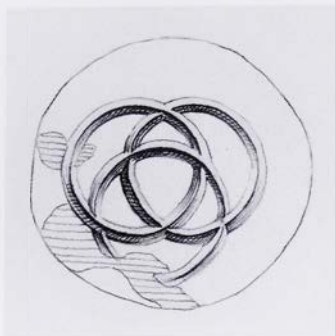
Most of face and part of edge missing

?Crete (Acc. Reg.).

A single and a double-concentric hoop (tubular drill) with centre dots are all that survive.

Comparanda: See at **115**. On relation to XIIth Dynasty Egyptian pieces see Introduction, pp. 14, 22.

Bibliography: Kenna, CS 99 no. 82, pl. 4, 73 n. 5; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Yule, ECS 36 f. (4a Buttons, soft stone), 106 n. 30.



117/1938.785

Rock crystal

Button seal. The high flat loop bears an S-shaped groove (a compromise between a button seal and a scaraboid with convoluted back?)

Ø 1.25, H. 0.9, Perf. 0.27

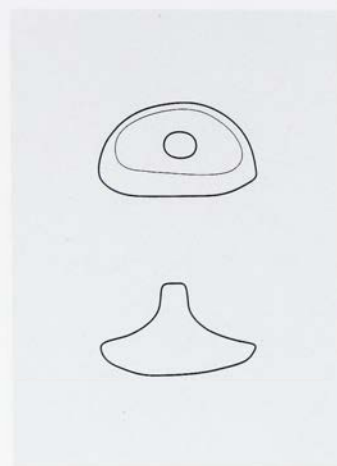
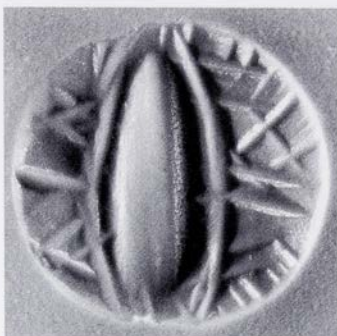
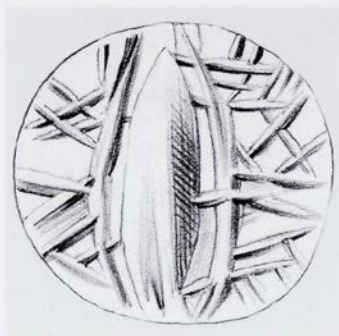
Somewhat worn and cracked. A chip along the edge

'Archanes' [40] (PM IV 93). See Introduction, p. 11.

Comparanda: Material and motif: cf. CMS II,2 No. 19. Motif: see J. Aruz in Mellink – Porada – Özgüç 44.

Bibliography: PM IV 93, fig. 60, 315, fig. 252; D. Levi, *ASAtene* 19–20, 1957–58, 69; idem, *ASAtene* 23–24, 1961–62, 96; Kenna, CS 103 no. 110, pl. 5, 3 n. 12, 36 n. 4, 73 n. 5; idem, *Nestor* 3, 1973, 829; (S. Alp, *Zylinder und Stempelsiegel aus Karahöyük bei Konya* [1968] 245); Boardman, *GGFR* 390 = 408; Yule, *ECS* 37 f. (4b Buttons, hard stone), 144 (Index: Tubular drill ornament 10); idem, *BSA* 78, 363 n. 14; Younger, *Middle Phase* 62, 152 (Olympic Circles); Sakellarakis, *Archanes II* 672 n., 683, fig. 777. On manufacture: Evelyn, *Crafts* 156.

Three intersecting hoops (tubular drill).



118/AE 1773

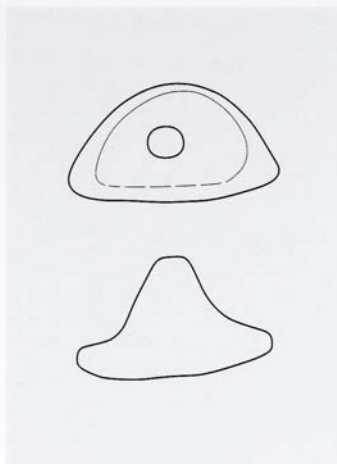
Agate, half red and half white
 Button seal with convex face
 Ø 1.05, H. 0.65, Perf. 0.2
 Small chip at edge
 ?Crete (Acc. Reg).

An outlined bud with irregular cross-hatching at either side.

Commentary: Talismanic technique. The 'bud' is formed like a Talismanic sepia body but lacks arms. cf. Yule, ECS 115 38 (where this stone, CS 115, was clearly intended for the sentence about intaglios 'akin to' the Talsimanic group).

Comparanda: Hard-stone buttons in Talismanic style: CMS III,2 No. 338; VII No. 54; also VIII No. 37 (not in Onassoglou, DtS).

Bibliography: Kenna, CS 104 no. 115, pl. 6; idem, Nestor 3, 1973, 829; Boardman, GGFR 390 = 408; Yule, ECS 37 f. (4b Buttons, hard stone), 146 (Index: Tectonic ornament 21), 220 (Classical Tectonic); Younger, Middle Phase 31, 89, 134, 170 (Insects). On manufacture: Evely, Crafts 156, pl. 36:1.



119/AE 1768

Serpentine, grey (rather hard, Mohs 4?)

Button seal with convex face

Ø 1.4, H. 0.8, Perf. 0.28

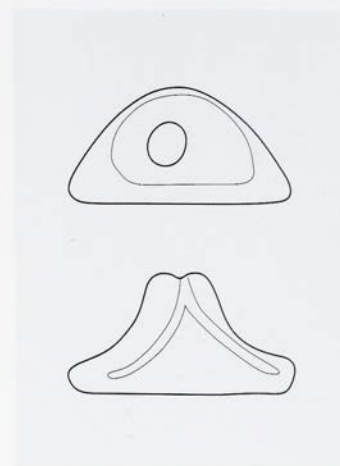
Somewhat worn

?Crete (Acc. Reg.).

A rough T of double strokes with broad hatching at either side and a double zigzag above.

Comparanda: cf. CMS III,1, No. 88.

Bibliography: Kenna, CS 99 no. 83, pl. 4; idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407; Yule, ECS 36 f. (4a Buttons, soft stone), 146 (Index: Tectonic ornament 16), 220 (Common Tectonic).



120/1952.51

Serpentine, green-black

Button seal. The rising back is outlined by grooves.

Ø 1.5, H. 0.8, Perf. 0.25

Condition good

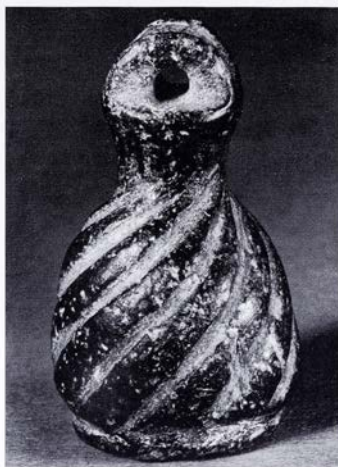
Evans bequest 1941. Found unregistered 1952 (Acc. Reg.).

A goat.

Commentary: The stiff, straight-backed animal does not look typically Minoan, but cf. CMS II,2 Nos. 215c, 311b; V Suppl. 3,2 No. 317. Perhaps not Egyptian (J. Phillips, pers. comm.). See Introduction, pp. 7, 14, 22.

Comparanda: cf. CMS III,1 No. 88.

Bibliography: Kenna, CS 99 f. no. 84, pl. 4; (idem, Syria 44, 1967, 117 n. 2); idem, Nestor 3, 1973, 829; Boardman, GGFR 389 = 407. On manufacture: Evely, Crafts 156.



121/1938.776

Steatite, dark grey

Bottle-shaped signet with flat loop handle which has a grooved edge. Spiral grooves around the body. The face set off, treated as though a separate applied disc

Ø face 1.4, Ø of body max. 1.7, H. 2.8

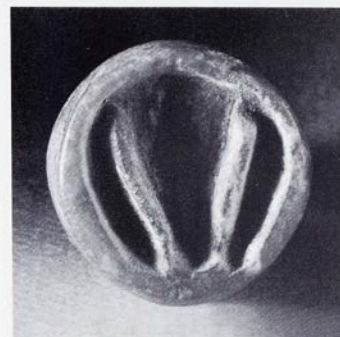
Condition good

?Crete (Acc. Reg.).

A scorpion and a notched line or branch.

Comparanda: Shape: to Yule, ECS 34 f. add CMS V Suppl. 1A No. 321. Spiral grooves and set-off base: cf. Sakellarakis, Archanes II, figs. 740, 778. Motif: cf. CMS III,1 Nos. 160c, 200a.

Bibliography: Kenna, CS 89 no. 17, pl. 1; idem, AA 1964, 921 n. 41; idem, Nestor 3, 1973, 829; Boardman, GGFR 388 = 406; Yule, AA 1977, 144 n. 7; Yule, ECS 34 f. (3b Bottles, soft stone), 135 (Index: 'Insects' 15).



122/1938.782

Light green opaque stone (Cycladic?)

Reel. No perf.

Ø of face a 1.2, face b 1.3, Th. 0.75

Condition good

Siteia town.

a) A whorl of three hooks.

b) Frontal head of a sheep.

Commentary: Difficult to date. EBA III, MBA I or later? So far no satisfactorily close parallel has come to light. Stone of rather 'sugary' texture. Cycladic?

Comparanda: Goodison, DWS 39–44 (a, rayed whorl).

Bibliography: Kenna, CS 92 no. 35, pl. 2; idem, AA, 921 n. 41; idem, Nestor 3, 1973, 829; Yule, ECS 74 (27a Reels, soft stone and ivory); Brown – Bennett, Travels 130–3, 422 f. no. 128. On manufacture: Evely, Crafts 150.

b) (J. A. Sakellarakis, PZ 45, 1970, 189 n. 398); Onasoglou, DtS 124 n. 719; E. Giannouli in Pepragmena 8, A'1, 245.



123/1938.775

Serpentine, grey-green

Bottle-shaped seal with thin loop handle.
Spiral incisions start at top of body but do not
continue to the baseØ face 1.4, Ø of body max. 1.6, H. 2.7, Perf.
0.25

Condition good

'From Central Crete', acquired by Evans at
Candia (Evans, SM I 120 n. 4).A whorl of three hook spirals, the edges filled with
triangles.*Comparanda:* Shape: to Yule, ECS 34 f. add CMS V
Suppl. 1A No. 321. Motif: cf. CMS III,1 No. 57; see
Sbonias, Frühkretische Siegel 87-99.*Bibliography:* Evans, SM I 120 f., fig. 54; Matz, Siegel pl.
IX:29; G. E. Mylonas, Aghios Kosmas, An Early Bronze
Age Settlement and Cemetery in Attica (1959) 158;
Kenna, CS 91 no. 29, pl. 2:31; idem, AA 1964, 921 n.
41; idem, Nestor 3, 1973, 829; (D. Levi, ASAtene 23-
24, 1961-62, 96 n. 2); (S. Alp, Zylinder und Stempelsiegel aus Karahöyük bei Konya [1968] 222); Boardman, GGFR 388 = 406; P. Yule, AA 1977, 144 n. 7; Yule, ECS 34 f. (3b Bottles, soft stone), 163 (Index: Dreipässe 3).



124/1938.936

Jasper, green

Loop signet (Petschaft). The sides of the loop carry three grooves. Oblique lines on the torus at the top of the stalk, which splays in eight facets to a disc base with a groove behind the convex face

Ø 1.25, H. 1.4, Perf. 0.25

Condition good

Sta Límnia, Sto Dháso [5], near Zíros [6], (Evans, JHS 17, 1897, 342 f.: 'found in a pre-historic *phourion* called Sto Dáso in the upland glen of sta Limnia'). Acquired by Evans 1896.

Hieroglyphic signs with a 'bugle' and a bud. The background is cross-hatched.

Comparanda: Design of stalk: cf. 125, 131; CMS II,1 No. 122; X No. 53 (now OAM 1989.75). Signs with cross-hatching: cf. CMS II,5 No. 300; I Suppl. No. 73a; VII Nos. 255, (less close) 41, all green jasper.

Bibliography: Evans, The Academy no. 1258, 13 June 1896, 493 f. no. 1261, 4 July 1896, 18, repr. AJA 11, 1896, 451, 459; Evans, JHS 17, 1897, 332, 342 f., fig. 11; Evans, SM I 156 P38, 140, fig. 85, pl. II; PM I 274–7, figs. 204h, 207e; Matz, Siegel 18 f., pl. XIV:5, K199; (Pendlebury, AC 126, 147); (F. Matz, Historia 1, 1950, 181 n. 82); Stawell, CCS 100; (T. Wroncka, BCH 83, 1959, 532); Kenna, CS 107 f. no. 139, pl. 6, 39, fig. 56, 73 n. 14, 74 n. 3; (idem, Kadmos 1, 1962, 8); (idem in Brice, Europa 174); idem, Nestor 3, 1973, 829; E. Grumach, Bull[RylandsLib 46/2, 1964, 370, 378, 384, fig.



10:ii; (M.-L. Erlenmeyer – H. Erlenmeyer, Kadmos 4, 1965, 3, fig. 10); (J. J. Reich, JHS 86, 1966, 162); Davis, Decipherment 129, fig. 64; idem, Greece and Rome 11, 1964, 120, fig. 13; (M. H. Wiencke, AJA 73, 1969, 36 n. 33); Boardman, GGFR 34, 91, 390 = 408, 401 = 419, colour p. 29:8; (P. Yule, AA 1977, 144 n. 8); Yule, ECS 86 f. (31j Petschafte, hard stone), 123 (Index: Goats 2), 147 (Index: Cross-hatching 22), 215 (Hieroglyphic Deposit Group); J. Best – F. Woudhuizen, Lost Languages from the Mediterranean (1989) 113 f., fig. 8a:2; M. H. Wiener in N. H. Gale (ed.), Bronze Age Trade in the Mediterranean, SIMA XC, 1991, 336; Younger, Middle Phase 54, 110, 117, 136, 143; Olivier – Godart, CHIC no. 193; J. G. Younger, Minos 31–32, 1996–7, 399; Brown – Bennett, Travels 214 f., 225, 442 f. no. 253; (Wang Yixin 238, fig. 176); F. C. Woudhuizen, Kadmos 41, 2002, 123. On manufacture: Evelyn, Crafts 155 f., pl. 37:1.



125/1938.932

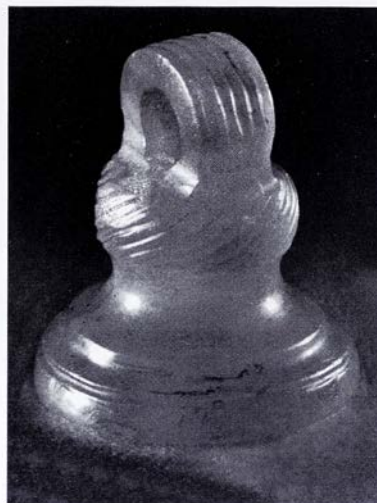
Chalcedony, pale

Loop signet (Petschaft). The edges of the loop are grooved. Close oblique lines on the torus at the top of the stalk, which splays in two steps to the disc base

Ø 1.2, H. 1.4, Perf. 0.17

Condition good

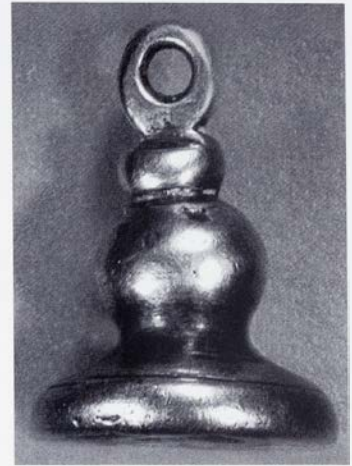
Kaló Chorió near Kritsá [20] (Evans, SM I 156).



Hieroglyphic signs. Between them and at reduced size are a dot, a crescent, a bar with dotted ends and a flower.

Comparanda: Design of stalk: see at 124. See further Introduction, p. 15.

Bibliography: Evans, SM I 140, fig. 84, 156 P39, pl. II; PM I 277, fig. 207g; Matz, Siegel 18 f., K211; Stawell, CCS 100; Kenna, CS 107 no. 138, pl. 6, 39 n. 5, 73 n. 14, 74 n. 3; idem, Kadmos 1, 1962, 8; (idem in Brice, Europa 174); idem, Nestor 3, 1973, 829; E. Grumach, BullJ RylandsLib 46/2, 1964, 357, 377, 381, fig. 5:IVc; (M. Pope, Aegean Writing and Linear A, SIMA VIII [1964] 4, fig. 1); (J. J. Reich, JHS 86, 1966, 162); (M. H. Wiencke, AJA 73, 1969, 36 n. 33); Boardman, GGFR 98, 390 = 408, 401 = 419, pl. 31; (P. Yule, AA 1977, 144 n. 8); Yule, ECS 86 f. (31j) Petschafte, hard stone), 143 (Index: Branches 3), 215 (Hieroglyphic Deposit Group); Younger, Middle Phase 54, 106, 110, 113, 115 f.; Olivier – Godart, CHIC no. 186; J. G. Younger, Minos 31–32, 1996–7, 399.



126/AE 2327

Silver alloy (see Introduction p. 19)

Loop signet (Petschaft) with flat face. Flat loop. Double torus stalk, below which is a groove around the sloping base

Ø 1.1, H. 1.55. Handle 0.38 × 0.4, 0.65 × 0.63, Th. 0.11, Perf. 0.2

Condition good

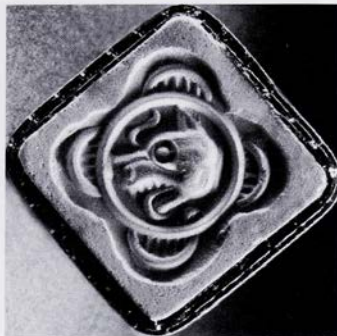
'Neapolis' [26] (old mount label). 'Silver with hieroglyphs' with sketch, bracketed as 'Seager' with 143 (Evans notebook '1922 Crete'). 'From East Crete', obtained by exchange from R. B. Seager (PM IV 488). See Introduction, pp. 7f.

Hieroglyphic signs, including a ship.

Commentary: Entirely cast, but the oars of the ship were probably engraved after casting.

Comparanda: CMS II,2 no. 252. See further Introduction p. 15.

Bibliography: PM IV 488; Olivier – Godart, CHIC no. 192; J. G. Younger, *Minos* 31–32, 1996–7, 390, 400; I. Pini, *Creta Antica* 6, 2005, 64 no. 26, 78, pls. II:24, III:1-2.



127/1938.937

Cornelian, red

Loop signet (Petschaft). The top of the stalk is grooved; below are four flat leaf-shaped faces splaying to the four-lobed base

Face 0.8 (at waist), 0.9 (across), 1.1 (diagonal), H. pres. 1.0

Top broken off at the perf.

Kedrí near Hierapetra [15], 'found on this site' (Evans, *The Academy* 1263, 18 July 1896, 53 f., repr. *AJA* 11, 1896, 463). Acquired by Evans 1896.

The head of a dog with lolling tongue, Hieroglyphic sign 018. An S and crescent over dot beside it, in a tubular drill border with four hatched crescents attached, filling the lobes of the seal base.

Comparanda: Shape: cf. CMS II,5 No. 62; III,1 No. 109. Motif, style: cf. CMS II,8,1 Nos. 37, 38, 75. Style: E. Thomas in CMS Beih. 6, 307.

Bibliography: Evans, *The Academy* no. 1258, 13 June 1896, no. 1263, 18 July 1896, 53 f., repr. *AJA* 11, 1896, 451, 463; Evans, *JHS* 17, 1897, 343, fig. 12; Evans, *SM* I 140 f., fig. 86, 157 P40, 209, pl. II; *PM* I 274, fig. 204i, k; R. Zahn, *AA*, 1901, 21, 23; Hall, *AegA* 207, fig. 86; Stawell, *CCS* 100; Matz, *Siegel* 18 f., pl. XIV:6, K200; (Pendlebury, *AC* 126, 147); (F. Matz, *Historia* 1, 1950,

181 n. 82); (D. Levi, *ASAtene* 19–20, 1957–58, 105); Kenna, *CS* 108 no. 142, pl. 6; idem in *Festschrift Matz* 4; idem, *AJA* 68, 1964, 4; idem, *Nestor* 3, 1973, 829; idem in *CMS* VIII, xii; Davis, *Decipherment* 151 f., fig. 92; Boardman, *GGFR* 34, 91, 98, 390 = 408, pl. 36, colour p. 29:10; (J. A. Sakellarakis, *PZ* 45, 1970, 190 n. 414); (Buchholz et al., *ArchHom J*, 43 n. 152); P. Yule, *AA* 1977, 144 n. 5; Yule, *ECS* 29, 87 f. (31k miscellaneous Petschafte, hard stone), 130 (Index: Dogs and/or wolves 1), 215 (Hieroglyphic Deposit Group); Onasoglou, *DtS* 113 n. 656; (G. Walberg in *CMS* Beih. 3, 295); Younger in *Transition* 56; Younger, *Middle Phase* 27, 136, 139, 146, 150 (Palaiakastro Cat, Dog Head); E. Thomas in *CMS* Beih. 6, 307, fig. 3; Brown – Bennett, *Travels* 215, 229, 444 f. no. 254; (Wang Yixin 238, fig. 176); I. Pini, *Creta Antica* 6, 2005, 77 n. 15. On manufacture: Evelyn, *Crafts* 156.





