



ATHENS STUDIES IN AEGEAN SCRIPTS AND ADMINISTRATIONS  
(REINFORCING ARCHAEOLOGY-MINDED EPIGRAPHY)

ASASA(RAME) 1

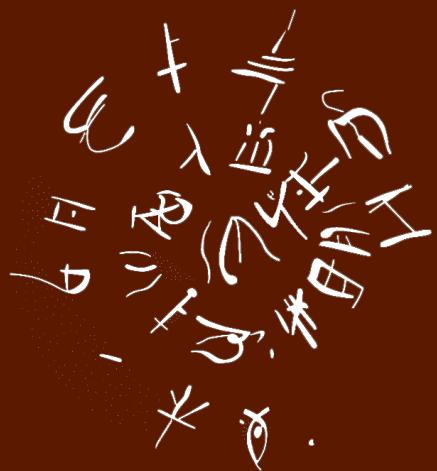
# THE WOR(L)DS OF LINEAR A

INTERDISCIPLINARY APPROACHES

TO DOCUMENTS AND INSCRIPTIONS

OF A CRETAN BRONZE AGE SCRIPT

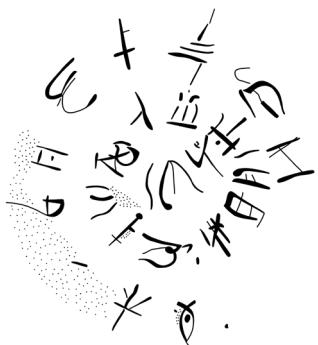
Edited by Ester Salgarella and Vassilis Petrakis





THE WOR(L)DS OF LINEAR A  
INTERDISCIPLINARY APPROACHES  
TO DOCUMENTS AND INSCRIPTIONS  
OF A CRETAN BRONZE AGE SCRIPT

Edited by Ester Salgarella and Vassilis Petrakis



AURA SUPPLEMENT 15  
ΣΕΙΡΑ ΜΟΝΟΓΡΑΦΙΩΝ AURA 15

ASASA(RAME) 1

ATHENS  
UNIVERSITY  
REVIEW OF  
ARCHAEOLOGY

ATHENS STUDIES IN AEGEAN SCRIPTS  
AND ADMINISTRATIONS  
(REINFORCING ARCHAEOLOGY-  
MINDED EPIGRAPHY)

Cover Photo: Drawing of the inscription on KN Zc 6 (image after SigLA: <https://www.inscribercproject.com/SigLA/document/KN%20Zc%206/>, with further processing).

The ASASA(RAME) logo has been drawn and composed by Vassilis Petrakis, based on the the following sources: the central 'eye' is based on CH 005 in the MinosSigns01 type font; drawings of individual signs are based on the following actual attestations (left to right: CH 042 on **CHIC #313.a**; CH 019 on **CHIC #030.a**; AB 31 on **KH 10.3**; AB 60 <ra> on **KN Np(1) 85** assigned to Hand 124-E; AB 13 <me> freely drawn in approximation to the style of Pylos Hand 1.

The typesetting and copy-editing of the present volume was produced with the financial support of the Psycha Foundation.

ISSN: 2732-9267 (printed edition)

ISSN: 2732-9275 (digital edition)

ISBN: (printed edition): 978-618-5740-13-9

ISBN: (digital edition): 978-618-5740-14-6



ATHENS STUDIES IN AEGEAN SCRIPTS AND ADMINISTRATIONS  
(REINFORCING ARCHAEOLOGY-MINDED EPIGRAPHY)

ASASA(RAME) 1

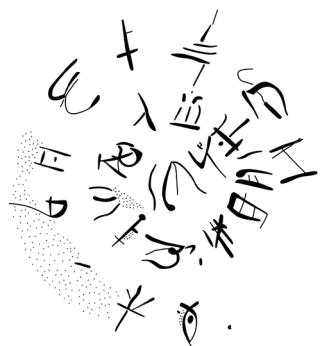
# THE WOR(L)DS OF LINEAR A

INTERDISCIPLINARY APPROACHES

TO DOCUMENTS AND INSCRIPTIONS

OF A CRETAN BRONZE AGE SCRIPT

Edited by Ester Salgarella and Vassilis Petrakis



ATHENS 2025

## AURA SUPPLEMENT 15 • ΣΕΙΡΑ ΜΟΝΟΓΡΑΦΙΩΝ AURA 15

### EDITORS • ΕΚΔΟΤΙΚΗ ΕΠΙΤΡΟΠΗ

Konstantinos Kopanias • Yiannis Papadatos

### EDITORIAL ADVISORY BOARD • ΣΥΜΒΟΥΛΕΥΤΙΚΗ ΕΚΔΟΤΙΚΗ ΕΠΙΤΡΟΠΗ

Georgios Vavouranakis • Yannis Galanakis • Georgia Kourtessi-Philippakis

Eleni Mantzourani • Christos Doumas • Diamantis Panagiotopoulos

Eleftherios Platon • Naya Polychronakou-Sgouritsa • Arnulf Hausleiter

Panagiotis Kousoulis • James Osborne • Chrysanthos Kanelopoulos

Pavlina Karanastasi • Stylianos Katakos • Eurydice Kefalidou

Georgia Kokkorou-Alevras • Antonis Kotsonas • Nota Kourou

Vasileios Lamprinoudakis • Dimitrios Bosnakis • Olga Palagia

Lydia Palaiokrassa • Eleftheria Papoutsaki-Serbeti • Dimitris Plantzos

Eva Simantoni-Bournia • Katja Sporn • Theodosia Stefanidou-Tiveriou

Michael Tiverios • Sophia Kalopissi-Verti • Georgios Pallis • Platon Petridis

Andreas Rhoby • Peter Dent • Panagiotis Ioannou • Theodora Markatou

Evgenios Matthiopoulos • Efthymia Mavromichali • Dimitris Pavlopoulos

Soultana-Maria Valamoti • Lilian Karali-Giannakopoulou • Vasileios Kylikoglou

Alexandra Livarda • Ioannis Basiakos • Sevi Triantaphyllou • Marlen Mouliou

Alexandra Bounia • Maria Oikonomou • Eleftheria Paliou •

Konstantinos Papadopoulos • Apostolos Sarris

### PROOFREADING & LAYOUT • ΤΥΠΟΓΡΑΦΙΚΗ ΕΠΙΜΕΛΕΙΑ & ΣΧΕΔΙΑΣΜΟΣ

Katerina Boukala-Karkagianni

## Editorial • Εκδοτικό Σημείωμα

---

The Athens University Review of Archaeology (AURA) is an international, peer-reviewed archaeological journal published by the Faculty of History and Archaeology of the National and Kapodistrian University of Athens. It is dedicated to the publication of original research articles and reports focusing on, or related to the archaeology, art and material culture in the broader Greek world, from the earliest Prehistory to the Modern Era.

Part of the AURA journal is the AURA Supplement series, comprising studies in Greek or English, which, due to their extent, cannot be published in the journal as articles. The series share the same areas of interest with the journal.

AURA is a fully open access journal. Each issue of the journal and each monograph is published electronically as a PDF file. All papers are available on the internet to all users immediately upon publication and free of charge, according to the Creative Commons (BY-NC-ND 4.0). AURA issues and monographs can also be distributed on a print-on-demand basis and posted or collected from the bookstore of the Kardamitsa Publications, 8 Ippokratous str, Athens.

Το Περιοδικό του Τομέα Αρχαιολογίας και Ιστορίας της Τέχνης (AURA) είναι ένα διεθνές περιοδικό με σύστημα διπλής ανώνυμης αξιολόγησης, το οποίο εκδίδεται από το Τμήμα Ιστορίας και Αρχαιολογίας του Εθνικού και Καποδιστριακού Πανεπιστημίου Αθηνών. Στόχος του είναι η δημοσίευση πρωτότυπων εργασιών που εστιάζουν στην αρχαιολογία, την τέχνη και τον υλικό πολιτισμό του ευρύτερου ελληνικού κόσμου, από την απώτερη προϊστορία έως και τη σύγχρονη εποχή.

Μέρος της έκδοσης του περιοδικού AURA αποτελεί η σειρά μονογραφιών με τίτλο «AURA Supplements». Περιλαμβάνει μελέτες στα ελληνικά ή στα αγγλικά, που λόγω της μεγάλης τους έκτασης δεν μπορούν να δημοσιευθούν με τη μορφή άρθρου στο περιοδικό. Η θεματολογία των μονογραφιών είναι ίδια με εκείνη του περιοδικού.

Το περιοδικό και η σειρά μονογραφιών είναι ελεύθερης και ανοικτής πρόσβασης. Τα τεύχη του περιοδικού και οι μονογραφίες δημοσιεύονται ηλεκτρονικά ως αρχεία PDF. Όλα τα άρθρα είναι δωρεάν διαθέσιμα για όλους στο διαδίκτυο αμέσως μετά τη δημοσίευσή τους και σύμφωνα με την άδεια Creative Commons (BY-NC-ND 4.0). Τα τεύχη του περιοδικού AURA και οι τόμοι της σειράς «AURA Supplements» μπορούν επίσης να εκτυπωθούν κατόπιν παραγγελίας και να αποσταλούν ταχυδρομικά ή να παραληφθούν από το βιβλιοπωλείο του Εκδοτικού Οίκου Καρδαμίτσα, Ιπποκράτους 8, Αθήνα.



# ATHENS STUDIES IN AEGEAN SCRIPTS AND ADMINISTRATIONS (REINFORCING ARCHAEOLOGY- MINDED EPIGRAPHY) • ASASA(*RAME*) 1

SERIES EDITOR • ΕΠΙΜΕΛΗΤΗΣ ΣΕΙΡΑΣ

Vassilis Petrakis (Athens)

EDITORIAL ADVISORY COMMITTEE • ΣΥΜΒΟΥΛΕΥΤΙΚΗ ΕΚΔΟΤΙΚΗ ΕΠΙΤΡΟΠΗ

Vassilis L. Aravantinos (Thiva) • John Bennet (Sheffield) • Fritz Blakolmer (Vienna)

Christos Boulotis (Athens) • Matilde Civitillo (Santa Maria Capua Vetere)

Maurizio Del Freo (Roma) • Oliver Dickinson (Durham)

Jan Driessen (Louvain-La-Neuve) • Yves Duhoux (Louvain-La-Neuve)

Yannis Galanakis (Cambridge) • Artemis Karnava (Rethymno)

John T. Killen (Cambridge) • Konstantinos Kopanias (Athens)

Eleni Mantzourani (Athens) • Joseph Maran (Heidelberg)

Torsten Meißner (Cambridge) • José L. Melena (Vitoria)

Anna Michailidou (Thessaloniki) • Dimitri Nakassis (Boulder, Colorado)

Marie-Louise Nosch (Copenhagen) • Thomas G. Palaima (Austin)

Diamantis Panagiotopoulos (Heidelberg) • Yiannis Papadatos (Athens)

Massimo Perna (Sassari) • Lefteris Platon (Athens)

Jeremy Rutter (Dartmouth) • Helena Tomas (Zagreb)

Carlos Varias Garcia (Barcelona) • Giorgos Vavouranakis (Athens)

## ASASA(RAME) • Editorial

---

It must be really true, as Pia de Fidio once perceptively observed, that interdisciplinarity is “part of the genetic code” of Mycenaean studies. From the earliest pioneering studies of Sir Arthur Evans, through the multifaceted approach which led to the monumental first 1956 edition of *Documents in Mycenaean Greek*, down to the increasing frequency of collaborative efforts among experts in archaeology, epigraphy, linguistics and textual interpretations in specialized articles, as well as edited works of synthesis, the integration of evidence from various fields has been part of the scope and aims of the study of Aegean Bronze Age texts and contexts.

John Chadwick’s famous definition, in his keynote address at the Salzburg Colloquium, of the ideal scholar of Aegean scripts as someone able to command bodies of evidence as distinct as epigraphy, linguistics, economic history and archaeology is becoming increasingly difficult to realise. Our era of hyper-specialization and our finite lives compel us to realize such an ideal primarily through collaborative symbiosis of the different fields.

The purpose of this symbiosis is to allow a realm of mutual understanding to emerge. Knowing everything is utopian; but knowing what (and whom) to ask, what to expect, as well as the basic working assumptions, implications and limitations of an adjacent discipline is (or can be made) feasible. Mutual awareness, rather than panoptic expertise, can give birth to new academic environments that are of seminal importance in any meaningful progress. Separate monologues by polymaths, rare and far between, can be replaced by open-ended dialogues among experts.

It is in this spirit that *Athens Studies in Aegean Scripts and Administrations (Reinforcing Archaeology-Minded Epigraphy)* has been conceived. The series aspires to be a vehicle for distributing the fruits of such symbiotic endeavours. The series is designed to accommodate monographs offering high-quality, unique and original insights into Aegean Bronze Age texts and their material carriers, including, of course, the Cypriot members of the same family of scripts. Once the name of the monograph series began to emerge, it almost spontaneously spawned the appropriate acronym, ASASA(RAME), a homage to Jean-Pierre Olivier.

ASASA(RAME) includes monographs or edited volumes, published immediately in open-access and always with the print-on-demand option. Published by the Department of History and Archaeology of the National and Kapodistrian University of Athens, it specifically targets original topics and productively provocative approaches related to the study and better understanding of Aegean inscriptions and the contexts of their production and use.

We welcome proposals from colleagues at any stage of their career, to fuel discussions and rethink the problems and questions that the close study of Aegean and related scripts generates. Systematic promotion of the inclusive spirit in which ASASA(RAME) is conceived may, in the future, lead to the consolidation of multiple bridges across disciplinary boundaries -the ultimate goal being, hopefully, a continuum of fields.

Vassilis Petrakis ≈ Βασίλης Πετράκης

## CONTACT • ΕΠΙΚΟΙΝΩΝΙΑ

National and Kapodistrian University of Athens, Department of History and Archaeology  
University Campus, GR-15784 Athens, Greece

Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών  
Φιλοσοφική Σχολή / Τμήμα Ιστορίας και Αρχαιολογίας  
Πανεπιστημιόπολη Ζωγράφου / Αθήνα 157 84

Website • Ιστοσελίδα <http://aura.arch.uoa.gr/>  
email: [aura@arch.uoa.gr](mailto:aura@arch.uoa.gr)

Proofreading & Layout • Τυπογραφική επιμέλεια & Σχεδιασμός: Katerina Boukala-Karkagianni ([kmpoukala@gmail.com](mailto:kmpoukala@gmail.com))

© Department of History and Archaeology, NKUA © Τμήμα Ιστορίας και Αρχαιολογίας, ΕΚΠΑ  
All papers in this volume are subjected to the Creative Commons CC BY-NC-ND 4.0 License  
(<https://creativecommons.org/licenses/by-ncnd/4.0/>).  
Όλα τα άρθρα αυτού του τόμου υπόκεινται στην άδεια χρήσης Creative Commons CC BY-NC-ND 4.0 (<https://creativecommons.org/licenses/by-nc-nd/4.0/deed.el>).

## TABLE OF CONTENTS

PREFACE .....	13
ACKNOWLEDGEMENTS .....	15
A NOTE ON JOHN YOUNGER'S ELECTRONIC RESOURCES ON LINEAR A .....	17
CHRONOLOGICAL TABLE AND ABBREVIATIONS .....	19
LIST OF CAPTIONS .....	21
INTRODUCTION	
0. VASSILIS PETRAKIS AND ESTER SALGARELLA Getting to know Linear A: An historiographic introduction .....	27
CONTRIBUTIONS	
1. MARIA ANASTASIADOU Names on roundels? The “special” case of Neo-Palatial roundels with incised numerals .....	35
2. BRENT DAVIS Recent linguistics-based advances in the study of Linear A .....	43
3. CASSANDRA DONNELLY Cycladic Linear A and connections between scripts .....	61
4. ROBERT HOGAN Creating a network graph from the Linear A tablets .....	77
5. CLELIA R. LAMONICA Digital approaches to interdisciplinary Minoan datasets and resources .....	95
6. MARIE-LOUISE NOSCH AND JÖRG WEILHARTNER The common thread: textiles and wool logograms in Linear A .....	115
7. ILSE SCHOEP The impact of the Minoan chronological framework on the study of Minoan and Mycenaean writing and sealing practices .....	137
8. EMILY TOUR Coded in clay: understanding the relationships between the Linear A, Cretan Hieroglyphic and Linear B administrative systems through the application of phylogenetics.....	151
CONCLUDING REMARKS	
9. VASSILIS PETRAKIS AND PHILIPPA M. STEELE The Wor(l)ds of Linear A: some concluding thoughts .....	167
BIBLIOGRAPHY .....	177



# PREFACE

*Wor(l)ds.*

*By words, worlds are created,*

*By worlds, words are given.*

*Thus we speak*

*Wor(l)ds without end.*

Yet, words are failing me now – failing to express in writing the joy of seeing this Volume out, with the multiplicity of worlds it contains. Each chapter, drawing its own world, takes us on a heuristic journey from cautious beginnings, through complex meanders of words, to enticing discoveries. This Volume stems from the Conference and round table titled *The Wor(l)ds of Linear A: An Integrated Approach to Linear A Documents and Script (a 2022 Assessment)*, held online on 24–26 May 2022, which I organized and convened during my time as Junior Research Fellow at St. John’s College, University of Cambridge. *The Wor(l)ds of Linear A* has been the first ever Conference solely and fully dedicated to investigating the Linear A script of “Minoan” Crete in all its kaleidoscopic aspects, thus proving unique in its character and of paramount importance for the advancement of this research area as an independent, yet intertwined, disciplinary subject.

The Conference, ambitious as it were, brought together for the first time well-established senior scholars and early-career researchers alike working on Linear A across a broad range of subject areas, with a view to assessing the current scholarly understanding of Linear A. The Conference was aimed at exploring a wide variety of aspects, relating (but by no means restricted) to: administrative and writing systems, linguistic analysis, palaeography and semasiography, pinacology and epigraphy, script origin and connections, the archaeological record and socio-historical settings of the inscribed artifacts. The theme itself invited an “integrated” dialogue between different disciplinary perspectives in order to elucidate the complex subject of Linear A research in the broadest possible sense, thus providing a most comprehensive overview of aims, problems and possible future lines of inquiry. Methodological considerations and interdisciplinary approaches were particularly welcomed, which fostered further interdisciplinary discussion and helped to develop new challenging theoretical frameworks for understanding the many intertwined facets of Linear A writing and administrative systems (*Words*), and the socio-cultural systems that produced the documents (*Worlds*). By pinpointing the analytical problems scholars currently face when investigating all aspects of the *Wor(l)ds* of Linear A and by outlining new promising pathways, the goal of the Conference, as well as the present publication, is to revive the distinctive character of Linear A research and thus to integrate at our best the different disciplinary perspectives in order to break free of often too restrictive disciplinary boundaries.

The wor(l)ds uttered and created in the context of the Conference have now materialized in this much longed-for publication, jointly edited by Ester Salgarella and Vassilis Petrakis. The updated title *The Wor(l)ds of Linear A: Integrated Approaches to Documents and Inscriptions of a Cretan Bronze Age Script* was chosen to better reflect the contents of the submitted contributions (esp. “materiality” of writing and text-based analyses), herein appearing as individual thematic chapters. Featuring as the first Volume of a new series dedicated to the study

of Aegean epigraphy, *Athens Studies in Aegean Scripts and Administrations (Reinforcing Archaeology-Minded Epigraphy)*, aptly acronymed ASASA(RAME), this work is hoped to pave the way to thriving and ever-growing research in this marvelous, as much as mysterious, multi-faceted disciplinary jewel.

I gratefully acknowledge AIAS – Aarhus Institute of Advanced Study (University of Aarhus, Denmark) and the Aarhus University Research Foundation (AUFF – Aarhus Universitets Forskningsfond) for supporting my academic research (as AIAS-AUFF Research Fellow) during the latest phases of editing *WoLA*.

Last but not the least, special thanks go to the Scientific Committee responsible for evaluating each contribution, that so kindly and willingly offered assistance in assessing the papers submitted for the virtual Conference: Matilde Civitillo (University of Campania), Brent Davis (University of Melbourne), Georgia Flouda (Hellenic Ministry of Culture and Sports), Barbara Montecchi (University of Bologna), Vassilis Petrakis (National and Kapodistrian University of Athens), Ilse Schoep (Katholieke Universiteit Leuven). To them all, to this Volume's brilliant contributors, to generous Vassilis, and to you dear passionate reader, go my most heartfelt thanks. And to all Cretans, of past, present and future: may your beloved Crete, with its rich history, live on until the End of Time.

Ester Salgarella

## ACKNOWLEDGEMENTS

The Editors of this volume wish to thank all participants who made *WoLA* possible and, most importantly, enjoyable: truly a κτῆμα ἐς αἰεί.

Special thanks go to the members of the Scientific Committee, who meticulously evaluated paper proposals ahead of the Conference, and offered their feedback so kindly and generously: Matilde Civitillo, Brent Davis, Georgia Flouda, Barbara Montecchi, Vassilis Petrakis, Ilse Schoep. Dr Ioannis Vardaxis provided additional advice that greatly aided the review process. We are in sincere debt to the volume's anonymous external expert reviewer, who offered constructive feedback after so meticulously evaluating the final manuscript of this publication.

This endeavor would never have seen the light of day without all the strenuous and passionate work of its contributors: all authors have been enthusiastic, proactive, hard-working and ever responsive to our comments (including critical ones). We are also extending our gratitude to those few of our esteemed colleagues who were not able, due to various reasons, to submit their papers for this Volume. Additionally, we wish to thank Maurizio Del Freo, Tom Palaima, Massimo Perna and Torsten Meißner for copies of their recent work that significantly aided the preparation of the introduction and the endpiece to this volume

As Editors, we are genuinely thankful to the general editors of *AURA*, Professor Yiannis Papadatos and Professor Kostas Kopanias for accepting and accommodating this publication, as well as the series it inaugurates, *ASASA(RAME)* within the umbrella of the *AURA* Supplement Series.

Ester Salgarella and Vassilis Petrakis



# A NOTE ON JOHN YOUNGER'S ELECTRONIC RESOURCES ON LINEAR A

To everyone seriously or more casually interested in Linear A specifically, or Aegean scripts in general, John Younger's electronic resources on Linear A have been a truly invaluable working tool. It had been part of the *habitus* of those working on the script to check <http://people.ku.edu/~jyoung/LinA/> often, in order to retrieve conventional phonetic transcriptions (based on the GORILA readings and the axiom (but well supported, see Steele and Meißner 2017) of the Linear B>A “homography/homophony”), as well as information drawn from an index/lexicon of Linear A texts and an extensive bibliography on the script and related topics.

To cut what could be a very long description full of praises and euphemisms short, John's Linear A page was a first-rate, continuously updated and highly user-friendly resource. It was only natural that such resources were hosted at webspace afforded by John's home institution, the University of Kansas, in a website at a secondary server hosted by the University. In early 2024, and sometime following John's retirement from KU (30 June 2019), the precious URLs became unavailable and “not found” messages turned up on the screens of those who wished to consult these resources. Hearts stopped and breaths were held in the little realm of Linear A studies. To us, as editors of a volume *focused on* Linear A, these were definitely worrying news, not least because many of the papers in the volume cited these very URLs. Repeated attempts over several weeks showed this to be a non-temporary problem.

On 25 April 2024, John used another electronic offspring of his, the Aegeanet discussion list, to inform interested Aegeanists about the fate of this material. The title of the message appeared almost Messianic: “Linear A lives on”. In this message, John plainly and succinctly confirmed the loss of the KU webspace. However, he assured that the material will be made available as downloadable PDF files from his personal Academia website. Not a sudden death then, but a rearrangement and transformation. One may entertain themselves in wondering if the fate of these resources might in fact echo the fate of the Linear A script itself. Since April 2024, as announced and promised by John, pertinent files have been uploaded to <https://kansas.academia.edu/JYounger>. In order to keep up with these developments, we had to eliminate the old unusable URLs from the texts of the papers, and replace them, whenever possible, with hyperlinks that the interested reader might in fact use.