128/1938.935

Jasper, very dark green, almost black
Loop signet (Petschaft). The side of the loop
is grooved. The top of the stalk is a disc with
grooved edge, then an oblong cushion-shaped
member over the low conoid disc base

Ø 1.2, H. 1.3, Perf. 0.2

Small chip on face

'Found near Archanes' [40] (PM III 418). See
Introduction p. xxx.

A seated sphinx with tail raised, mouth open. Two
long curling locks, one behind the head, the other
curling below it and forward, appearing to spring
from the back of the jaw (thus perhaps a curled
beard). Hoop with two tangents above. Triple
groundline.

Comparanda: Motif: cf. CMS III,1 No. 230b; (later) V
Suppl. 3,2 Nos. 352, 359. Subject: Sakellariou, Coll-
Giam 20 f. at no. 111; J.-C. Poursat in *AntCret* 111-4;
H. Hughes-Brock in Karetsoy, Κρήτη - Αίγυπτος 122;
J. Aruz in Mellink - Porada - Özgüç 37 f. Style: E. Tho-
mas in CMS Beih. 6, 307 n. 8.

Bibliography: PM III 418 f., fig. 283; Dessenne, *Sphinx*
44 f. no. 55, pl. V, 125, 178; idem, BCH 89, 1957, 208;
Levi, *ASAtene* 19-20, 1957-58, 123; Sakellariou, Coll-
Giam 21; Kenna, CS 105 no. 122, pl. 6; idem, *Nestor* 3,
1973, 829; Hood, *Minoans* 103; Boardman, *GGFR* 34,
98, 390 = 408, pl. 30; J. Boardman in *AntCret* 117 n. 19;
J.-C. Poursat, *ibid.* 111-4, pl. XI:1; (H. Demisch, *Die*
Sphinx [1977] 65, fig. 172); (P. Yule, *AA* 1977, 144 n. 8);
R. Higgins, *The Aegina Treasure: An Archaeological*
Mystery (1979) 28, fig. 23; Yule, *ECS* 87 f. (31k miscel-
laneous Petschafte, hard stone), 139 (Index: Hybrid and
fantastic animals 2), 215 (Hieroglyphic Deposit Group);
C. Gates in Laffineur, *Transition* 222; J. Aruz in Mellink
- Porada - Özgüç 37, pl. 7:1; Younger, *Middle Phase*
12, 129, 140, 150 (Horned Owls); S. Hiller, *Minos* 29-
30, 1994-5, 26; Sakellarakis, *Archanes II* 672 n., 683,
fig. 777; H. Hughes-Brock in Karetsoy, Κρήτη -
Αίγυπτος 122, 124, fig. 7; E. Thomas in CMS Beih. 6,
307 n. 8; Krzyszkowska, *AS* 32, 90, 150, no. 146.



129/1938.934

Agate, whitened (exposed to heat)

Loop signet (Petschaft) with flat face. The edge of the loop has several grooves lengthwise and across each side, below. Triple interlaced cut on the torus of the stalk splays in two grooved steps over the disc base.

Ø 1.35, H. 1.4, Perf. 0.3

Condition good

'Found at Praisos' [9], acquired 1896 (Evans, *AJA* 11, 1896, 451). Chandrás [8] (Evans, *JHS* 17, 1897, 344 and *SM I* 141: probably the place of acquisition). Near Kritsá [21] (*PM IV* 488). Kedri near Hierápetra [15] (Kenna, *CS* at no. 121: probably combined in error with *CS* no. 142).

Two wild goats, one with its head turned back, stand with their forelegs on a triangular pile of rocks indicated by six drilled blobs. Beards and hair are marked. A curving branch at the left, hatching at the right. Line border.

Comparanda: Shape: cf. *CMS II*, 1 No. 122. Motif and subject: cf. 157; see Hallager *ut infra*; Goodison, *DWS* 44–46, 52–54; E. Chrysikopoulou, *AEphem* 138, 1999, 129–141. Style: E. Thomas in *CMS Beih.* 6, 307 n. 8.

Bibliography: Evans, *AJA* 11, 1896, 451; Evans, *JHS* 17, 1897, 334 f., fig. 16; Evans, *SM I* 141, fig. 87; *PM I* 274 fig. 204, m; *PM IV* 488, fig. 417; (A. Jolles, *JdI* 19, 1904, 31); Hall, *AegA* 207 f., fig. 87; Matz, *Siegel* 18 f., 125, pl. XIV:7, K201; P. Demargne in *Mélanges Dus-saud* 124 nn. 2, 3; J. Chittenden, *Hesperia* 16, 1947, 107, pl. XVb; (F. Matz, *Historia* 1, 1950, 181 n. 82); Nilsson, *MMR*² 386; D. Levi, *ASAtene* 19–20, 1957–58, 117; Kenna, *CS* 105 no. 121, pl. 6, 36, fig. 46, 103; *idem*, *Nestor* 3, 1973, 829; Hutchinson, *PC* 178, fig. 34;



(Mylonas, *Mycenae* 102 n. 58); Davis, *Decipherment* 152 f., fig. 95; Higgins, *MinMycArt* 51, fig. 48; (M. H. Wiencke, *AJA* 73, 1969, 36 n. 33); Boardman, *GGFR* 34, 98, 390 = 408, pl. 29, colour p. 29:6; A. Sakellariou, *AJA* 76, 1972, 449; Symeonoglou, *Kadmeia I* 47 f., 86 f., nn. 249, 270; P. Yule, *AA* 1977, 143, fig. 9; Yule, *ECS* 86 f. (31j Petschafte, hard stone), 123 (Index: Goats 23), 143 (Index: Branches 3), 169 (Index: Landscape elements 2), 215 (Hieroglyphic Deposit Group); (Hood, *APG* 215 f., fig. 213A); Hallager, *Master Impression* 17, fig. 20d; (S. Hiller in Hägg – Marinatos, *Function of the Minoan Palaces* 61 f., fig. 8b); C. Davaras, *AEphem* 1986, 47; P. Yule, *SMEA* 26, 1987, 177 ill. 2; Goodison, *DWS* 53 f., fig. 120a; Younger, *Middle Phase* 14, 121, 127, 134, 163 (Palms), 165 (Ring-Eye Goats); K. Krattenmaker in Rehak, *The Role of the Ruler* 56, pl. XXVc; (E. Chrysikopoulou, *AEphem* 138, 1999, 138 n. 64); E. Thomas in *CMS Beih.* 6, 307 n. 8; Brown – Bennett, *Travels* 196, 215, 444 f. no. 255; (Wang Yixin 238, fig. 176); Krzyszkowska, *AS* 12 f., 82 n. 11, 85, 89 f., 123 n. 14, no. 144 = C11. On manufacture: Evelyn, *Crafts* 156.



130/1910.282

Jasper, green

Loop signet (Petschaft) with flat face. A ridged torus on the stalk, which splays in two steps over the disc base

Ø 1.1, H. pres. 0.8

Top broken away at the perf.

Knossos [37]. Acquired by Evans probably 1898.

An owl, its head turned frontal and sporting two curling crests which fall at either side of the face. It is perched over a single-stalked flower. Behind is a small cut or flower.

Comparanda: Motif, flower: cf. CMS III,1 No. 19. Subject, owl: cf. 7 (shape), 148, 248, 257b; CMS II,3 No. 180; II,5 No. 311; II,6 No. 287; II,8 No. 163; cf. Weingarten, Zakro Master 90 n. 17. On style: E. Thomas in CMS Beih. 6, 307 n. 8.

Bibliography: Evans, SM 143, 156 P37, 210, pl. II; Matz, Siegel 18 f., pl. XIII:7, K210; Stawell, CCS 100; (Sakellariou, CollGiam 2); Kenna, CS 104 no. 118, pl. 6; (idem, Kadmos 3, 1964, 53); (idem, OpAth 8, 1968, 27, fig. 2); idem, Nestor 3, 1973, 829; Levi, ASAtene 19–20, 1957–58, 110; (Münzen und Medaillen Exhibition 25 n. 68); Davis, Decipherment 152, fig. 93; (M. H. Wiencke, AJA 73, 1969, 36 n. 33); Boardman, GGFR 34, 91, 98, 390 = 408, pl. 25, colour p. 29:9; Tzavella-Evjen, PtO, 49 no. 246, pl. 31; Yule, ECS 86 f. (31j Petschafte, hard stone), 133 (Index: Birds 9), 143 (Index: Lilies 3), 215 (Hieroglyphic Deposit Group); Weingarten, Zakro Master 87, 90 n. 17; eadem in Darcque – Poursat, L'Iconographie minoenne 172 n. 19; Ruuskanen, Birds no. C1.2, pp. 28, 42, 50 f., 58, 75 f. fig. 23, pl. 13 ('horned' owl); Younger, Middle Phase 29, 54, 111 f., 122, 125, 150 (Horned Owls); Vanschoonwinkel, Les animaux 380 no. 60; E. Thomas in CMS Beih. 6, 307 n. 8; Brown – Bennett, Travels 464, 466 f. no. 353; Krzyszkowska, AS 90, no. 147.



131/1910.281

Jasper, green

Loop signet (Petschaft) with flat face. Oblique lines on the torus at the top of the stalk, then a cavetto over the disc base

Ø 1.05, H. 0.9

Top broken off at the perf. Two large chips from edge

Goulás (Lato) [22]. Acquired by Evans 1896.

A cat seated, its head facing. Two Xs before the body. Between head and tip of tail an S formed by two arcs (see Introduction, p. 22 n. 74). Undisguised drill marks on shoulder and rump.

Comparanda: Motif and subject, cat: cf. 93, 100, 367, 368; see at 93. Design of stalk: see at 124.

Bibliography: Evans, BSA 2, 1895–96, 192; idem, JHS 17, 1897, 345, fig. 17; Evans, SM I 156 P36, 209, pl. II; Matz, Siegel 18 f., pl. XIII:8, K209; Stawell, CCS 100; D. Levi, ASAtene 19–20, 1957–58, 106; (Sakellariou, CollGiam 2); Kenna, CS 105 no. 120, pl. 6, 39 n. 5, 104; idem, Nestor 3, 1973, 829; (M. H. Wiencke, AJA 73, 1969, 36 n. 33); Boardman, GGFR 390 = 408, 401 = 419; Yule, ECS 86 f. (31j Petschafte, hard stone), 130 (Index: Cats 3), 215 (Hieroglyphic Deposit Group); Onassoglou, DtS 108 n. 633; Younger, Middle Phase 11, 54, 111, 115, 139, 146, 165 (Cat Masks, Button Mouths); J. Phillips in Pefragmena 7, A2, 763; Vanschoonwinkel, Les animaux 393 no. 283; P. Militello in Karetsoy, Κρήτη — Αίγυπτος 81; Brown – Bennett, Travels 460 f. no. 331; Phillips, Aegyptiaca no. 70. On manufacture: Evely, Crafts 156, pl. 38:7.



132/1938.931

Jasper, green

Loop signet (Petschafte) with flat face. The edge of the loop has three grooves. A grooved square member at the top of the stalk splays over the disc base

Ø 1.0, H. 1.1, Perf. 0.23

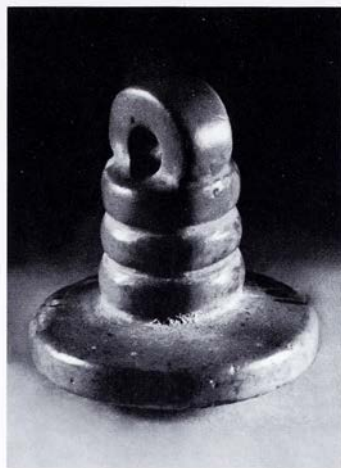
Chip at edge of base

Crete (Acc. Reg.).

Bibliography: Kenna, CS 104 f. no. 119, pl. 6; idem, Nestor 3, 1973, 829; (M. H. Wiencke, AJA 73, 1969, 36 n. 33); Boardman, GGFR 390 = 408; (J. A. Sakellarakis, PZ 45, 1970, 190 n. 407); Yule, ECS 86 f. (31j Petschafte, hard stone), 125 (Index: Bulls 4), 203 n. 42, 215 (Hieroglyphic Deposit Group); Weingarten, Zakro Master 87; eadem in Darcque – Poursat, L'Iconographie minoenne 172; Younger, Middle Phase 26, 131, 137, 165 (Bucrania); E. Thomas in CMS Beih. 6, 307 n. 8.

Frontal head of a sheep (horns strongly curled) or bull, the ears and forehead hair marked. Above, a long arc ending in blobs at either side of the horns; below, an arc with cross line at either side of the muzzle; pairs of lines drawn between the horns and muzzle. Line border.

Comparanda: Shape, lower part of stalk: cf. CMS XI No. 82. Motif: cf. CMS II,8,1 No. 36. Style: E. Thomas in CMS Beih. 6, 307 n. 8.



133/1938.933

Jasper, yellow

Loop signet (Petschaft) with convex face. The edge of the loop is plain. Triple torus stalk

Ø 1.4, H. 1.5, Perf. 0.2

Condition good

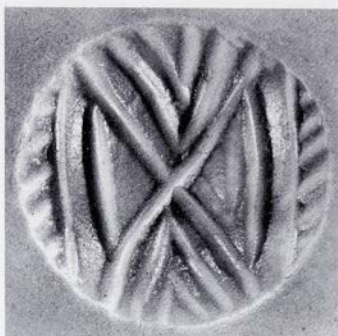
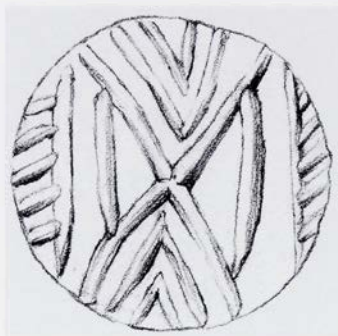
'Found in a deposit containing pottery of... M.M. II' (Evans, SM I 141; G. Karo, AM 35, 1910, 179 f. 'aus dem Palaste von Knossos' [37]). Acquired by Evans before 1909.

For possible background to prov. see N. Momigliano, BSA 95, 2000, 65–105 (p. 70 n. 13 on possible circumstances of acquisition).

Interlocking C-spirals making a pattern of quadruple lily flowers with hatched hearts. Within a broad hatched border.

Comparanda: Design of stalk: cf. CMS II,2 Nos. 24, 44; III,1 No. 106; V Suppl. 1A No. 323; X No. 273. Motif: see D. Collon, 'The scroll cross' in B. Hrouda, S. Kroll, P. Z. Spanos (eds.), *Von Uruk nach Tuttul: Eine Festschrift für Eva Strommenger* (1992) 45–50. Material: cf. CMS XI No. 16 (colour photographs: *Im Labyrinth des Minos* 277 no. 173 and Krzyszkowska, AS pl. 10).

Bibliography: Evans, SM I 141 f., fig. 89; PM II 199–201, fig. 110 Ao; PM IV 249, fig. 187o; G. Karo, AM 35, 1910, 179 f.; A. Gotsmich, *Entwicklungsgang der kretischen Ornamentik* (1923) 28, fig. 10; Matz, *Siegel* 18 f., pl. XII:3, K212; Stawell, CCS 41, fig. 4; H. Kantor, AJA 51, 1947, 27, pl. IVL; Kenna, CS 104 no. 117, pl. 6, 31, 35, 37 n. 1, 117 at no. 197; idem, Nestor 3, 1973, 829; Boardman, GGFR 34, 98, 376, 390 = 408, pl. 23, colour p. 29:7; P. Yule, AA 1977, 143, fig. 8, 144 n. 8; Yule, ECS 86 f. (31j Petschafte, hard stone), 154 (Index: Ladder ornament 5), 159 (Index: C-hooks and C-spirals 6), 215 (Hieroglyphic Deposit Group), 223 n. 41; Onassoglou, DtS 101 n. 597; P. Yule – K Schürmann in CMS Beih. 1, 276 n. 14; H. Hughes-Brock in CMS Beih. 5, 111 f.; Younger, Middle Phase 71, 75, 145 f., 161 (Spirals). On manufacture: Evely, Crafts 156.



134/AE 723

Rock crystal

Loop signet with plain loop, torus shaft and nearly hemispherical convex face

H. 1.45, \varnothing 0.1, Perf. 0.15

Condition good

Psychró Cave [28].

Quartered: the top and bottom quarters filled with chevrons, the side quarters with verticals and hatching at the edges.

Comparanda: Cf. Poursat, Quartier Mu II 178 f. no. 249 (close). Shape, hemispherical face: cf. CMS III,1 Nos. 58, 72, 73; X No. 48. Seals from sanctuaries: Younger, Phylakopi Seals 294 f.

Bibliography: Boardman, CCO 68 f. no. 286, fig. 31, pls. XXIII, XXIV; idem, JHS 88, 1968, 5 n. 12; Boardman, GGFR 390 = 408.



135/1963.1912

Serpentine, green and black flecked (similar to 112)

Loop signet (Petschaft) with plain loop rising from a disc, splaying stem and nearly hemispherical base

Ø 1.3, H. 1.5, Perf. 2.5 × 3

Surface slightly worn

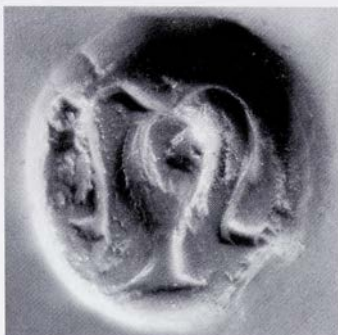
Bought in Athens by the Revd. Peter Levi, S. J.

Given by him.

A trefoil plant flanked by two hoops with central dot and two triangular cuts, the whole somewhat resembling an animal mask.

Comparanda: Motif: cf. 111; CMS III,1 No. 52; IV No. 78.

Bibliography: H. W. Catling, *ARepLond* 1963–4, 51; Yule, *ECS* 85 (31i Petschafte, soft stone); H. Hughes-Brock, *Classical Review* 97, N.S. 33, 1983, 89.



136/1925.056

Steatite, olive green

Loop signet (Petschaft) with flat face. A deep groove runs around the body towards the base
 Ø 1.15 × 1.10, H. 0.8

Top broken off through the perf. Chipped and worn. Crack on the face

Procured in Athens by A. M. Woodward.
 Bought from him.

Frontal head of a goat or sheep with incurved horns.

Commentary: Drill marks clearly visible in the broken perf.

Comparanda: Subject, goat: Goodison, DWS 52–54.

Bibliography: Kenna, CS 92 no. 34, pl. 2; idem, AA 1964, 921 n. 41; idem, Nestor 3, 1973, 829; (J. A. Sakellarakis, PZ 45, 1970, 190 n. 407); Yule, ECS 125 (Index: Bulls 1).



137/1938.1112

Gold (see Appendix, Analysis Results)

Loop signet (Petschaft). The loop narrows to the apex, cut back at each side for the suspension hole. The body is in the form of a drum with three pairs of long reel-shaped lugs attached vertically

Ø of face excluding lugs 1.0; Lugs 0.15, H. 1.4, Perf. 0.15, Wt. 12.25 gm. (PM IV 665)

Condition good

On or near the site of Knossos' [37], a 'quite recent find' (i.e. before 1935) acquired by Evans in Athens, apparently from another collector (PM IV 665). See Introduction p. 8.

A spiral of three double lines, each line terminating in a triangular bud, cut on the base of each of the lugs on the side of the seal.

Commentary: The shape was probably cast. The motif was engraved (see Krzyszkowska, AS 92 n. 34). X-ray diffraction analysis by Z. Stós-Gale, 1978: the proportions of Au and Ag and relatively small amount of Cu are near to those of Knossian gold foil and other Cretan gold foil analysed.

Comparanda: Material and shape: CMS II,2, No. 226. Material: CMS III,1 No. 234.

Bibliography: PM IV 665, fig. 654; Kenna, CS 107 no. 137, pl. 6, 31, 104; idem, Nestor 3, 1973, 829; Boardman, GGFR 390 = 408; Yule, ECS 88 (311 Petschafte, metal), 165 (Index: Whirls 9), 195; A. Golan, Myth and Symbol: Symbolism in Prehistoric Religions (1991) 209, fig. 309:8; Younger, Middle Phase 70, 147; Krzyszkowska, AS 92 n. 34; I. Pini, Creta Antica 6, 2005, 64 no. 22, 77 f., 82, pl. II:13-15.



138/1938.921

Chalcedony, light blue (cf. 146)

Figure seal. A crouching feline (?), with a tail.