Ester Salgarella and Vassilis Petrakis



# CHRONOLOGICAL TABLE AND ABBREVIATIONS

*Chronological Table:* Absolute and relative dating. Absolute dates are presented here in a simplified manner integrating Warren and Hankey 1989, 169, Table 3.1 and Shelmerdine 2008, 4–5, figures 1.1–1.2. Cultural phases follow Dickinson 1994. The reference to scripts in use in the right column purposefully simplifies the picture, accepting a strict distinction between Cretan Hieroglyphic and Linear A and omitting certain “aberrant” examples (e.g. Phaistos Disk, Arkalochori bronze axe).

Absolute Chronology (in years BCE) different sets of dates indicate divergences between low ( <i>left</i> ) and high ( <i>right</i> ) chronologies		Pottery Phase (full spelling and abbreviations commonly used)		Cultural phase	Scripts in use
2200–2000		Early Minoan III	EM III	Late Prepalatial Period	‘Archanae script’
2000–1900		Middle Minoan IA	MM IA		
1900–1800		Middle Minoan IB	MM IB		Cretan Hieroglyphic
1800–1700		Middle Minoan II	MM II	First Palace Period	Linear A
1700–1600		Middle Minoan III	MM III		Cretan Hieroglyphic
1600–1500	1700–1600	Late Minoan IA ≈ Late Helladic I	LM IA LH I	Second Palace Period	Linear A
1500–1450	1600–1450	Late Minoan IB ≈ Late Helladic IIA	LM IB LH IIA		Cretan Hieroglyphic
1450–1400		Late Minoan II ≈ Late Helladic IIB	LM II LH IIB		Linear B?
1400– 1370/1360		Late Minoan IIIA1 ≈ Late Helladic IIIA1	LM IIIA1 LH IIIA1	Third Palace Period (including Final Palatial/ Monopalatial and ‘Post-palatial’ periods)	Linear A (non-administrative, residual?)
1370/1360– 1320/1300		Late Minoan IIIA2 ≈ Late Helladic IIIA2	LM IIIA2 LH IIIA2		Linear B
1320/1300– 1190/1170		Late Minoan IIIB ≈ Late Helladic IIIB	LM IIIB LH IIIB		

## Chronological Abbreviations

- EM Early Minoan
- MM Middle Minoan
- LM Late Minoan
- LH Late Helladic (Mycenaean)
- MC Middle Cypriot
- LC Late Cypriot

## Creating a Network Graph from the Linear A Tablets

---

Robert Hogan

Independent Researcher  
ORCID ID: 0009-0004-1099-9118

### ABSTRACT

*This paper describes the construction of an interactive online network graph (<https://lineara.xyz/network/>) based on the Linear A tablets found in a number of Bronze Age sites on Crete. As a basis for the graph, it proposes a classification of the tablets according to the type of ‘transaction’ each tablet is interpreted as recording. This interpretation is based on the identification of a series of syntactical patterns and common structures based on these patterns that are shared by the tablets across sites. The paper describes the syntactical patterns and gives illustrated examples of each. It finally describes the process used to construct the interactive network graph and closes with some tentative observations on the insights the graph may provide to the viewer.*

### INTRODUCTION

The Linear A clay tablets found in a number of Bronze Age Cretan sites and, occasionally, outside the island (c. 1800–1450 BCE) are generally considered to reflect socio-economic activity in the sites in which they were found. It is often proposed that the tablets represent a preliminary stage in information gathering by palace officials that ultimately resulted in economic records recorded on perishable documents (e.g., Schoep 2002, 25; Tomas 2010a, 347). The focus of this study has been on a specific type of document (the clay page-shaped *tablet*), which is the dominant type of Linear A inscription in most sites dated to the end of the Neopalatial period, especially the phase known as Late Minoan IB (c. 1500–1450 BCE). Their portable form, extensive evidence of erasure and re-use, as well as the frequency of ligatured signs suggests that the use of the documents may have been stenographic in nature (Schoep 2002, 30) and that, rather than acting as a permanent record in their own right, the information contained by the tablets was later collated elsewhere.

There are many possible activities the tablets could record in an administrative context. Nearly all the tablets, regardless of site or find-spot, are concerned with the recording of quantities of commodities. The identification (through respective signs conventionally known as ‘ideograms’) of specific commodities such as wine, oil, grain and other products in the tablets runs along a spectrum ranging from wide consensus to tentative speculation (Palmer 1995). As the economic nature of these documents seems commonly accepted, we may tentatively identify each Linear A entry as the result of a ‘transaction’ involving specific agents (*presumably* individuals) and commodities, alongside other possible relevant administrative information.

What is less clear, and can generally only be reconstructed hypothetically (i.e., on the bases of explicitly mentioned assumptions) from the internal structure of the tablets themselves, is the nature of the ‘transactions’

the listed commodities were involved in. What we set out to do here is identify common patterns in the structure of the tablets and assign *hypothetical* ‘transaction’ types associated with each pattern, usually involving the movement of goods between two or more entities. We then use this classification to create a network graph (<https://lineara.xyz/network/>) that visualizes the movement of commodities between the entities across all classifiable tablets in the Linear A corpus. We consider our attempt at classification as provisional. The principal aim of this paper is to demonstrate how certain assumptions about the nature of the recorded ‘transactions’ can be used to construct a graphic representation of this material.

## CLASSIFYING THE TABLETS

In order to construct a network map from the Linear A tablets, we must first develop a basis on which to recognize ‘transactions’ between entities. To do this we take an approach similar to the classifications of the tablets developed by Ruth Palmer and Ilse Schoep (Palmer 1995; Schoep 2001; cf. also Montecchi 2010), but with an emphasis on identifying entities (human agents or place) as well as commodities (items or objects counted or measured) in the tablets and proposing classes of transactional relationships reflected by consistent structural patterns in the tablets. Our analysis identifies basic units that can be used independently but appearing also as components of other units to construct records of specific ‘transaction’ type. We find evidence that these constructions appear across a number of tablets and across a number of different sites, where these documents have been found.

### *“Entity Lists” and “Commodity Lists”*

The most basic syntactical pattern we find in the tablets is a list of entities (an “Entity List”) or commodities (a “Commodity List”). Here, the working assumption will be that sign-groups (which are commonly identified as sequences of phonograms denoting “words”) denote names of persons or places, while the so-called “ideograms” or “logograms” (signs used isolated and followed by numerals or fraction signs) represent commodities. The assumption is a working one (an axiom) and is here presented as a tool of heuristic value, aimed at constructing a provisional classification. Texts consisting of entries where the sign-groups (“words”) are followed by fractional signs or numbers will be named here “Entity Lists” (e.g., ZA 14, Fig. 4.1 and Table 4.1). In the same manner, any list consisting of “logograms” commonly identified as commodities (such as, for example, AB 131, interpreted as ‘wine’ and transliterated VIN in Linear B) and paired with a numeral as a “Commodity List”. These terms are closely corresponding to classifications of Linear A entries proposed by Ruth Palmer and Ilse Schoep: “Entity Lists” correspond to Palmer’s “Type B” or “Word+Number” entries, while “Commodity Lists” correspond to Palmer’s “Type A” or “Ideogram+Number” (Palmer 1995, 136; cf. Schoep 2002, 80).

Both “Commodity Lists” and “Entity Lists” are found in all the tablets we are discussing here, but some documents only include lists of entities or commodities. In most cases, “Entity List” tablets record whole numbers against the “Entities”, so for the purposes of our network map we interpret them as involving a ‘transaction’ regarding the movement *or* allocation of people between the administrative center and what we interpret as an entity “name” (i.e., the sign-group) specified in the inscription (for example, a person or place). In our presentation, we have also used the conventional phonetic values of Linear A-B homomorphy signs indicated in capital italicized letters (e.g., *ME-KI-DI* instead of AB 13-67-07). This decision aims at facilitating the presentation, and is not related to any assumption of homophony or the identification of the language represented by the Linear A script. In the case of homomorphy Linear A “logograms” (signs for commodities), their identification with the same commodities in Linear B signs is also provisionally accepted. Similarly, as a convention, Linear A signs will be transliterated with their orthographic Linear B values (see Steele and Meißner 2017 for justification). All transliterated signs will appear without *italics* in the Tables accompanying this paper.



Fig. 4.1: ZA 14 Transcription (facsimile drawing after GORILA 3).

Table 4.1: ZA 14 – a simple “Entity List”, possibly of named individuals.

Tablet Reading	Pattern
ME-KI-DI	1
QI <sup>c</sup> -*118	1
PU-NI-KA-*363	3
QA-TI-JU	8
KU-PI	1
TU-MI-TI-ZA-SE	45[
PA-NU-QE	2
JA-WI[	[

There are a reasonably large number of such entity lists, mostly in a fragmentary state: **HT 108**, **HT 146**, **HT 25a**, **HT 29**, **HT 3**, **HT 39**, **HT 63**, **HT 98a**, **HT 99b**, **PE 2**, **ZA 10a**, **ZA 14**, **ZA 20**, **ZA 4a**, **ZA 5b**, **ZA 7a**. There is a disproportionately high incidence of them from Zakros (six examples) compared to Hagia Triada (ten examples), if one considers these occurrences against the total number of tablets found at each site (thirty-three and c. 140 respectively).

It is less obvious how to treat tablet ‘transactions’ that consist solely of lists of commodities (“Commodity Lists”), i.e., lists that contain only ideograms commonly recognized as denoting commodities such as grain, oil, wine or livestock. There are however no clear examples of a tablet containing *exclusively* “Commodity Lists” (instead we find the form contained within “Transfer Lists” in the next section). Of the four examples we might classify as isolated “Commodity Lists”, two occur on documents of a relatively fragmentary state (**HT 24b**, **HT 127b**) and (since both documents are opisthographic) may be related to a text described on the other side of each tablet. **HT 130** contains a much damaged surface and an isolated commodity list of GRA (grain), NI (figs), and VIN (wine) at the lower third of the document, separated from the rest of the tablet by a horizontal line. This feature, listing the same commodities in the same order, is also found on **HT 27a** and **HT 89** (and possibly on the damaged **HT 110a**). In these three aforementioned cases, the same order of commodities is mentioned in the lower part of the tablet, following the “total” of other entries (in all cases indicated by the sign-group *KU-RO*, which is commonly agreed to have the meaning “total”, see Duhoux 2011). It is not clear what the function of the “Commodity Lists” is in relation to the rest of the text on these tablets. However, they constitute our only evidence of isolated “Commodity Lists” on the Linear A documentation.

### “Transfer List”

Commodity lists are by far most common, although not on their own, but as part of a larger syntactical structure we term a “Transfer List”. A “Transfer List” consists of a “Commodity List” (with a variety of ‘ideograms’

presumably representing commodities) as defined in the previous section, but this is preceded by an “Entity”, an assumed movement or ‘transaction’ involving commodities between two entities, one of whom is implicit (perhaps the administrative center itself) and another, which is ‘named’ explicitly in the text. This is the format termed “Mixed Commodities Tablet” by Schoep (2002, 81-87). There is often more than one instance of this “Transfer List” structure on a single tablet. A common feature of these lists is that the “Entity is coupled with a “transaction sign” that may indicate to the scribe some additional feature of the transaction. For the purposes of constructing our network map our working hypothesis is that “Transfer Lists” are recording a ‘transaction’ in the listed commodities between the relevant administrative center and the entity named in the list.



Fig. 4.2: HT 121 (facsimile drawing after GORILA 1).

Table 4.2: HT 121 – two “Transfer Lists” from the Haghia Triada administrative center: One of a quantity of oil product to KI-RI-TA<sub>2</sub> and another of mixed commodities to SA-RA<sub>2</sub>.

Tablet Reading	Pattern Level 1	Pattern Level 2
KI-RI-TA <sub>2</sub>	Entity	Transfer List
OLE+QE+DI	10	Commodity Entry
SA-RA <sub>2</sub>	Entity	Transfer List
GRA	5	Commodity Entries
OLE	4	
NI	2	
VIN	3	
*23 <sup>m</sup>	3	

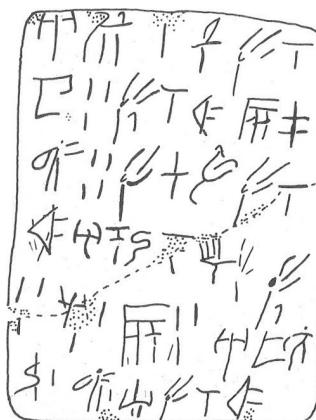


Fig. 4.3: KH 11 (facsimile drawing after GORILA 3).

Table 4.3: **KH 11** – three “Transfer Lists” from the Khania administrative center, each of mixed commodities to *A-DU*, *A-TO-\*349-TO-I*, and *A-TA-\*350* respectively. Fractional values are as suggested by Corazza et al. (2021).

Tablet Reading	Pattern Level 1	Pattern Level 2
<i>A-DU</i>	Entity	
[•]-ZA	Transaction Sign	
CYP	K (1/10)	Commodity List
SU	3	
CYP+E	K L2 (3/20)	
VIN	A (1/24?)	
*306	4	
CYP	B (1/5)	
*348 CYP	K L2(3/20)	
<i>A-TO-*349-TO-I</i>	Entity	Transfer List
CYP+E	3	Commodity List
NI	1	
VIN	3	
<i>A-TA-*350</i>	Entity	Transfer List
*301	1	Commodity List
*306	1	
SI CYP	K L2 (3/20)	

A potential member of this group is **KH 5**, perhaps recording the same transfer to multiple entities: the same quantities of *CYP+E* and *VINb+WI* with each of *A-DA-KI-SA-KA*, *A-RA-U-DA*, and *WI-SA-SA-NE-E*. The rest of the tablet could then consist of two “Transfer Lists”, one of an unspecified quantity of \*301-NA with *WI-NA-DU*, and quantities of *CYP* and *NI* to *KU-RA-ZU*.

The tablets we classify in this group include: **ARKH 3a**, **ARKH 3b**, **ARKH 5**, **HT 100**, **HT 101**, **HT 105**, **HT 106**, **HT 108**, **HT 116b**, **HT 12**, **HT 121** (Fig. 4.2 and Table 4.2), **HT 123+124a**, **HT 125a**, **HT 125b**, **HT 129**, **HT 131a**, **HT 131b**, **HT 132**, **HT 133**, **HT 14**, **HT 18**, **HT 2**, **HT 21**, **HT 23a**, **HT 23b**, **HT 24a**, **HT 27b**, **HT 30**, **HT 32**, **HT 36**, **HT 40**, **HT 42+59**, **HT 44a**, **HT 58**, **HT 91**, **HT 92**, **HT 94a**, **KH 11** (Fig. 4.3 and Table 4.3), **KH 4**, **KH 7a**, **KH 7b**, **KH 9**, **KNZb 35**, **TY 3a**, **TY 3b**, **ZA 15b**, **ZA 1a**, **ZA 6a**, **ZA 6b**, **ZA 9**.

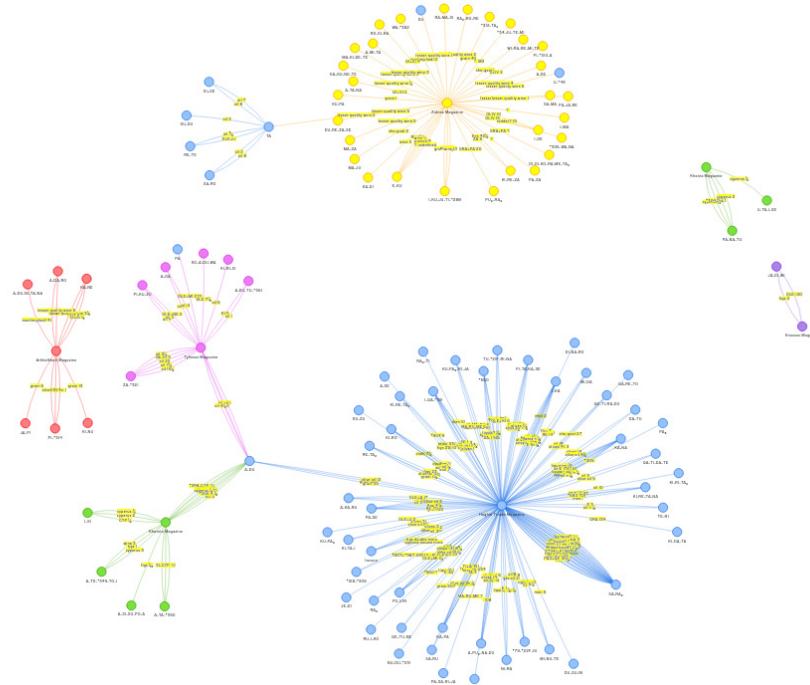


Fig. 4.4: “Transfer Lists” visualized (<https://lineara.xyz/network/?search=%22Transfer%20List%22>).

### *Single-Commodity Transfer List*

We find a more complex composition of a single-entry Commodity List and “Entity List” (together with a Named Entity and a ‘transaction’ Sign) used in a number of tablets in Haghia Triada. We propose that this structure is used to record the transfer of a single commodity to one or more entities from the administrative center.

In **HT 8a** for example (**Fig. 4.5** and **Table 4.4**) we read a transfer of **OLE+KI** from the administrative center to seven different entities, beginning with **JE-DI**. The commodity being transferred is only named once in the tablet, so remains implicit when the amounts are recorded against the remaining entities.



Fig. 4.5: HT 8a (facsimile drawing after GORILA 1).

Table 4.4: **HT 8a** – a transfer list of various quantities of the oil product **OLE+KI** between the administrative center and seven named entities.

Tablet Reading		Pattern Level 1	Pattern Level 2
JE-DI		Entity	Single-Commodity Transfer List
OLE+KI	10	Commodity List	
*56-KA-RA-TI	1½	Entity List	
PA	3 ½		
TE-*301	2		
QA-*310-I	¾		
SI-KI-RA	¼		
KI-RE-TA-NA	½		

**HT 19** (**Fig. 4.6** and **Table 4.5**) has a similar structure to **HT 8a**, but with the addition of a “transaction sign”, denoting some feature of the ‘transaction’ of interest to the scribe.

Table 4.5: **HT 19** – a transfer list of wine (**VIN**) between the administrative center and the three named entities: **RA-\*164-TI**, **SA-RO**, and **DU-ME-DI**.

Tablet Reading		Pattern Level 1	Pattern Level 2
RA-*164-TI		Entity	Single-Commodity Transfer List
, TE,		Transaction Sign	
VIN	30	Commodity List	
SA-RO	5½	Entity List	
DU-ME-DI	43½		

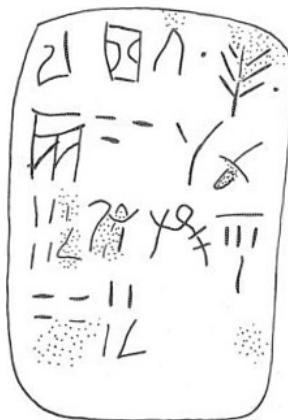


Fig. 4.6: HT 19 (facsimile drawing after GORILA 1).

The tablets we classify in this group are: HT 8a, HT 17, HT 19, HT 89, HT 97a, HT 103, HT 110a, KH 88.

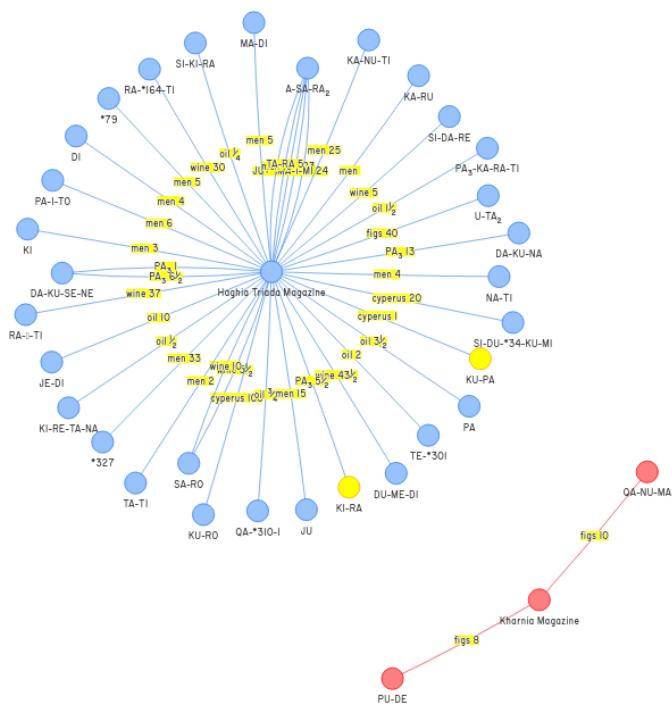


Fig. 4.7: Single commodity transfer lists visualized ([https://lineara.xyz//network/?search=\[“Single-Commodity%20Transfer%20List”\]](https://lineara.xyz//network/?search=[\)).

### *Multiple-Commodity Inter-Entity Transfer List*

This structure builds on the “Transfer List” by pre-pending an additional entity to the “Transfer List” structure. We assume that in this case the tablet is recording a ‘transaction’ between two third parties rather than a transfer of the same amount of goods between the administrative center and two distinct entities. Our basis for this preference is subjective: it will allow the graph we construct to explore the potential for relationships between entities rather than just with the administrative center. As with the Transfer List, this pattern can also accommodate the use of ‘transaction’ signs in its heading.

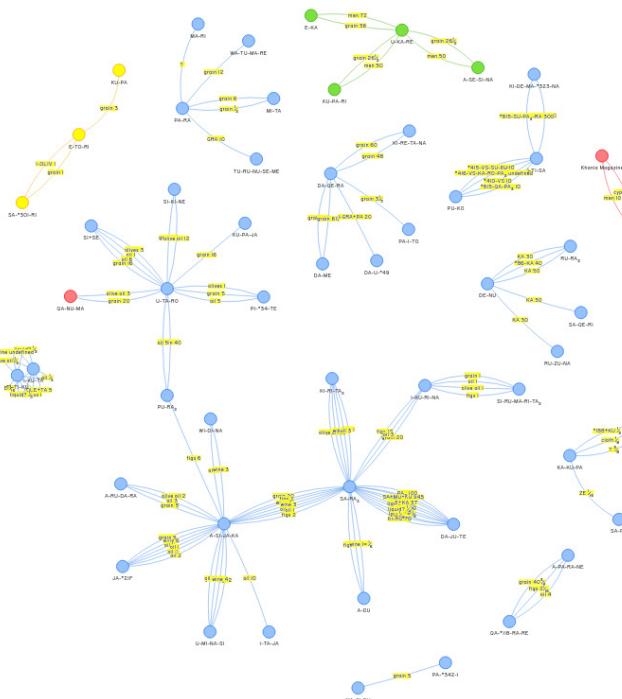


Fig. 4.8: HT 114a (facsimile drawing after GORILA 1).

Table 4.6: HT 114a – a transfer list of multiple commodities between KI-RI-TA<sub>2</sub> and SA-RA<sub>2</sub>.

Tablet Reading	Pattern Level 1	Pattern Level 2	Pattern Level 3
KI-RI-TA <sub>2</sub>	Entity	Entity	Multiple-Commodity Inter-Entity Transfer List
SA-RA <sub>2</sub>	Entity	Transfer List	
GRA	10		
OLE	7		
NI	1		
VIN	1		
* <sub>23</sub> <sup>m</sup>	3		

The tablets we classify in this group are: HT 114a (Fig. 4.8 and Table 4.6), HT 116a, HT 11b, HT 120, HT 125b, HT 128a, HT 16, HT 20, HT 28a, HT 28b, HT 31, HT 33, HT 34, HT 35, HT 43, HT 90, HT 91, HT 96b, HT 99a, KH 7a, PE 1, ZA 11a, ZA 11b.

Fig. 4.9: Network diagram visualizing the relationships between entities included in the multiple-commodity group.  
(<https://lineara.xyz/network/?search=%22Multiple-Commodity%20Inter-Entity%20Transfer%20List%22>):

### *Single-Commodity Inter-Entity Transfer List*

This is a syntactical pattern built on the “Entity List” pattern rather than the “Commodity List”. It displays the same basic combinatorial pattern as the “Transfer List” of a named entity, but with an “Entity List” instead of a “Commodity List”. As with the other structures we have so far encountered it accommodates the use of a ‘transaction’ sign in the headwords. For the purposes of our network map, we propose that this type of list is recording a movement of some sort between the entity named in the head words and the entities named in the list. In a common form of the pattern there is no indication of the commodity that is being transferred between the entities.

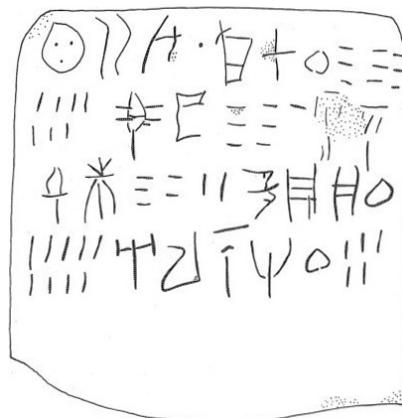


Fig. 4.10: HT 1 Transcription (facsimile drawing after GORILA 1).

Table 4.7: HT 1 – a transfer of an unspecified commodity between QE-RA<sub>2</sub>-U and five named entities.

Tablet Reading		Pattern Level 1	Pattern Level 2
QE-RA <sub>2</sub> -U		Entity	Single-Commodity Inter-Entity Transfer
KI-RO	197	Entity List	
ZU-SU	70		List
DI-DI-ZA-KE	52		
KU-PA <sub>3</sub> -NU	109		
A-RA-NA-RE	105		

The tablets we classify in this group are: HT 1 (Fig. 4.10 and Table 4.7), HT 104, HT 10a, HT 10b, HT 117a, HT 122a, HT 123+124b, HT 126a, HT 15, HT 20, HT 26a, HT 85b, HT 88, HT 94b, HT 95b, HT 9b.

There is a distinct variation in the pattern that accommodates a commodity in the head words. In such cases we hypothesize that the tablet is recording the movement of this named commodity.



Fig. 4.11: HT 13 (facsimile drawing after GORILA 1).

Table 4.8: HT 13 – a transfer of wine between KA-U-DE-TA and six named entities. KU-RO is assumed to represent “total”.

Tablet Reading	Pattern Level 1	Pattern Level 2
KA-U-DE-TA	Entity	Single-Commodity Inter-Entity Transfer
VIN	Commodity	List
, TE,	Transaction Sign	
RE-ZA	5 [ ] $\frac{1}{2}$ [	Entity List
TE-TU	56	
TE-KI	27 $\frac{1}{2}$	
KU-ZU-NI	18	
DA-SI-*118	19	
I-DU-NE-SI	5	
KU-RO	130 $\frac{1}{2}$	

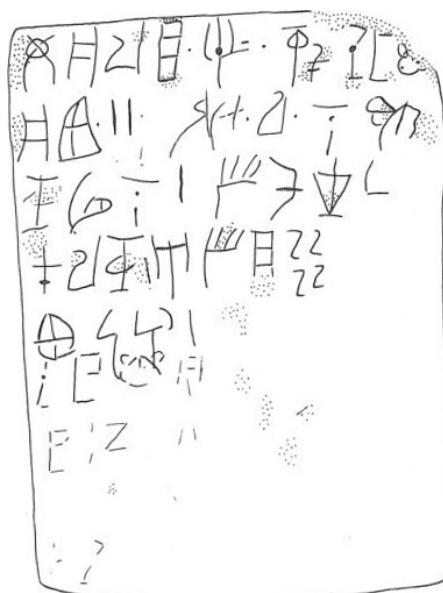
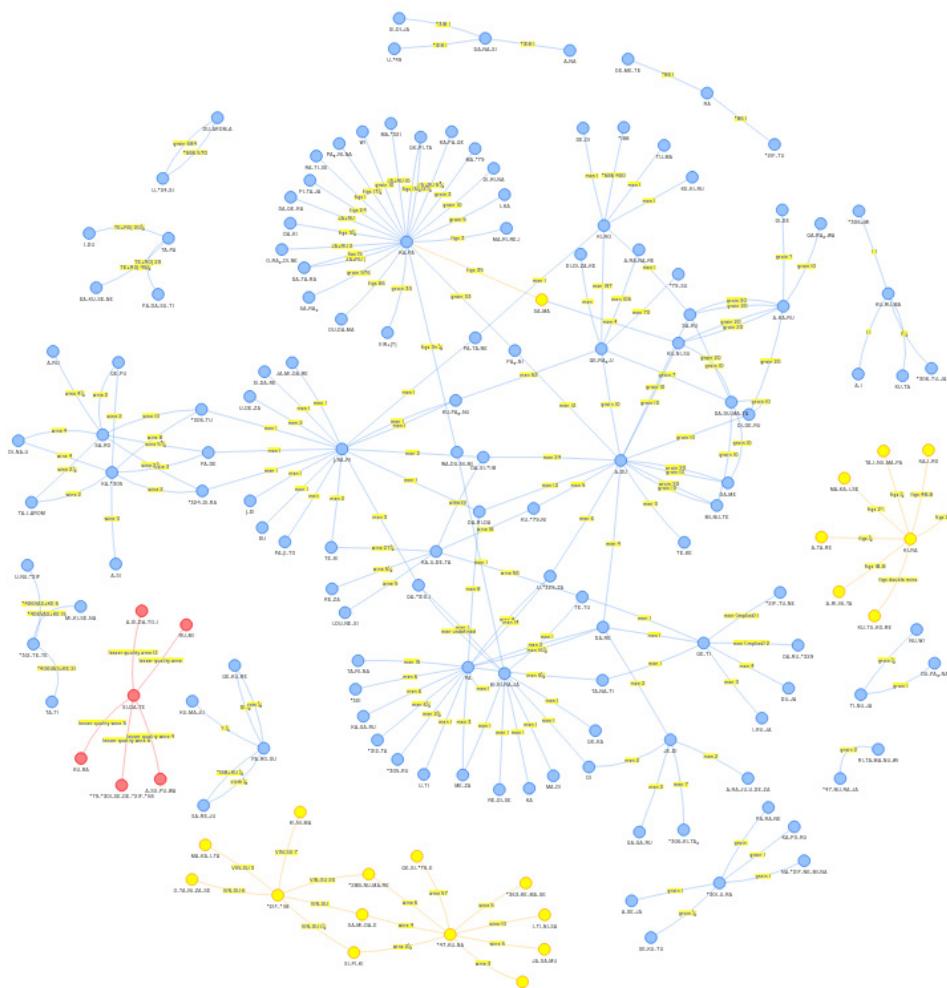


Fig. 4.12: HT 115a Transcription (facsimile drawing after GORILA 1).

Table 4.9: HT 115a – two transfers of quantities of GRA \*22<sup>m</sup>. The first between \*47-NU-RA-JA and RI-TA-MA-NU-WI. The second between \*301-U-RA and seven named entities. The fractions given are as suggested by Corazza et al. (2020).

<b>Tablet Reading</b>		<b>Pattern Level 1</b>	<b>Pattern Level 2</b>
*47-NU-RA-JA		Entity	Single-Commodity Inter-Entity Transfer
, I,		Transaction Sign	List
GRA *22 <sup>m</sup>		Commodity	
RI-TA-MA-NU-WI	2	Entity List	
*301-U-RA		Entity	Single-Commodity Inter-Entity Transfer
NA-*21 <sup>f</sup> -NE-MI-NA	1	Entity List	List
SE-KU-TU	1/2		
PA-RA-NE	1		
A-SE-JA	2/3		
KA-PO-RU	1		
RI-SU-MA[	[ ]		
SU	2 1/6[		

The tablets we classify in this group are: ARKH 2, HT 13 (Fig. 4.11 and Table 4.8), HT 102, HT 115a (Fig. 4.12 and Table 4.9), HT 115b, HT 122b, HT 26a, HT 6a, HT 6b, HT 7a, HT 7b, HT 85a, HT 86a, HT 86b, HT 95a, HT 9a, ZA 10b, ZA 15a, ZA 5a, ZA 8.



**Fig. 4.13:** Network diagram visualizing the relationships between entities included in the single-commodity group (<https://lineara.xyz/network/?search=%22Single%20Unnamed%20Commodity%20Inter-Entity%20Transfer%20List%22,%22Single%20Named%20Commodity%20Inter-Entity%20Transfer%20List%22>).

### *Complex Structures*

Tablets in this group display sufficient complexity to resist easy classification under any of our previous headings. This may be due to a difference in concerns from already classified tablets and for that reason we will treat each of them individually here.

**HT 87** and **HT 117a** may list people by name and not reflect any ‘transaction’ function. In both cases the tablet contain “Entity Lists” with whole numbers assigned, preceded by multiple head word. **HT 88 (Fig. 4.14 and Table 4.10)** contains a Single-Commodity Transfer list, a Commodity combined with an Entity List, and a Single-Commodity Inter-Entity Transfer List.

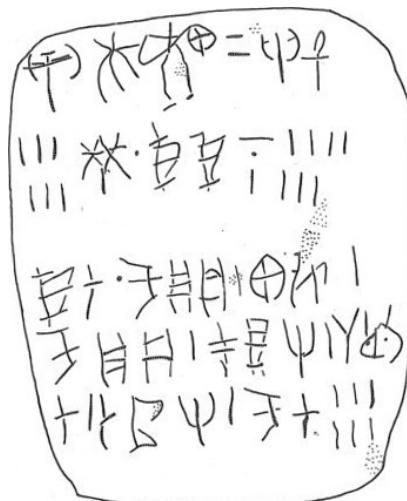


Fig. 4.14: HT 88 (facsimile drawing after GORILA 1).

Table 4.10: HT 88.

Tablet Reading	Pattern Level 1	Pattern Level 2
A-DU	Entity	Single-Commodity Transfer list
vIR+KA	20	Commodity List
RE-ZA	6	Entity List
NI , KI-KI-NA	7	Commodity
KI-RO		Transfer List (?)
KU-PA <sub>3</sub> -PA <sub>3</sub>	1	Entity
KA-JU	1	Entity List
KU-PA <sub>3</sub> -NU	1	
PA-JA-RE	1	
SA-MA-RO	1	
DA-TA-RE	1	
KU-RO	6	

We see a similar structure to “NI KI-KI-NA 7” in **HT 15**: “\*188 , KI-RO 400”. Since it is not common, it may be a variation on the “Transfer List”, e.g., “KI-KI-NA , NI 7”. Also in **HT 103**. **HT 96a** contains 4 head words. If the first three are to be considered separately, then the text from SI-MI-TA to the dividing line may be read as a Single Commodity Transfer List. TY 2 may be a list of commodities or entities (commodities seems more likely). If the entries beginning with \*309 are indeed commodities, then the tablet consists of a Commodity List followed by a Transfer List (with PA-DA-RU).

The following tablets are too fragmentary to permit classification: ARKH 4b, HT 110b, HT 137, HT 139, HT 140, HT 154a, HT 25b, HT 26b, HT 27a, HT 3, HT 38, HT 45b, HT 49a, HT 50a, HT 51a, HT 60, HT 62+73, HT 69, HT 82, HTZd 157+156, KH 12, KH 15, KH 21, KH 25, KH 26, KH 54, KH 55, KH 58, KH 6,

**KH 60, KH 61, KH 63, KH 73, KH 75, KH 76, KH 8, KH 84, KH 91, KN 2, KN 28a, MA 4a, MA 6a, MA 6c, PH 3b, PH 8a, PK 3, THE Zb 5, THE 4, ZA 12a, ZA 12b, ZA 18a, ZA 1b, ZA 26a, ZA 4b.**

## CONSTRUCTING A NETWORK GRAPH

In order to create a network graph that visualizes the ‘transactions’ between proposed entities (Fig. 4.15), we chose a third-party javascript library called “vis-network”. This is a module of computer code written in the Javascript programming language that can be embedded in a website and used by the website to display an interactive network graph in the user’s web browser. In order to achieve this, *vis-network* requires us to build a database of nodes (entities) with ‘transactions’ as the edges between the nodes. The most convenient way of doing this is to construct a simple text file for each tablet with the content formatted in such a way that it identifies the proposed nodes in the graph and includes metadata identifying the commodities and values for each ‘transaction’ between the nodes (<https://github.com/mwenge/lineara.xyz/tree/master/network/transactions/final>). An example of what this looks like for the pair of relatively simple “Transfer Lists” given in HT 121 is as follows:



Fig. 4.15: A view of the complete network graph. The user can use the mouse wheel to zoom in and out of the graph. Hagia Triada is in blue, Zakros in yellow, Khania in pink, Tylissos in purple, Arkhanes in green, Petras in red.

```
{
  "name": "HT121",
  "transactions": [
    {
      "description": "sender",
      "transactionID": "HT121-1",
      "transliteratedWord": "Haghia Triada Magazine"
    },
    {
      "description": "sender",
      "transactionID": "HT121-2",
      "transliteratedWord": "Haghia Triada Magazine"
    }
  ],
  "words": [
    {
      "description": "recipient",
      "transactionID": "HT121-1",
      "transliteratedWord": "KI-RI-TA2",
      "word": "Ἄρτη"
    },
    {
      "commodityID": 1,
      "description": "commodity",
      "transactionID": "HT121-1",
      "transliteratedWord": "OLE+QE+DI",
      "word": "όπι"
    },
    {
      "commodityID": 1,
      "description": "quantity",
      "transactionID": "HT121-1",
      "transliteratedWord": "10",
      "word": " - "
    },
    {
      "description": "recipient",
      "transactionID": "HT121-2",
      "transliteratedWord": "SA-RA2",
      "word": "Υἱοί"
    }
  ]
}
```

```
{  
    "commodityID": 1,  
    "description": "commodity",  
    "transactionID": "HT121-2",  
    "transliteratedWord": "GRA",  
    "word": "\u02c4"  
},  
{  
    "commodityID": 1,  
    "description": "quantity",  
    "transactionID": "HT121-2",  
    "transliteratedWord": "5",  
    "word": "\u02e0"  
},  
{  
    "commodityID": 2,  
    "description": "commodity",  
    "transactionID": "HT121-2",  
    "transliteratedWord": "OLE",  
    "word": "\u02c7"  
},  
{  
    "commodityID": 2,  
    "description": "quantity",  
    "transactionID": "HT121-2",  
    "transliteratedWord": "4",  
    "word": "\u02e1"  
},  
{  
    "commodityID": 3,  
    "description": "commodity",  
    "transactionID": "HT121-2",  
    "transliteratedWord": "NI",  
    "word": "\u02c4"\br/>},  
{  
    "commodityID": 3,  
    "description": "quantity",  
    "transactionID": "HT121-2",  
    "transliteratedWord": "2",  
    "word": "\u02e0"\br/>}
```

```

    },
    {
      "commodityID": 4,
      "description": "commodity",
      "transactionID": "HT121-2",
      "transliteratedWord": "VIN",
      "word": "𒂗"
    },
    {
      "commodityID": 4,
      "description": "quantity",
      "transactionID": "HT121-2",
      "transliteratedWord": "3",
      "word": "三"
    },
    {
      "commodityID": 5,
      "description": "commodity",
      "transactionID": "HT121-2",
      "transliteratedWord": "*23M",
      "word": "弌"
    },
    {
      "commodityID": 5,
      "description": "quantity",
      "transactionID": "HT121-2",
      "transliteratedWord": "3",
      "word": "三"
    }
  ]
}

```

For each ‘transaction’ we designate “sender” and “recipient” nodes – these are conventional terms only since we are not presenting a directed graph and do not have a strong hypothesis on which direction the commodities are flowing in any given “Transfer List” (let us also remember that the idea of mobile commodities instead of static ones –i.e., a record of storage– is also a working hypothesis). For each commodity and value that we propose is passing between the nodes we assign a unique transactionID. Each combination of commodityID and transactionID will constitute a unique edge between the two nodes associated with that transaction. In the above example there are 5 edges between the administrative center (the “Haghia Triada Magazine”) and the entity *SA-RA<sub>2</sub>*. As we construct our graph in this way, the assumptions underlying our analysis of the tablets becomes strongly apparent. We assume the tablets included in the analyst contain a record of goods transfers between entities rather than a record of goods stored (for example). We may contend that this view is supported

by the relative absence of simple “Commodity Lists” we noted when seeking examples of “Commodity Lists” independent of other syntactic structures in the tablets, but ultimately it is an assumption guided by our objective to build a graph of potential relationships between entities.

Fortunately, it was not necessary to construct the entries for every tablet by hand. We wrote a computer program in the Python programming language that made an informed guess for the appropriate construction of the text file for each tablet, based on our proposed classification (<https://github.com/mwenge/lineara.xyz/blob/master/network/transactions/030%20-%20Create%20Transactions.ipynb>). Each entry was then reviewed and corrected as required, before being merged into a single file, transactions.js (<https://github.com/mwenge/lineara.xyz/blob/master/network/transactions.js>).

When a user loads <https://lineara.xyz/network>, the page constructs a full list of all nodes given in transactions.js and builds a network of edges that connect them. In order to help users to distinguish between the different geographies associated with the tablets, nodes for each site are assigned a unique color. We also annotate each edge with its commodity and value.

To assist the user in exploring the graph, we have made the nodes interactive. Clicking on a node will limit the displayed graph to just that node and other nodes connected to it. The user can in this way build up a graph of just the nodes and edges they are interested in. The graph also has a search function. Searching can be done on tablet name, entity name or site/find-place. Search terms are cumulative, again allowing the user to build up a cumulative picture of just the nodes that interest them.

We consider our interpretation of the tablets provisional, so it is important to allow the critical user view the source of any given relationship represented in the graph. It is important to bear in mind that these graphs have been constructed with specific working hypotheses as points of departure (the separation of “Commodities” and “Entities” and the concept of the “Transfer List” being the most significant). As such, they cannot reflect the viewpoint of someone who does not accept such axioms. In constructing the graph, I have set out a specific rationale for interpreting the individual tablets based on the common syntactic structures identified herein.

It is inevitable that this exercise will be partial rather than impartial. However, it may provide a stimulus, as well as the general framework for the readers to consider for themselves each relationship depicted. For this reason, when a user hovers over an edge in the graph, we display the tablet and the nodes and edge are sourced from with the relevant words in the tablet highlighted. This permits the users to easily assess if the relationship is a valid one according to their own interpretation of the tablet.

## OBSERVATIONS ON THE NETWORK GRAPH

As might be expected, our graph is dominated by nodes from Hagia Triada (HT) (Fig. 4.16). Most prominent are transfers between the HT administrative center (designated the “Hagia Triada Magazine” in the graph) and other entities.

But we also observe a large tangle of connections (“network edges”) between Hagia Triada nodes that do not involve the administrative center. This is based largely on those tablets we have classified as “Inter-Entity Transfer Lists” in our analysis. If our interpretation of the tablets is correct, and that is a very tentative “if”, this would indicate a high degree of economic activity between entities around the Hagia Triada center. Some nodes are much more connected than others: SA-RA, KA-RA, A-SI-JA-KA, A-DU are highly connected for example. This may indicate that these are entities more economically active than the others found in the tablets, but it may also suggest that they are not entities but words with a specific administrative meaning or function, such as ‘transaction’ vocabulary. A-DU, for example, has been proposed as a word meaning “assessment” (Younger 2024: [https://www.academia.edu/117949876/Linear\\_A\\_Texts\\_and\\_Inscriptions\\_in\\_phonetic\\_transcription](https://www.academia.edu/117949876/Linear_A_Texts_and_Inscriptions_in_phonetic_transcription), under §“9b. ‘transaction’ Words”; also Schoep 2002, 159), although, of course, other interpretations are possible.

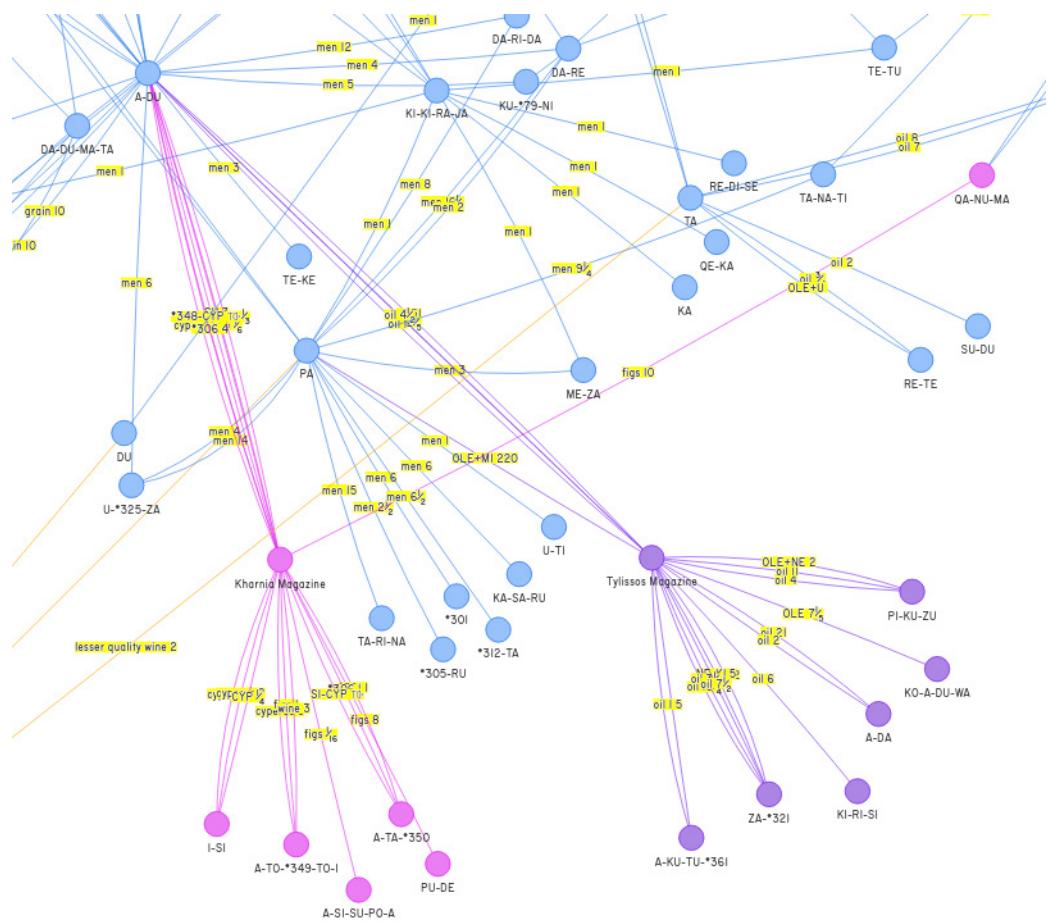


Fig. 4.16: A detail from the graph showing the nodes that connect Hagia Triada with Tylissos and Khania.

Such considerations aside, what is striking from this part of the graph is how many HT nodes have more than one edge, in other words they are involved in more than one ‘transaction’ with other nodes in the network.