The head is anthropoid, earless. Two rings are

engraved on the tail. Pierced lengthwise

L. 1.35, W. 1.1, Th. 0.9, Perf. 0.3

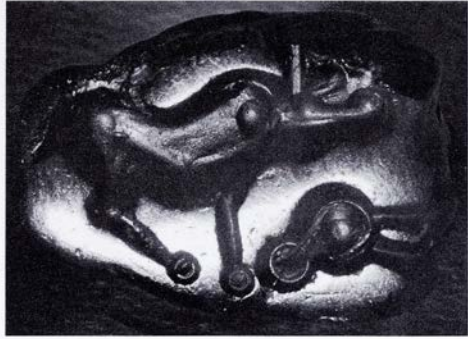
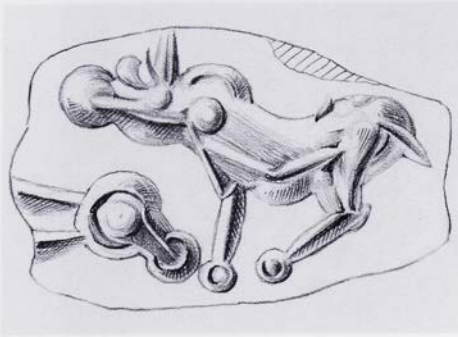
Condition good

Crete (Acc. Reg.).

The forepart of a cat with facing head, springing from a spiral. In the field a crescent, a flower joined to the cat's foreleg by a double line, its tail joined to its head by a treble line. A large blunt tubular drill for the cat's body.

Comparanda: Shape, animal with human head: cf. 9, CMS IV No. 28; V Suppl. 1A No. 221; recumbent quadruped cf. CMS III,1 Nos. 20, 21, where comparanda. Motif, flower: cf. CMS III,1 No. 19.

Bibliography: Kenna, CS 106 no. 129, pl. 6, 30 n. 3, 39 n. 5; idem, AA 1964, 916 n. 23, 930 n. 58; idem, Nestor 3, 1973, 829; E. Grumach, BullJ RylandsLib 46/2, 1964, 353 n. 4; Davis, Decipherment 155, fig. 98; Boardman, GGFR 35, 91, 98, 390 = 408, pl. 40, colour p. 39:2; Yule, ECS 97 f. (33j Quadrupeds, recumbent), 142 (Index: Petaloid and multiple loops 8), 143 (Index: Lilies 3), 175 (Index: Abstracted....motifs 15), 215 (Hieroglyphic Deposit Group); Walberg, Tradition and Innovation 32, fig. 37; Younger, Middle Phase 11, 39, 97, 122, 128, 134, 139, 144, 165 (Cat Masks, Button Mouths); H. Hughes-Brock in Karetsoy, Κρήτη — Αίγυπτος 122, fig. 8; Krzyszkowska, AS 12, 15 n. 32, 82 f., no. C14. On manufacture: Evelyn, Crafts 155.



139/1938.1101

Agate, pale with a light brown patch on each side (cf. 157)

Figure seal. A duck with its head folded back. Eyes and bill are carefully worked, the wings striated and crossed over the tail. Pierced across the body. An incipient lengthwise perf. at the neck

L. 1.5, W. of object 1.1, W. of face 0.9, Th. 1.1, Perf. 0.25–0.3, Wt. 2.08 gm

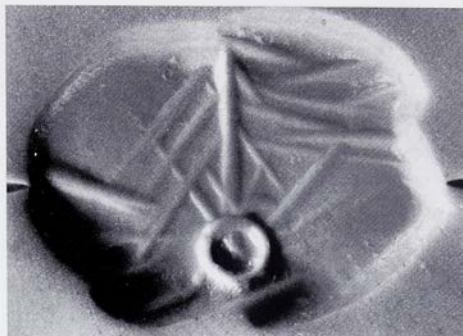
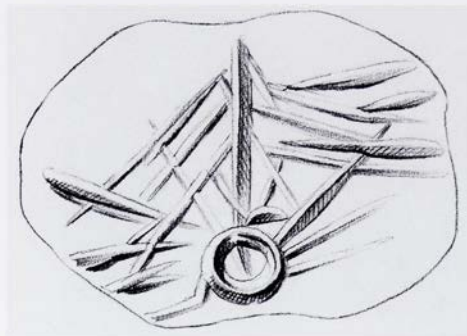
Condition good

East Crete. Acquired by Evans 1894.

A quadruped with short tail (probably not a bull, as Kenna); before it a horned head in profile, Olivier – Godart, CHIC sign no. 014.

Comparanda: Shape: see at 11. Style: cf. CMS III,1 Nos. 43, 181c, where comparanda. See further Introduction, p. 15.

Bibliography: Evans in G. F. Hill (ed.), *Corolla Numismatica: Essays in Honour of Barclay V. Head* (1906) 351 f. no. 29, fig. 6; Kenna, CS 106 no. 125, pl. 6, 30 n. 3; idem, AA 1964, 916 n. 23, 930 n. 58; idem, Nestor 3, 1973, 829; Boardman, GGFR 35, 91, 390 = 408, colour p. 39:3; Yule, ECS 94 f. (33e Birds [ducks?] regardant), 125 (Index: Bulls 9), 132 (Index: Schematic quadrupeds 16); (H. Matthäus in H. Lorenz [ed.], *Studien zur Bronzezeit: Festschrift für Wilhelm Albert v. Brunn* [1981] 294 n. 21); P. Yule, SMEA 26, 1987, 167, 176 ill. 1; Younger, Middle Phase 5, 98; Vanschoonwinkel, *Les animaux* 387 no. 206; J. Aruz in CMS Beih. 6, 2 n. 5; Brown – Bennett, *Travels* 434 f. no. 214; Phillips, *Aegyptiaca* no. 528. On manufacture: Evely, *Crafts* 155, pl. 37:2.



140/1938.1103

Cornelian, red

Figure seal. A duck with its head turned back. The webbed feet are marked. The wings are reduced to two small oval loops

L. 1.6, W. 1.05, Th. 0.9, Perf. 0.2 (lengthwise), Wt. 1.64 gm

Perf. slightly chipped at one end

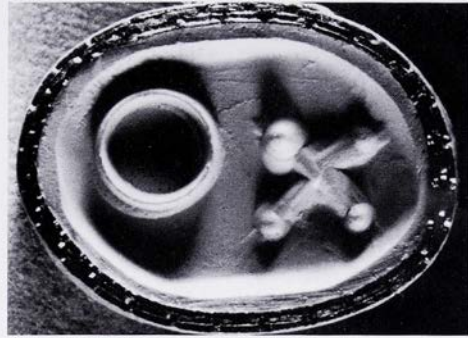
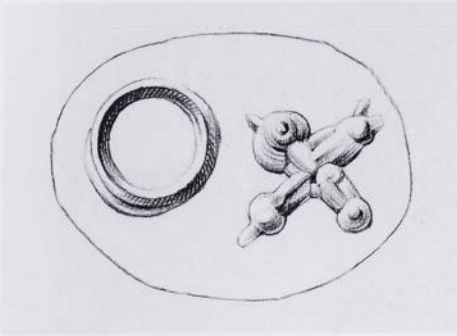
Found at Palaikastro [1] (Evans, BSA 8, 1901–02, 39). Acquired by Evans 1894.

A tubular drill hoop with radial lines and above it a 'mast' with triple stays and hatching at either side, the whole resembling a ship (otherwise perhaps an ill-planned bird or fish). Talismanic technique.

Commentary: Minoan engraving on a probably Egyptian object: cf. 142, 147.

Comparanda: Shape: see at 11.

Bibliography: Evans, BSA 8, 1901–02, 39, fig. 19; Evans in G. F. Hill (ed.), *Corolla Numismatica: Essays in Honour of Barclay V. Head* (1906) 352 no. 30, fig. 7; Kenna, CS 106 no. 128, pl. 6, 30 n. 3; idem, AA 1964, 916 n. 23, 930 n. 58; idem, Nestor 3, 1973, 829; Boardman, GGFR 35, 91, 390 = 408, colour p. 29:14; S. C. Humphreys, *Classical Philology* 72, 1977, 352 no. 3; P. Yule, AA 1977, 144 n. 5; Yule, ECS 29, 94 f. (33e Birds [ducks?] regardant); (H. Matthäus in H. Lorenz (ed.), *Studien zur Bronzezeit: Festschrift für Wilhelm Albert v. Brunn* [1981] 294 n. 21); P. Yule, SMEA 26, 1987, 167, 176 ill. 1; Younger, *Middle Phase* 90; J. Aruz in CMS Beih. 6, 2 n. 5; Wedde, *Ship Imagery* 348 no. 975; Brown – Bennett, *Travels* 434 f. no. 213; Phillips, *Aegyptiaca* no. 436. On manufacture: Evely, *Crafts* 155.



141/1938.920

Chalcedony, light blue

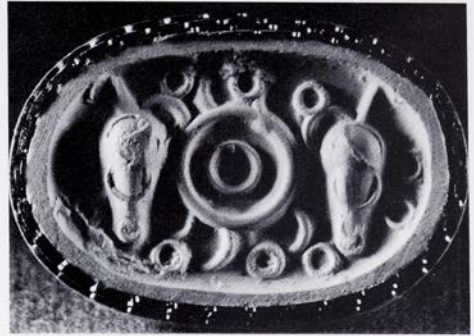
Figure seal. Axially intertwined foreparts of two animals with round muzzles and striated bodies

Face 1.2×0.8 , L. of object 1.6, W. of object 1.0, Th. 0.8, Perf. 0.3 (lengthwise)

Mirabello Eparchy (Evans, SM I 156). Acquired by Evans before 1909.

A hoop and a cross, Hieroglyphic signs.

Comparanda: Shape, material: CMS XI No. 230 to be added to Yule's examples (Yule, ECS 93 f.).*Bibliography:* Evans, SM I 139, fig. 81, 156 P32, pl. II; Stawell, CCS 100; Kenna, CS 106 f. no. 132, pl. 6, 30 n. 3; idem, AA 1964, 916 n. 23, 930 n. 58; idem, Nestor 3, 1973, 829; Davis, Decipherment 150, fig. 89; Boardman, GGFR 35, 91, 390 = 408, colour p. 39:1; Yule, ECS 93 f. (33b Animals, axially intertwined foreparts), 155 (Index: Croix pommetées 3), 215 (Hieroglyphic Deposit Group); Younger, Middle Phase 54, 113; Olivier - Godart, CHIC no. 198. On manufacture: Evelyn, Crafts 155.



142/1938.789

Amethyst, very pale

Scarab. The head is marked and the legs rendered by horizontal cuts

L. 1.5, W. 1.0, Th. 0.8, Perf. 0.25 (lengthwise)

Condition good; body slightly worn, face fresher

Psychró Cave [28], found in 1897 (Evans, SM I 136).

Commentary: Minoan engraving on a Middle Kingdom Egyptian scarab, which perhaps had arrived blank and mounted as jewellery. Cf. 147, 140; CMS I No. 118; V Suppl. 3,2 No. 245; VII No. 39, originally? J. Phillips in *Sesto Congresso Internazionale di Egittologia, Atti I* (1992), 497–502; I. Pini, CMS V Suppl. 3,2, p. 5.

Double concentric hoop (tubular drill) with three hooks attached below the outer hoop. At either side a spouted jug. In the field ten small hoops.



Comparanda: On style, Yule's attribution to Malia Workshop Subgroup, see J.-C. Poursat – E. Papatsaroucha in CMS Beih. 6, 264 f. Material: O. Krzyszkowska in Bradfer-Burdet et al., Κρής Τεχνίτης 119–129. Seals from sanctuaries: Younger, Phylakopi Seals 294 f. Egyptian objects in sanctuaries: Jones, Peak Sanctuaries 27 n. 29.

Bibliography: Evans, SM I 135–7, fig. 79, 151 P9, 221 pl. I; PM I 199, fig. 147; PM Index 166; Kavvadias, PA 731 f., fig. 708; G. Karo, AM 35, 1910, 179; Hall, Civilization 92 f., fig. 107; Matz, Siegel 22 f., K267; (Glotz, Civilisation 391); (F. H. Stubbings in CAH I³, 243); J. D. S. Pendlebury, Aegyptiaca (1930) 13, no. 14; Pendlebury, AC 119, fig. 19:5, 144; Stawell, CCS 97; P. Demargne, Crète, Egypte, Asie (1938) 62 n. 4; Nilsson, MMR² 414 n. 63; Boardman, CCO 68 f. no. 285, pl. XXIV; Kenna, CS 106 no. 126, pl. 6, 30 n. 3, fig. 47, 73 n. 7; idem, AA 1964, 916 n. 23, 930 n. 58; (idem, BICS 13, 1966, 74 n. 9); idem in Brice, Europa 174, 179; idem, Nestor 3, 1973, 929; Hutchinson, PC 136; Faure, Fonctions 152 f.; E. Grumach, BullJRYlandsLib 46/2, 1964, 347, 368; (E. Grumach – J. Sakellarakis, Kadmos 5, 1966, 111); E. Grumach, Kadmos 6, 1967, 7; (idem in U. Hausmann [ed.], Allgemeine Grundlagen der Archäologie [1969] 238); Higgins, MinMycArt 51, fig. 48; Davis, Decipherment 134, fig. 73; Boardman, GGFR 390 = 408, 398 = 416; Hood, Minoans 108, fig. 86; (Hood, APG 215, fig. 213F); Yule, ECS 79 (29b Scarabs, hard stone), 167 (Index: Vessels 2), 204 n. 71, 213 (Malia Workshop Subgroup), 223 n. 27, pl. 39:46; P. Yule, BSA 78, 1983, 365 f., fig. 36; H. Hughes-Brock, Classical Review 97, N.S. 33, 1983, 89; Goodison, DWS 46, 51, fig. 90; Lambrou-Phillipson, Hellenorientalia 54, 252 no. 182, pl. 50; J. Phillips in S. Schoske (ed.), Akten des IV. Internationalen Ägyptologenkongresses, IV (1991) 322 f. nn. 17, 21, 22, 326 nn. 37, 39; eadem in Sesto Congresso Internazionale di Egittologia, Atti I (1992) 497; Younger, Middle Phase 54, 58, 63, 101, 109, 113, 140 f.; H. Hughes-Brock in Karetsoy, Κρήτη – Αίγυπτος 120, 125, fig. 1; (I. Pini *ibid.* 112 n. 4); Jones, Peak Sanctuaries 27 n. 29; (Wang Yixin 256, fig. 200b); J. Phillips in Bietak – Czerny, Scarabs 166 f., fig. 6; Phillips, Aegyptiaca no. 502; Krzyszkowska, AS 82 n. 13; eadem in Bradfer-Burdet et al., Κρής Τεχνίτης 122, 125–7, no. 1; Moss, Minoan Pantheon 136 f. On manufacture: Evely, Crafts 155.



143/1938.922

Agate, mostly white, but brown at the apex

Figure seal in trochus-shell shape

Ø 1.2–1.1, H. 0.1, Perf. 0.2

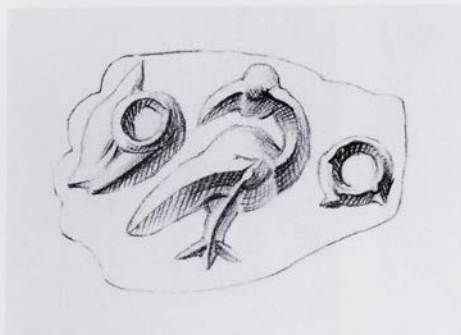
Edge chipped away along about one quarter of the circumference

'Pediada' (Kenna, CS at no. 136, citing an old impression). 'Trochus bead cornelian M.M. II' with sketch, bracketed as 'Seager' with 126 and so probably obtained likewise by exchange (Evans notebook '1922 Crete'; see Introduction pp. 7 f).

Bibliography: Kenna, CS 107 no. 136, pl. 6, 30 n. 3, 31; idem, AA 1964, 916 n. 23, 930 n. 58; idem, Nestor 3, 1973, 929; O. Pelon, BCH 89, 1965, 8 n. 1; Boardman, GGFR 35, 91, 390 = 408, colour p. 29:11; Yule, ECS 29, 98 f. (33k Snail and Mollusk Shells), 161 (Index: S-hooks and S-spirals 16), 162 (Index: Zweipässe 6); Younger, Middle Phase 72, 122, 161 (S-spirals 1); H. Hughes-Brock in CMS Beih. 5, 114; Vanschoonwinkel, Les animaux 403 no. 503. On manufacture: Evely, Crafts 155.

An S spiral with striated centre piece and two stalked trefoils attached.

Comparanda: Motif: cf. CMS III,1 No. 110.



144/1938.1144

Cornelian, red-brown; paler at the wrist; almost black patches

Figure seal. A clenched fist, a bracelet on the wrist. Pierced across the wrist

L. 1.2, W. 0.8, Th. 0.65, Perf. 0.17

Condition good

Crete (Acc. Reg.).



A bird (duck?) with head turned back. Behind it, a hoop with two cuts, like an animal head. The hoop before it is perhaps to be taken with the bracelet of the seal back, and represents a gem or jewel.

Commentary: The shape is unique and the rendering of the bird unusual.

Comparanda: Composition: cf. CMS II,5 No. 308; XI No. 12a. On style, Yule's attribution to Malia Workshop Subgroup, see J.-C. Poursat – E. Papatsaroucha in CMS Beih. 6, 264 f.

Bibliography: Kenna, CS 106 no. 127, pl. 6, p. 30 n. 3; idem, AA 1964, 916 n. 23, 930 n. 58; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 14); Boardman, GGFR 35, 91, colour p. 29:13; Yule, ECS 96 f. (33h Human derivative shapes), 133 (Index: Birds 2), 202 n. 21, 213 (Malia Workshop Subgroup); P. Yule, BSA 78, 1983, 365 n. 17; G. de Pierpont in Kolloquium Mannheim 54 n. 32; Younger, Middle Phase 28, 140; Ruuskanen, Birds no. A2.1, pp. 18, 41, 50 f., 53, pl. 4; Vanschoonwinkel, Les animaux 381 no. 75. On manufacture: Evely, Crafts 155.



145/1910.236

Chalcedony with white and grey veins. Appears unnaturally whitened

Scaraboid with a twist cut on the back in the form of a double groove (foliate back)

L. 1.3, W. 1.2, Th. 0.8, Perf. 0.25–0.27

Condition good

Gortyn [43], acquired by Evans 1896.

Cat's head, a 'fleur de lys' springing from the top of it; Hieroglyphic signs.

Comparanda: Cat's head see at 100. Style: E. Thomas in CMS Beih. 6, 307 n. 8.

Bibliography: Evans, AJA 11, 1896, 451; idem, JHS 17, 1897, 341, fig. 9; Evans, SM I 140, fig. 83, 156 P34, pl. II, 209, 264; PM I 277, fig. 207 f., 673, fig. 492a; PM IV

526; R. Zahn, AA 1901, 23; Matz, Siegel 18 f., K195; Stawell, CCS 100; D. Isaac, RevHistRels 118, 1938, 62; D. Levi, ASAtene 19–20, 1957–58, 105 f.; Kenna, CS 108 no. 141, pl. 6, 39; idem, Kadmos 1, 1962, 8; idem, Talismanic pl. 6:1; idem, Nestor 3, 1973, 829; (E. Grumach, Kadmos 2, 1963, 10); idem, BullJ RylandsLib 46/2, 1964, 356, 363, 377, 381, fig. 5:1a; (idem, Kadmos 6, 1967, 6, 12 n. 17); Davis, Decipherment 142, fig. 81; Boardman, GGFR 35, 98, 390 = 408, pl. 33; W. Schiering, Gnomon 44, 1972, 485; Yule, ECS 143 (Index: Lilies 3), 175 (Index: Abstracted...motifs 12), 202 n. 15, 215 (Hieroglyphic Deposit Group); (P. Yule, BSA 78, 1983, 360 n. 3); Onassoglou, DtS 49–51, fig. 1a; Younger in Transition 56, pl. X:33; Younger, Middle Phase 54, 110 f., 115, 164 f. (Cat Masks, Bewhiskered); Olivier – Godart, CHIC no. 196; J. G. Younger, Minos 31–32, 1996–97, 397; E. Thomas in CMS Beih. 6, 307 n. 8; Brown – Bennett, Travels 444 f. no. 258. On manufacture: Evelyn, Crafts 155.



146/1938.925

Chalcedony, light blue (cf. 138)

Scaraboid with a twist cut on the back in the form of a narrow outlined groove (foliate back)

L. 1.2, W. 1.1, Th. 0.7, Perf. 0.27

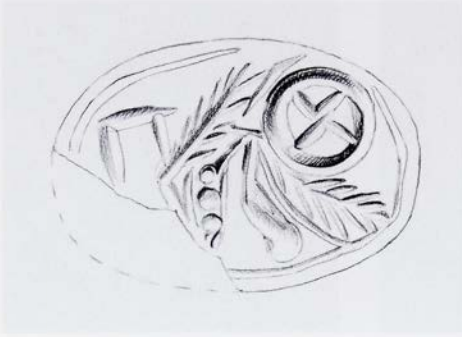
Condition good

Eastern Crete. Praisos district? [9] (Evans, JHS 14, 1894, 276). Acquired by Evans 1894.

Hieroglyphic signs.

Bibliography: Evans, JHS 14, 1894, 276, 288, fig. 21, 298, fig. 38; Evans, SM I 140, fig. 82a, b, 156 P33, pl. II; PM

I 274–77 figs. 204e, 207d; F. M. Stawell, AJA 28, 1924, 133, 135, pl. 6 P33; Stawell, CCS 29, 33, 100, fig. 3; Matz, Siegel 18 f., pl. XIV:3a, K193; L. Deroy, Minos 3, 1954, 20 f., fig. 1; E. Grumach in Minoica 164, 169 f., pl. 2; (idem, Kadmos 6, 1967, 11); Kenna, CS 108 no. 140, pl. 6, 39 n. 5, 74, fig. 152; idem, Kadmos 1, 1962, 8; idem, Nestor 3, 1973, 829; W. Deonna, Le Symbolisme de l'oeil (1965) 101 n. 5; (J. J. Reich, JHS 86, 1966, 162); Boardman, GGFR 390 = 408; P. Meriggi, Kadmos 12, 1973, 123, pl. IV; P. Yule, AA 1977, 143, fig. 4; Yule, ECS 56 (13c Foliate Backs, hard stone), 172 (Index: Miscellaneous motifs 8), 215 (Hieroglyphic Deposit Group); Younger, Middle Phase 54, 105, 115–7, 137; Olivier – Godart, CHIC no. 194; Brown – Bennett, Travels 434 f. no. 211. On manufacture: Evelyn, Crafts 155, 158, pl. 36:6.



147/1938.926

Amethyst, pale with cloudy (opaque) patches
Scaraboid with a twist cut on the back in the
form of a deep groove outlined by a broad
double ridge (foliate back)

L. 1.5, W. 1.1, Th. 0.8, Perf. 0.15

One corner broken off

'Messara' (Kenna, CS at no. 133, not citing
source).

A tubular drill hoop with a cross in it and a branch
above. Opposite is an angular hook and an inverted
branch. Between them a bent line and row of dots.

Commentary: Minoan engraving on a probably Egyptian
object: cf. 142, also 140.

Comparanda: Motif: Goodison, DWS 75 f. Material; O.
Krzyszowska in Bradfer-Burdet et al., *Κρής Τεχνίτης*
119–129.

Bibliography: Kenna, CS 107 no. 133, pl. 6, 30 n. 3, 39 n.
5; idem, AA 1964, 916 n. 23, 930 n. 58; idem, Nestor 3,
1973, 829; Boardman, GGFR 390 = 408; Yule, ECS
143 (Index: Branches 3), 204 n. 71, 215 (Hieroglyphic
Deposit Group); P. Yule, Antike Welt 16/2, 1985, 52,
fig. 4; Goodison, DWS 76, fig. 135a; (E. Thomas in
CMS Beih. 3, 282 n. 31); Younger, Middle Phase 54,
109, 112 f.; Krzyszowska, AS 82 f. no. C12; eadem in
Bradfer-Burdet et al., *Κρής Τεχνίτης* 122, 125–7, pl.
XXVIa, no. 2. On manufacture: Evely, Crafts 155.



148/1938.918

Cornelian

Scaraboid with a twist cut on the back in the form of an outlined groove (foliate back)

Ø 0.8–0.72, Th. 0.4, Perf. 0.16

Small chips on face and back

Crete (Acc. Reg.).

An owl with facing head perched on rocks indicated by two or more drilled blobs. Two large curling crests at either side of the owl's head.

Comparanda: Subject, owl: see at 130; crests cf. 130.

Bibliography: Evans, SM I 156 P35, pl. II; Matz, Siegel 18 f., K196; Stawell, CCS 100; Kenna, CS 107 no. 135, pl. 6, 30 n. 3, 39 n. 5; idem, AA 1964, 916 n. 23, 930 n. 58; idem, Nestor 3, 1973, 829; Davis, Decipherment 152, fig. 94; Boardman, GGFR 390 = 408; Yule, ECS 56 (13c Foliate Backs, hard stone), 133 (Index: Birds 10), 215 (Hieroglyphic Deposit Group); Onassoglou, DtS 108 n. 633, 144 n. 836; Younger, Middle Phase 29, 127, 150 (Horned Owls); Ruuskanen, Birds no. C1.3, pp. 28, 42, 50f., 58, pl. 13 ('horned' owl); Vanschoonwinkel, Les animaux 380 no. 60. On manufacture: Evely, Crafts 155.



149/1938.923

Agate, mostly white mottled with light yellow-brown, with bands and marking; colour visible in hollows of engraving and inside the perf.

Scaraboid with a twist cut on the back in the form of a deep groove outlined by a double ridge (foliate back)

L. 1.5, W. 1.1, Th. 0.75, Perf. 0.3

Condition good

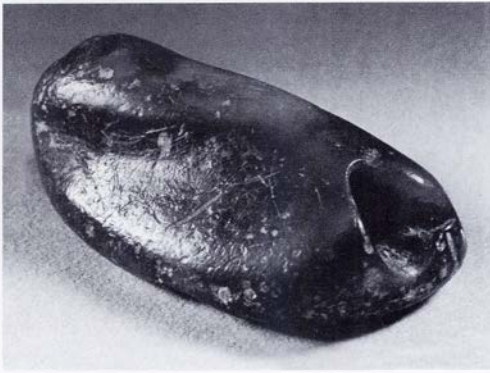
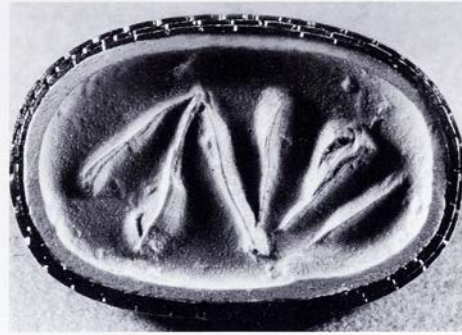
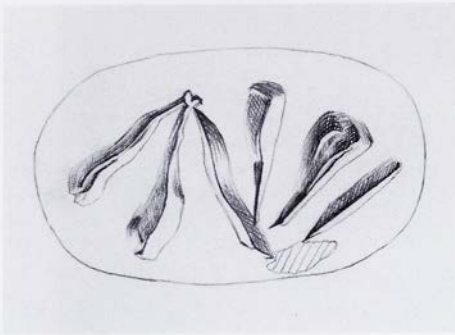
Crete (Acc. Reg.).

Two hoops with dots in their centres; from each hoop spring a large and a small bud. The ends of the large buds and the adjacent hoops are outlined.

Commentary: Drill scars on the body suggest that the stone was re-designed after an earlier, abandoned start. 'Blotchy' mottled appearance somewhat like that of 327 (?? artificial, due to treatment, as suggested by P. Yule, *Kadmos* 16, 1977, 63).

Comparanda: Style: E. Thomas in *CMS Beih.* 6, 307 n. 8.

Bibliography: Kenna, *CS* 106 no. 131, pl. 6, 30 n. 3; idem, *AA* 1964, 916 n. 23, 930 n. 58; idem, *Nestor* 3, 1973, 829; Davis, *Decipherment* 172, fig. 121; Boardman, *GGFR* 35, 91, 98, 390 = 408, pl. 35; colour p. 29:12; P. Yule, *Kadmos* 16, 1977, 63 n. 29; Yule, *ECS* 142 (Index: Petaloid and multiple loops 11), 215 (Hieroglyphic Deposit Group), 223 n. 39; P. Yule, *BSA* 78, 1983, 360 n. 3; Younger, *Middle Phase* 70, 141, 161 (J-Spirals); E. Thomas in *CMS Beih.* 6, 307 n. 8. On manufacture: Evely, *Crafts* 155, pl. 36:2.



150/1938.783

Steatite, light grey-green

Scaraboid with a twist cut on the back in the form of a broad rounded ridge (foliate back)

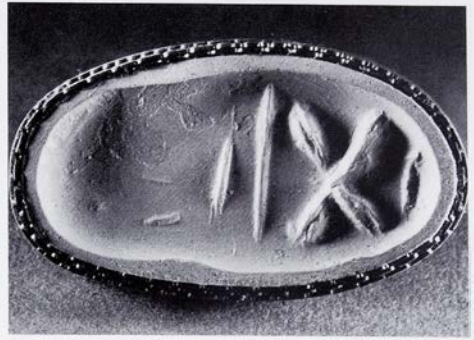
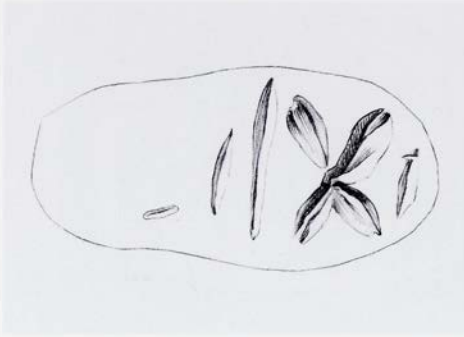
L. 1.9, W. 1.1, H. 0.63, Perf. 0.2

Somewhat scratched and battered. Perf. worn far in

?Crete (Acc. Reg).

A Z with buds in each arm. An oblique line at one side.

Bibliography: Kenna, CS 108 no. 143, pl. 6, 37 n. 1 (a misprint); idem, Nestor 3, 1973, 829; O. Pelon, BCH 89, 1965, n. 1; Yule, ECS 55 f. (13b Foliate Backs, soft stone), 165 (Index: Z-whirls 3).



151/1925.58

Steatite, dark grey

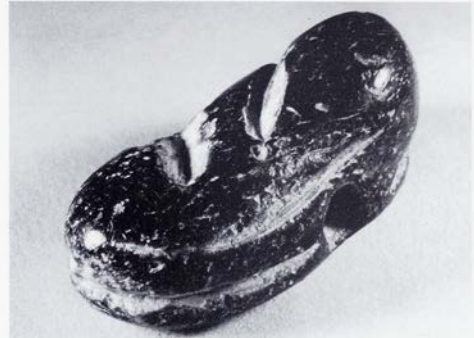
Long oval stamp. Two oblique grooves on the back. Pierced across the narrow axis

Face 2.2×1.5 , L. of object 2.5, W. of object 1.2, H. 1.0 max. Perf. 0.3

Surface somewhat worn

Procured in Athens by A. M. Woodward.

Bought from him.



A quatrefoil at one end; two crosswise lines at the centre. The other half of the face is blank, either unfinished or worn away.

Commentary: Face somewhat puzzling, crosswise perf. unexpected. See Introduction, p. 15.

Comparanda: Shape and perf.: cf. CMS II,2 No. 84.

Bibliography: Kenna, CS 108 no. 144, pl. 6; idem, Nestor 3, 1973, 829; I. Pini in CMS Beih. 1, 157 n. 107; Yule, ECS 103 (34bb Amorphous), 110 n. 112, 141 (Index: Leaves 15); P. Yule, BSA 78, 1983, 363 n. 12; Younger, Middle Phase 48, 113. On manufacture: Evely, Crafts 155.



152/1941.136

Serpentine, green

Discoid with convex faces

Ø 1.5, Th. 0.2–0.68, Perf. 0.32, 0.25–0.3

Slightly worn. Small chip at top edge of face

'[I] Procured....from Knōsos' [37] (probably means Evans bought it in Herakleion [39], with alleged prov.) 1896.

A recumbent wild goat. Cross-hatched exergue.

Bibliography: Kenna, CS 116 no. 190, pl. 8, 41 n. 3; idem, Nestor 3, 1973, 829; N. Marinatos, MSR 16; Younger, Iconography 50, 320; Younger, Middle Phase 12, 127, 162 (Couchant Agrimia I b, Developed); Vanschoonwinkel, Les animaux 390 no. 227; (E. Chrysikopoulou, AEphem 138, 1999, 138 n. 63); Brown – Bennett, Travels 248 f., 458 f. no. 320.



153/1938.943

Rock crystal

Discoid with convex faces; perf. horizontal

Ø 1.8, Th. 0.4–0.7, Perf. 0.25

Slightly damaged on both faces

Found at Sphaka in Siteia Eparchy (PM IV 523). Which Sphaka? [14a?, 14b?, n14c?] See

Introduction, p. 11.

a) A boar. Tusks and feet are carefully marked. Tail swings across the rump. Line border.

b) A dog springs onto the back of a recumbent wild goat, biting the base of its horns.

Comparanda: Side a: cf. CMS II,6 No. 232; MOPS, Tonplomben no. 65 (pig). Side b: cf. 154. Subject and composition, b: cf. CMS III,1 No. 179a; E. Chrysikopoulou, *AEphem* 138, 1999, 138 n. 68 (hunting scene, comparing CMS VII No. 35b). Hound attacking from above: cf. 375, 402. Style: E. Thomas in CMS Beih. 6, 307.

Bibliography: PM I 274, fig. 204a–c; PM IV 523 f., fig. 470; Matz, *Siegel* 14 f., pl. XIV:1a–c, K137; (idem, *Historia* 1, 1950, 181 n. 82); H. J. Kantor, *AJA* 51, 1947, 67 n. 56; Biesantz, *KMS* 61; (D. Levi, *AEphem* 1953–54 part 3, 51 n. 1); idem, *ASAtene* 19–20, 1957–58, 114; (A. Xenaki-Sakellariou, *BCH* 77, 1953, 57 n. 4); (Sakellariou, *CollGiam* 8); Kenna, *CS* 103 f. no. 113, pl. 5, 36, 73, fig. 150; (idem, *AAA* 4, 1971, 129, fig. 2:12); idem, *Nestor* 3, 1973, 829; Boardman, *GGFR* 34, 98, 389 = 407, pl. 19; Buchholz et al., *ArchHom J*, 57, 60 no. 21; Yule, *ECS* 27, 51 (11b Discoids, hard stone), 219 (Drilled Lions Group); G. Walberg in *CMS Beih.* 1, 248 n. 17; Onassoglou, *DtS* 132 n. 773; *Bakermat* 9, 34 no. 95; E. Chrysikopoulou, *AEphem* 138, 1999, 138 n. 68; Younger, *Middle Phase* 8, 15, 131, 149 (Palaikastro Cat?), 176 (Speared Deer); E. Thomas in *CMS Beih.* 6, 307 n. 9. On manufacture: Evely, *Crafts* 156; I. Pini, *Creta Antica* 6, 2005, 77 n. 13.

a) Yule, *ECS* 127 (Index: Boars 5).

b) Yule, *ECS* 123 (Index: Goats 28), 130 (Index: Dogs and/or wolves 11), pl. 40:56; Vanschoonwinkel, *Les animaux* 391 no. 242.



154/AE 1770

Serpentine, black

Discoid with convex faces

Ø 1.4, Th. 0.45–0.7, Perf. 0.2

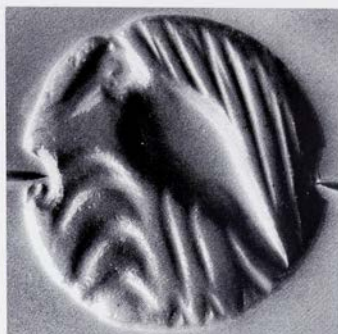
Face slightly worn

?Crete (Acc. Reg.).

A recumbent wild goat.

Comparanda: Motif: cf. **153b**. Subject, agrimi: E. Chrysikopoulou, *AEphem* 138, 1999, 129–141. Style: E. Thomas in *CMS Beih.* 6, 307.

Bibliography: Kenna, *CS* 101 no. 94, pl. 5; idem *Nestor* 3, 1973, 829; Boardman, *GGFR* 389 = 407; Yule, *ECS* 50 (10c Discs, miscellaneous); Younger, *Middle Phase* 12, 162 (*Couchant Agrimia*); (E. Chrysikopoulou, *AEphem* 138, 1999, 138 n. 63); E. Thomas in *CMS Beih.* 6, 307 n. 9; J. Younger, *ibid.* 349 n. 13 (*haematite*). On manufacture: Evelyn, *Crafts* 156.



155/1941.149

Rock crystal

Discoid with slightly convex faces; perf. horizontal

Ø 1.3, Th. 0.3–0.4, Perf. 0.2

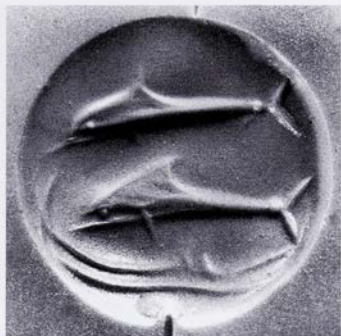
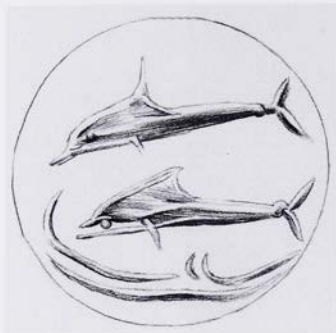
Slightly chipped at perf.

?Crete (Acc. Reg).

A bird, perhaps standing in reeds, some of which are wilting.

Commentary: Both iconography and style seem unusual for BA Crete. Likewise the perf., which is horizontal if the bird is understood as standing.

Bibliography: Kenna, CS 103 no. 111, pl. 5; (idem, *Kadmos* 3, 1964, 53); (idem, *OpAth* 8, 1968, 27, fig. 2); idem, *Nestor* 3, 1973, 829; Younger, *Middle Phase* 28, 134, 139, 150 (Birds); Ruuskanen, *Birds* no. F2.2, pp. 37 f., 51, 61 f., pl. 19 (unspecified middle-sized or small bird with long bill and legs). On manufacture: Evely, *Crafts* 156.



156/1941.91

Jasper, green

Discoid with convex faces

Ø 1.6, Th. 0.4 at edge, 0.8 max. pres., Perf. 0.3

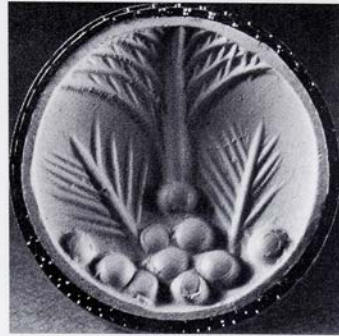
Most of back missing, exposing the perf. along half its length

Crete, etc. (Acc. Reg.). See Introduction, p. 11 n. 22.

Two dolphins swimming over rocks indicated by a pair of slightly undulating lines.

Comparanda: Style: E. Thomas in CMS Beih. 6, 307.

Bibliography: Kenna, CS 116 no. 191, pl. 8; idem, Nestor 3, 1973, 829; J. H. Betts, AJA 72, 1968, 150 n. 13; Boardman, GGFR 34, 98, 389 = 407, pl. 18; Buchholz et al., ArchHom J, 150 n. 35; Yule, ECS 51 (11b Discoids, hard stone), 136 (Index: Fish 8); Czernohaus, Delphindarstellungen cat. no. 17, p. 16, pl. XV:3; Younger, Iconography 207, 260, 318, 326; idem in Transition 57, pl. XIIIj; Younger, Middle Phase 33, 132, 169 (Marine Schools, Thick Dorsal Fins); Vanschoonwinkel, Les animaux 396 no. 344; E. Thomas in CMS Beih. 6, 307 n. 9; Brown - Bennett, Travels 140 f., 422 f., no. 139 (erroneous.)



157/1938.942

Agate, very pale, translucent, with a light brown patch along left edge (cf. 139)

Discoid with convex faces; perf. diagonal

Ø 1.7, Th. 0.32–0.9, Perf. 0.2

Condition good

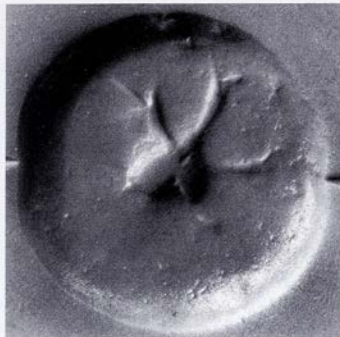
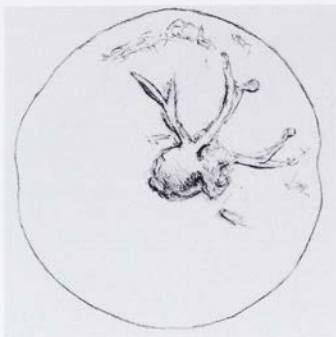
Central Crete (PM II 494).

A palm tree and two sprays spring from rocks, which are indicated by ten blobs.

Comparanda: Motif, palm tree: cf. CMS I Nos. 343, 375; XII No. 180 (Talismanic); Sakellariou, *CollGiam* 55 at no. 348; J. L. Benson, Report of the Department of Antiquities, Cyprus 1983, 172–4, pl. XXVI:3. Motif, rocks and branch: cf. 129. Style: E. Thomas in CMS *Beih.* 6, 307 n. 8.