However, the purpose of this graph is not for me to make inferences about Minoan economic activity, but to allow the reader to explore it for themselves and decide if it provides any useful insights. The basis for constructing the graph is inescapably provisional; the classification and interpretation of Linear A tablets is always a castle built on sand, and the system I have suggested here unquestionably has the limitation of assuming that the majority reflect relatively straightforward transactions. For this reason, the network graph is offered as a visualization tool for the interested reader to aid the ongoing inquiry in Linear A studies, championed in particular by Younger and Schoep, into what the purpose of each tablet may have been rather than what the individual words on the tablet may have signified.

# BIBLIOGRAPHY

## ABBREVIATIONS

- Aegean Podcasts* Salgarella, E. 2024 (ongoing). *Aegean Connections* (podcast, open-access at: <https://creators.spotify.com/pod/profile/ester-salgarella>)
- Aegean Scripts I-II* Nosch, M.-L., and H. Landenius Enegren, eds. 2017. *Aegean Scripts. Proceedings of the 14th International Colloquium on Mycenaean Studies, Copenhagen, 2–5 September 2015*, Volumes I–II, *Incunabula Graeca* 105:1–2. Roma: Edizioni Consiglio Nazionale delle Ricerche.
- ARN* Godart, L., and A. Sacconi. 2019–2020. *Les Archives du Roi Nestor. Corpus des Inscriptions en Linéaire B de Pylos*. Volumes I–II. *Pasiphae* 13–14. Pisa – Roma: Fabrizio Serra.
- ASSA* Palaima, T.G., ed. 1990. *Aegean Seals, Sealings and Administration. Proceedings of the NEH-Dickson Conference of the Program in Aegean Scripts and Prehistory of the Department of Classics, University of Texas at Austin, January 11–13, 1989*. *Aegaeum* 5. Liège: Université de Liège.
- CEAL* Woodard, R.D., ed. 2004. *Cambridge Encyclopedia of the World's Ancient Languages*. Cambridge: Cambridge University Press.
- CHIC* Olivier, J.-P., and L. Godart. 1996. *Corpus Hieroglyphicarum Inscriptionum Cretae. ÉtCrét* 31. Paris: École Française d'Athènes and École Française de Rome.
- CMS II,6* Platon, N., W. Müller, and I. Pini, eds. 1999. *Corpus der minoischen und mykenischen Siegel*, Band II. *Iraklion, Archäologisches Museum*. Teil 6. *Die Siegelabdrücke von Aj. Triada und anderen zentral- und ostkretischen Fundorten, unter Einbeziehung von Funden aus anderen Museen*. Berlin: Mann.
- CMS II,7* Platon, N., W. Müller, and I. Pini, eds. 1998. *Corpus der minoischen und mykenischen Siegel*, Band II. *Iraklion, Archäologisches Museum*. Teil 7. *Die Siegelabdrücke von Kato Zakros, unter Einbeziehung von Funden aus anderen Museen*. Berlin: Mann.
- CMS II, 8,1–2* N. Platon, M.A.V. Gill, W. Müller, and I. Pini, eds. 2002. *Corpus der minoischen und mykenischen Siegel*, Band II. *Iraklion. Archäologisches Museum*. Teile 8,1–8,2. *Die Siegelabdrücke von Knossos*. Mainz: von Zabern.
- CMS V S3* Pini, I., ed. 2004. *Corpus der minoischen und mykenischen Siegel*, Band V. *Kleinere griechische Sammlungen: Neufunde aus Griechenland und der westlichen Türkei*. Teil 1 (*Ägina – Mykonos*) – Teil 2 (*Nafplion – Volos und westliche Türkei*). Mainz: von Zabern.
- CoMIK I–IV* Chadwick, J., L. Godart, J.T. Killen, J.-P. Olivier, A. Sacconi, and I.A. Sakellarakis. 1986–1998. *Corpus of Mycenaean Inscriptions from Knossos*, Volumes I–IV. *Incunabula Graeca* 88:1–4. Cambridge – Roma: Cambridge University Press and Edizioni dell'Ateneo.
- DMic I–II* Aura Jorro, F. 1985–1993. *Diccionario Micénico*, Volumes I–II. Diccionario Griego-Español Anejos I–II. Madrid: Consejo Superior de Investigaciones Científicas.
- Docs* Ventris, M.G.F., and J. Chadwick. 1956. *Documents in Mycenaean Greek. Three Hundred Selected Tablets from Knossos, Pylos and Mycenae with Commentary and Vocabulary*. Cambridge: Cambridge University Press.
- Docs<sup>2</sup>* Ventris, M.G.F., and J. Chadwick. 1973. *Documents in Mycenaean Greek. Three Hundred Selected Tablets from Knossos, Pylos and Mycenae with Commentary and Vocabulary*. 2nd ed. with additions by J. Chadwick. Cambridge: Cambridge University Press.
- EtMyc2010* Carlier, P., C. de Lamberterie, M. Egetmeyer, N. Guilleux, F. Rougemont and J. Zurbach, eds. 2012. *Études Mycéniennes 2010: Actes du XIIIe Colloque International sur les Textes Égéens*: Sèvres, Paris, Nanterre, 20–23 Septembre 2010, *Biblioteca di Pasiphae* 10. Pisa – Roma: Fabrizio Serra.
- FS Wiener I–III* Betancourt, P.P., V. Karageorghis, R. Laffineur and W.-D. Niemeier, eds. 1999. *MELETEMATA. Studies in Aegean Archaeology Presented to Malcolm H. Wiener as He Enters His 65th Year*, Vol-

	umes I–III. <i>Aegaeum</i> 20:1–3. Liège – Austin: Université de Liège and University of Texas at Austin, Program in Aegean Scripts and Prehistory.
FS Younger	Davis, B., and R. Laffineur, eds. 2020. <i>ΝΕΩΤΕΡΟΣ. Studies in Bronze Age Aegean Art and Archaeology in Honor of Professor John G. Younger on the Occasion of His Retirement</i> . <i>Aegaeum</i> 44. Leuven – Liège: Peeters.
GORILA 1–5	Godart, L., and J.-P. Olivier. 1976–1985. <i>Recueil des Inscriptions en Linéaire A</i> , Volumes 1–5. <i>ÉtCrét</i> 21:1–5. Athens: École Française d’Athènes.
KO-RO-NO-WE-SA	Bennet, J., A. Karnava and T. Meißner, eds. 2024. <i>KO-RO-NO-WE-SA. Proceedings of the 15th Mycenological Colloquium, September 2021</i> . Ariadne Supplement Series. Rethymno.
LAIF	Salgarella, E. 2025 (under ongoing development). LAIF - Linear A Inscription Finder.
LM IB Pottery 1–2	Brogan, T.M., and E. Hallager, eds. 2011. <i>LM IB Pottery: Relative Chronology and Regional Differences. Acts of a Workshop Held at the Danish Institute at Athens in Collaboration with the INSTAP Study Centre for East Crete, 27–29 June 2007</i> , Volumes 1–2. Monographs of the Danish Institute at Athens 11:1–2. Aarhus: Aarhus University Press.
OHBAA	Cline, E.H., ed. 2010. <i>The Oxford Handbook of the Bronze Age Aegean</i> , Oxford – New York: Oxford University Press.
One State	D’Agata, A.L., L. Girella, E. Papadopoulou, and D. Aquini, eds. 2022. <i>One State, Many Worlds. Crete in the Late Minoan II–IIIA2 Early Period. Proceedings of the International Conference Held at Chania, Megalo Arsenali, 21st–23rd November 2019</i> . SMEA NS Supplemento 2. Roma: Quasar.
PoN IV	Bennett, E.L. Jr, J.L. Melena, D. Nakassis, J.-P. Olivier, T.G. Palaima 2025. <i>The Palace of Nestor at Pylos in Western Messenia Volume IV: The Inscribed Documents</i> , Parts 1–2 (with the collaboration of R.J. Firth, J. Hruby, K. Pluta, C.W. Shelmerdine; preface by S.R. Stocker, J.L. Davis). Columbus GA: Lockwood.
RILA-S1	Del Freo, M., and J. Zurbach. 2024. <i>Recueil des Inscriptions en Linéaire A. Supplément 1</i> . <i>ÉtCrét</i> 21:6. Athens: École Française d’Athènes.
SigLA	Salgarella, E., and S. Castellan. 2020. <i>SigLA. The Signs of Linear A: A Paleographical Database</i> . Website: <a href="https://www.inscribercproject.com/SigLA/index.html">https://www.inscribercproject.com/SigLA/index.html</a> (last access 26 June 2024).
URBS	Steele, P.M., ed. 2017. <i>Understanding Relations Between Scripts: The Aegean Writing Systems</i> , Oxford–Philadelphia: Oxbow.
WALS	Dryer, M.S., and M. Haspelmath, eds. 2023. <i>World Atlas of Language Structures Online</i> . Leipzig: Max Planck Institute for Evolutionary Anthropology. Website: <a href="http://wals.info">http://wals.info</a> (last access 26 June 2024).

## REFERENCES

- Adiego, I.J. 2007. *The Carian Language*. Leiden – Boston: Brill.
- Alberti, L. 2018. “Mycenaeans’ at Knossos Again: Removing the Skeletons from the Cupboard.” In *Πεπραγμένα IA' Διεθνούς Κρητολογικού Συνεδρίου, Ρέθυμνο, 21–27 Οκτωβρίου 2011*, Volume A1:2, edited by E. Gavrilaki, 339–53. Rethymno: Ιστορική και Λαογραφική Εταιρεία Ρεθύμνης.
- Alpaslan-Roodenberg, S., D. Anthony, H. Babiker, E. Bánffy, T. Booth, P. Capone, A. Deshpande-Mukherjee, S. Eisenmann, L. Fehren-Schmitz, M. Frachetti, R. Fujita, C.J. Frieman, Q. Fu, V. Gibbon, W. Haak, M. Hajdinjak, K.P. Hofmann, B. Holguin, T. Inomata, .... and M. Zahir. 2021. “Ethics of DNA Research on Human Remains: Five Globally Applicable Guidelines.” *Nature* 599: 41–6. <https://doi.org/10.1038/s41586-021-04008-x>
- Andersson Strand, E., and M.-L. Nosch, eds. 2015. *Tools, Textiles and Contexts. Investigating Textile Production in the Aegean and Eastern Mediterranean Bronze Age*. Ancient Textiles Series 21. Oxford–Philadelphia: Oxbow.
- Andreadaki-Vlasaki, M. 2011. “LM IB Pottery in Khania.” In *LM IB Pottery* 1, 55–74.
- \_\_\_\_\_. 2022. “The Arrival of the Mycenaeans at Kydonia: Ancient Tradition and Archaeological Evidence.” In *One State*, 193–212.
- Andreadaki-Vlasaki, M., and E. Hallager. 2007. “New and Unpublished Linear A and Linear B Inscriptions from Khania.” *Proceedings of the Danish Institute at Athens* 5: 7–22.
- Argyrou-Brand, M. 2014. “Die Beziehungen zwischen den Kykladen und Kreta am Beginn der spätminoischen Zeit.” *PZ*

- 89: 116–32.
- Barbieri, C., D.E. Blasi, E. Arango-Isaza, A.G. Sotiropoulos, H. Hammarström, S. Wichmann, S.J. Greenhill, R.D. Gray, R. Forkel, B. Bickel and K.K. Shimizu. 2022. “A Global Analysis of Matches and Mismatches between Human Genetic and Linguistic Histories.” *Proceedings of the National Academy of Sciences of the United States of America* 119: e2122084119. <https://doi.org/10.1073/pnas.2122084119>.
- Baum, D.A., and S.D. Smith. 2013. *Tree Thinking: An Introduction to Phylogenetic Biology*. Colorado: Roberts.
- Baurain, C. 1980. “Chypre et Le Monde Égéen.” *BCH* 104: 565–80.
- Beekes, R. 2010. *Etymological Dictionary of Greek*. Volumes 1–2. Leiden Indo-European Etymological Dictionary Series 10:1–2. Leiden – Boston: Brill.
- Bellwood, P. 2005. *First Farmers: The Origins of Agricultural Societies*. Oxford: Wiley-Blackwell.
- Bellwood, P., and C. Renfrew, eds. 2002. *Examining the Farming/Language Dispersal Hypothesis*. McDonald Institute for Archaeological Research.
- Bennet, J. 2005. “Response to Erik Hallager.” In *Ariadne’s Threads: Connections between Crete and the Mainland in Late Minoan III (LM IIIA2 to LM IIIC). Proceedings of the International Workshop held at Athens, Scuola Archeologica Italiana 5–6 April 2003*, edited by A.L. D’Agata and J. Moody, 267–72. *Tripodes* 3. Athens: Scuola Archeologica Italiana di Atene.
- \_\_\_\_\_. 2008. “Now You See It; Now You Don’t! The Disappearance of the Linear A Script on Crete.” In *The Disappearance of Writing Systems. Perspectives on Literacy and Communication*, edited by J. Baines, J. Bennet and S. Houston, 1–29. London – Oakville: Equinox Publishing.
- \_\_\_\_\_. 2017. “Gelb and Gell in the Aegean: Thoughts on the Relations between ‘Writing’ and ‘Art.’” In *Regional Approaches to Society and Complexity: Studies in Honor of John F. Cherry*, edited by A.R. Knodell and T.P. Leppard, 59–74. Monographs in Mediterranean Archaeology 15, Sheffield – Bristol: Equinox.
- \_\_\_\_\_. 2022. Review of Salgarella 2020. *CR* 72: 13–5.
- Bennet, J., and V. Petrakis. 2024. “The Future of Cretan Hieroglyphs: Outlooks and Trajectories.” In *Cretan Hieroglyphic*, edited by M. Civitillo, S. Ferrara and T. Meißner, 191–221. Cambridge: Cambridge University Press.
- Bennett, E.L. Jr. 1947. “The Minoan Linear Script from Pylos.” Ph.D. diss., University of Cincinnati.
- \_\_\_\_\_. 1953. *A Minoan Linear B Index*. Yale: Department of Classics, Yale University.
- \_\_\_\_\_. 1958. “Some Minoan Texts in the Iraklion Museum.” In *Minoica; Festschrift Zum 80. Geburtstag von Johannes Sundwall*, edited by E. Grumach, 35–49. Berlin: Akademie-Verlag.
- \_\_\_\_\_. 1964. “Appendix: The Wingspread Convention for the Transcription of Mycenaean (Linear B) Texts.” In *Mycenaean Studies: Proceedings of the Third International Colloquium for Mycenaean Studies Held at ‘Wingspread,’ 4–8 September 1961*, edited by E.L. Bennett, Jr. 253–62. Madison, WI: University of Wisconsin Press.
- Berger, L., G. Forstenpointner, E. Kreuz, and J. Weilhartner. 2020. “Purpur im bronzezeitlichen Ägina. Archäologische und archäozoologische Evidenz für die frühe Herstellung von Purpurfarbstoff in Griechenland.” In *Gedenkschrift für Wolfgang Wohlmayr*, edited by L. Berger, F. Lang, C. Reinholdt, B. Tober and J. Weilhartner, 43–63. ArchaeoPlus 13. Salzburg: Universität Salzburg.
- Best, J.G.P. 1972. *Some Preliminary Remarks on the Decipherment of Linear A*. Amsterdam: Hakkert.
- \_\_\_\_\_. 2001. “The First Inscription in Punic: Vowel Differences in Linear A and B.” *UgaritF* 32:27–35.
- Bombardieri, L., and A.M. Jasink. 2010. “Decorative Repertoire and Script Signs: A Complex ‘Origin’ for the Writing System in Cyprus?” *Kadmos* 49: 133–59.
- Bosanquet, R.C. 1903. “Excavations at Palaikastro II.” *BSA* 9: 274–387.
- \_\_\_\_\_. 1904–1905. “Excavations at Palaikastro IV.” *BSA* 11: 298–308.
- \_\_\_\_\_. 1939–1940. “Dicte and the Temples of Dictaeon Zeus.” *BSA* 40: 60–77.
- Bosanquet, R.C., and R.M. Dawkins. 1923. *The Unpublished Objects from the Palaikastro Excavations 1902–1906, Part I*. BSA Supplementary Paper 1. London: McMillan.
- Boulotis, C. 1998. “Les Nouveaux Documents en Linéaire A d’Akrotiri (Théra): Remarques Préliminaires.” *BCH* 122: 407–11.
- \_\_\_\_\_. 2008. “Οι Πινακίδες Γραμμικῆς Α από το Ακρωτήρι (THE 7–12): Όψεις της Οικονομικής Ζωής του Οικισμού.” In *Ακρωτήρι Θήρας. Τριάντα Χρόνια Έρευνας (1967–1997). Έπιστημονική Συνάντηση, 19–20 Δεκεμβρίου 1997*, edited by C. Doumas, 67–94. Athens: H Ev Αθήναις Αρχαιολογική Εταιρεία.
- Brice, W.C. 1961. *Inscriptions in the Minoan Linear Script of Class A, Edited from the Notes of Sir Arthur Evans and Sir John Myres*. Oxford: Society of Antiquaries.

- Broodbank, C. 2000. *An Island Archaeology of the Early Cyclades*. Cambridge: Cambridge University Press.
- Brown, E.L. 1990. "Traces of Luwian Dialect in Cretan Text and Toponym." *SMEA* 28: 225–37.
- \_\_\_\_\_. 1992–1993. "The Linear A Signary: Tokens of Luvian Dialect in Bronze Age Crete." *Minos* 27–28: 25–54.
- Brown, R.A. 1985. *Pre-Greek Speech on Crete*. Amsterdam: Hakkert.
- Bruun-Lundgren, M., E. Andersson Strand and B.P. Hallager. 2015. "Textile Tools from Khania, Crete, Greece." In *Tools, Textiles and Context. Investigating Textile Production in the Aegean and Eastern Mediterranean Bronze Age*, edited by E. Andersson Strand and M.-L. Nosch, 197–206. Ancient Textiles Series 21. Oxford–Philadelphia: Oxbow.
- Buell, M. 2022. "Down and Out in East Crete: Transformation and Change at Gournia and the Isthmus of Ierapetra from LM IB to the LM IIIA2 Period." In *One State*, 301–18.
- Burke, B. 1997. "The Organization of Textile Production in Bronze Age Crete." In *TEXNH. Craftsmen, Craftswomen and Craftsmanship in the Aegean Bronze Age. Proceedings of the 6th International Aegean Conference, Philadelphia, Temple University, 18–21 April 1996*, edited by R. Laffineur and P.P. Betancourt, 413–24. *Aegaeum* 16. Liège – Austin: Université de Liège and the University of Texas at Austin, Program in Aegean Scripts and Prehistory.
- \_\_\_\_\_. 1999. "Purple and Aegean Textile Trade in the Early Second Millennium B.C." In *FS Wiener* I, 75–82.
- \_\_\_\_\_. 2006. "Textile Production at Petras: The Evidence from House 2." In *Πεπραγμένα των Θ' Διεθνούς Κρητολογικού Συνεδρίου, Ελούντα, 1–6, Οκτωβρίου 2001*, Volume A1, edited by E. Tabakaki and A. Kaloutsakis, 279–95. Heraklion: Εταιρία Κρητικών Ιστορικών Μελετών.
- \_\_\_\_\_. 2010. *From Minos to Midas: Ancient Cloth Production in the Aegean and in Anatolia*. Ancient Textiles Series 7. Oxford – Oakville: Oxbow.
- Cadogan, G. 2011. "Kythera, the Levant, Myrtos-Pyrgos and Knossos: a Response to Iphigenia Tournavitou." In *LM IB Pottery* 1, 141–52.
- Carling, G., F. Larsson, C.A. Cathcart, N. Johansson, A. Holmer, E. Round, and R. Verhoeven. 2018. "Diachronic Atlas of Comparative Linguistics (DiACL)-A Database for Ancient Language Typology." *PLoS One* 13:e0205313. <https://doi.org/10.1371/journal.pone.0205313>
- Carrington Smith, J. 1975. "Spinning, Weaving and Textile Manufacture in Prehistoric Greece." Ph.D. diss., University of Tasmania.
- Cateloy, C. 2022. "La Mesure Des Échanges En Méditerranée Orientale: Les Amphores Levantines de l'Âge Du Bronze Moyen et Récent à l'Étude." Ph.D. diss., Université Paris 1 Panthéon-Sorbonne.
- Chantraine, P. 1968. *Dictionnaire Étymologique de la Langue Grecque. Histoire des Mots*. Volume 1. Paris: Klincksieck.
- Chantraine, P., J. Taillardat, O. Masson, J.-L. Perpillou, A. Blanc, and C. de Lamberterie. 2009. *Dictionnaire Étymologique de la Langue Grecque. Histoire des Mots avec, en Supplément, les Chroniques d'Étymologie Grecque (1–10)*. Nouvelle Édition. Paris: Klincksieck.
- Chapouthier, F. 1930. *Les Écritures Minoennes au Palais de Mallia, d'Après le Dépôt d'Archives Exhumé, sous la Direction de Charles Picard, par Louis Renaudin et Jean Charbonneau*. ÉtCrét 2. Paris: Librairie Orientaliste Paul Geuthner.
- \_\_\_\_\_. 1948. "Inscription Minoenne sur une Pastille d'Argile." *Revue Archéologique* 29–30: 166–69.
- Charleston, M. 2013. "Phylogeny." In *Brenner's Encyclopedia of Genetics*. 2nd ed., Volume 2, edited by S. Molloy and K. Hughes, 324. London – Waltham – San Diego: Academic Press.
- Christakis, K.S. 2010. "A Wine Offering to the Central Palace Sanctuary at Knossos: The Evidence from KN Zb 27." *BSA* 18: 49–55.
- Clemente, F., M. Unterländer, O. Dolgova, C.E.G. Amorim, F. Coroado-Santos, S. Neuenschwander, E. Ganiatsou, D.I. Cruz Dávalos, L. Anchieri, F. Michaud, L. Winkelbach, J. Blöcher, Y.O.A. Cárdenas, B. Sousa da Mota, E. Kalliga, A. Souleles, I. Kontopoulos, G. Karamitrou-Mentessidi, O. Philaniotou, A. Sampson, and C. Papageorgopoulou. 2021. "The Genomic History of the Aegean Palatial Civilizations." *Cell* 184: 2565–2586.e21. <https://doi.org/10.1016/j.cell.2021.03.039>.
- Corazza, M., S. Ferrara, B. Montecchi, F. Tamburini, and M. Valério. 2021. "The Mathematical Values of Fraction Signs in the Linear A Script: A Computational, Statistical and Typological Approach." *JAS* 125: 105214.
- Courtois, J.-C. 1984. *Alasia III: Les Objects de Niveaux Stratifiés d'Enkomi*. Paris: Éditions Recherche sur les Civilisations.
- Crellin, R.J. 2017. "Changing Assemblages: Vibrant Matter in Burial Assemblages." *CAJ* 27:111–25.
- \_\_\_\_\_. 2020. *Change and Archaeology*. London – New York: Routledge.
- Cucuzza, N. 2011. "Response to Sebastian Traunmueller." In *LM IB Pottery* 1, 109–13.
- Cutler, J. 2019. "Arachne's Web: Women, Weaving and Networks of Knowledge in the Bronze Age Southern Aegean." *BSA*