Bibliography: PM I 275, fig. 204d; PM II 494, fig. 299; Matz, *Siegel* 14 f., 123, pl. XIV:2, K138; M. Möbius, *JdI* 48, 1933, 16, fig. 9K; J. Chittenden, *Hesperia* 16, 1947, 107, pl. XVc; (F. Matz, *Historia* 1, 1950, 181 n. 82);

Kenna, CS 103 no. 112, pl. 5, 29 n. 6, 36; idem, *Nestor* 3, 1973, 829; J. H. Betts, *AJA* 72, 1968, 150; Boardman, *GGFR* 34, 98, 389 = 407, pl. 16; Hood, *Minoans* 86, fig. 47; (Sakellariou, *CollGiam* 55); (eadem, MS 33 n. 153); eadem, *AJA* 76, 1972, 449; P. Yule, *AA* 1977, 142, n. 2; Yule, *ECS* 52 (11c Lenticular Discoids), 143 (Index: Branches 3), 215 (Hieroglyphic Deposit Group); A. Tamvaki, *BSA* 69, 1974, 261 n. 25; T. F. Potts in A. Hadidi (ed.), *Studies in the History and Archaeology of Jordan III* (1987) 70 n. 90; Rutkowski, *Cult Places* 1972, 203 n. 50; Rutkowski, *Cult Places* 1986, 248 n. 50; Onassoglou, *DtS* 168 n. 948; C. Davaras, *AEPphem* 1986, 37 n. 156; (S. Hiller in Hägg – Marinatos, *Function of the Minoan Palaces* 61 f., fig. 8a); Goodison, *DWS* 44, 99, fig. 81a; Younger, *Middle Phase* 121, 127, 163 (Palms); E. Thomas in CMS *Beih.* 6, 307 n. 8; C. Davaras in J. S. Soles – C. Davaras et al., *Mochlos IC: Period III – Neopalatial Settlement* (2004) 11, pl. 1B; Krzyszkowska, *AS* 12, 82, 85, 90, no. 148 = C15. On manufacture: Evely, *Crafts* 155 f., pl. 38:6.



158/1938.264

Steatite, olive green

Disc

Ø 1.53, Th. 0.8, Perf. 0.37

Slightly worn on face and edge

'Crete' (Acc. Reg.).

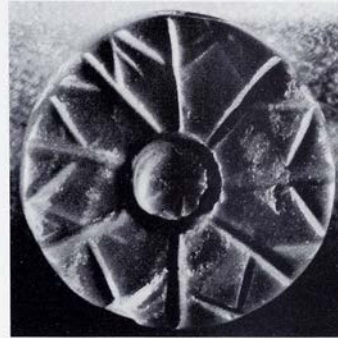
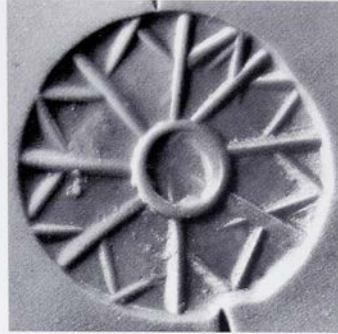
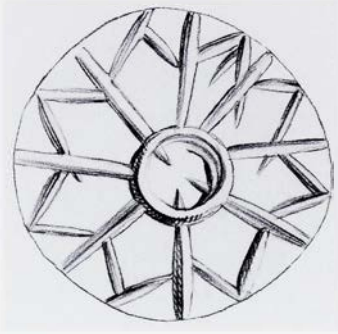
a) Perhaps a beetle with two long curved front legs and either horns or a pair of shorter forelegs.

b) Perhaps a spider with roundish body and four legs (of which three are forked).

Commentary: Rudimentary simple work not creating clearly recognisable motifs. An apprentice piece? Cf. CMS II,2 No. 115.

Comparanda: For central motif not occupying much of the field cf. CMS II,2 No. 82.

Bibliography: H. Hughes-Brock in CMS Beih. 6, 112 f., fig. 3a-b.



159/AE 1772

Jasper, bluish-green with some cream-coloured veins (cf. 219, 234)

Discoid with convex faces

Ø 1.15, Th. 0.4–0.6, Perf. 0.25

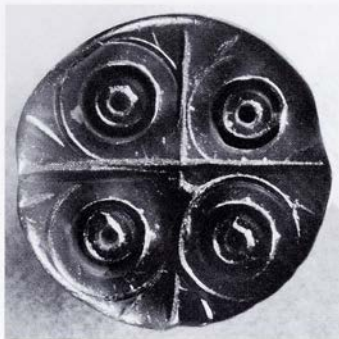
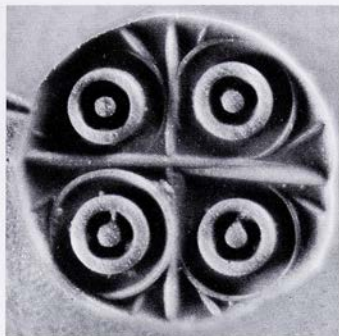
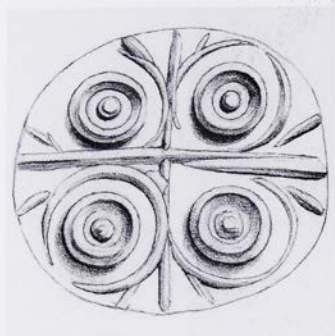
Condition good

?Crete (Acc. Reg.).

An eight-spoked wheel with angle stays. Tubular drill hoop at the centre.

Comparanda: Cf. CMS II,2 No. 15; (less close) I No. 433; XI No. 326.

Bibliography: Kenna, CS 103 no. 108, pl. 5; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 14); P. Yule, AA 1977, 142, n. 2; Yule, ECS 51 (11b Discoids, hard stone), 149 (Index: Centrally Radiating Motifs 11); J. Phillips in Akten des IV. Internationalen Ägyptologenkongresses (1991) 323 n. 22; Younger, Middle Phase 80, 140, 145, 154 (Stars, 4 + Points).



160/AE 1769

Steatite, dark olive green

Discoid with slightly convex back

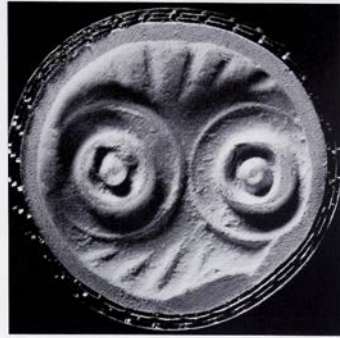
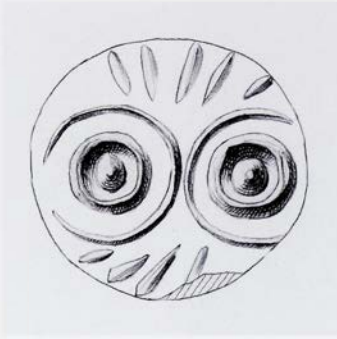
Ø 1.6, Th. 0.3–0.5, Perf. 0.3

Condition good

?Crete (Acc. Reg.).

Quartered with notches beside the ends of each arm. Double concentric hoops (tubular drill) with centre dots in each quarter.

Bibliography: Kenna, CS 101 no. 93, pl. 5, 73 n. 5; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 14); Boardman, GGFR 389 = 407; Yule, ECS 57 f. (14b Gables, soft stone). On manufacture: Evely, Crafts 156.



161/1941.106

Serpentine, grey

Discoid with slightly convex faces

Ø 1.4, Th. 0.4–0.6, Perf. 0.35

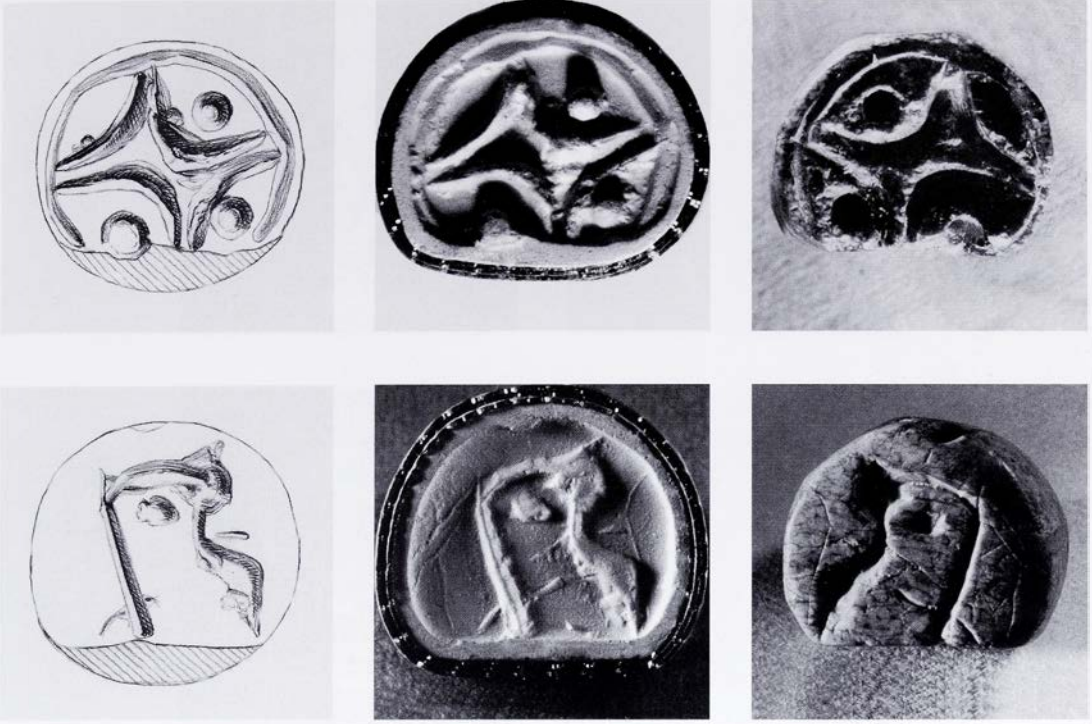
Slightly worn

Crete, etc. (Acc. Reg.).

Two double concentric hoops (tubular drill) with centre dots. Hatching at either side.

Comparanda: Shape and motif cf. CMS II,2 No. 51. Composition; cf. CMS III,1 No. 118.

Bibliography: Kenna, CS 100 no. 90, pl. 5, 73 n. 5; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 13 f.); (Boardman, JHS 88, 1968, 5 n. 12); Boardman, GGFR 389 = 407; A. Choremis, AEphem 1973, 58 n. 5; Yule, ECS 50 (10c Discs miscellaneous). On manufacture: Evely, Crafts 156.



162/1941.1210

Serpentine. Side a dark (blackish and olive green), side b cream-coloured with fine dark green and brown veins

Disc

Ø 1.25, Th. 0.5, Perf. 0.2

About one fifth missing

Knossos [37] (from the site: Evans, JHS 14, 1894, 285).

a) A hoop quartered by four crescents; a blob in three of the quarters.

b) Device somewhat resembling the profile head and neck of a bird, but not a Minoan bird, depicted in outline only. Later?

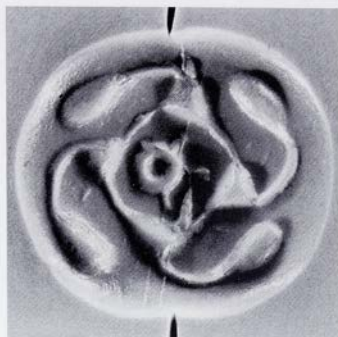
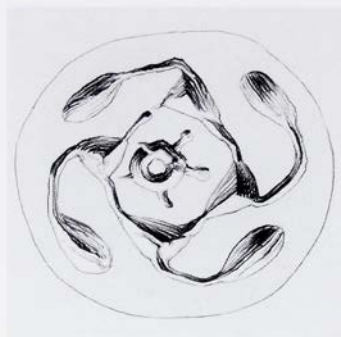
Commentary: Side b remains puzzling. Perhaps Archaic: cf. Boardman, IG 83 f. no. 360, pl. XIII (= Evans, JHS 14, 1894, 285 f., fig. 19).

Comparanda: Motif, a: cf. CMS II,2 No. 292c (close).

Bibliography: Kenna, CS 100 no. 91, pl. 5, 29 n. 6, 35 n. 1; idem, Nestor 3, 1973, 829; idem, Kadmos 17, 1978, 87; Boardman, GGFR 389 = 407; P. Yule, AA 1977, 143, fig. 1; Yule, ECS 49 (10b Bordered discs), 202 n. 31; P. Yule, BSA 78, 1983, 363 n. 12; H. Hughes-Brock in CMS Beih. 3, 80, 86 f.; J. Phillips in Akten des IV. Internationalen Ägyptologenkongresses (1991) 323 n. 22.

a) Yule, ECS 222 n. 15.

b) Evans, JHS 14, 1894, 285 f., fig. 15; Yule, ECS 132 (Index: Schematic quadrupeds 10), 178 n. 41; H. Hughes-Brock, Classical Review 97, N.S. 33, 1983, 88.



163/1938.950

Steatite-like soft stone (Mohs 2?) of marble-like structure, light grey. A red substance is present in the hollows of the engraving.

Discoid with convex faces

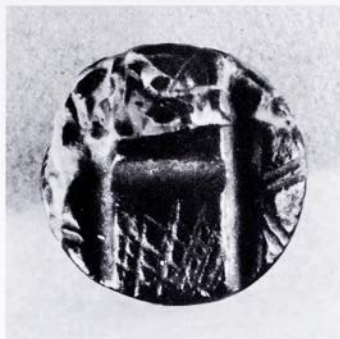
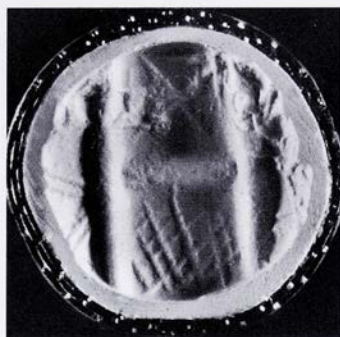
Ø along perf. 1.7, Ø across perf. 1.95, Th. 0.7, Perf. 0.25

Thin crack (or brown vein?) across the face

'A quite recent find in the Gortyna district' [43] (PM IV 489).

A whorl of four buds springing from a square with a rayed hoop at the centre.

Bibliography: PM IV 489, fig. 419; PM Index 166 at 'abnormal lentoid bead'; Kenna, CS 117 no. 196, pl. 8; idem, Nestor 3, 1973, 829; Yule, ECS 63 (19a, Lentoids, soft stone), 164 (Index: Vierpässe 8); Walberg, Tradition and Innovation 51; Younger, Middle Phase 92, 140; K. Nikita, Bead Study Trust Newsletter 44, 2004, 5.



164/1941.105

Breccia, black with sandy-coloured markings

Discoid

Ø 1.0, Th. 0.5, Perf. 0.18

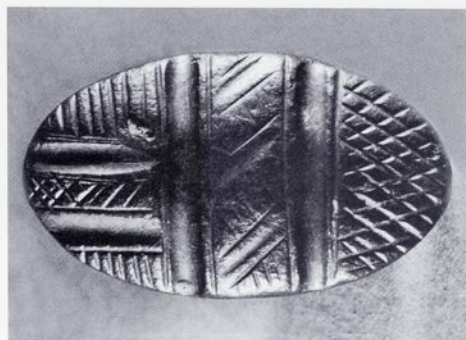
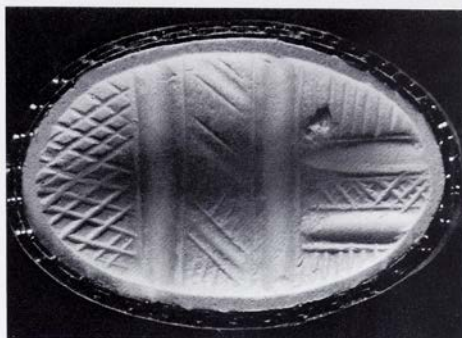
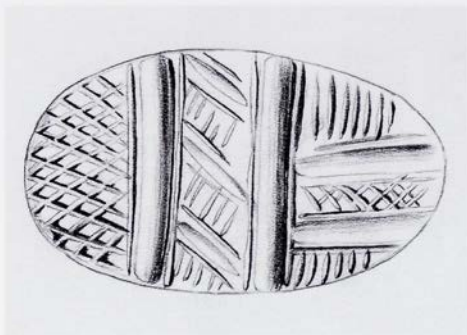
Face somewhat scratched and chipped

Crete (Acc. Reg.).

'Tectonic' pattern. The fill is of cross-hatching, a cross and double line zigzag.

Comparanda: Material: cf. CMS II,2 No. 1; II,4 No. 152(?); III,1 Nos. 126, 128; X No. 21; J. H. Betts in Popham, MUM 194 no. 9, pl. 189a. See J. H. Betts, CMS X 19; W. Müller, CMS III 17. The rings CMS V Suppl. 1A Nos. 197, 198 are of another variety of breccia.

Bibliography: Kenna, CS 110 no. 158, pl. 7; idem in Festschrift Matz 4; idem, Nestor 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, Antike Kunst 4, 1961, 15); J. J. Reich, JHS 86, 1966, 162 n. 32; Boardman, GGFR 389 = 407; Yule, ECS 52 (11c Lenticular Discoids), 146 (Index: Tectonic ornament 5), 220 (Classical Tectonic); Younger, Middle Phase 86.



165/1938.992

Haematite

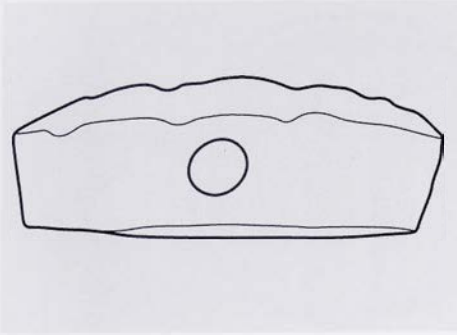
Ringstone, oval with convex engraved face and flat back, bevelled edges, the sides tapering slightly from front to back. Pierced across the narrow axis

L. 1.6–1.8, W. 0.95–1.1, Th. 0.35 (at ends)–0.6, Perf. 0.22

Small chip on face. Back unpolished, perhaps slightly worn

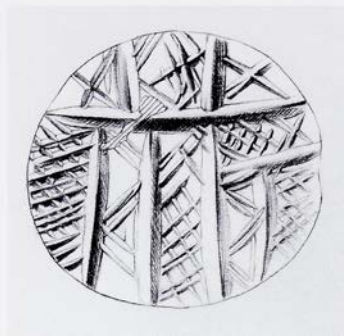
Siteia (Evans notebook '1922 Crete' with sketch).

'Tectonic' pattern of outlined bars. The fill is of cross-hatching, close hatching and crossing triple lines in the centre register.



Comparanda: Shape: cf. 254; CMS II,3 Nos. 164, 240. See I. Pini in CMS II,3, xxxi (suggesting use as both ringstone and seal); idem in CMS II,8 p. 12; R. A. Higgins in J. N. Coldstream – H. W. Catling (eds.), Knossos North Cemetery: Early Greek Tombs (BSA Suppl. 28, 1996) 68 f., 540, fig. 154, pl. 264, no. 18.f3 (= O. Krzyszkowska in Bradfer-Burdet et al., Κρής Τεχνίτης 127 no. 25); Y. Sakellarakis in Greek Offerings 23–29. Motif: cf. CMS II,8 No. 93; VIII No. 105. Style: E. Thomas in CMS Beih. 6, 307 n. 8. Material: J. G. Younger in CMS Beih. 6, 349 f.

Bibliography: V. E. G. Kenna apud D. Levi, *AEphem* 1953–54 part 3, 53 n. 4; Kenna, CS 110 no. 157, pl. 7, 121; idem in *Festschrift Matz* 4 f.; idem, *Nestor* 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, *Antike Kunst* 4, 1961, 15); Boardman, *GGFR* 91, 377, 388 = 407, colour p. 39:5; P. Yule, *Kadmos* 16, 1977, 62 n. 27; Yule, *ECS* 80 (30c Scaraboids, hard stone, 146 (Index: Tectonic ornament 1), 195, 220 (Classical Tectonic); P. Yule, *BSA* 78, 1983, 366 n. 22, fig. 34; I. Pini in CMS II,3, xxxi; Younger, *Middle Phase* 88; Y. Sakellarakis in *Greek Offerings* 25–7, figs. 5–6; E. Thomas in CMS Beih. 6, 307 n. 8.



166/1938.990

Rock crystal

Discoid with convex faces

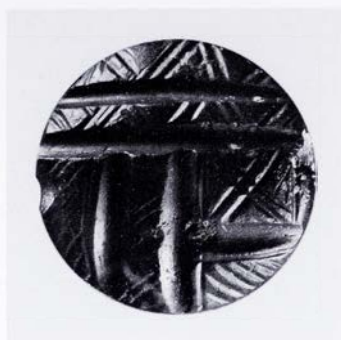
Ø 1.9, Th. 0.3–0.9, Perf. 0.35

Face slightly scratched

Crete (Acc. Reg.).

'Tectonic' pattern. Plain main bars. The fill is of cross-hatching, plain crosses and double zigzags.

Bibliography: Kenna, CS 110 no. 154, pl. 7, 29 n. 6, 75 n. 2; idem in *Festschrift Matz* 4; idem, *Nestor* 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, *Antike Kunst* 4, 1961, 15); Press, *Architektura* 253 no. 131; (Boardman, *GGFR* 389 = 407); Yule, *ECS* 52 (11c Lenticular Discoids), 146 (Index: Tectonic ornament 1), 220 (Classical Tectonic); Younger, *Middle Phase* 86. On manufacture: Evely, *Crafts* 156, pl. 37:5.



167/1938.988

Jasper, red

Lentoid

Ø 1.6, Th. 0.7, Perf. 0.25

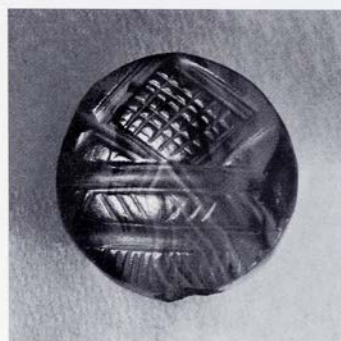
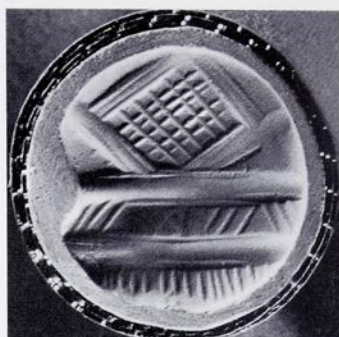
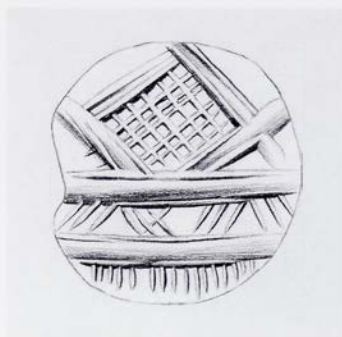
Several small chips

Central Crete (PM I 564 f.).

'Tectonic' pattern. Some of the main bars are outlined. The fill is of double-line zigzags, a double cross and hatching.

Comparanda: Style: E. Thomas in CMS Beih. 6, 307 n. 8.

Bibliography: PM I 564 f., fig. 411d; Sakellariou, Coll-Giam 24; Kenna, CS 110 no. 153, pl. 7; idem, Nestor 3, 1973, 829; (L. E. Tyree, Cretan Sacred Caves [Diss., Univ. of Missouri 1974] 197 n. 47); (Faure, Fonctions 105 n. 6); Boardman, GGFR pp. 43, 91, 376, 388 = 407, colour p. 39:6; P. Yule, AA 1977, 143, fig. 3; Yule, ECS 63 f. (19b Lentoids, hard stone), 108 n. 79, 146 (Index: Tectonic ornament 1), 220 (Classical Tectonic); E. Fiandra in CMS Beih. 5, 83, fig. 5b; Younger, Middle Phase 86; E. Thomas in CMS Beih. 6, 307 n. 8.



168/AE 1775

Agate, pale yellowish translucent with light brown markings

Discoid with convex faces

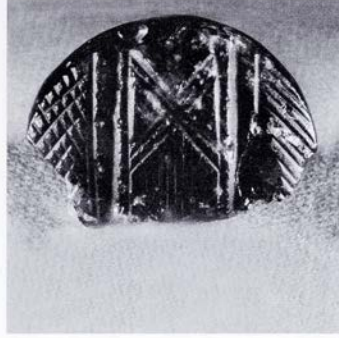
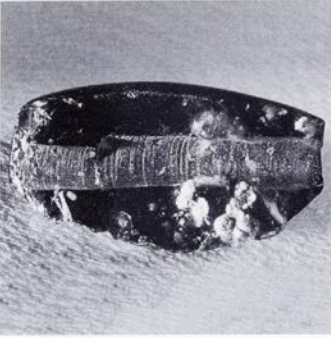
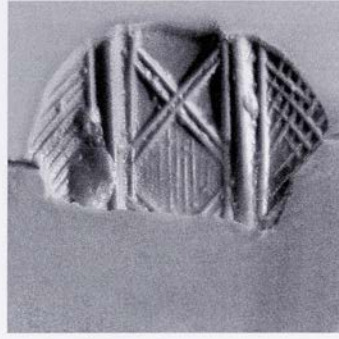
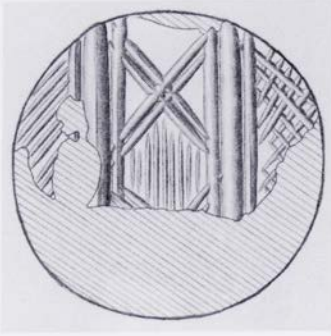
Ø 1.2, Th. 0.2–0.5, Perf. 0.2

Chipped at perf. and a little along edge

?Crete (Acc. Reg.).

'Tectonic' pattern of outlined horizontals and a lozenge. The fill is of cross-hatching, oblique hatching and a triple line zigzag.

Bibliography: Kenna, CS 111 no. 161, pl. 7; idem in *Festschrift Matz* 4; idem, *Nestor* 3, 1973, 829; J. J. Reich, *JHS* 86, 1966, 162 n. 32; Boardman, *GGFR* 100, 389 = 407, pl. 64; Yule, *ECS* 52 (11c Lenticular Discoids), 108 n. 79, 146 (Index: Tectonic ornament 3), 220 (Classical Tectonic); Younger, *Middle Phase* 86.



169/1941.145

Obsidian with white spots, the variety from Gyali

Discoid with convex faces

Ø 1.7, Th. 0.35–0.7, Perf. 0.25

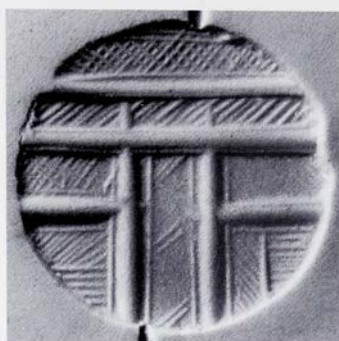
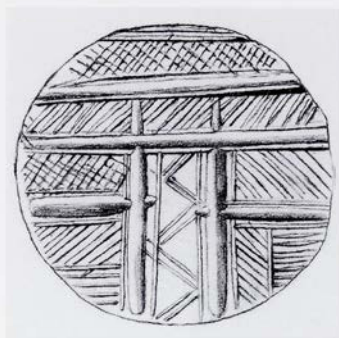
Broken along perf., only half preserved. Somewhat chipped

Crete (Acc. Reg.).

'Tectonic' pattern of outlined horizontal bars and double line crosses. The fill is of cross-hatching and straight hatching between the crosses.

Comparanda: Material: cf. obsidian cushion from Mochlos, P. M. Warren, *KretChron* 17, 1963, 352–5; see also C. Renfrew – J. R. Cann – J. E. Dixon, *BSA* 60, 1965, 239 f.; Younger, *Phylakopi Seals* 296 f.; P. P. Betancourt in Laffineur – Betancourt, *Τέχνη* 171–6.

Bibliography: Kenna, *CS* 111 no. 160, pl. 7, 71; idem in *Festschrift Matz* 4 f., pl. II; idem, *Nestor* 3, 1973, 829; C. Renfrew – J. R. Cann – J. E. Dixon, *BSA* 60, 1965, 240 n. 73; (J. J. Reich, *JHS* 86, 1966, 162 n. 32); Boardman, *GGFR* 389 = 407; Yule, *ECS* 108 n. 79, 146 (*Index: Tectonic ornament* 5), 220 (*Classical Tectonic*); Younger, *Middle Phase* 88.



170/1938.989

Rock crystal

Discoid with convex faces

Ø 1.6, Th. 0.4–0.7, Perf. 0.25

Condition good (very slight damage to face)

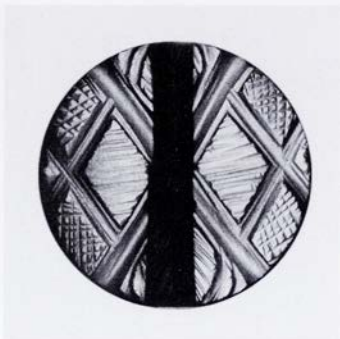
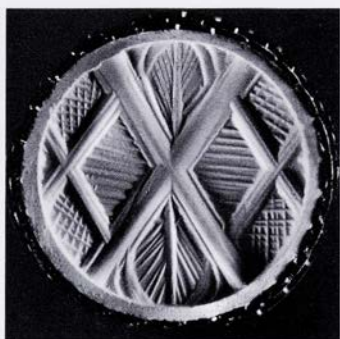
Palaikastro [1], as noted by Evans 1898.

(‘Knossos’ district [37], PM I 564 f., is thus probably wrong).

‘Tectonic’ pattern of outlined bars. The fill is of cross-hatching, close hatching and a double line zigzag in the door.

Comparanda: Material and motif (general) cf. CMS II,2 No. 4. Motif: cf. CMS II,8 No. 93. Style: E. Thomas in CMS Beih. 6, 307 n. 8.

Bibliography: PM I 564 f., fig. 411c:1–2; PM IV 489, fig. 418b; V. E. G. Kenna apud D. Levi, *AEphem* 1953–54 part 3, 53 n. 4; Kenna, *CS* 110 no. 156, pls. 7 and 23, 29 n. 6, 43, fig. 67; idem in *Festschrift Matz* 4 f., pl. II; (idem, *Archaeology* 19, 1966, 249, fig. 3); idem, *Nestor* 3, 1973, 829; Sakellariou, *CollGiam* 24; (H. Erlenmeyer – H. Zai-Börlin, *Antike Kunst* 4, 1961, 15); J. J. Reich, *JHS* 86, 1966, 162 n. 32; Press, *Architektura* 242 no. 39; K. Branigan, *Kadmos* 8, 1969, 12; Boardman, *GGFR* 34, 98, 389 = 407, pl. 20; (Hood, *APG* 215, 217, 220, fig. 213D); Yule, *ECS* 51 (11b Discoids, hard stone), 146 (Index: Tectonic ornament 1, 220 (Classical Tectonic); P. Yule – K. Schürmann in *CMS Beih.* 1, 274–6, figs. 1–2; E. Fiandra in *CMS Beih.* 5, 83, fig. 5c; Younger, *Middle Phase* 86, 116; E. Thomas in *CMS Beih.* 6, 307 n. 8; Brown – Bennett, *Travels* 465, 468 f. no. 370. On manufacture: Evely, *Crafts* 156; cf. Krzyszkowska, *AS* 87.



171/1938.991

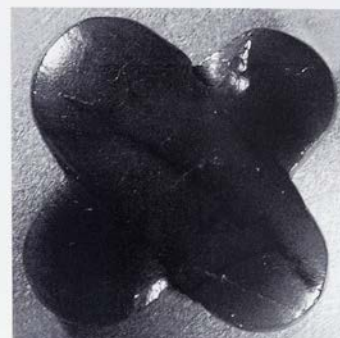
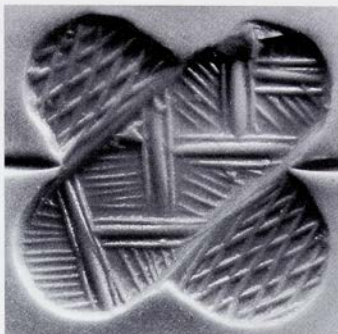
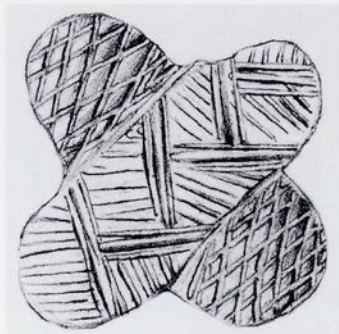
Rock crystal, slightly smoky
 Discoid with slightly convex faces
 Ø 1.2, Th. 0.35–0.5, Perf. 0.2
 Condition good
 Crete (Acc. Reg.).

'Tectonic' pattern of lozenges made of outlined bars. The fill is of close hatching and a leaf (centre top and below).

Commentary: The curved outline of the 'veined leaves' is unusual among the otherwise strictly linear and angular 'tectonic' patterns. Cf. CMS IX No. 33; HM 3265 (N. Dimopoulou in CMS Beih. 6, 33 no. 8, fig. 1).

Comparanda: Motif: cf. CMS II,2 No. 11; II,8 No. 95. On style: E. Thomas in CMS Beih. 6, 307 n. 8.

Bibliography: V. E. G. Kenna apud D. Levi, *AEphem* 1953–54, part 3, 53 n. 4; idem in *Festschrift Matz* 4, pl. 2; Kenna, *CS* 110 no. 155, pl. 23, 75 n. 2; idem, *Nestor* 3, 1973, 829; (J. J. Reich, *JHS* 86, 1966, 162 n. 32); Boardman, *GGFR* 34, 98, 389 = 407, pl. 17; Yule, *ECS* 51 (11b Discoids, hard stone), 146 (Index: Tectonic ornament 14), 175 (Index: Abstracted...motifs 23), 220 (Classical Tectonic); I. Pini, *CMS* XI, xxviii n. 79; Younger, *Middle Phase* 87; E. Thomas in *CMS Beih.* 6, 307 n. 8. On manufacture: Evelyn, *Crafts* 156, 158, pls. 37:6–7, 38:8–9; cf. Krzyszkowska, *AS* 87.



172/AE 1232/3

Cornelian

X-shaped; one arm thicker than the other, looking as though 'on top of' it. Pierced between the arms

L. 1.25, L. along perf. 0.8, Th. 0.45, Perf. 0.21

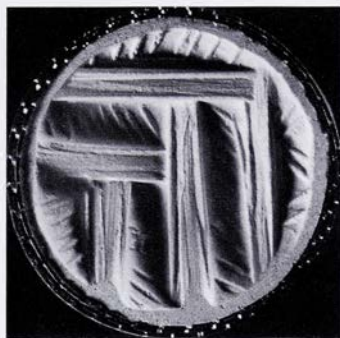
A chip at one end of the perf. and running along the arm

'Hagia Pelagia chamber tomb' [41] (Acc. Reg., see Introduction, p. 12). Given by Evans 1907.

Zigzag line on the 'top' arm, crosswise hatching on the other.

Comparanda: Shape: cf. K. Müller, AM 34, 1909, pl. XIII:29; CMS III,1 Nos. 29, 30; (less close, probably an altered lentoid) CMS XII No. 119; Yule, ECS 101 (34e Cross). See Introduction, p. 16.

Bibliography: H. C. Beck, Archaeologia 77, 1928, 33, fig. 27:A1; Boardman, GGFR 391 = 409.



173/1941.141

Marble (?), mottled black and white

Discoid with convex faces

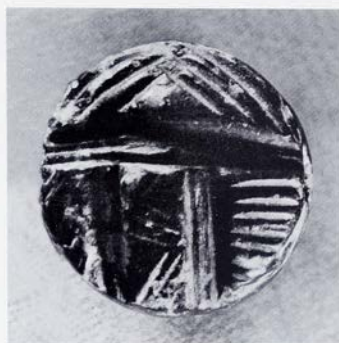
Ø 1.6, Th. 0.25–0.8, perf. 0.25

Condition good

Crete (Acc. Reg.).

'Tectonic' pattern of outlined bars. The fill is of oblique hatching and a double line zigzag.

Bibliography: Kenna, CS 110 no. 159, pl. 7; idem in *Festschrift Matz* 4; idem, *Nestor* 3, 1973, 829; (H. Erlenmeyer – H. Zai-Börlin, *Antike Kunst* 4, 1961, 15); (Boardman, *GGFR* 389 f. = 407 f.); Yule, *ECS* 52 (11c Lenticular Discoids), 146 (Index: Tectonic ornament 10), 204 n. 66, 220 (Common Tectonic); Younger, *Middle Phase* 86. On manufacture: Evely, *Crafts* 156.



174/1938.986

Conglomerate? Mottled black and white (cf. CMS II,2 Nos. 1 and 52?)

Discoid with convex faces

Ø 1.3, Th. 0.3–0.8, Perf. 0.2

Condition good

Knossos [37]. Acquired by Evans in Herakleion 1894.

'Tectonic' pattern resembling striated jambs and lintel, triple line gable, hatching at either side and triple line zigzag in the door.

Bibliography: Evans, JHS 32, 1912, 286, fig. 1a; PM I 674, fig. 493a; Pendlebury, AC 170, fig. 29d; E. B. Smith, AJA 46, 1942, 116, fig. 43d; Nilsson, MMR² 273 n. 35; Kenna, CS 110 no. 152, pl. 7; idem in Festschrift Matz 4; E. Grumach, Kadmos 1, 1962, 159 f.; (D. Levi, ASAtene 23–24, 1961–62, 95 n. 4); Press, Architektura 105, 118, 141, 242 no. 40; P. Yule, AA 1977, 143, fig. 2; Yule, ECS 53 (11d Plump Discoids), 146 (Index: Tectonic ornament 2), 175 (Index: Abstracted...motifs 22), 220 f. (Common Tectonic); W. Schiering in Origines de l'Hellénisme 67–70, fig. 2; Goodison, DWS 185; R. Mersereau, AJA 97, 1993, 5, fig. 1; Younger, Middle Phase 86; Brown – Bennett, Travels 190 f., 432 f. no. 201. On manufacture: Evelyn, Crafts 156.



175/1953.116

Alabaster? Narrow brown and yellowish bands

Lentoid

Ø 2.0, Th. 0.7, Perf. 0.25

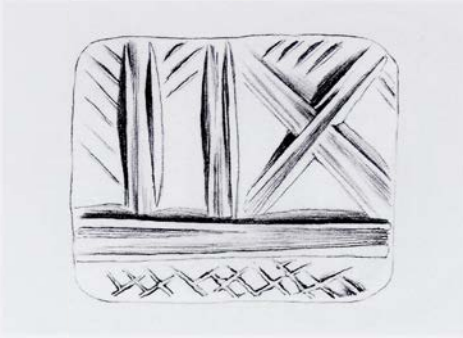
Badly chipped at left side

'Palestinian coast just south of Gaza'. Given
by the Revd. V. E. G. Kenna.

'Tectonic' pattern of a horizontal and three uprights (that on the right partly missing), formed of outlined bars; oblique hatching between and outside, a zigzag above.

Comparanda: Outlined bars of the horizontal and uprights: cf. CMS II,2 No. 200. Zigzag: cf. 268. On the find-place: H.-G. Buchholz, AA 1974, 423 f.; I. Pini in Pepragmena 3, 225 n. 9; idem in Laffineur-Greco, Emporia II 778 n. 6.

Bibliography: Kenna, CS 151 no. 31P, pl. 19, 61 n. 13, 65, 78, 85; idem in Festschrift Matz 4; idem, AA 1964, 915; Boardman, IG 21; M.-L. Erlenmeyer – H. Erlenmeyer, *Orientalia* 33, 1964, 228; H.-G. Buchholz, *OLZ* 61, 1966, 125 f.; idem, AA 1974, 423 f.; I. Pini in *Pepragmena* 3, A', 225 n. 9; Yule, *ECS* 63 f. (19b Lentoids, hard stone), 146 (Index: Tectonic ornament 2), 220 (Common Tectonic); Younger, *Iconography* 235; Younger, *Middle Phase* 86.



176/AE 699

Schist or serpentine, grey-black (like 186)

Cushion

L. 1.7, W. 1.45, Th. 0.45, Perf. 0.2

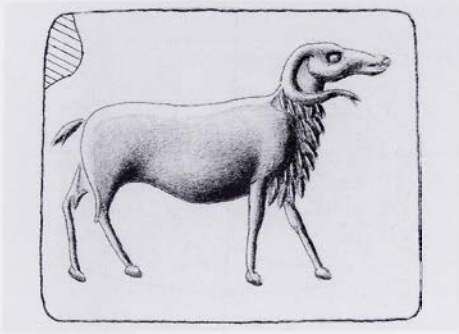
Slightly worn

Psychró cave [28].

Geometric pattern of striated bars. The fill is hatching, with cross-hatching in the lower register.

Comparanda: Cf. CMS V Suppl. 3,2 No. 478 (close), also II,3 No. 377; VII No. 43; X No. 62 (jasper); Sakellarakis, Archanes II 684 f., fig. 778. Seals from sanctuaries: Younger, Phylakopi Seals 294 f.

Bibliography: Kenna, CS 117 no. 198, pl. 8; idem, Nestor 3, 1973, 829; Boardman, CCO 69, no. 287, pl. XXIV; Boardman, GGFR 389 = 407; Yule, ECS 44 f. (8a Cushions, soft stone), 146 (Index: Tectonic ornament 21), 220 (Common Tectonic); Younger, Middle Phase 87 (X's, off center); (Moss, Minoan Pantheon 136 n. 220). On manufacture: Evely, Crafts 156.