- 114: 79–92.
- \_\_\_\_\_. 2021. *Crafting Minoanisation. Textiles, Crafts Production and Social Dynamics in the Bronze Age Southern Aegean*. Ancient Textiles Series 33. Oxford – Philadelphia: Oxbow.
- Cutler, J., E. Andersson Strand, and M.-L. Nosch. 2013. "Textile Production in Quartier Mu." In *Fouilles exécutées à Malia. Le Quartier Mu V. Vie quotidienne et techniques au Minoen Moyen II*, edited by J.-C. Poursat, 95–118. ÉtCrét 34. Athens: École Française d'Athènes.
- Davis, B. 2011. "Cypro-Minoan in Philistia?" *Kubaba* 2: 40–74.
- \_\_\_\_\_. 2013. "Syntax in Linear A: The Word-Order of the 'Libation Formula.'" *Kadmos* 52: 35–52.
- \_\_\_\_\_. 2014. *Minoan Stone Vessels with Linear A Inscriptions*. Aegaeum 36. Leuven: Peeters.
- \_\_\_\_\_. 2018. "The Phaistos Disk: A New Way of Viewing the Language Behind the Script". *OJA* 37: 373–410.
- \_\_\_\_\_. 2024. "Investigations into the Language(s) behind Cretan Hieroglyphic and Linear A." In *Cretan Hieroglyphic*, edited by M. Civitillo, S. Ferrara and T. Meißner. Cambridge: Cambridge University Press.
- \_\_\_\_\_. Forthcoming. *The Undeciphered Aegean Scripts: Linguistic Investigations into the Languages They Encode*. Cambridge: Cambridge University Press.
- Davis, J.L. 1984. "Cultural Innovation and the Minoan Thalassocracy at Ayia Irini, Keos." In *The Minoan Thalassocracy Myth and Reality: Proceedings of the Third International Symposium at the Swedish Institute in Athens, 31 May – 5 June, 1982*, edited by R. Hägg and N. Marinatos, 159–66. *ActaAth*, 4°, 32, Göteborg: Åström.
- Davis, S. 1967. *The Decipherment of Minoan Linear A and Pictographic Scripts*. Johannesburg: Witwatersrand University Press.
- Day, J. 2011a. "Crocuses in Context. A Diachronic Survey of the Crocus Motif in the Aegean Bronze Age." *Hesperia* 80: 337–79.
- \_\_\_\_\_. 2011b. "Counting Threads. Saffron in Aegean Bronze Age Writing and Society." *OJA* 30: 369–91.
- Day, P.M., D.E. Wilson, and E. Kiriati. 1997. "Reassessing Specialization in Prepalatial Cretan Ceramic Production." In *TEXNH. Craftsmen, Craftswomen and Craftsmanship in the Aegean Bronze Age. Proceedings of the 6th International Aegean Conference, Philadelphia, Temple University, 18–21 April 1996*, edited by R. Laffineur and P.P. Betancourt, 275–90. Aegaeum 16. Liège–Austin: Université de Liège and the University of Texas at Austin, Program in Aegean Scripts and Prehistory.
- Day, P.M., V. Hachtmann, E. Kardamaki, and A. Vasilogamvrou. 2022. "Pottery Production and Consumption at Agios Vasileios during LH II–IIIA and the Cretan Connection." In *One State*, 365–86.
- de Fidio, P. 1998–1999. "On the Routes of Aegean Bronze Age Wool and Weights." In *A-NA-QO-TA. Studies Presented to J.T. Killen*, edited by J. Bennet and J. Driessen, 39–63. *Minos* 33–34. Salamanca: Ediciones Universidad de Salamanca.
- de Voogt, A.J. 2012. "Invention and Borrowing in the Development and Dispersal of Writing Systems." In *The Idea of Writing. Writing Across Borders*, edited by A.J. de Voogt and J. F. Quack, 1–10. Leiden: Brill.
- Del Freo, M. 2020. "Wool Working at Hagia Triada: The HT 24 Tablet and the 45 Noduli from the Quartiere Sudovest." In *FS Younger*, 55–63.
- \_\_\_\_\_. 2023. "Linear A and Linear B Syllabograms: Formal Similarities and Possible Homophonies". In *The Legacy of Michael Ventris: Progress and Perspectives in the Field of Aegean Scripts and Mycenaean Studies*, edited by F. Aura Jorro, M. Del Freo and J. Piquero, 65–87. Incunabula Graeca 108. Roma: CNR Edizioni.
- Del Freo, M., and J. Zurbach. 2011. "La Préparation d'un Supplément au Recueil des Inscriptions en Linéaire A. Observations à Partir d'un Travail en Cours." *BCH* 135: 73–97.
- Del Freo, M., M.-L. Nosch, and F. Rougemont. 2010. "The Terminology of Textiles in the Linear B Tablets, Including Some Considerations on Linear A Logograms and Abbreviations." In *Textile Terminologies in the Ancient Near East and Mediterranean from the Third to the First Millennia BC*, edited by C. Michel and M.-L. Nosch, 338–73. Ancient Textiles Series 8. Oxford – Oakville: Oxbow.
- Dickinson, O.T.P.K. 1994. *The Aegean Bronze Age*. Cambridge: Cambridge University Press.
- Dikaios, P. 1940. "The Excavations at Vounous-Bellapais in Cyprus, 1931–1932." *Archaeologia* 88: 1–174.
- Dimopoulou, N., J.-P. Olivier, and G. Réthémiotakis. 1993. "Une Statuette en Argile MR IIIA de Poros Irakliou avec Inscription en Linéaire A." *BCH* 117: 501–21.
- Driessen, J. 1996. "The Arsenal of Knossos (Crete) and Mycenaean Chariot Forces." In *Archaeological and Historical Aspects of West-European Societies. Album Amicorum André van Doorselaer*, edited by M. Lodewijckx, 481–98. *ActaArchLov Monographiae* 8. Leuven: Leuven University Press.

- \_\_\_\_\_. 1997. "Linear A Tablets and Political Geography." In *The Function of the 'Minoan Villa'. Proceedings of the Eighth International Symposium at the Swedish Institute of Athens, 6–8 June 1992*, edited by R. Hägg, 216–17. ActAth 4° 46, Stockholm: Åström.
- \_\_\_\_\_. 1999. "The Northern Entrance Passage at Knossos. Some Preliminary Observations on its Potential role as 'Central Archives.'" In *Floreat Studia Mycenaea. Akten des X. Internationalen Mykenologischen Colloquiums in Salzburg vom 1.–5. Mai 1995*, edited by S. Deger-Jalkotzy, S. Hiller and O. Panagl, 205–26. Wien: Österreichische Akademie der Wissenschaften.
- \_\_\_\_\_. 2000. *The Scribes of the Room of the Chariot Tablets at Knossos: Interdisciplinary Approach to the Study of a Linear B Deposit*. Supplementos a Minos 15. Salamanca: Ediciones Universidad de Salamanca.
- Driessen, J., and C.F. Macdonald. 1997. *The Troubled Island: Minoan Crete Before and After the Santorini Eruption*, Aegaeum 17. Liège – Austin: Université de Liège and University of Texas at Austin, Program in Aegean Scripts and Prehistory.
- Driessen, J., and O. Mouthuy. 2022. "The LM II-IIIA2 Kingdom of Knossos as Reflected by its Linear B Archives." In *One State*, 71–84.
- Donald, A.T. 2016. "Cylinder Seals in Context: An Analysis of Late Cypriot Glyptic." Ph.D. diss., La Trobe University.
- Donnelly, C.M. 2021. "Signs of Writing? Writing and Trade in the Late Bronze Age Eastern Mediterranean." Ph.D. diss., University of Texas at Austin.
- \_\_\_\_\_. 2022a. "Cypro-Minoan Abroad, Cypriots Abroad?" In *Beyond Cyprus: Investigating Cypriot Connectivity in the Mediterranean from the Late Bronze Age to the End of the Classical Period*, edited by G. Bourogiannis, 195–206. AURA Supplement 9. Athens: National and Kapodistrian University of Athens, Faculty of History and Archaeology.
- \_\_\_\_\_. 2022b. "Cypro-Minoan and its Potmarks and Vessel Inscriptions as Challenges to Aegean Scripts Corpora." In *Writing around the Ancient Mediterranean: Practices and Adaptations*, edited by P.M. Steele and P.J. Boyes, 49–73. Oxford – Philadelphia: Oxbow.
- \_\_\_\_\_. 2024. *Cypro-Minoan and Its Writers: At Home and Overseas*. Cambridge Elements in Writing in the Ancient World Series. Cambridge: Cambridge University Press.
- Dryer, M.S. 2023a. "Order of Adjective and Noun." In *WALS*, §87, map 87A.
- \_\_\_\_\_. 2023b. "Order of Adposition and Noun Phrase." In *WALS*, §85, map 85A.
- \_\_\_\_\_. 2023c. "Order of Subject, Object and Verb." In *WALS*, §81, map 81A.
- Duhoux, Y. 1974. "Idéogrammes Textiles du Linéaire B: \*146, \*160, \*165 et \*166." *Minos* 15: 116–32.
- \_\_\_\_\_. 1975. "Les Idéogrammes \*168 et \*181 du Linéaire B." *Kadmos* 14:117–24.
- \_\_\_\_\_. 1976. *Aspects du Vocabulaire Économique Mycénien (Cadastre – Artisanat – Fiscalité)*. Amsterdam: Hakkert.
- \_\_\_\_\_, ed. 1978a. *Études Minoennes I: Le Linéaire A*. Bibliothèque des Cahiers de l'Institut de Linguistique de Louvain 14. Louvian: Peeters.
- \_\_\_\_\_. 1978b. "Une Analyse Linguistique du Linéaire A." In *Études Minoennes I. Le Linéaire A*, edited by Y. Duhoux, 65–129. Bibliothèque des Cahiers de l'Institut de Linguistique de Louvain 14. Louvain: Peeters.
- \_\_\_\_\_. 1989. "Le Linéaire A: Problèmes de Déchiffrement." In *Problems in Decipherment*, edited by Y. Duhoux, T. G. Palaima and J. Bennet, 59–119. Bibliothèque des cahiers de l'Institut de Linguistique de Louvain 49. Louvain-la-Neuve: Peeters.
- \_\_\_\_\_. 2006. "Destins Contrastés de Langues et d'Écritures; les Linéaires A et B." In *Studi linguistici in onore di Roberto Gusmani*, edited by R. Bombi, G. Cifoletti, F. Fusco, L. Innocente and Y. Orioles, 665–76. Alessandri: Edizioni dell'Orso.
- \_\_\_\_\_. 2011. "Linéaire A *ku-ro*, 'Total' *vel sim.*: Sémitique ou Langue 'Exotique'?" *Kadmos* 50, 1–13.
- \_\_\_\_\_. 2020. "Minoan Language or Languages?" In *FS Younger*, 15–21.
- Dunayevskaya, I.M., and I.M. Dyakonov. 1979. "Хаттский (Протохеттский) язык." In *Языки древней Передней Азии (несемитские); иберийско-кавказские языки; палеоазиатские языки*, edited by G.P. Serdyuchenko, 79–83. Языки Азии и Африки III. Moscow: Nauka.
- Duranti, L. 1991. "Diplomatics: New Uses for an Old Science (Part V)." *Archivaria* 32: 1–24.
- Ebeling, H.R. 1902. "Some Statistics on the Order of Words in Greek." In *Studies in Honor of Basil L. Gildersleeve*, n.e., 229–40. Baltimore: Johns Hopkins University Press.
- Elti di Rodeano, S. 2021. "Scripts in Contact: Transmission of the First Alphabets." In *Grapholinguistics in the 21st Century. June 16–17, 2020. Proceedings*, edited by Y. Haralambous, 223–40. Brest: Fluxus.
- Evans, A.J. 1894. "Primitive Pictographs and a Prae-Phoenician Script from Crete and the Peloponnese." *JHS* 14: 270–372.
- \_\_\_\_\_. 1895. *Cretan Pictographs and Prae-Phoenician Script with an Account of a Sepulchral Deposit at Hagios Onuphrios*

- near Phaestos in its Relation to Primitive Cretan and Aegean Culture.* London: Quaritch.
- \_\_\_\_\_. 1897. "Further Discoveries of Cretan and Aegean Script with Libyan and Proto-Egyptian Comparisons." *JHS* 17: 327–95.
- \_\_\_\_\_. 1901–1902. "The Palace of Knossos: Provisional report of the Excavations for the Year 1902." *BSA* 8: 1–124.
- \_\_\_\_\_. 1902–1903. "The Palace of Knossos: Provisional report of the Excavations for the Year 1903." *BSA* 9: 1–153.
- \_\_\_\_\_. 1903. "Summary: The Pictographic and Linear Scripts of Crete and their Relations", *Proceedings of the British Academy* 1, 137–9.
- \_\_\_\_\_. 1909. *Scripta Minoa: The Written Documents of Minoan Crete with Special Reference to the Archives of Knossos*. Volume I: *The Hieroglyphic and Primitive Linear Classes: with an Account of the Discovery of the Pre-Phoenician Scripts, their Place in the Minoan Story and their Mediterranean Relatives*. Oxford: Clarendon Press.
- \_\_\_\_\_. 1921. *The Palace of Minos. A Comparative Account of the Successive Stages of the Early Cretan Civilisation Illustrated by the Discoveries at Knossos*, Volume I. London: McMillan.
- \_\_\_\_\_. 1929. *The Shaft Graves and Bee-Hive Tombs of Mycenae and their Interrelation*. London: McMillan.
- \_\_\_\_\_. 1935. *The Palace of Minos. A Comparative Account of the Successive Stages of the Early Cretan Civilisation Illustrated by the Discoveries at Knossos*, Volume IV, Part 2. London: McMillan.
- Evans, A.J., and J.L. Myres. 1952. *Scripta Minoa II: The Written Documents of Minoan Crete with Special Reference to the Archives of Knossos*, Volume II: *The Archives of Knossos. Clay Tablets Inscribed in Minoan Script B edited from Notes and Supplemented by J. L. Myres*. Oxford: Clarendon Press.
- Ferrara, S. 2012. *Cypro-Minoan Inscriptions*. Volume 1: *Analysis*. Oxford: Oxford University Press.
- \_\_\_\_\_. 2013a. *Cypro-Minoan Inscriptions*. Volume 2: *The Corpus*. Oxford: Oxford University Press.
- \_\_\_\_\_. 2013b. "Writing in Cypro-Minoan: One Script, Too Many?" In *Syllabic Writing on Cyprus and Its Context*, edited by P.M. Steele, 49–76. Cambridge: Cambridge University Press.
- Ferrara, S., B. Montecchi, and M. Valério. 2021. "What is the 'Archanes Formula'? Deconstructing and Reconstructing the Earliest Attestation of Writing in the Aegean." *BSA* 116: 43–62.
- Ferrara, S., M. Valério, and B. Montecchi. 2022. "The Relationship between Cretan Hieroglyphic and Linear A: A Palaeographic and Structural Approach." *Pasiphae* 16: 81–109.
- Finkelberg, M. 1990–1991. "Minoan Inscriptions on Libation Vessels." *Minos* 25–26: 43–85.
- Finlayson, S. 2013. "Form Follows Function: Writing and its Supports in the Aegean Bronze Age." In *Writing as Material Practice: Substance, Surface and Medium*, edited by K.E. Piquette and R.D Whitehouse, 123–42. London: Ubiquity.
- Firth, R.J., and C. Skelton. 2016a. "A Study of the Scribal Hands of Knossos Based on Phylogenetic Methods and Find-place Analysis, Part I: The Phylogenetic Analysis." *Minos* 39: 159–88.
- \_\_\_\_\_. 2016b. "A Study of the Scribal Hands of Knossos Based on Phylogenetic Methods and Find-place Analysis, Part II: Early, Middle and Late Knossos Writing Styles and the Dating of the Knossos Tablets." *Minos* 39: 189–213.
- Fox, M. 2013. *The Riddle of the Labyrinth: The Quest to Crack an Ancient Code*. New York: Harper-Collins.
- Forkel, R., and H. Hammarström. 2022. "Glottocodes: Identifiers Linking Families, Languages and Dialects to Comprehensive Reference Information." *Semantic Web* 13: 917–24. <https://doi.org/10.3233/SW-212843>.
- Fowler, C. 2013. *The Emergent Past. A Relational Realist archaeology of Early Bronze Age Mortuary Practices*. Oxford: Oxford University Press.
- \_\_\_\_\_. 2017. "Relational Typologies, Assemblage Theory and Early Bronze Age Burials." *CAJ* 21: 95–109.
- Freeman, L.C. 1978. "Centrality in Social Networks. Conceptual Clarification." *Social Networks* 1: 215–39.
- Gabora, L. 2013. "Convergent Evolution." In *Brenner's Encyclopedia of Genetics*. Second Edition, Volume 2, edited by S. Molloy and K. Hughes, 178–80. London – Waltham – San Diego: Academic Press.
- Galanakis, Y. 2022. "Neither Minoan nor Mycenaean: The Burial record of Knossos and the Materialisation of a New Social Order, 1600–1400." In *One State*, 139–78.
- Galanakis, Y., E. Tsitsa, and U. Günkel-Maschek, U. 2017. "The Power of Images: Re-Examining the Wall Paintings from the Throne Room at Knossos." *BSA* 112: 47–98.
- García Rivero, D. 2016. "Darwinian Archaeology and Cultural Phylogenetics." In *Cultural phylogenetics: Concepts and Applications in Archaeology*, edited by L. Mendoza Straffon, 43–72. Cham: Springer.
- Gaspa, S. 2016. "The 'Language of Textiles': Textiles in Verbal and Nonverbal Communication in Ancient Mesopotamia." In *Verbal and Nonverbal Representation in Terminology. Proceedings of the TOTh Workshop 2013, Copenhagen, 8 November 2013*, edited by S. Lervad, P. Flemestad and L. Weilgaard Christensen, 81–92. Copenhagen: Danish National Research

- Foundation's Centre for Textile Research, Institut Porphyre.
- Gill, M.A.V. 2002. "The Find-Spots of the Sealings." In *CMS II,8.1*, 101–28.
- Gjesfjeld, E., and P. Jordan. 2019. "Contributions of Bayesian Phylogenetics to Exploring Patterns of Macroevolution in Archaeological Data". In *Handbook of Evolutionary Research in archaeology*, edited by A.M. Prentiss, 161–82. Cham: Springer.
- Georgiev, V.I. 1963. *Les Deux Langues des Inscriptions Crétoises en Linéaire A*. Sofia: Académie Bulgare des Sciences.
- \_\_\_\_\_. 1968. "L'État Actuel du Déchiffrement des Textes en Linéaire A." In *Atti e Memorie del 1º Congresso Internazionale de Micenologia*, 355–82. Incunabula Graeca 25. Rome: Edizioni dell'Ateneo.
- Godart, L. 1976. "La Scrittura Lineare A." *PP* 31: 30–47.
- \_\_\_\_\_. 1984. "Du Linéaire A au Linéaire B." In *Aux origines de l'Hellénisme. La Crète et la Grèce. Hommage à Henri van Effenterre présenté par le Centre G. Glotz. Publications de la Sorbonne: Histoire Ancienne et Médiévale* 15, 121–28. Paris: Université de Paris I Panthéon-Sorbonne.
- \_\_\_\_\_. 1999. "L'Écriture d'Archanès: Hiéroglyphique ou Linéaire A?" In *FS Wiener I*, 299–302.
- \_\_\_\_\_. 2024. "Les Dépôts Hiéroglyphiques de Malia et Cnossos." *Pasiphae* 18: 133–48.
- Goedegebuure, P.M. 2008. "Central Anatolian Languages and Language Communities in the Colony Period: a Luwian-Hattian Symbiosis and the Independent Hittites." In *Anatolia and the Jazira during the Old Assyrian Period*, edited by J.G. Dercksen, 137–80. Old Assyrian Archives Studies Volume 3. Leiden: Nederlands Instituut voor het Nabije Oosten.
- Gordon, C.H. 1957. "Akkadian Tablets in Minoan Dress." *Antiquity* 31: 237–40.
- \_\_\_\_\_. 1966. *Evidence for the Minoan Language*. Ventnor, NJ: Ventnor.
- \_\_\_\_\_. 1969. "Minoan." *Athenaeum* 47: 125–35.
- Greenberg, J.H. 1963. "Some Universals of Grammar with Particular Reference to the Order of Meaningful Elements." In *Universals of Language*, edited by J.H. Greenberg, 73–113. London: MIT Press.
- Greenhill S.J., and R.D. Gray. 2009. "Austronesian Language Phylogenies: Myths and Misconceptions about Bayesian Computational Methods." In *Austronesian Historical Linguistics and Culture History: A Festschrift for Robert Blust*, edited by A. Adelaar and A. Pawley, 375–97. Canberra: Pacific Linguistics.
- Greenhill, S.J., P. Heggarty, and R.D. Gray. 2020. "Bayesian Phylolinguistics." In *The Handbook of Historical Linguistics*. 1st ed., edited by R.D. Janda, B.D. Joseph and B.S. Vance, 226–53. Hoboken: Wiley.
- Greenhill, S.J., T.E. Currie, and R.D. Gray. 2009. "Does Horizontal Transmission Invalidate Cultural Phylogenies?" *Proceedings of the Royal Society B: Biological Sciences* 276: 2299–306.
- Griffiths, S. 2017. "We're all Cultural Historians Now: Revolutions in Understanding Archaeological Theory and Scientific Dating." *Radiocarbon* 59: 1347–1357.
- Hakenbeck, S.E. 2019. "Genetics, Archaeology and the Far Right: An Unholy Trinity." *WorldArch* 51: 517–27.
- Hallager, B.P. 2016. "The Late Minoan IIIA:1 and LM II Pottery." In *The Greek-Swedish Excavations at the Agia Aikaterini Square, Kastelli, Khania, 1970–1987; 2001, 2005 and 2008. The Late Minoan IIIA:1 and LM II Settlements*, edited by E. Hallager and B.P. Hallager 208–89. *ActaAth* 4° 47.5:1, Stockholm: Åström.
- \_\_\_\_\_. 2022. "Chania in the LM II–IIIA Period". In *One State*, 213–8.
- Hallager, E. 1995. "Four Inscribed Hanging Nodules in the Heraklion Museum," *Proceedings of the Danish Institute* 1, 9–20.
- \_\_\_\_\_. 1996. *The Minoan Roundel and Other Sealed Documents in the Neopalatial Linear A Administration*, Volumes I–II. *Aegaeum* 14:1–2. Liège and Austin: Université de Liège and University of Texas at Austin, Program in Aegean Scripts and Prehistory.
- \_\_\_\_\_. 1998. "Hieroglyphic and Linear B Sealing Administration." *BICS* 42, 221.
- \_\_\_\_\_. 2005. "The Uniformity in Seal Use and Sealing Practice during the LH/LM III Period." In *Ariadne's Threads: Connections between Crete and the Mainland in Late Minoan III (LM IIIA2 to LM IIIC)*. Proceedings of the International Workshop held at Athens, *Scuola Archeologica Italiana* 5–6 April 2003, edited by A.L. D'Agata and J. Moody, 243–66. *Tripodes* 3. Athens: Scuola Archeologica Italiana di Atene.
- \_\_\_\_\_. 2010a. "Late Bronze Age: Crete". In *OHBA*, 149–59.
- \_\_\_\_\_. 2010b. "Development of Sealing Practices in the Neopalatial Period." In *Die Bedeutung der minoischen und mykenischen Glyptik. VI. Internationales Siegel-Symposium, Marburg, 9.–12. Oktober 2008*, edited by W. Müller, 205–12. *CMS Beiheft* 8. Mainz: von Zabern.
- \_\_\_\_\_. 2011. "On the Origin of Linear B administration?" In *Πεπραγμένα του Ι' Διεθνούς Κρητολογικού Συνεδρίου*,

- Xanía 1–8 Οκτωβρίου 2006*, Volume A1, edited by M., andreadaki-Vlazaki and E. Papadopoulou, 317–29. Chania: Φιλολογικός Σύλλογος “Ο Χρυσότομος”.
- \_\_\_\_\_. 2015. “Mycenaean Administrative Sealing Practice: A World of its Own?” In *Tradition and Innovation in the Mycenaean Palatial Polities. Proceedings of an International Symposium Held at the Austrian Academy of Sciences, Institute for Oriental and European Archaeology, Aegean and Anatolian Department, Vienna 1–2 March, 2013*, edited by J. Weilhartner and F. Ruppenstein, 141–53. *Mykenische Studien 34*. Wien: Österreichische Akademie der Wissenschaften.
- \_\_\_\_\_. 2016. “Sealed Documents and Sealings from the Greek-Swedish Excavations.” In *The Greek-Swedish Excavations at the Agia Aikaterini Square, Kastelli, Khania, 1970–1987; 2001, 2005 and 2008. The Late Minoan IIIA:1 and LM II Settlements*, edited by E. Hallager and B.P. Hallager, 383–92. *ActaAth 4° 47.5:1*, Stockholm: Åström.
- Hamilakis, Y. 1996. “Wine, Oil and the Dialectics of Power in Bronze Age Crete: A Review of the Evidence.” *OJA* 15: 1–32.
- \_\_\_\_\_. 1999. “Food Technologies/Technologies of the Body: The Social Context of Wine and Oil Production and Consumption in Bronze Age Crete.” *WorldArch* 31: 38–54.
- Harris, O.J.T. 2013. “Relational communities in Neolithic Britain,” In *Relational Archaeologies: Humans, Animals, Things*, edited by C. Watts, 173–89. London: Routledge.
- Harris, O.J.T. 2014. “(Re)Assembling communities.” *Journal of Archaeological Method and Theory* 21: 76–97.
- Hatzaki, E. 2007. “Final Palatial (LM II–LM IIIA2) and Postpalatial (LM IIIB–LM IIIC Early): MUM South Sector, Long Corridor Cists, MUM Pits (8, 10–11), Makritikhos ‘Kitchen’, MUM North Platform Pits and SEX Southern Half Groups.” In *Knossos Pottery Handbook: Neolithic and Bronze Age (Minoan)*, edited by N. Momigliano, 197–251. *BSA Studies 14*. London: British School at Athens.
- \_\_\_\_\_. 2016. “Spatial and Temporal Variability in Identity and Representation within the Bronze Age Cemeteries of Knossos, Crete.” In *An Archaeology of Prehistoric Bodies and Embodied Identities in the Eastern Mediterranean*, edited by M. Mina, S. Triantaphyllou and Y. Papadatos, 197–203. Oxford – Philadelphia: Oxbow.
- Hennig, W. 1950. *Grundzüge einer Theorie der phylogenetischen Systematik*. Berlin: Deutscher Zentralverlag.
- \_\_\_\_\_. 1965. “Phylogenetic Systematics.” *Annual Review of Entomology* 10: 97–116.
- Hirschfeld, N. 2000. “Marked Late Bronze Age Pottery from the Kingdom of Ugarit.” In *Céramiques Mycéniennes d’Ugarit*, edited by M. Yon, V. Karageorghis, and N. Hirschfeld with the collaboration of A. Caubet, 163–200. Ras Shamra-Ugarit XIII. Nicosia: Mission Française de Ras Shamra-Ugarit, Éditions Recherche sur les Civilisations and A.G. Leventis Foundation.
- Holder M., and P.O. Lewis. 2003. “Phylogeny Estimation: Traditional and Bayesian Approaches.” *Nature Reviews Genetics* 4: 275–84.
- Hood, M.S.E. 1985. “Warlike Destruction in Crete ca. 1450 B.C.” In *Πεπραγμένα του Ε' Διεθνούς Κρητολογικού Συνεδρίου (Αγιος Νικόλαος, 25 Σεπτεμβρίου – 1 Οκτωβρίου 1981)*, Volume A, edited by T. Detorakis, 170–78. Herakleion: Εταιρεία Ιστορικών Μελετών.
- Huehnergard, J., and C. Woods. 2004. “Akkadian and Eblaite.” In *CEAL*, 218–87.
- Hughey, J.R., P. Paschou, P. Drineas, D. Mastropaoletti, D.M. Lotakis, P.A. Navas, M. Michalodimitrakis, J.A. Stamatoyannopoulos, and G. Stamatoyannopoulos. 2013. “A European Population in Minoan Bronze Age Crete.” *Nature Communications* 4. DOI: [10.1038/ncomms2871](https://doi.org/10.1038/ncomms2871).
- Huson, D.H., and D. Bryant. 2006. “Application of Phylogenetic Networks in Evolutionary Studies.” *Molecular Biology and Evolution* 23: 254–67.
- Jacomy, M., T. Venturini, S. Heymann, and M. Bastian. 2014. “ForceAtlas2, a Continuous Graph Layout Algorithm for Handy Network Visualization Designed for the Gephi Software”. *PLoS One* 9:e98679. <https://doi.org/10.1371/journal.pone.0098679>
- Judson A.P. 2016. “The Undeciphered Signs of Linear B.” Ph.D. diss., University of Cambridge.
- \_\_\_\_\_. 2020. *The Undeciphered Signs of Linear B: Interpretation and Scribal Practice*. Cambridge: Cambridge Classical Studies.
- Kammerzell, F. 2009. “Defining Non-Textual Marking Systems, Writing and Other Systems of Graphic Information Processing.” In *Non-Textual Marking Systems, Writing and Pseudo Script from Prehistory to Modern Times*, edited by P. Andrassy, J. Budka and F. Kammerzell, 277–308. Göttingen, Germany: Seminar für Ägyptologie und Koptologie.
- Kanta, A., D. Nakassis, T.G. Palaima, and M. Perna. 2024. “An Archaeological and Epigraphical Overview of Some Inscriptions found in the Cult Center of the city of Knossos (Anetaki plot).” In *KO-RO-NO-WE-SA*, 27–43.
- Karnava, A. 2005. “The Tel Haror Inscription and Crete: A Further Link.” In *EMPORIA: Aegeans in the Central and Eastern*

- Mediterranean. Proceedings of the 10th International Aegean Conference, Athens, Italian School of Archaeology, 14–18 April 2004*, edited by R. Laffineur and E. Greco, 838–41. *Aegaeum* 25. Liège – Austin: Université de Liège and the University of Texas at Austin, Program in Aegean Scripts and Prehistory.
- \_\_\_\_\_. 2007. "Tradition and Innovation: The Scripts in the Old Palatial Period." *BICS* 50:199–200.
- \_\_\_\_\_. 2008. "Written and Stamped Records in the Late Bronze Age Cyclades: The Sea Journeys of an Administration." In *Horizon: A Colloquium on the Prehistory of the Cyclades*, edited by N. Brodie, J. Doole, G. Gavalas and C. Renfrew, 277–386. Cambridge: McDonald Institute for Archaeological Research.
- \_\_\_\_\_. 2016. "On Sacred Vocabulary and Religious Dedications: The Minoan 'Libation Formula'." In *Metaphysis: Ritual, Myth and Symbolism in the Aegean Bronze Age. Proceedings of the 15th International Aegean Conference, Vienna, Institute for Oriental and European Archaeology, Aegean and Anatolia Department, Austrian Academy of Sciences and Institute of Classical Archaeology, University of Vienna, 22–25 April 2014*, edited by E. Alram-Stern, F. Blakolmer, S. Deger-Jalkotzy, R. Laffineur and J. Weilhartner, 345–55. *Aegaeum* 39, Leuven – Liege: Peeters.
- \_\_\_\_\_. 2018. *Seals, Sealings and Seal Impressions from Akrotiri in Thera*. CMS Beiheft 10. Heidelberg: CMS Heidelberg-Propylaeum Publishing.
- \_\_\_\_\_. 2019. "The Inscribed Loomweight." In *Akrotiri, Thera: The Middle Bronze Age. Pottery and Stratigraphy*, Volume 1, edited by I. Nikolakopoulou, 501–4. Athens: The Athens Archaeological Society.
- \_\_\_\_\_. 2021. "'Picture-writing' and Phoneticism after *Scripta Minoa I*." In *Representations. Material and Immaterial Models of Communication in the Bronze Age Aegean*, edited by J. Bennet, 241–58. Sheffield Studies in Aegean Archaeology. Oxford: Oxbow.
- Killen, J.T. 1964. "The Wool Industry of Crete in the Late Bronze Age." *BSA* 59: 1–15.
- \_\_\_\_\_. 1979. "The Knossos Ld(1) Tablets." In *Colloquium Mycenaum. Actes du Sixième Colloque International sur les Textes Mycéniens et Égéens tenu à Chaumont sur Neuchâtel du 7 au 13 Septembre 1975*, edited by E. Risch and H. Mühlstein, 151–81. Genève: Université de Neuchâtel.
- \_\_\_\_\_. 1984. "The Textile Industries at Pylos and Knossos." In *Pylos Comes Alive: Industry and Administration in a Mycenaean Palace*, edited by C.W. Shelmerdine and T.G. Palaima, 49–63. New York: Fordham University.
- \_\_\_\_\_. 2022. "Figs and Fig-Trees at Knossos." In *TA-U-RO-QO-RO. Studies in Mycenaean Texts, Language and Culture in Honor of José Luis Melena Jiménez*, edited by J. Méndez Dosuna, T.G. Palaima and C. Varias García, 77–84. Hellenic Studies 94. Washington/DC: Centre for Hellenic Studies, Trustees for Harvard University.
- Kristiansen, K. 2016. "Interpreting Bronze Age Trade and Migration." In *Human Mobility and Technological Transfer in the Prehistoric Mediterranean*, edited by C. Knappett and E. Kiriatzi, 154–80. Cambridge: Cambridge University Press.
- Krzyszowska, O. 2005. *Aegean Seals, An Introduction*. BICS Supplement 85. London: Institute of Classical Studies.
- Lazaridis, I., A. Mittnik, N. Patterson, S. Mallick, N. Rohland, S. Pfrengle, A. Furtwängler, A. Peltzer, C. Posth, A. Vasilakis, P.J.P. McGeorge, Eleni Konsolaki-Yannopoulou, G. Korres, H. Martlew, M. Michalodimitrakis, M. Özsaït, N. Özsaït, A. Papathanasiou, M. Richards, ... and G. Stamatoyannopoulos. 2017. "Genetic Origins of the Minoans and Mycenaeans." *Nature* 548: 214–18. <https://doi.org/10.1038/nature23310>
- Lazaridis, I., S. Alpaslan-Roodenberg, A. Acar, A. Açıkkol, A. Agelarakis, L. Aghikyan, U. Akyüz, D. Andreeva, G. Andrijašević, D. Antonović, I. Armit, A. Atmaca, P. Avetisyan, A.I. Aytek, K. Bacvarov, R. Badalyan, S. Bakardzhiev, J. Balen, L. Bejko, ... and D. Reich 2022. "The Genetic History of the Southern Arc: A Bridge between West Asia and Europe". *Science* 377. <https://doi.org/10.1126/science.abm4247>
- Lejeune, M. 1958. *Mémoires de Philologie Mycénienne. Première Série (1955–1957)*. Paris: Centre National de la Recherche Scientifique.
- Lucas, G. 2005. *The Archaeology of Time*. London: Routledge.
- Luhmann, T., S. Robson, S. Kyle, and I. Harley. 2006. *Close Range Photogrammetry: Principles, Methods and Applications*. Dunbeath: Whittles.
- Lycett, S.J. 2016. "The Importance of a 'Quantitative Genetic' Approach to the Evolution of Artifact Morphological Traits." In *Cultural Phylogenetics: Concepts and Applications in Archaeology*, edited by L. Mendoza Straffon, 73–93. Cham: Springer.
- Macdonald, C.F. 2000. "Knossos: Present and Future." In *Cretan Quests: British Explorers, Excavators and Historians*, edited by D. Huxley, 61–8. London: British School at Athens.
- \_\_\_\_\_. 2010. "Knossos." In *OHBAAA*, 529–42.
- \_\_\_\_\_. 2022. "Architectural Continuity, Renovation and Innovation in the Town and Palace of Knossos, LM IB–IIIA1." In *One State*, 119–28.

- Macdonald, C.F., and C. Knappett. 2013. "Introduction." In *Intermezzo: Intermediacy and Regeneration in Middle Minoan III Palatial Crete*, edited by C.F. Macdonald and C. Knappett, 1–7. BSA Studies 21. London: British School at Athens.
- Mace, R., and C.J. Holden. 2005. "A Phylogenetic Approach to Cultural Evolution." *Trends in Ecology and Evolution* 20: 116–21.
- MacGillivray, A. 1997. *Knossos: Pottery Groups of the Old Palace Period*. BSA Studies 5. London: British School at Athens.
- MacGillivray, J.A., L.H. Sackett, J.M. Driessen, A. Farnoux, and D. Smyth. 1991. "Excavations at Palaikastro, 1990." *BSA* 86: 121–47.
- Makarenkov, V., and P. Legendre. 2004. "From a Phylogenetic Tree to a Reticulated Network." *Journal of Computational Biology* 11:195–212.
- Malafouris, L. 2013. *How Things Shape the Mind: A Theory of Material Engagement*. Cambridge: MIT Press.
- Manning, S. 2010. "Chronology and Terminology." In OHBAA, 11–30.
- \_\_\_\_\_. 2014. *A Test of Time and A Test of Time Revisited: The Volcano of Thera and the Chronology and History of the Aegean and East Mediterranean in the Mid-Second Millennium BC*. Oxford – Philadelphia: Oxbow.
- \_\_\_\_\_. 2022. "Second Intermediate Period Date for the Thera (Santorini) Eruption and Historical Implications." *PLoS One* 17: e0274835. <https://doi.org/10.1371/journal.pone.0274835>
- Maran, J. 2011. "Lost in Translation: The Emergence of Mycenaean Culture as a Phenomenon of Glocalization." In *Interweaving Worlds: Systemic Interactions in Eurasia, 7th to 1st Millennia BC*, edited by T.C. Wilkinson, S. Sherratt and J. Bennet, 282–93. Oxford – Oakville: Oxbow.
- \_\_\_\_\_. 2022. "Archaeological Cultures, Fabricated Ethnicities and DNA Research: 'Minoans' and 'Mycenaeans' as Case Examples." In *Material, Method and Meaning: Papers in Eastern Mediterranean Archaeology in Honor of Ilan Sharon*, edited by U. Davidovich, N. Yahalom-Mack and S. Matskevich, 7–25. Ägypten und Altes Testament 110. Münster: Zaphon.
- Masson, É. 1974. *Cyprominoica: Répertoires, Documents de Ras Shamra, Essais d' Interpretation*, SIMA 31:2. Göteborg: Åström.
- McCarter, P.K. Jr. 2004. "Hebrew." In CEAL, 319–64.
- Meißner, T. 2023. "Literacy in the Late Bronze Age Aegean: Some Thoughts on the Use of Linear A and Linear B." *Pasiphae* 17: 211–20.
- \_\_\_\_\_. 2024. "The Spelling Rules." In *The New Documents of Mycenaean Greek*, Volume 1, edited by J.T. Killen, 113–25. Cambridge: Cambridge University Press.
- Meißner, T., and E. Salgarella. 2024. "The Relationship Between Cretan Hieroglyphic and the Other Cretan Scripts." In *Cretan Hieroglyphic*, edited by M. Civitillo, S. Ferrara and T. Meißner, 134–64. Cambridge: Cambridge University Press.
- Meißner, T., and P.M. Steele. 2017. "Linear A and Linear B: Structural and Contextual Concerns." In *Aegean Scripts I*, 99–114.
- Melchert, H.C. 2003a. "Introduction and Prehistory." In *The Luwians*, edited by H.C. Melchert, 1–26. Handbook of Oriental Studies 68. Leiden: Brill.
- \_\_\_\_\_. 2003b. "The Dialectal Position of Lydian and Lycian within Anatolian." In *Licia e Lidia prima dell'Ellenizzazione: Atti del Convegno internazionale Roma, 11–12 ottobre 1999*, edited by M. Giorgieri, M. Salvini, M.-C. Trémouille and P. Vannicelli, 265–72. Rome: Consiglio Nazionale delle Ricerche.
- \_\_\_\_\_. 2004. "Lycian." In CEAL, 591–600.
- Meleno, J.L. 1975. *Studies on Some Mycenaean Inscriptions from Knossos Dealing with Textiles*. Suplementos a Minos 5. Salamanca: Ediciones Universidad de Salamanca.
- \_\_\_\_\_. 1987. "On the Untransliterated Syllabograms \*56 and \*22." In *Tractata Mycenaea. Proceedings of the Eighth International Colloquium on Mycenaean Studies, Held in Ohrid (15–20 September 1985)*, edited by P.H. Ilievski and L. Crepajac, 203–32. Skopje: Macedonian Academy of Sciences and Arts.
- \_\_\_\_\_. 2014. "Mycenaean Writing." In *A Companion to Linear B: Mycenaean Greek Texts and Their World*, Volume 3, edited by Y. Duhoux and A. Morpurgo Davies, 1–186. Bibliothèque des Cahiers de l'Institut de Linguistique de Louvain 133. Louvain-la-Neuve: Peeters.
- Mendoza Straffon, L.M. 2016. "The Applications and Challenges of Cultural Phylogenetics in Archaeology: An Introduction." In *Cultural Phylogenetics: Concepts and Applications in Archaeology*, edited by L. Mendoza Straffon, 1–15. Cham: Springer.
- \_\_\_\_\_. 2019. "The Uses of Cultural Phylogenetics in Archaeology." In *Handbook of Evolutionary Research in Archaeology*,

- edited by A.M. Prentiss, 149–60. Cham: Springer.
- Michailidou, A. 1992–1993. “‘Ostrakon’ with Linear A Script from Akrotiri (Thera). A Non-bureaucratic Activity?” *Minos* 27–28: 7–24.
- \_\_\_\_\_. 2000–2001. “Indications of Literacy in Bronze Age Thera.” *Minos* 35–36: 7–30.
- Militello, P. 1992. “Aspetti del Funzionamento del Sistema Amministrativo ad Hagia Triada.” In *Mykenaika. Actes du IXe Colloque International sur les Textes Mycéniens et Égéens, Organisé par le Centre de l’Antiquité Grecque et Romaine de la Fondation Hellénique des Recherches Scientifiques et l’École Française d’Athènes*, edited by J.-P. Olivier, 411–4. *BCH Supplément* 25. Paris: École Française d’Athènes.
- \_\_\_\_\_. 2007. “Textile Industry and Minoan Palaces.” In *Ancient Textiles. Production, Craft and Society. Proceedings of the First International Conference on Ancient textiles, Held at Lund, Sweden and Copenhagen, Denmark, on March 19–23, 2003*, edited by C. Gillis and M.-L.B. Nosch, 36–45. *Ancient Textiles Series* 1. Oxford: Oxbow.
- Militello, P., E. Andersson Strand, M.-L. Nosch, and J. Cutler. 2015a. “Textile Tools from Phaistos, Crete, Greece.” In *Tools, Textiles and Context. Investigating Textile Production in the Aegean and Eastern Mediterranean Bronze Age*, edited by E. Andersson Strand and M.-L. Nosch, 215–27. *Ancient Textiles Series* 21. Oxford–Philadelphia: Oxbow.
- \_\_\_\_\_. 2015b. “Textile Tools from Ayia Triada, Crete, Greece.” In *Tools, Textiles and Context. Investigating Textile Production in the Aegean and Eastern Mediterranean Bronze Age*, edited by E. Andersson Strand and M.-L. Nosch, 207–14. *Ancient Textiles Series* 21. Oxford–Philadelphia: Oxbow.
- Momigliano, N., ed. 2007. *Knossos Pottery Handbook: Neolithic and Bronze Age (Minoan)*. *BSA Studies* 14. London: British School at Athens.
- \_\_\_\_\_. 2007. “Introduction.” In *Knossos Pottery Handbook: Neolithic and Bronze Age (Minoan)*, edited by N. Momigliano, 1–8. *BSA Studies* 14. London: British School at Athens.
- Montecchi, B. 2008. “Note d’Analisi Testuale delle Tavolette in Lineare A di Hagia Triada.” *ASAtene* 86, N.S. 3.8: 313–26.
- \_\_\_\_\_. 2010. “A Classification Proposal of Linear A Tablets from Hagia Triada in Classes and Series.” *Kadmos* 49: 11–38.
- \_\_\_\_\_. 2017. “Classification, Use and Function of Hanging Nodules in the Neopalatial Administrative Practices.” *AA* 2017/1: 1–18.
- \_\_\_\_\_. 2018. “Mobility To, From and Within Neopalatial Crete: The Evidence from the Sealings.” In *Πεπραγμένα του IB’ Διεθνούς Κρητολογικού Συνεδρίου, Ηράκλειον, 21–25 Σεπτεμβρίου 2016*. Heraklion: Εταιρία Κρητικών Ιστορικών Μελετών. Accessible at <https://12iccs.proceedings.gr/en/proceedings/category/38/32/156>.
- \_\_\_\_\_. 2019. *Contare a Hagia Triada: Le Tavolette in Lineare A, i Documenti Sigillati e il Sistema Economico Amministrativo nel TM IB*. Incunabula Graeca 107. Roma: CNR Edizioni.
- Montecchi, B., M. Streccioni, and S. Ferrara. 2024. “A Linear A Offspring or a Multi-Source Creation? Some Remarks on the Origin of the Phaistos Disk and the Arkalochori Axe”. *Pasiphae* 18: 271–82.
- Moore, J.H. 1994. “Putting Anthropology Back Together Again: The Ethnogenetic Critique of Cladistic Theory.” *American Anthropologist* 96: 925–48.
- Mouthuy, O. 2020. “L’Entrée Nord du Palais de Cnossos. Étude Interdisciplinaire d’un Dépôt de Tablettes en Linéaire B.” Ph.D. diss., Université Catholique de Louvain.
- Muhly, P., and J.-P. Olivier. 2008. “Linear A Inscriptions from the Syme Sanctuary, Crete.” *ArchEph* 147, 197–223.
- Muti G. 2024. “Discoid Loom Weights on Cyprus: New Insights into Textile Tools and Practical Knowledge from the Aegean.” *Levant*. <https://doi.org/10.1080/00758914.2023.2297530>
- Müller, W. 1997. “Terminologie und Typologie der Tonplomben.” In *Die Tonplomben aus dem Nestorpalast von Pylos* by W. Müller, J.-P. Olivier, I. Pini and A. Sakellariou, 53–66. Mainz: von Zabern.
- \_\_\_\_\_. 1998. “Die Plombenformen.” In *CMS* II,7, 271–7.
- \_\_\_\_\_. 1999. “Die Tonplomben und andere gestempelte Tonobjekte.” In *CMS* II,6, 339–400.
- \_\_\_\_\_. 2002. “Untersuchungen zu Typologie, Funktion und Verbreitung der Tonplomben von Knossos.” In *CMS* II,8.1, 24–93.
- Müller, W., J.-P. Olivier and I. Pini. 1998. “Die Tonplomben aus Mykene.” *AA* 2018/1: 5–55.
- Nakassis, D., and K. Pluta. 2017. “Vorsprung durch Technik: Imaging the Linear B Tablets from Pylos.” In *Aegean Scripts* I, 285–98.
- Nakassis, D., K. Pluta, and J. Hruby. 2021. “The Pylos Tablets Digital Project: Prehistoric Scripts in the 21st Century.” In *New Approaches to Ancient Material Culture in the Greek and Roman World: 21st-Century Methods and Classical Antiquity*, edited by C.L. Cooper, 161–71. Leiden: Brill.