177/1938.953

Cornelian, orange-brown with a dark patch at three corners and a small grey patch at top edge

Cushion

L. 2.0, W. 1.6, Th. 0.7, Perf. 0.31

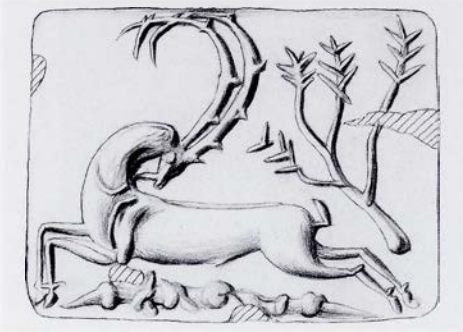
Chipped along edges

'Obtained by me on the site of Lyktos' [32] (PM I 685).

A horned sheep walking.

Comparanda: Cf. CMS II,8 Nos. 378, 379(?), (less close) 448; III,2 No. 464; X No. 122 (= Christie's cat. 5 June 1989 [Erlenmeyer Coll.] 52, lot 147); XII No. 136. On motif, with clear example of ram's horns: I. Pini, CMS II,3, xxxviii n. 88; Onassoglou, DtS 124 n. 718. Subject, ram: B. P. Hallager in Laffineur – Hägg, Potnia 318. Composition, off-centre: J. H. Betts, CMS × 32. Style: E. Thomas in CMS Beih. 6, 307.

Bibliography: PM I 685, fig. 503a; PM IV 571, fig. 546, 588; Glotz, *Civilisation* 392; M. Oulié, *Les Animaux dans la peinture de la Crète préhellénique* (1926) 150; S. Marinatos, AA 1928, 540, fig. 5; Sakellariou, *Coll-Giam* 22 at no. 122; Kenna, CS 117 f. no. 200, pl. 8, 29 n. 6, 43 n. 5, 75 n. 2; idem, *Nestor* 3, 1973, 829; H. Erlenmeyer – H. Zai-Börlin, *Antike Kunst* 4, 1961, 17; Boardman, GGFR 91, 391 = 409, colour p. 39:11; J. Boardman in *AntCret* 115 No. 4; Stella, *Civiltà Micenea* 163, fig. 72; Yule, ECS 45 (8b Cushions, hard stone), 127 (Index: Sheep 4); Younger, *Aegean Seals* III 55 (Pimple-Eye Sheep); Younger, *Iconography* 9; I. Pini, CMS II,3, xxxviii n. 88; Onassoglou, DtS 124 n. 718; J. H. Betts, Christie's sale catalogue 5 June 1989 (Erlenmeyer Coll.) 52 at lot 147; Vanschoonwinkel, *Les animaux* 403 no. 494; E. Thomas in CMS Beih. 6, 307 n. 9; D. Rousioti in Laffineur – Hägg, *Potnia* 318 n. 41. On manufacture: Evely, *Crafts* 161, pl. 40:1.



178/1938.946

Agate, light and dark brown with very fine bands and mottling (not unlike 343)

Cushion. Two perfs.

L. 1.9, W. 1.45, Th. 0.54, Perfs. 0.30 and 0.23

Slightly chipped around edges; a cut at left side of face. Along the top edge are two tubular drill channels, not meeting, probably left when the seal shape was roughed out

Obtained by Evans at Rethymno (PM IV 500).

A wild goat with very long curling horns, its head turned back, leaping over rocks; a four-branched tree behind it.

Commentary: An early example of a fine banded agate seal. The tree and the crossing tips of the goat's horns appear on the so-called 'ivory half-cylinder' OAM 1938.790, on which see Introduction, pp. 28: cf. Matz, Siegel 111–3, 122; H. Hughes-Brock in CMS Beih. 3, 84.

Comparanda: Motif, pose of animal: cf. MOPS, Tonplomben no. 77; E. Bloedow, PZ 78, 2003, 24 n. 149 (where comparanda); for goat's horns cf. CMS XIII No. 19, also 153. Subject: Goodison, DWS 52–54; R. Porter in D. S. Reese (ed.), Pleistocene and Holocene Fauna of Crete (1996) 295–315; Vanschoonwinkel, Les animaux 390 no. 230; Chrysikopoulou AEphem 138, 1999, 138; E. Bloedow, PZ 78, 2003, 1–59. Style: E. Thomas in CMS Beih. 6, 309.

Bibliography: PM I 275–7, fig. 204r,s; PM IV 500, fig. 439, suppl. pl. LIVa; Matz, Siegel 14 f., 111–3, 122, pl. XIV:10, K153; M. Möbius, JdI 48, 1933, 35 n. 1; Pendlebury, AC 143, fig. 25c; F. Matz, Historia 1, 1950, 181 n. 82; Biesantz, KMS 61; D. Levi, ASAtene 19–20, 1957–58, 113, 138; Kenna, CS 118 no. 201, pls. 8 and 23, 30 n. 1, 75 n. 2; idem, AAA 4, 1971, 129, fig. 2:15; idem, Nestor 3, 1973, 829; Hutchinson, PC 136, 178, fig. 34; Boardman, GGFR 42, 99, 391 = 409, pl. 57; Hood, Minoans 109, fig. 88; Buchholz et al., ArchHom J, 60 no. 25; A. Tamvaki, BSA 69, 1974, 263 n. 61; Hood, APG 215, fig. 213B; Yule, ECS 45 (8b Cushions, hard stone), 123 (Index: Goats 21), 169 (Index: Landscape elements 7), 202 n. 15, 215 (Hieroglyphic Deposit Group); Younger, Iconography 43, 262, 304, 317, 330; Younger, Middle Phase 102, 125, 127, 131, 175 (Monumental Agrimia), pls. 78f.; B. Brentjes, Alte Siegelkunst des Vorderen Orients (1983), 43 illus.; Goodison, DWS 53, fig. 116a; Vanschoonwinkel, Les animaux 391 no. 247; E. Chrysikopoulou, AEphem 138, 1999, 138 n. 66; E. Thomas in CMS Beih. 6, 309 n. 12; E. Bloedow, PZ 78, 2003, 7, fig. 6. On manufacture: J. G. Younger, Expedition, 23/4, 1981, 34 f., figs. 10 f.; Younger, Phylakopi Seals 285, pl. 55h–j; Evely, Crafts 161 (drill marks across top edge).



179/1938.962

Chalcedony, blue-grey

Cushion

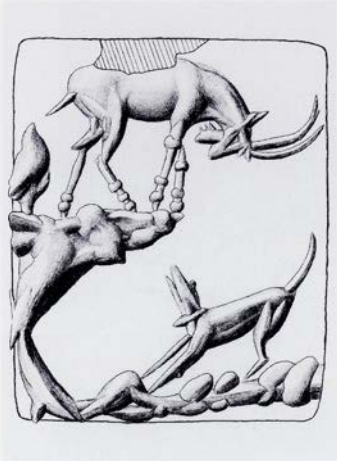
L. 1.93, W. 1.6, Th. 0.78, Perf. 0.26, 0.3

Face damaged and its edges slightly chipped
 'From Knossos' [37]. Bought by Evans 1896.

A goat leaps diagonally across the field and a man leaps across behind its body to hold a horn and its neck. A running dog below.

Comparanda: cf. CMS II,8 No. 235 (very close). Composition, diagonal, somewhat unusual: cf. 217; CMS II,8 No. 157; VII No. 35b; XI No. 41.

Bibliography: Kenna, CS 122 no. 226, pl. 9, 79 n. 6, p. 124 at no. 244; idem, Nestor 3, 1973, 829; M. A. V. Gill in CMS Beih. 0, 34; A. Tamvaki, BSA 69, 1974, 281; I. Pini in CMS Beih. 1, 154, fig. 12a; Buchholz et al., ArchHom J, 57, 61 no. 34; Younger, Aegean Seals IV 48 n. 5; Younger, Iconography 162, 242, 267; Younger in Transition 58; Younger, Middle Phase 15, 23, 97, 176 (Koukounara Agrimi Hunt); Vanschoonwinkel, Les animaux 392 no. 270; Brown – Bennett, Travels 242 f., 450 f., no. 291. On manufacture: Evely, Crafts 161.



180/1938.954

Chalcedony, blue, with whiter bands on both sides

Cushion

L. 1.5, W. 1.2, Th. 1.65, Perf. 0.25

Edges slightly chipped

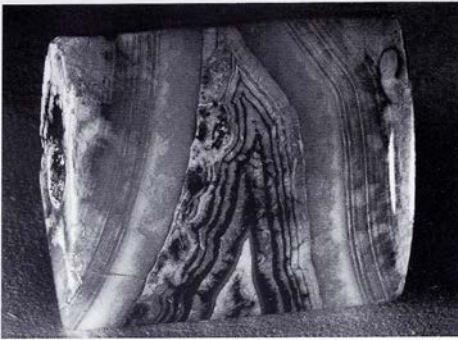
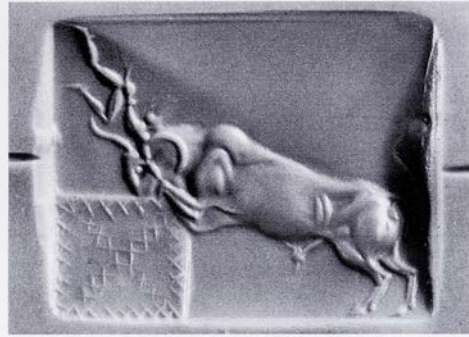
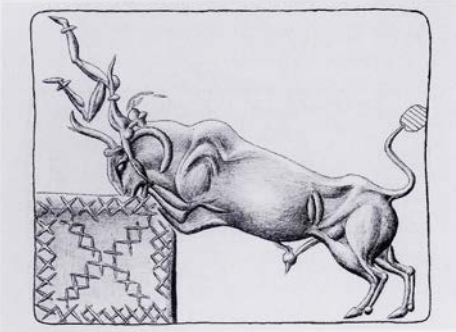
'Archanes' [40]. Bought by Evans at Athens together with others allegedly collected at Archanes by a native (PM IV 508 n. 5). See Introduction, pp. 11 f.

A wild goat with lowered head stands on a rocky outcrop. A dog on the rocky ground below crouches and raises its muzzle with mouth open (barking).

Comparanda: Motif: cf. CMS II,5 No. 258. On the rock-work: see Hallager, Master Impression 17. Style: E. Thomas in CMS Beih. 6, 309.

Bibliography: PM IV 508 f., fig. 453, suppl. pl. LIVg; E. J. Forsdyke, ProcBritAcad 15, 1929, 66, pl. X2; Pendlebury, AC 171, fig. 29b; F. Schachermeyr, Wörter und Sachen N.F. 2, 1939, 145 n. 2, 146, fig. 18; Matz, KMT

pl. 53; D. Levi, ASAtene 19–20, 1957–58, 119; Kenna CS 122 no. 227, pl. 9; idem, Nestor 3, 1973, 829; Schachermeyr, MK 199, 204, 209, 217, figs. 113, 117b; idem, KretChron 15–16 (1), 182; (G. Sakellarakis, ADelt 20/1, 1965, 110; idem in Pepragmena 4, A², 512 n. 3); H. van Effenterre, Gnomon 38, 1966, 196; Boardman, GGFR 32, 42, 100, 391 = 409, pl. 61; Hood, Minoans 88 f., pl. 45; H. A. Groenewegen-Frankfort – B. Ashmole, Art of the Ancient World (1972) 134, fig. 166; (Faure, La Vie quotidienne 347); Buchholz et al., Arch-Hom J, 57, 60 no. 26; J. Schäfer, Jdl 92, 1977, 3 f., fig. 1; Hood, APG 218 f., fig. 218; Yule, ECS 45 (8b Cushions, hard stone), 122 f. (Index: Goats 31), 169 (Index: Landscape elements 6), 202 n. 15; J. H. Betts in CMS Beih. 3, 16; Younger, Iconography 18, 242, 317; Younger in Transition 57, pl. XIVn; Younger, Middle Phase 15, 97, 127 f., 162 f., pl. 9 (Couchant Agrimia Group); idem in CMS Beih. 5, 340; Hallager, Master Impression 17, fig. 19h; Bakermat 9 fig. 12, 34 no. 96; Vanschoonwinkel, Les animaux 390 no. 230, 391 no. 243; Sakellarakis, Archanes II 672 n., 695, fig. 796; E. Thomas in CMS Beih. 6, 309 n. 12; (idem in Im Labyrinth des Minos 146, fig. 123); (Wang Yixin 240, fig. 183); E. Bloedow, PZ 78, 2003, 11 f., fig. 23; Krzyszkowska, AS 15 n. 32, 82, 123 f., 145 f., no. 255 = C21.



181/1938.964

Agate, with bands and mottling of light and dark brown and translucent white

Cushion with flat polished ends. The perf. is double-drilled, becoming pear-shaped. Two short parallel grooves on the back beside the perf. at one end

L. 2.2, W. 1.7, Th. 0.65, Perf. 0.25–0.35

Face slightly damaged

'Priene' according to previous owner in Athens, before Tyszkiewicz (Furtwängler, AG II 26). Obtained by Evans ex Coll. Tyszkiewicz.

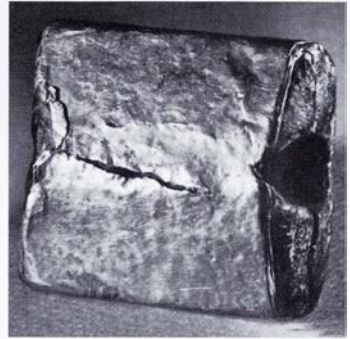
lozenges. A bull stands with its forelegs and muzzle over the rim of the construction while a man leaps onto its neck, his head thrown back and an arm stretching along the side of the bull's neck. He wears a belted loincloth and boots or anklets. His hair flies up. The bull is heavily muscled, with eye countersunk and two ribs boldly marked. One horn projects forward and it may be the other that is shown as a crescent over its neck. Traces of preliminary sketch along the bull's back and belly and around the man.

A hollow square construction resembling a trough or a cistern, decorated with a cross and outline of

Comparanda: Cf. Christie's sale catalogue 6 July 1994, lot 498. Subject: Deonna, Symbolisme de l'acrobatie 23–30, 69–76, bull games 96–105. On the man's footwear or anklets: cf. Hallager, *Master Impression* 22, 28 n. 122; see A. Papaethymiou-Papanthimou in Αμητός 615–628.

Bibliography: Furtwängler, AG I pl. VI:9, II 26, fig.; Milani, *Studi* 2, 105, fig. 162, 107, 141; A. Reichel, AM 34, 1909, 87, fig. 4; PM I 374, 377, fig. 274; PM III 185, fig. 129; PM IV 501, suppl. pl. LIVE; G. Lippold, *Gemmen und Kameen* (1922) pl. 90:5; Glotz, *Civilisation* 393; E. Cahen, REG 38, 1925, 7 f.; (Zakharov 21, fig. 3); G. Rodenwaldt, *Die Kunst der Antike* (1927) 1st ed., 124; 2nd ed., 126 [plate]; Hall, *Civilization* 186 f., fig. 243; Matz, *Siegel* 14 f., 111, 126, K146; Bossert, *Altkreta*² 1923 fig. 326d (= fig. 401i in Eng. ed., 1937); Dalskii 110, 121, fig. 60; Fábri, *Cretan bull-grappling* 93 n. 1, 100, fig. 7; E. Curtius, *Antike Kunst* II/1, 1938, 50, fig. 53L; Pendlebury, AC 171; Deonna, *Symbolisme de l'acrobatie* 26, fig. 44; Matz, KMT pl. 53; E. N. Gardiner, *Athletics of the Ancient World* (1955) 11; J. L. Benson in S. Weinberg (ed.), *The Aegean and the Near East: Studies Presented to Hetty Goldman* (1956) 65; J. W. Graham, AJA 61, 1957, 257–61, pl. 78.3; idem, *The Palaces of Crete* (1962) 78 f., fig. 54; idem in *AntCret* 67, 69; Kenna, CS 118 No. 202, pl. 8, 43, 67, 75 nn. 2, 5; idem, AAA 4, 1971, 128, 134 f., fig. 2:17; idem, *Nestor* 3, 1973, 829; Hutchinson, PC 179; A. M. Snodgrass, JHS 84, 1964, 212; Higgins, *MinMycArt* 51, fig. 48; Press, *Architektura* 148, fig. 70, 214, 253 no. 133; A. Ward, *Antiquity* 42, 1968, 118–20; (eadem in A. Ward [ed.], *The Quest for Theseus* [1970] 130 f., ill. 140); Boardman, GGFR 42, 99, 375, 391 = 409, pl. 58, colour p. 49:5; J. L. Benson, *Horse, Bird & Man* (1970) 104, pl. XL:1b; C. F. Herberger, *The Thread of Ariadne: the Labyrinth of the Calendar of Minos* (1971) 34–36; H. A. Groenewegen-Frankfort – B. Ashmole, *Art of the Ancient World* (1972) 134, fig. 165; G. Kehnscherper, *Kreta Mykene Santorin* (1973) 15 (fig.); A. Tamvaki, BSA 69, 1974, 278; J. G. Younger, AJA 80, 1976, 128 n. 14, 130 no. II:6, pl. 21:4–5; M. H. Wiencke, *ibid.* 430; Yule, ECS 45 (8b Cushions, hard stone), 120 f. (Index: Men 49), 125 (Index: Bulls 18), 169 (Index: Landscape elements 9), 191, 221 (Temple Repository Mannerist), pl. 41:66; H. Hughes-Brock, *Classical Review* 97, N.S. 33, 1983, 88; (Kern, *Labirinti* 56 no. 31); (I. Ström, *Graekenlands Forhistoriske Kulturer* [1982] II, 118 f., fig. 166); A. Papaethymiou-Papanthimou in Αμητός 619; Hallager, *Master Impression* 22, 28 n. 122, fig. 26c; J. G. Thompson, *Archaeological News* 14, 1985, 4 f., 8 n. 20; Younger, *Aegean Seals* IV 35 no. 43, 55, fig. 2 ('Vapheio Cup' Bulls); Younger, *Iconography* 169, fig. 121, 278, 336; Younger in *Transition* 59, pl. XIVu; idem in CMS Beih. 3, 339 f., fig. 2; idem in Laffineur – Niemeier, *Politeia* 511–3, 528 no. 49; idem in CMS Beih. 5, 344; (R. Castleden, *The Knossos Labyrinth* [1989] 136 f., fig. 41); Bakermat 9 fig. 13, 34 no. 105; Vanschoonwinkel, *Les*

animaux 386 f. nos. 188, 206; M. Rice, *The Power of the Bull* (1998) 208 f., fig. 13.5; (Wang Yixin 378 fig. 330); S. C. German, *Performance, Power and the Art of the Aegean Bronze Age* (2005) 45; Krzyszkowska, AS 4 n. 7, 13, 82, 123–6, 141 f., 146, 307 n. 143, no. 206 = C24.



182/1938.963

Steatite, black, covered with gold foil (see Appendix, Analysis Results)

Cushion

L. 1.75, W. 1.53, Th. 0.7, Perf. 0.42

A small patch of gold foil missing at one end; foil split and somewhat battered on the reverse. Traces of a green substance in the perf. and where the foil is split on the reverse

Palaikastro [1]. Obtained there by Evans 1894 together with 102.

Two dolphins. A rocky outline before and below them.

Commentary: The perf. is unusually large and contains the remains of a green substance. It perhaps received a bronze pin, possibly a swivel pin attached to a ring.

Comparanda: Shape and motif: cf. CMS IX Nos. 72, 73; X No. 313. Motif and composition: cf. CMS V No. 176; VIII No. 59 (now OAM 1967. 934). Style: E. Thomas in CMS Beih. 6, 309. On dolphins: see M. A. V. Gill in Darcque – Poursat, *L'Iconographie minoenne* 67, 69, fig. 7. Cf. CMS I No. 259. Gold foil covering: cf. CMS II,3 No. 24; III,1 No. 100; V No. 197; VII No. 168; IX No. 204; see I. Pini, CMS II,3, xxxiii n. 66. Manufacture: cf. 185, 423; J. G. Younger, BSA 74, 1979, 265 f., pl. 37c–g.

Bibliography: PM I 675, fig. 495; PM IV 500, fig. 441, suppl. pl. LIVb; L. Banti, *ASAtene* 3–4, 1941–43, 33 n. 1; Kenna, CS 118 no. 203, pl. 8, 75 n. 3, 116 f. at no.