- Nakassis, D. 2022. "The Aegean in the Context of the Eastern Mediterranean World." In *The Oxford History of the Ancient Near East, Volume III: From the Hyksos to the Late Second Millennium BC*, edited by K. Radner, N. Moeller and D.T. Potts, 623–706. Oxford – New York: Oxford University Press.
- Nash, T. 2021. "Cultures of Writing: Rethinking the 'Spread' and 'Development' of Writing Systems in the Bronze Age Mediterranean". In *The Social and Cultural Contexts of Historic Writing Practices*, edited by P.J. Boyes, P.M. Steele and N.E. Astoreca, 209–29. Oxford – Philadelphia: Oxbow.
- Nagy, G. 1963. "Greek-like Elements in Linear A." *GRBS* 4: 181–211.
- \_\_\_\_\_. 1965. "Observations on the Sign-Grouping and Vocabulary of Linear A." *AJA* 69: 295–330.
- Neumann, G. 1960. "Minoisch *kikina* 'die Sykomorenfeige'." *Glotta* 38: 181–6.
- \_\_\_\_\_. 1962. "Nikuleon." *Glotta* 40: 51–4.
- Niemeier, W.-D. 1983. "The Character of the Knossian Palace in the Second Half of the Century B.C.: Mycenaean or Minoan?" In *Minoan Society. Proceedings of the Cambridge Colloquium 1981*, edited by O. Krzyszkowska and L. Nixon, 217–36. Bristol: Bristol Classical Press.
- Nikolakopoulou, I., and A. Karnava. 2022. "The Loomweights." In *Bronze Age Telos, Dodecanese*, edited by I. Nikolakopoulou, 143–45. Athens: Hellenic Organization of Cultural Resources Development.
- Nosch, M.-L. 1998. "L'Administration des Textiles en Crète Centrale, hors des Séries Lc/Le/Ln." *BCH* 122: 404–6.
- \_\_\_\_\_. 2007. *The Knossos Od Series. An Epigraphical Study*. Mykenische Studien 20. Wien: Österreichische Akademie der Wissenschaften.
- \_\_\_\_\_. 2012. "The Textile Logograms in the Linear B Tablets: Les Idéogrammes Archéologiques – des Textiles". In *ÉtMyc2010*, 303–44.
- \_\_\_\_\_. 2014. "Mycenaean Wool Economies in the Latter Part of the 2nd Millennium BC Aegean." In *Wool Economy in the Ancient Near East and the Aegean: From the Beginnings of Sheep Husbandry to Institutional Textile Industry*, edited by C. Breniquet and C. Michel, 371–400. Ancient Textiles Series 17. Oxford–Philadelphia: Oxbow.
- \_\_\_\_\_. 2016. "What's in a Name? What's in a Sign? Writing Wool, Scripting Shirts, Lettering Linen, Wording Wool, Phrasing Pants, Typing Tunics." In *Verbal and Nonverbal Representation in Terminology. Proceedings of the TOTh Workshop 2013, Copenhagen, 8 November 2013*, edited by S. Lervad, P. Flemestad and L. Weilgaard Christensen, 91–114. Copenhagen: Danish National Research Foundation's Centre for Textile Research, Institut Porphyre.
- \_\_\_\_\_. 2022. "Observations on the Linear B Sign  $\alpha_2$  in Linear B in the Various Chronological Phases of the Knossos and the Mainland Archives". In *TA-U-RO-QO-RO. Studies in Mycenaean Texts, Language and Culture in Honor of José Luis Melena Jiménez*, edited by J. Méndez Dosuna, T.G. Palaima and C. Varias García, 141–71. Hellenic Studies 94. Washington DC: Centre for Hellenic Studies, Trustees for Harvard University.
- \_\_\_\_\_. 2024. "Diachronic Perspectives on the Knossos Textiles (L-series) in the Room of the Chariot Tablets, the North Entrance Passage and the Main Archival Phase." In *KO-RO-NO-WE-SA*, 325–45.
- Nosch, M.-L., and A. Ulanowska. 2021. "The Materiality of the Cretan Hieroglyphic Script: Textile Production-Related Referents to Hieroglyphic Signs on Seals and Sealings from Middle Bronze Age Crete." In *The Social and Cultural Contexts of Historic Writing Practices*, edited by P.J. Boyes, P.M. Steele and N.E. Astoreca, 73–100. Oxford – Philadelphia: Oxbow.
- Notti, E. 2021. "Writing in Late Bronze Age Thera. Further Observations on the Theran Corpus of Linear A." *Pasiphae* 15: 207–25.
- O'Brien, M.J., B. Buchanan, and M.I. Eren. 2018. "Issues in Archaeological Studies of Convergence." In *Convergent evolution in stone-tool technology*, edited by M.J. O'Brien, B. Buchanan and M.I. Eren, 3–20. The Vienna Series in Theoretical Biology 22. Cambridge MA: The MIT Press.
- O'Brien, M.J., R.L. Lyman, Y. Saab, E. Saab, J. Darwent, and D.S. Glover. 2002. "Two Issues in Archaeological Phylogenetics: Taxon Construction and Outgroup Selection." *Journal of Theoretical Biology* 215:133–50.
- Olivier, J.-P. 1987. "Structure des Archives Palatiales en Linéaire A et en Linéaire B." In *Le Système Palatial en Orient, en Grèce et à Rome. Actes du colloque de Strasbourg 19–22 juin 1985*, edited by E. Lévy, 227–35. Travaux du Centre de Recherche sur le Proche-Orient et la Grèce Antiques 9. Leiden: Brill.
- \_\_\_\_\_. 2007. *Édition Holistique Des Textes Chypro-Minoens*. Biblioteca di Pasiphae 6. Pisa – Roma: Fabrizio Serra.
- \_\_\_\_\_. 2012. "Las Escrituras Egeas: Jeroglífica Cretense, Lineal A, Lineal B, Chiprominoicas y Escrituras Silábicas Chipriotas del Iº Milenio Antes de Nuestra Era." In *Actas del Simposio Internacional: 55 Años de Micenología (1952–2007)*, edited by C. Varias García, 15–35. Faventia Supplementa 1. Barcelona: Universitat Autònoma de Barcelona.
- \_\_\_\_\_. 2024. "Syllabic Scripts in the Aegean and Cyprus in the Second and First Millennia". In *The New Documents of*

- Mycenaean Greek*, Volume 1, edited by J.T. Killen, 49–94. Cambridge: Cambridge University Press.
- Oren, E.D., J.-P. Olivier, Y. Goren, P.P. Betancourt, G.H. Myer, and J. Yellin. 1996. “A Minoan Graffito from Tel Haror (Negev, Israel).” *Cretan Studies* 5: 91–118.
- Overmann, K.L. 2016. “Beyond Writing: the Development of Literacy in the Ancient Near East.” *CAJ* 26: 285–303.
- Owens, G. 1990–1991. “Three Re-Discovered Linear A Inscriptions from Knossos.” *Minos* 25–26: 367–72.
- Packard, D.W. 1974. *Minoan Linear A*. Berkeley: University of California Press.
- Palaima, T.G. 1981. “On the Painted Linear Sign from a Wall at Knossos.” *Kadmos* 20: 79–82.
- \_\_\_\_\_. 1982. “Linear A in the Cyclades: The Trade and Travel of a Script.” *TUAS* 7: 15–22.
- \_\_\_\_\_. 1983. “Evidence for the influence of the Knossian graphic tradition at Pylos.” In *Concilium Eirene xvi: Proceedings of the 16th International Eirene Conference, Prague 31.8–4.9. 1982*, Volume 3, edited by O. P., and A. Frolíková, 80–4. Prague: Kabinet pro studia recká, rímská a latinská CSAV.
- \_\_\_\_\_. 1988a. “The Development of the Mycenaean Writing System.” In *Texts, Tablets and Scribes. Studies in Mycenaean Epigraphy and Economy Offered to Emmett L. Bennett, Jr.*, edited by J.-P. Olivier and T.G. Palaima, 269–342. Suplementos a Minos 10. Salamanca: Ediciones Universidad de Salamanca.
- \_\_\_\_\_. 1988b. *The Scribes of Pylos*. Incunabula Graeca 88. Roma: Edizioni dell’Ateneo.
- \_\_\_\_\_. 1989. “Cypro-Minoan Scripts: Problems of Historical Context.” In *Problems in Decipherment*, edited by Y. Duhoux and T. G. Palaima, 121–88. Bibliothèque des Cahiers de l’Institut de Linguistique de Louvain 49. Louvain-La-Neuve: Peeters.
- \_\_\_\_\_. 1990. “Origin, Development, Transition and Transformation: The Purposes and Techniques of Administration in Minoan and Mycenaean Society.” In *ASSA*, 83–104.
- \_\_\_\_\_. 1992. “Mycenaean Scribal Aesthetics.” In *EIKΩN. Aegean Bronze Age Iconography: Shaping a Methodology. Proceedings of the 4th International Aegean Conference, University of Tasmania, Hobart, Australia, 6–9 April 1992*, edited by R. Laffineur and J.L. Crowley, 63–75. *Aegaeum* 8. Liège: Université de Liège.
- \_\_\_\_\_. 1994. “Seal-users and Script-users. Nodules and Tablets at LM IB Hagia Triada.” In *Archives Before Writing. Proceedings of the International Colloquium, Oriolo Romano, October 23–25, 1991*, edited by P. Ferioli, E. Fiandra, G.G. Fissore and M. Frangipane, 307–30. Torino: Scriptorium.
- \_\_\_\_\_. 2010. “Linear B.” In *OHBAA*, 356–72.
- \_\_\_\_\_. 2020a. “Problems in Minoan and Mycenaean Writing Style and Practice: The Strange Case of \*33 *ra<sub>3</sub>* on Pylos Tablet Aa 61.” In *FS Younger*, 3–14.
- \_\_\_\_\_. 2020b. “Porphureion and Kalkhion and Minoan-Mycenaean Purple Dye Manufacture and Use.” In *Alatzomouri Pefka. A Middle Minoan IIB Workshop Making Organic Dyes*, edited by V. Apostolakou, T.M. Brogan and P.P. Betancourt, 123–30. Prehistory Monographs 62. Philadelphia: INSTAP Academic Press.
- Palaima, T.G., and E. Sikkenga. 1999. “Linear A > Linear B.” In *FS Wiener II*, 599–608.
- Palaima, T.G., and W.E. Bibee. 2014. “Scribes, Mycenaean.” In *Encyclopaedia of Ancient Greek Language and Linguistics*, Volume 3, edited by G.K. Giannakis, 265–72. Leiden – Boston: Brill.
- Paliou, E., and A. Bevan. 2017. “Computational Approaches to Minoan Settlement Interaction and Growth.” In *Minoan Architecture and Urbanism: New Perspectives on an Ancient Built Environment*, edited by Q. Letesson and C. Knappett, 266–88. Oxford: Oxford University Press.
- Palmer, L.R. 1958. “Luvian and Linear A.” *Transactions of the Philological Society* 1958: 75–100.
- \_\_\_\_\_. 1968. “Linear A and the Anatolian Languages.” In *Atti e Memorie del 1o Congresso Internazionale de Micenologia*, 339–54. Incunabula Graeca 25. Roma: Edizione dell’Ateneo.
- Palmer, R. 1994. *Wine in the Mycenaean Palace Economy*. *Aegaeum* 10. Liège–Austin: Université de Liège and the University of Texas at Austin, Program in Aegean Scripts and Prehistory.
- \_\_\_\_\_. 1995. “Linear A Commodities: A Comparison of Resources.” In *POLITEIA. Society and State in the Aegean Bronze Age. Proceedings of the 5th International Aegean Conference, University of Heidelberg, Archäologisches Institut, 10–13 April 1994*, Volume I, edited by R. Laffineur and W.-D. Niemeier, 133–55. *Aegaeum* 12:1. Liège–Austin: Université de Liège.
- \_\_\_\_\_. 1997. “Mycenaean Administration – a Comparative Perspective.” In *The Function of the “Minoan Villa”. Proceedings of the Eighth International Symposium at the Swedish Institute of Athens, 6–8 June 1992*, edited by R. Hägg, 217. ActAth 4° 46 Stockholm: Åström.
- Palmer, R. 2012. “Deer in the Pylos Tablets.” In *ÉtMyc2010*, 357–82.

- Panagiotopoulos, D. 2014. *Mykenische Siegelpraxis. Funktion, Kontext und Administrative Verwendung mykenischer Tonplomben aus dem Griechischen Festland und Kreta*. Athenaia 5. München: Hirmer.
- Parmenter, C.S. 2023. "The Twilight of the Gods? Genomic History and the Return of Race in the Study of the Ancient Mediterranean." *History and Theory*: 1–26. DOI: [10.1111/hith.12328](https://doi.org/10.1111/hith.12328)
- Pelon, O. 1983. "L'Épée à l'Acrobate et la Chronologie Malioite (II)." *BCH* 107: 679–703.
- Pecorella, P.E. 1977. *Le Tombe Dell'Eta' Del Bronzo Tardo Della Necropoli a Mare Di Ayia Irini "Paleokastro"*. Roma: Consiglio Nazionale delle Ricerche, Instituto per gli Studi Micenei ed Egeo-Anatolici.
- Perna, M. 1994. "The Roundel in Linear A from Zakro Wc 2 (HM 84)." *Kadmos* 33: 29–37.
- \_\_\_\_\_. 2014. "The Birth of Administration and Writing in Minoan Crete: Some Thoughts on Hieroglyphics and Linear A." In *KE-RA-ME-JA. Studies Presented to Cynthia W. Shelmerdine*, edited by D. Nakassis, J. Gulizio and S.A. James, 251–59. Philadelphia: INSTAP Academic Press.
- \_\_\_\_\_. 2023. "Counting and Measuring in Cretan Linear Scripts". In *The Legacy of Michael Ventris: Progress and Perspectives in the Field of Aegean Scripts and Mycenaean Studies*, edited by F. Aura Jorro, M. Del Freo and J. Piquero, 89–99. Incunabula Graeca 108. Roma: CNR Edizioni.
- Petrakis, V. 2012a. "'Minoan' to 'Mycenaean': Thoughts on the Emergence of the Knossian Textile Industry." In *KOSMOS. Jewellery, Adornment and Textiles in the Aegean Bronze Age. Proceedings of the 13th International Aegean Conference, University of Copenhagen, Danish National Research Foundation's Centre for Textile Research, 21–26 April 2010*, edited by M.-L. Nosch and R. Laffineur, 77–86. *Aegaeum* 33. Leuven–Liège: Peeters.
- \_\_\_\_\_. 2012b. "Reverse Phonetisation? From Syllabogram to Sematogram in Aegean Scripts." In *ÉtMyc2010*, 523–36.
- \_\_\_\_\_. 2014a. "A Tale of System Reform: The Genesis of the Third Palace Period Aegean Literate Administrations." *BICS* 57: 129–30.
- \_\_\_\_\_. 2014b. "The Inscribed Stirrup Jar (EL Z 1)". In *The Sanctuary of Demeter and Kore at Eleusis. The Bronze Age, Volume 2: Pottery and Small Finds*, by M.B. Cosmopoulos, 177–216. Βιβλιοθήκη της Εν Αθήναις Αρχαιολογικής Εταιρείας 296. Athens: Εν Αθήναις Αρχαιολογική Εταιρεία.
- \_\_\_\_\_. 2017a. "Figures of Speech? Observations on the Non-Phonographic Component in the Linear B Writing System." In *Aegean Scripts I*, 127–67.
- \_\_\_\_\_. 2017b. "Reconstructing the Matrix of the 'Mycenaean' Literate Administrations." In *URBS*, 69–92..
- \_\_\_\_\_. 2022. "The Beginnings of Linear B and Literate administration on the Greek Mainland." In *One State*, 405–24.
- Pierini, R. 2021. "Mycenaean Wood: Re-thinking the Function of Furniture in the Pylos Ta Tablets within Bronze Age Sacrificial Practices." In *Thronos. Historical Grammar of Furniture in Mycenaean and Beyond*, edited by R. Pierini, A. Bernabé and M. Ercole, 107–35. *Eikasmos* 21. Bologna: Pàtron Editore.
- \_\_\_\_\_. 2024. "Linguistic Idiosyncrasies and Chronology on Linear B Tablets from the Room of the Chariot Tablets and the North Entrance Passage at Knossos." In *KO-RO-NO-WE-SA*, 467–82.
- Pini, I. 1990. "The Hieroglyphic Deposit and the Temple Repositories at Knossos." In *ASSA*, 33–46.
- \_\_\_\_\_. 2002. "Einleitung". In *CMS II*, 8,1, 1–23.
- Piquero, J. 2015. "La Etimología de σμάραγδος: Una Nueva Propuesta a la Luz del Micénico." *Kadmos* 54: 39–53.
- Plank, F. 2022. *The Universals Archive*. <https://typo.uni-konstanz.de/rara/>. Konstanz: Universität Konstanz.
- Platon, L. 2011. "Zakros: One or Two Destructions Around the End of the LM IB Period." In *LM IB Pottery 2*, 595–612.
- Platon, N. 1956. "La Chronologie Minoenne." In *L'Art de la Crète Néolithique et Minoenne*, by C. Zervos, 509–12. Paris: Editions Cahiers d'Art.
- \_\_\_\_\_. 1971. *Zakros: The Discovery of a Lost Palace of Ancient Crete*. New York: Scribner.
- Platon, N., and W.C. Brice. 1975. Ένεπίγραφοι Πινακίδες καὶ Πίθοι Γραμμικοῦ Συστήματος Α ἐκ Ζάκρου. Βιβλιοθήκη της Εν Αθήναις Αρχαιολογικής Εταιρείας 85. Αθήνα: Εν Αθήναις Αρχαιολογική Εταιρεία.
- Polig, M. 2022. "3D Approaches to Cypro-Minoan Writing-Advanced 3D Methods of Documentation, Visualization and Analysis." Ph.D. diss. The Cyprus Institute and Ghent University.
- Polig, M., and C.M. Donnelly. 2022. "Between Frustration and Progress: An Integrated Cypro-Minoan Signary and Its Paleographic Diversity." *SMEA NS* 8: 41–62.
- Popham, M.R. 1980. "Cretan Sites Occupied between 1450 and 1400 B.C." *BSA* 75: 163–7.
- \_\_\_\_\_. 1984. *The Unexplored Mansion at Knossos*. BSA Supplement 17. London: The British School at Athens.
- \_\_\_\_\_. 1994. "Late Minoan II to the End of the Bronze Age". In *Knossos: A Labyrinth of History. Papers Presented in Honour of Sinclair Hood*, edited by D. Evely, H. Hughes-Brock and N. Momigliano, 89–103. Oxford–Bloomington: Oxbow.

- Prentiss, A.M., M.J. Walsh, R.R. Skelton, and M. Mattes. 2016. "Mosaic Evolution in Cultural Frameworks: Skateboard Decks and Projectile Points." In *Cultural Phylogenetics: Concepts and Applications in Archaeology*, edited by L. Mendoza Straffon, 113–30. Cham: Springer International Publishing.
- Preston, L. 1999. "Mortuary Practices and the Negotiation of Social Identities at LM II Knossos." *BSA* 94: 131–43.
- \_\_\_\_\_. 2004. "A Mortuary Perspective on Political Changes in Late Minoan II-IIIB Crete." *AJA* 108:131–48.
- Pugliese Carratelli, G. 1945. "Le Iscrizioni Preelleniche di Hagia Triada in Creta e della Grecia Peninsulare, Contributo alla Storia della Civiltà Egea." *MonAnt* 40, columns 422–610.
- Puglisi, D. 2013. *Ceramiche Tardo Minoico I da Hagia Triada (Creta): Contesti, Produzioni, Funzioni. I Materiali dai Primi Scavi (1902–1914)*. Thiasos Monografie 4. Rome: Edizioni Quasar.
- Raison, J. 1968. *Les Vases à Inscriptions Peintes de l'Âge Mycénien et leur Contexte Archéologique*. Incunabula Graeca 19. Rome: Edizioni dell'Ateneo.
- Raison, J., and M. Pope. 1971. *Index du Linéaire A*. Incunabula Graeca 41. Roma: Edizioni dell'Ateneo.
- \_\_\_\_\_. 1977. *Index Transnuméré du Linéaire A*. Bibliothèque des Cahiers de l'Institut de Linguistique de Louvain 11. Louvain: Peeters.
- \_\_\_\_\_. 1980. *Corpus Transnuméré du Linéaire A*. Bibliotheque des Cahiers de l'Institut de Linguistique de Louvain 18. Cabay, Louvain-La-Neuve: Peeters.
- \_\_\_\_\_. 1994. *Corpus Transnuméré du Linéaire A*, Second Edition. Bibliotheque des Cahiers de l'Institut de Linguistique de Louvain 74. Louvain-La-Neuve: Peeters.
- Rehak, P., and J.G. Younger 1998. "Review of Aegean Prehistory VII: Neopalatial, Final Palatial and Postpalatial Crete." *AJA* 102: 91–173.
- Renfrew, C. 1972. *The Emergence of Civilisation: The Cyclades and the Aegean in the Third Millennium BC*. London: Methuen.
- \_\_\_\_\_. 1998. "Word of Minos: the Minoan Contribution to Mycenaean Greek and the Linguistic Geography of the Bronze Age Aegean." *CAJ* 8: 239–64.
- Revesz, P.Z. 2021. "Data Mining Autosomal Archaeogenetic Data to Determine Minoan Origins." In *IDEAS '21: Proceedings of the 25th International Database Engineering & Applications Symposium*, 46–55. New York, NY: Association for Computing Machinery. <https://doi.org/10.1145/3472163.3472178>.
- Robb, J., and O.J.T. Harris. 2013. *The Body in History: Europe from the Paleolithic to the Future*. Cambridge: Cambridge University Press.
- Rohlf, F.J. 2013. "Phenetics." In *Brenner's Encyclopedia of Genetics*. 2nd ed., Volume 2, edited by S. Molloy and K. Hughes, 293. London – Waltham – San Diego: Academic Press.
- Roose, M., T. Nylén, H. Tolvanen, and O. Vesakoski. 2021. "User-Centred Design of Multidisciplinary Spatial Data Platforms for Human-History Research." *International Society of Photogrammetry and Remote Sensing – International Journal of Geo-Information* 10: 467. <https://doi.org/10.3390/ijgi10070467>
- Rutter, J.B. 1993. "Review of Aegean Prehistory II: The Prepalatial Bronze Age of the Southern and Central Greek Mainland." *AJA* 97: 745–97.
- Sakellarakis, Y.A., and E. Sakellaraki. 2000. "Ἀνασκαφὴ Ἀρχανῶν", *Prakt* 155, 173–80.
- Sakellarakis, Y.A., and J.-P. Olivier. 1994. "Un Vase en Pierre avec Inscription en Linéaire A du Sanctuaire de Sommet Minoen de Cythère." *BCH* 118: 343–51.
- Salgarella, E. 2019. "Drawing Lines: The Palaeography of Linear A and Linear B." *Kadmos* 58: 61–92.
- \_\_\_\_\_. 2020. *Aegean Linear Script(s). Rethinking the Relationship between Linear A and Linear B*. Cambridge: Cambridge University Press.
- \_\_\_\_\_. 2021. "Imagining Cretan Scripts: The Influence of Visual Motifs on the Creation of Script-Signs in Bronze Age Crete." *BSA* 116: 63–94.
- \_\_\_\_\_. 2025a. "Material Matters: The Impact of Materiality on the Structure of the Linear A Script of Bronze Age Crete." In *Too Much Writing, Too Few Scribes. Extra-scribal Writing in the Late Bronze Age Mediterranean (1650–1100 BCE)*, edited by C.M. Donnelly, 52–72. Archaeopress Ancient Near Eastern Archaeology 13. Bicester: Archaeopress.
- \_\_\_\_\_. 2025b. *Writing in Bronze Age Crete: 'Minoan' Linear A*. Cambridge Elements in Writing in the Ancient World Series. Cambridge: Cambridge University Press.
- Salgarella, E., and S. Castellan. 2021. "SigLA: The Signs of Linear A. A Palaeographical Database". In *Grapholinguistics in the 21st Century 2020: Proceedings*, Part 2, edited by Y. Haralambous, 945–62. Grapholinguistics and Its Applications 5. Brest: Fluxus.