195; idem, BICS 13, 1966, 70; idem, Nestor 3, 1973, 829; H.-G. Buchholz, OLZ 61, 1966, 131; Boardman, GGFR 42, 56, 99 f., 391 = 409, pl. 59, colour p. 39:12; M. A. V. Gill, AJA 74, 1970, 405 n. 6; Treasures of the Ashmolean Museum (1970) pl. 16; Hood, *Minoans* pl. 30; Buchholz et al., ArchHom J, 150 no. 33; P. Yule, Kadmos 16, 1977, 63; Yule, ECS 46 (8c Cushions, miscellaneous), 136 (Index: Fish 8), 169 (Index: Landscape elements 8); (Hood, APG 221, fig. 222c); (J. A. Sakellarakis in Cahn – Simon, *Tainia* 3); M. A. V. Gill in Darcque – Poursat, *L'Iconographie minoenne* 67, fig. 7b; Czernohaus, *Delphindarstellungen* cat. no. 16, p. 16, pl. XV:2; Younger, *Iconography* 207, 319; Younger in *Transition* 57, pl. XIIIk; Younger, *Middle Phase* 33, 127, 169 (Marine School), pls. 48 f.; A. Tamvaki in CMS Beih. 3, 271 n. 140; Vanschoonwinkel, *Les animaux* 396 no. 344; E. Thomas in CMS Beih. 6, 309 n. 12; Brown – Bennett, *Travels* 124 f., 398, 420 f. no. 121; Krzyszkowska, AS 13, 124, 127 n. 29, 144–6, 241, no. 257 = C23. On manufacture: J. G. Younger, BSA 74, 1979, 265 f., pl. 37c–g (cf. 185?); Younger, *Aegean Seals* II 130; Evely, *Crafts* 161; I. Pini, *Creta Antica* 6, 2005, 68 no. 48, 80, pl. IV:19.



183/1938.956

Chalcedony, grey-black with some lighter mottling

Cushion

L. 1.9, W. 1.55, Th. 0.6, Perf. 0.28

Face somewhat damaged

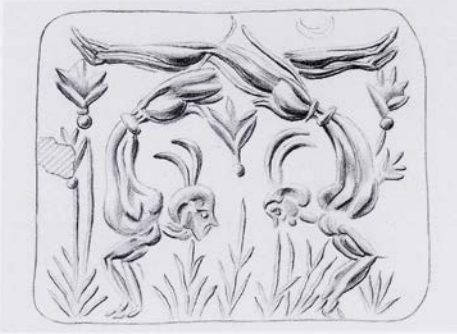
Knossos [37], found to north of Palace (PM I 677). Cf. Popham – Gill, *Latest Sealings* 61 no. 5.

A man wearing a belted loincloth with tasselled ends holds an octopus (four arms shown) suspended from a cord in his raised right hand, and a spiny fish, by its mouth, in his left hand.

Comparanda: Motif: cf. 324; CMS II,2 No. 174a; VII No. 88; × No. 144 (Christie's sale catalogue 5 June 1989 [Erlenmeyer Coll.] 52, lot 153); see J. Powell in Laffineur – Crowley, *Eikón* 311. Subject: Wingerath, *Darstellung* 27. Style: E. Thomas in CMS Beih. 6, 309.

Bibliography: Evans, BSA 7, 1900–01, 10; PM I 555, 677, fig. 497; PM IV 500, fig. 440, suppl. pl. LIVc; (Glotz, *Civilisation* 393); (Vickery, *Food* 77, 79); P. Demargne

in *Mélanges Dussaud* 122; Pendlebury, AC 170 f.; Matz, *Siegel* 14 f., 109, K152; G. V. Gentili, *Notizie degli scavi di antichità* 10, 1956, 165; Kenna, CS 119 no. 205, pl. 9, 47, fig. 88, 75 n. 1; Kenna, *Nestor* 3, 1973, 829; (H. W. Catling, *Cypriot Bronzework in the Mycenaean World* [1964], 206); Davis, *Decipherment* 241 f., fig. 226; M. A. V. Gill, *Kadmos* 6, 1967, 118 n. 16; Boardman, *GGFR* 42, 100, 391 = 409, pl. 62; idem in *AntCret* 118 n. 32; Sapouna-Sakellarakis, *MZ* 64 f., 75, fig. 14 no. 172, 121 f., 132; Buchholz et al., *ArchHom J*, 140 no. 48, 180; C. Davaras, *Guide to Cretan Antiquities* (1976), 282, fig. 158; I. A. Sakellarakis, *AAA* 7, 1974, 337–83, fig. 5; Kaiser, *UMR* 53, pl. 5:9; M. A. V. Gill in *Darcque – Poursat, L'Iconographie minoenne* 71, fig. 11a; A. Tamvaki in CMS Beih. 3, 271 n. 143; Younger, *Iconography* 163, 268; Younger, *Middle Phase* 20, 98 f., 102, 174 (*The Groups of Robed Priests, D*); (J. G. Younger in CMS Beih. 5, 342); (Castleden, *Minoans* 113, fig. 35); J. Powell in Laffineur – Crowley, *Eikón* 311, pl. LXXVIc; (J. H. Betts, Christie's sale catalogue 5 June 1989 [Erlenmeyer Coll.] 52 at lot 153); Wingerath, *Darstellung*, fig. 24; Vanschoonwinkel, *Les animaux* 397 no. 372; Popham – Gill, *Latest Sealings* 61 no. 5, pls. 35, 48b; E. Thomas in CMS Beih. 6, 309 n. 12. On manufacture: Evely, *Crafts* 161.



184/1938.955

Chalcedony, blue

Cushion with flat edges

L. 2.15, W. 1.8, Th. 0.8, Perf. 0.3

Slightly chipped around edge. Fissure on the face. Fissure on back, from which spreads a yellow-brown stain (iron oxide); cf. **242**

Knossos [37], found on hill ½ mile north of Palace (PM IV 501).

Two acrobats perform a handstand, their legs crossing. They wear double plumes as headdress and belted loincloths with codpieces. Between and beside them are five (lily?) flowers and grasses.

Comparanda: Motif: cf. CMS I No. 131. Subject: CMS III, 1 No. 166a; Deonna, *Symbolisme de l'acrobatie* 23–30, 69–76; J. Weingarten in CMS Beih. 3, 309; Wingerath, *Darstellung* 65 f. Subject and plant species: C. Davaras, *AEphem* 1986, 34–48. Headdress: M. C. Shaw in A. P. Chapin (ed.), *Χάρτες: Essays in Honor of Sara A. Immerwahr* (2004) 79 f. Style: E. Thomas in CMS Beih. 6, 309.

Bibliography: PM IV 501 f., 505 figs. 443, 448, suppl. pl. LIVj; Pendlebury, AC 171, fig. 29a; Matz, KMT pl. 53; C. Picard, RA 27, 1947/1, 84 f., fig. 1; A. Xenaki, KretChron 3, 1949, 79; Deonna, Symbolisme de l'acrobatie 24, 27, fig. 37; F. Davis, ILN 237 no. 6313, 30 July 1960, 194 illus.; Sakellariou, MS 65; Kenna, CS 118 no. 204, pls. 9, 23; idem, AAA 4, 1971, 128, 134, fig. 2:16; idem, Nestor 3, 1973, 829; Davis, Decipherment 240, fig. 223; Boardman, GGFR 100, 391 = 409, pl. 60, colour p. 39:13; Hood, Minoans 230, pl. 98; Sapouna-Sakellarakis, MZ 64 f., 79, no. 186, fig. 14, 112, 134; M. H. Wiencke, AJA 80, 1976, 430; Hood, APG 218 f., 228, fig. 231; Yule, ECS 45 (8b Cushions, hard stone), 120 f. (Index: Men 48), 169 (Index: Landscape elements 11), 221 (Temple Repository Mannerist), pl. 41:67; H. Hughes-Brock, Classical Review 97, N.S. 33, 1983, 88; J. G. Younger, Kadmos 16, 1977, 155 n. 74; Younger, Aegean Seals IV 63; Younger in Transition 59, pl. XIVt; Younger, Middle Phase 20, 125, 174, pl. 76 (Groups of Robed Priests, D); idem in CMS Beih. 5, 343; C. Davaras, AEphem 1986, 37 n. 155; R. B. Koehl, JHS 106, 1986, 101 n. 18; Walberg, Tradition and Innovation 112, fig. 134; Goodison, DWS 96, fig. 224b; A. Tamvaki in CMS Beih. 3, 260, fig. 2, 270 n. 113; D. Vanhove (ed.), L'Esport a la Grècia antiga: la gènesi de l'olimpisme, 12 de maig - 9 d'agost 1992 [Barcelona Olympics exhib. 1992] 187 no. 47; M. Bietak, ÄgLev 4, 1994, 50, fig. 17; (J. Aruz, ÄgLev 5, 1995, 37, fig. 18); L. Morgan, ÄgLev 7, 1997, 20, 25, fig. 10; J. Aruz in Cline - Harris-Cline, AegOr 302 n. 4; Wingerath, Darstellung 65 f., 213 n. 357; Otto, König Minos 277 f., fig. 103; E. Thomas in CMS Beih. 6, 309 n. 12; (S. G. Miller, Ancient Greek Athletics [2004] 21 f., fig. 23); Krzyszkowska, AS 15 n. 32, 82, 123, 154 n. 1, no. C26.



185/1938.957

Bronze

Cushion

L. 1.52, W. 1.25, Th. 0.5, Perf. 0.22

Somewhat worn. Small patches of green and of a red substance

Near Knossos; Knossos district [37] (PM II 243).

Cast bronze. The high, split stern of a boat with cross-hatched sail raised and stays to bow and stern perhaps indicated at its lower edge; the mast now mostly worn away. In the field above and below the stern a large C-hook with a curving line springing from it (Wedde, *Ship Imagery* 121 suggests a bird symbol). The engraving is very shallow.

Commentary: An unconventional depiction with some enigmatic features and no good parallels for the motif. Wachsmann questions the identification as a ship (*Seagoing Ships* 103). I. Pini, troubled by the unparalleled motif, questions identity as a Minoan seal (ut infra, 79 n. 20). Kenna suggests coloured metal decoration was intended; Younger suggests gold covering; Pini disagrees.

Comparanda: Bronze seals: cf. CMS I Suppl. No. 33; IV Nos. 167, 230; cushion seals V Nos. 298, 593; see lists, J. A. Sakellarakis in Cahn – Simon, *Tainia* 2 and I. Pini, *Creta Antica* 6, 2005, 59–74.

Bibliography: PM II 243, fig. 140; S. Marinatos, *BCH* 57, 1933, 177 no. 41, 191, pl. XV; L. Cohen, *AJA* 42, 1938, 487; Kenna, *CS* 122 no. 228, pl. 9, 44 n. 5; idem, *MarbWPr* 1968, 1–4, fig. 1; idem, *Nestor* 3, 1973, 829; R. J. Buck, *Historia* 11, 1962, 134 n. 36; Schachermeier, *MK* 205f., 209, fig. 118; Boardman, *GGFR* 391 = 409; Casson, *Ships* fig. 26, 40; A. Tamvaki, *BSA* 69, 1974, 260; Buchholz – Karageorghis, *PrehGrCy* 115 no. 1389, fig. 39; Gray, *ArchHom G*, 17 no. B26, fig. 8d; C. Davaras, *Guide to Cretan Antiquities* (1976) 288, fig. 164; S. C. Humphreys, *Classical Philology* 72, 1977, 349; J. A. Sakellarakis in Cahn – Simon, *Tainia* 2; Basch, *Musée imaginaire* 103, fig. F1; Younger, *Iconography* 222; Younger, *Middle Phase* 58; Wachsmann, *Seagoing Ships* 101, fig. 6:31, 103; Wedde, *Ship Imagery* 346 no. 961. On manufacture: J. G. Younger, *BSA* 79, 1974, 266 (originally covered with gold, as 182?); I. Pini, *Creta Antica* 6, 2005, 68 no. 46, 79, 82 f., pl. IV:17.



1 Nr. 7



2 Nr. 9



3 Nr. 45a



4 Nr. 97c



5 Nr. 92c



6 Nr. 133













































7 Nr. 172





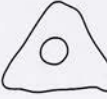







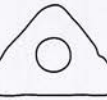










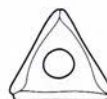








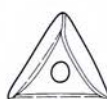


8 Nr. 180




























TABLES OF PROFILES

The profiles in the following tables are all produced to the same size for technical reasons. The perforations are shown schematically without indicating any breaks or wear marks. Discoids, cushions, amygdaloids and lentoids are shown with the engraved face on the right.








 26	 27	 28	 29	 30	 31	 32
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 61	 62	 63	 64	 65	 66	 67

 68	 69	 70	 71	 72	 73	 74
 75	 76	 77	 78	 79	 80	 81
 82	 83	 84	 85	 86	 87	 88
 89	 90	 91	 92	 93	 94	 95
 96	 97	 98	 99	 Add.2		












DISCOIDS

						
13	15	152	153	154	155	156
						
157	158	159	160	161	162	163
						
164	166	168	169	170	171	173
						
174	220	483	503	504	505	






















CUSHIONS

						
176	177	178	179	180	181	182











































CUSHIONS

 183	 184	 185	 186	 217	 228	 239
 250	 369	 406	 451			

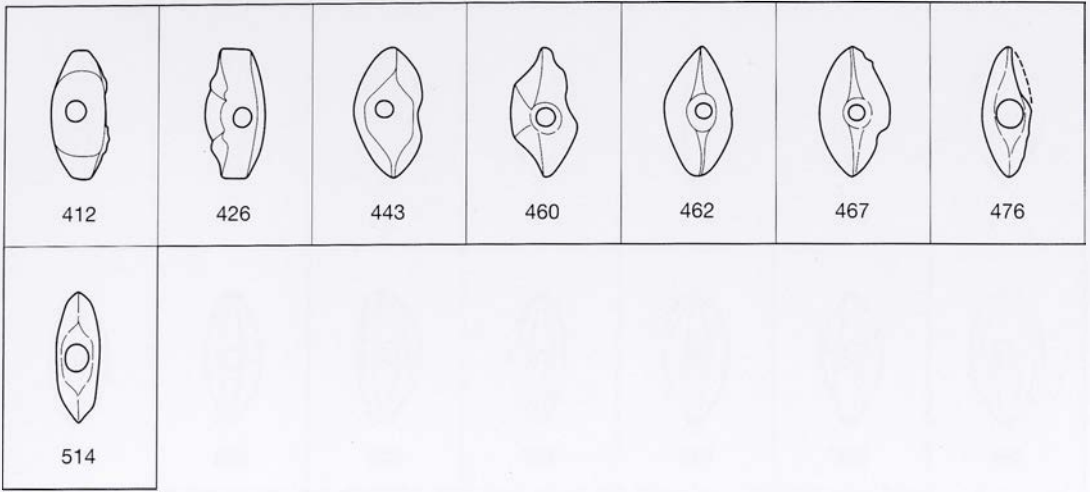
AMYGDALOIDS

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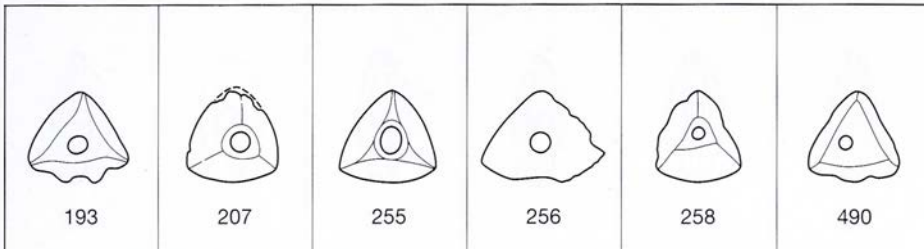
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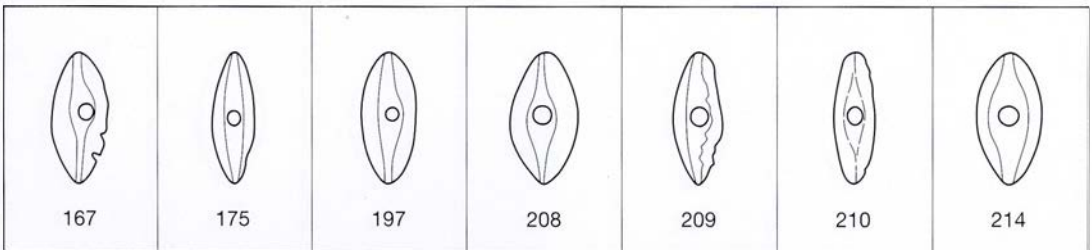
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LB PRISMS













































LENTOIDS







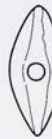

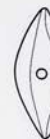






























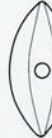


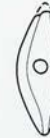

LENTOIDS

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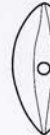

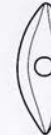






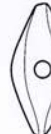
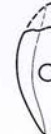



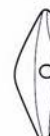


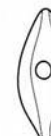


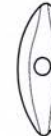
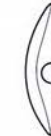






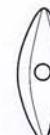

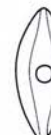
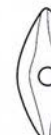
LENTOIDS

						
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354	355	356	357	358	359	360









































LENTOIDS

 361	 362	 365	 366	 367	 370	 372
 374	 375	 376	 377	 378	 379	 380
 381	 382	 383	 384	 385	 386	 387
 388	 389	 390	 391	 392	 393	 394
 395	 396	 397	 398	 399	 401	 402
 403	 404	 405	 407	 408	 409	 410

LENTOIDS

						
411	413	415	416	418	419	420
						
421	422	424	425	427	428	429
						
430	432	433	434	435	436	437
						
438	439	440	441	442	444	445
						
446	447	448	449	450	452	453
						
454	455	456	457	458	459	461

LENTOIDS

						
463	464	465	466	468	469	470
						
471	473	474	475	477	478	479
						
480	481	482	484	485	486	487
						
488	489	491	492	493	494	496
						
497	498	499	500	501	502	506
						
508	509	512	513	Add.1		

MAP

CRETE



CMS VI Find-places and places of acquisition from East to West

- | | |
|-----------------------------------|--------------------------------------|
| 1 Palaikastro | 25 Phourni (near Dreros) |
| 2 Langádha | 26 Neápolis (near Papoúra) |
| 3 Epáno Zákros | 27 Mílatos |
| 4 Karýdhi Siteias | 28 Psychró Cave (Dictaeon Cave) |
| 5 Sta Límnia, Sto Dhásos | 29 Papoúra, Hágios Geórgios |
| 6 Zíros | 30 Mállia |
| 7 Arménoi Siteias | 31 Avdhoú |
| 8 Chandrás | 32 Lýttos |
| 9 Praisos | 33 Xidhás (Lytos) |
| 10 Néa Praisós (formerly Vavéloi) | 34 Kastéli Pediádhas |
| 11 Sykiá | 35 Chersónesos |
| 12 Azáli | 36 Góurnes |
| 13 Tourlotí | 37 Knossos (including Zafer Papoura) |
| 14a Spháka | 38 Makryteíchos |
| 14b Spháka or Sphakiá | 39 Herákleion |
| 14c Spháka or Sphakia | 40 Archánes |
| 15 Kedrí | 41 Hagía Pelagía |
| 16 Hierápetra | 42 Rotási (Rhytion) |
| 17 Kalamávka | 43 Gortyn |
| 18 Karýdhi Hierapétras | 44 Hágios Onoúphrios |
| 19 Árvi | 45 Sybrita |
| 20 Kaló Chorió (Istron) | 46 Patsós 'Cave' |
| 21 Kritsá | 47 Argyroúpoli (Láppa) |
| 22 Goulás (Lato) | 48 Kournás |
| 23 Lak(k)ónia | 49 Chaniá (Kydonia) |
| 24 Eloúnda (Olous) | 50 Polyrrhénion |

CMS VI Find-places and places of acquisition in alphabetical order

- | | |
|---------------------------------|-----------------------------------|
| Archánes 40 | Kritsá 21 |
| Argyroúpoli (Lappa) 47 | Lak(k)ónia 23 |
| Arménoi Siteias 7 | Langádha 2 |
| Arvi 19 | Lytos 32 |
| Avdhoú 31 | Makryteíchos 38 |
| Azáli 12 | Mállia 30 |
| Chandrás 8 | Mílatos 27 |
| Chaniá (Kydonia) 49 | Néa Praisós (formerly Vavéloi) 10 |
| Chersónesos 35 | Neápolis 26 |
| Dictaeon Cave (Psychró Cave) 28 | Palaikastro 1 |
| Eloúnda (Olous) 24 | Papoúra, Hágios Geórgios 29 |
| Epáno Zákros 3 | Patsós 'Cave' 46 |
| Gortyn 43 | Phourni (near Dreros) 25 |
| Goulás (Lato) 22 | Polyrrhenion 50 |
| Góurnes 36 | Praisos 9 |
| Hagía Pelagía 41 | Psychró Cave (Dictaeon Cave) 28 |
| Hágios Onoúphrios 44 | Rotási (Rhytion) 42 |
| Herakleion 39 | Spháka 14a |
| Hierápetra 16 | Spháka or Sphakia 14b |
| Kalamávka 17 | Spháka or Sphakia 14c |
| Kaló Chorió (Istron) 20 | Sta Límnia, Sto Dhásos 5 |
| Karýdhi Hierapétras 18 | Sybrita 45 |
| Karýdhi Siteias 4 | Sykiá 11 |
| Kastéli Pediádhas 34 | Tourlotí 13 |
| Kedrí 15 | Xidhás (Lytos) 33 |
| Knossos and Zafer Papoura 37 | Zafer Papoura, Knossos 37 |
| Kournás 48 | Zíros 6 |

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