- Salomon, C. 2021. "Comparative Perspectives on the Study of Script Transfer and the Origin of the Runic Script." In *Grapholinguistics in the 21st Century-2020: Part I*, edited by Y. Haralambous, 143–201. Paris: Fluxus.
- Sbonias, K. 1995. *Frühkretische Siegel: Ansätze für eine Interpretation der sozial-politischen Entwicklung auf Kreta während der Frühbronzezeit*. BAR-IS 620. Oxford: BAR Publishing.
- Schneider, E.W. 2006. "The Dynamics of New Englishes: From Identity Construction to Dialect Birth." In *World Englishes: Critical Concepts in Linguistics*, Volume 1, edited by K. Bolton and B.B. Kachru, 125–85. New York: Routledge.
- Schoep, I. 1999. "Tablets and Territories. Reconstructing the LM IB Political Geography Through Undeciphered Documents." *AJA* 103: 201–21.
- \_\_\_\_\_. 2001. "The Role of the Linear A Tablets in Minoan Administration." *Ktèma* 26: 55–62.
- \_\_\_\_\_. 2002. *The Administration of Neopalatial Crete. A Critical Assessment of the Linear A Tablets and their Role in the Administrative Process*. Suplementos a Minos 17. Salamanca: Ediciones Universidad de Salamanca.
- \_\_\_\_\_. 2007. "The Inscribed Document." In *Knossos: Protopalatial Deposits in Early Magazine A and the South-West Houses*, by C.F. Macdonald and C. Knappett, 131–4. BSA Supplementary Volume 41, London: The British School at Athens.
- \_\_\_\_\_. 2012. "Bridging the Divide between the Prepalatial and Protopalatial Periods?" In *Back to the Beginning. Re-assessing Social, Economic and Political Complexity in the Early and Middle Minoan Periods*, edited by I. Schoep, P. Tomkins and J. Driessen, 403–28. Oxford: Oxbow.
- \_\_\_\_\_. 2020. "The Development of Writing in EM III-MM IIB Crete (ca. 2200–1750/00 BC)." In *FS Younger*, 43–53.
- Schulte, M. 2015. "Runology and Historical Sociolinguistics: On Runic Writing and Its Social History in the First Millennium." *Journal of Historical Sociolinguistics* 1: 87–110.
- Shelmerdine, C. 1998. "Where Do We Go From Here? And How Can the Linear B Tablets Help Us Get There?" In *The Aegean and the Orient in the Second Millennium BC*, edited by E. Cline and D.H. Cline, 291–99. *Aegaeum* 18. Liège – Austin: Université de Liège and the University of Texas at Austin, Program in Aegean Scripts and Prehistory.
- \_\_\_\_\_. 2008. "Background, Sources and Methods." In *The Cambridge Companion to the Aegean Bronze Age*, edited by C.W. Shelmerdine, 1–18. Cambridge: Cambridge University Press.
- \_\_\_\_\_. 2010. "Iklaina Tablet IK X 1." In *ÉtMyc2010*, 75–7.
- Shelton, K.S. 2002–2003. "A New Linear B Tablet from Petsas House, Mycenae." *Minos* 37–38: 387–96.
- Sherratt, S. 2000. *Catalogue of Cycladic Antiquities in the Ashmolean Museum: The Captive Spirit*. Oxford: Oxford University Press.
- \_\_\_\_\_. 2013. "Late Cypriot Writing in Context." In *Syllabic Writing on Cyprus and Its Context*, edited by P. M. Steele, 77–106. Cambridge: Cambridge University Press.
- Skelton, C. 2008. "Methods of Using Phylogenetic Systematics to Reconstruct the History of the Linear B Script." *Archaeometry* 50: 158–76.
- Skelton, C., and R.J. Firth. 2016. "A Study of the Scribal Hands of Knossos Based on Phylogenetic Methods and Find-place Analysis, Part III: Dating the Knossos Tablets Using Phylogenetic Methods." *Minos* 39: 215–28.
- Spantidaki, S., P. Flemested, and M.-L. Nosch. 2023. "Interdisciplinary Perspectives on the Sails of the Athenian Trireme". In *Archaeology and Economy in the Ancient World: Proceedings of the 19th International Congress of Classical Archaeology, Cologne/Bonn 2018. Sessions 6–8, Single Contributions*, edited by M. Bentz and M. Heinzelmann, 33–5. *Archaeology and Economy in the Ancient World* 53. Heidelberg: Propylaeum.
- Steele, P.M. 2018. *Writing and Society in Ancient Cyprus*. Cambridge: University of Cambridge Press.
- \_\_\_\_\_. 2024. *Exploring Writing Systems and Practices in the Bronze Age Aegean. Contexts of and Relations between Early Writing Systems* 7. Oxford – Philadelphia: Oxbow.
- Steele, P.M., and T. Meißner. 2017. "From Linear B to Linear A: The Problem of the Backward Projection of Sound Values." In *URBS*, 93–110.
- Swofford, D.L. 1998. *PAUP\*, Phylogenetic Analysis Using Parsimony (\*and Other Methods). Version 4*. Sunderland MA: Sinauer Associates.
- Sykes, N., M. Spriggs, and A. Evin. 2019. "Beyond Curse or Blessing: The Opportunities and Challenges of aDNA Analysis." *WorldArch* 51(4), 503–16.
- Témkin, I., and N. Eldredge. 2007. "Phylogenetics and material cultural evolution." *Current Anthropology* 48: 146–54.
- Thomason, S.G. 2001. *Language Contact: An Introduction*. Edinburgh: Edinburgh University Press.
- Tomas, H. 2010a. "Cretan Hieroglyphic and Linear A." In *OHBAA*, 340–55.

- \_\_\_\_\_. 2010b. "Linear A versus Linear B Administrative Systems in the Sphere of Religious Matters." In *Espace Civil, Espace Religieux en Égée Durant la Période Mycénienne: Approches Épigraphique, Linguistique et Archéologique. Actes des Journées d'Archéologie et de Philologie Mycéniennes Tenues à la Maison de l'Orient et de la Méditerranée – Jean Pouilloux les 1er Février 2006 et 1er Mars 2007*, edited by I. Boehm and S. Müller-Celka, 121–33. Travaux de la Maison de l'Orient et de la Méditerranée 54. Lyon: Maison de l'Orient et de la Méditerranée.
- \_\_\_\_\_. 2011. "Linear A Tablet ≠ Linear B Tablet." In *Πεπραγμένα Ι' Διεθνούς Κρητολογικού Συνεδρίου: Χανιά, 1–8 Οκτωβρίου 2006*, edited by M. Andreadaki-Vlazaki and E. Papadopoulou, 331–43. Chania: Φιλολογικός Σύλλογος "Ο Χρυσόστομος".
- \_\_\_\_\_. 2012. "The Transition from the Linear A to the Linear B Sealing System." In *Seals and Sealing Practices in the Near East: Developments in Administration and Magic from Prehistory to the Islamic Period. Proceedings of an International Workshop at the Netherlands – Flemish Institute in Cairo on December 2–3, 2009*, edited by I. Regulski, K. Duistermaat and P. Verkinderen, 33–49. Leuven: Peeters.
- \_\_\_\_\_. 2013. "Saving on Clay: The Linear B Practice of Cutting Tablets." In *Writing as Material Practice: Substance, Surface and Medium*, edited by K.E. Piquette and R.D. Whitehouse, 175–91. London: Ubiquity.
- \_\_\_\_\_. 2017a. "Linear B Script and Linear B Administrative System – Different Patterns in their Development." In *URBS*, 57–68..
- \_\_\_\_\_. 2017b. "From Minoan to Mycenaean Elongated Tablets: Defining the Shape of Aegean Tablets." In *Aegean Scripts I*, 115–26.
- Tomkins, P. 2018. "Inspecting the Foundations: The Early Minoan Project in review." In *From the Foundations to the Legacy of Minoan Archaeology*, edited by M. Relaki and Y. Papadatos, 32–80. Oxford: Oxbow.
- Tsikritsis, M.D. 2001. *Γραμμική Α: Συμβολή στην Κατανόηση μιας Αιγαϊακής Γραφής*. Heraklion: Βικελαία Δημοτική Βιβλιοθήκη.
- Tsipopoulou, M. 1997. "Palace-centred Politics in Eastern Crete." In *Aspects of Urbanism in Antiquity: From Mesopotamia to Crete*, edited by W.E. Aufrecht, N.A. Mirau and S.W. Gauley, 263–77. Sheffield: Sheffield Academic Press.
- \_\_\_\_\_. 2012. "Introduction: 25 Years of Excavations and Studies at Petras." In *Petras, Siteia – 25 Years of Excavations and Studies. Acts of a Two-Day Conference Held at the Danish Institute at Athens, 9–10 October 2010*, edited by M. Tsipopoulou, 45–68. Monographs of the Danish Institute at Athens 16. Athens: The Danish Institute at Athens.
- Tsipopoulou, M., and E. Hallager. 1996. "Inscriptions with Hieroglyphs and Linear A from Petras, Siteia." *SMEA* 37: 7–46.
- \_\_\_\_\_. 2010. *The Hieroglyphic Archive at Petras, Siteia*. Monographs of the Danish Institute at Athens 9. Athens: The Danish Institute at Athens.
- Tzachili, I. 2007. "Weaving at Akrotiri, Thera: Defining Cloth-making Activities as Social Process in a Late Bronze Age Aegean Town." In *Ancient Textiles. Production, Craft and Society. Proceedings of the First International Conference on Ancient Textiles, Held at Lund, Sweden and Copenhagen, Denmark, on March 19–23, 2003*, edited by C. Gillis and M.-L. B. Nosch, 190–6. Ancient Textiles Series 1. Oxford: Oxbow.
- Tzachili, I., and A. Karnava. 2016. "An Inscribed Lychnos Base from Akrotiri, Thera." *Minos* 39: 27–49.
- Tzachili, I., S. Spantidaki, E. Andersson Strand, M.-L. Nosch, and J. Cutler. 2015. "Textile Tools from Akrotitri, Thera, Greece." In *Tools, Textiles and Context. Investigating Textile Production in the Aegean and Eastern Mediterranean Bronze Age*, edited by E. Andersson Strand and M.-L. Nosch, 243–6. Ancient Textiles Series 21. Oxford – Philadelphia: Oxbow.
- Tzigounaki, A., and A. Karnava. 2020. "Incised and Impressed Objects from Kalo Chorafi, Mylopotamos in Rethymno." In *Eleutherna, Crete and the Outside World*, edited by N.C. Stampolidis and M. Giannopoulou, 319–28. Athens: University of Crete.
- Ulanowska, A. 2017. "Textile Technology and Minoan Glyptic: Representations of Loom Weights on Middle Minoan Prismatic Seals." In *Sympozjum Egejskie. Papers in Aegean Archaeology*, Volume 1, edited by K. Żebrowska, A. Ulanowska and K. Lewartowski, 57–66. Warsaw: University of Warsaw.
- \_\_\_\_\_. Forthcoming. "Stamped, Incised, Inscribed: Some Remarks on Notation Practices on Textile Tools from Bronze Age Greece." In *Meaningful Practices. Non Scribal Communication in the Aegean and the Near East during the Bronze Age*, edited by M.E. Alberti, A.M. Jasink and J. Weingarten. Firenze: Periplo.
- Vakirtzi, S. 2019. "The Loomweights." In *Akrotiri, Thera. Middle Bronze Age: Pottery and Stratigraphy I. Stratigraphy, Ceramic Typology and Technology, Weaving Equipment*, edited by I. Nikolakopoulou, 485–500. Βιβλιοθήκη της Εν Αθήναις Αρχαιολογικής Εταιρείας 318. Athens: Η Εν Αθήναις Αρχαιολογική Εταιρεία.
- Valério, M. 2007. "'Diktaiān Master': A Minoan Predecessor of Diktaiān Zeus in Linear A?" *Kadmos* 46: 3–14.

- \_\_\_\_\_. 2015. "Linear A *du-pu<sub>2</sub>-re*, Hittite *tabarna* and their Alleged Relatives Revisited." *Journal of Language Relationship* 13: 329–54.
- \_\_\_\_\_. 2016. *Investigating the Signs and Sounds of Cypro-Minoan* Ph.D. diss., University of Barcelona.
- \_\_\_\_\_. 2017a. "Λαβύρινθος and Word-initial Lambdacism in Anatolian Greek." *Journal of Language Relationship* 15: 51–9.
- \_\_\_\_\_. 2017b. "Script Comparison in the Investigation of Cypro-Minoan". In *URBS*, 127–61..
- \_\_\_\_\_. 2018. "Cypro-Minoan: An Aegean-Derived Syllabary on Cyprus (and Elsewhere)." In *Paths into Script Formation in the Ancient Mediterranean*, edited by S. Ferrara and M. Valério, 103–28. SMEA NS Supplemento 1, Roma: Quasar.
- Vandenabeele, F. 1974. "Les Idéogrammes de Vases sur les Tablettes en Linéaire A de Hagia Triada et Phaistos." *BCH* 98: 5–21.
- Vasilogamvrou, A., J. Bennet, A. Karagianni, V. Petrakis, N. Karadimas, and E. Kardamaki. 2024. "An Assemblage of Linear B Administrative Documents from Ayios Vasileios, Laconia: Preliminary Report on the study of the Documents in their Archaeological Context." In *KO-RO-NO-WE-SA*, 45–84.
- Wace, A.J.B. 1956. "Foreword." In *Docs*, xiii–xxxi.
- Warren, P. 2012. "Petras in Context: Localism, Regionalism, Internationalism." In *Petras, Siteia – 25 Years of Excavations and Studies. Acts of a Two-Day Conference Held at the Danish Institute at Athens, 9–10 October 2010*, edited by M. Tsipopoulou, 355–59. Monographs of the Danish Institute at Athens 16. Athens: The Danish Institute at Athens.
- Warren, P., and V. Hankey. 1989. *Aegean Bronze Age Chronology*. Bristol: Bristol Classical Press.
- Watrous, L.V., D. Matthew Buell, J.C. McEnroe, J.G. Younger, L.A. Turner, B.S. Kunkel, K. Glowacki, S. Gallimore, A. Smith, P.A. Pantou, A. Chapin, and E. Margaritis. 2015. "Excavations at Gournia, 2010–2012." *Hesperia* 84: 397–465.
- Webb, J.M. 2002. "Device, Image and Coercion: The Role of Glyptic in the Political Economy of Late Bronze Age Cyprus." In *Problems and Prospects in the Study of Script and Seal Use on Cyprus in the Bronze and Iron Ages*, edited by J.S. Smith, 111–54. Boston: Archaeological Institute of America.
- Weilhartner, J. 2012a. "Die graphische Gestaltung der Tierlogogramme auf den Linear B-Tafeln." In *Akten des 13. Österreichischen Archäologentages, Klassische und Frühgäische Archäologie, Paris – Lodron – Universität Salzburg vom 25. bis 27. Februar 2010*, edited by C. Reinholdt and W. Wohlmayr, 63–73. Wien: Phoibos.
- \_\_\_\_\_. 2012b. "Gender Dimorphism in the Linear A and Linear B Tablets." In *KOSMOS. Jewellery, Adornment and Textiles in the Aegean Bronze Age. Proceedings of the 13th International Aegean Conference, University of Copenhagen, Danish National Research Foundation's Centre for Textile Research, 21–26 April 2010*, edited by M.-L. Nosch and R. Laffineur, 287–94. *Aegaeum* 33. Leuven–Liège: Peeters.
- \_\_\_\_\_. 2014. "The Influence of Aegean Iconography on the Design of the Linear B Logograms for Animals, Plants and Agricultural Products." In *PHYSIS. Natural Environment and Human Interaction in the Prehistoric Aegean. Proceedings of the 14th International Aegean Conference, Institut National d'Histoire de l'Art, Paris, 10–14 December 2012*, edited by G. Touchais, R. Laffineur and F. Rougemont, 297–307. *Aegaeum* 37. Leuven – Liège: Peeters.
- \_\_\_\_\_. 2015. "The Design of Linear B Logograms: Palaeographic Traditions and Visual Inspiration." In *Tradition and Innovation in the Mycenaean Palatial Polities. Proceedings of an International Symposium Held at the Austrian Academy of Sciences, Institute for Oriental and European Archaeology, Aegean and Anatolia Department, Vienna, 1–2 March, 2013*, edited by J. Weilhartner and F. Ruppenstein, 255–75. *Mykenische Studien* 34. Wien: Österreichische Akademie der Wissenschaften.
- \_\_\_\_\_. 2017. "Les Idéogrammes Archéologiques: Does Variation Matter?" In *Aegean Scripts I*, 169–92.
- \_\_\_\_\_. 2019. "The Use of Heirlooms in Mycenaean Sealing Practices." In *MNHMH. Past and Memory in the Aegean Bronze Age. Proceedings of the 17th International Aegean Conference, University of Udine, Department of Humanities and Cultural Heritage, Ca' Foscari University of Venice, Department of Humanities, 17–21 April 2018*, edited by E. Borgna, I. Caloi, F. Carinci and R. Laffineur, 497–505. *Aegaeum* 43. Liège – Austin: Université de Liège and University of Texas.
- \_\_\_\_\_. Forthcoming a. "Simplification through Time and Some Trends Against It: Observations on the Design of Logograms." In Forthcoming Festschrift.
- \_\_\_\_\_. Forthcoming b. "The Linear B Logograms for Wool and Textiles: Some Thoughts on their Characteristics." In *Textiles and Seals. Relationships between Textile Production and Seals and Sealing Practices in the Bronze to Iron Age Mediterranean and the Near East. Proceedings of an Online Conference in March 2021*, edited by A. Ulanowska.
- Weingarten, J. 1983. "The Use of the Zakro Sealings." *Kadmos* 22: 8–13.
- \_\_\_\_\_. 1986. "The Sealing Structures of Minoan Crete: MM II Phaistos to the Destruction of the Palace at Knossos. Part

- I: The Evidence until the LM IB Destructions.” *OJA* 5: 279–98.
- \_\_\_\_\_. 1988. “The Sealing Structures of Minoan Crete, Part II: The Evidence from Knossos Until the Destruction of the Palace.” *OJA* 7: 1–25.
- \_\_\_\_\_. 1990. “Three Upheavals in Minoan Sealing Administration.” In *ASSA*, 105–20.
- \_\_\_\_\_. 1994. “Sealings and Sealed Documents at Bronze Age Knossos”. In *Knossos: A Labyrinth of History. Papers Presented in Honour of Sinclair Hood*, edited by D. Evely, H. Hughes-Brock and N. Momigliano, 89–103. Oxford–Bloomington: Oxbow.
- \_\_\_\_\_. 2007. “Noduli, Sealings and a Weight from Deposits A and E.” In *Knossos: Protopalatial Deposits in Early Magazine A and the South-West Houses*, edited by C. Macdonald and C. Knappett, 134–39. *BSA Supplementary Volume 40*. London: The British School at Athens.
- \_\_\_\_\_. 2010. “Minoan Seals and Sealings.” In *OHBA*, 317–28.
- \_\_\_\_\_. 2022. “The Use and Re-use of Gold Rings in Knossos after the LM IB Destructions.” In *One State*, 129–37.
- Whitelaw, T. 2022. “Knossos during LM II–IIIB: Dynamism and Development. In *One State*, 35–70.
- Wiener, M.H. 2015. “The Mycenaean Conquest of Minoan Crete.” In *The Great Islands: Studies of Crete and Cyprus presented to Gerald Cadogan*, edited by C.F. Macdonald, E. Hatzaki, and S. Andreou, 131–42. Athens: Kapon.
- \_\_\_\_\_. 2022. “The Fateful Century: From the Destruction of Crete ca. 1450–1440 to the Destruction of Knossos ca. 1350–1340.” In *One State*, 97–116.
- Wiley, E.O. 2013. “Cladistics.” In *Brenner’s Encyclopedia of Genetics*. Second Edition, Volume 2, edited by S. Molloy and K. Hughes, 18–20. London – Waltham – San Diego: Academic Press.
- Woodard, R.D. 2004a. “Attic Greek.” In *CEAL*, 614–49.
- Woudhuizen, F.C., and J. Best. 1989. *Lost Languages from the Mediterranean*. Leiden: Brill.
- Younger, J.G. 1996–1997. “The Cretan Hieroglyphic Script: A Review Article.” *Minos* 31–32: 379–400.
- \_\_\_\_\_. 2005. “Cretan Hieroglyphic Wool Units (LANA, double mina).” In: *Studi in onore di Enrica Fiandra. Contributi di Archeologia Egea e Vicinorientale*, edited by M. Perna, 405–9. *Studi Egei e Vicinorientali* 1. Paris: De Boccard.
- \_\_\_\_\_. 2024a. “Linear A Lexicon”. Updatable file downloadable from [https://www.academia.edu/120182223/Linear\\_A\\_Lexicon](https://www.academia.edu/120182223/Linear_A_Lexicon) (last recorded update: 26 May 2024).
- \_\_\_\_\_. 2024b. “Linear A Texts in Phonetic Transcription: Other Texts (not Hagia Triada)” Updatable file downloadable from [https://www.academia.edu/120182370/Linear\\_A\\_Texts\\_in\\_phonetic\\_transcription\\_Other\\_Texts\\_not\\_Hagia\\_Triada](https://www.academia.edu/120182370/Linear_A_Texts_in_phonetic_transcription_Other_Texts_not_Hagia_Triada) (last recorded update: 28 March 2024; last access 15 July 2024).
- \_\_\_\_\_. 2024c. Linear A Folder (Introduction, Lexicon, Phonetic Transcription of Ayia Triada inscriptions and those of other sites, Index/Lexicon, List of Updates). Available as downloadable files in \*.pdf format from <https://kansas.academia.edu/JYounger>
- Yule, P. 1980. *Early Cretan Seals: A Study of Chronology*. Marburger Studien zur Vor-und Frühgeschichte 4. Mainz: von Zabern.

## ADDITIONAL DIGITAL RESOURCES

This section includes works other than those published in permanent electronic downloadable format.

- Bagnall, R., and R. Talbert. Senior eds. *Pleiades: A Gazetteer of Past Places*. <http://pleiades.stoa.org/> (last access: 28 January 2024).
- British Museum Collection Search: <https://www.britishmuseum.org/collection>
- Carling, G. ed. *Diachronic Atlas of Comparative Linguistics Online (DiACL)*. Lund: Lund University. Website: <https://diacl.uni-frankfurt.de/>
- Reich, D. 2006–2023. *David Reich Lab: Ancient DNA, Biology and Disease*. “Datasets” accessible at <https://reich.hms.harvard.edu/datasets>.
- ETANA: Electronic Tools and Ancient Near East Archives (2002) Web Archive. Website: <http://www.etana.org>
- ENA: European Nucleotide Archive (EMBL’s European Bioinformatics Institute, EMBL-EBI) (2022). Website: <https://www.ebi.ac.uk/ena/browser/home> .

- Go-Fair Initiative. Website: <http://go-fair.org/> (last access 9 February 2024).
- Hammarström, H., R. Forkel, M. Haspelmath, and S. Bank, eds. 2022. *Glottolog v. 4.6*. Leipzig: Max Planck Institute for Evolutionary Anthropology. <https://doi.org/10.5281/zenodo.6578297>; Website: <http://glottolog.org>
- German Archaeological Institute: Archaeological Online Resources. Website: <https://idai.world/>
- Hogan, R., ed. 2022. *Linear A Explorer*. Website: <https://lineara.xyz/>
- Kinnunen, J., ed. 2022. *Haplotype Information Project* Website: <https://haplotree.info>. Samples from Greece can be directly accessed in the following link: [https://haplotree.info/maps/ancient\\_dna/samples.php?searchcolumn=Country&searchfor=Greece&ybp=500000.0](https://haplotree.info/maps/ancient_dna/samples.php?searchcolumn=Country&searchfor=Greece&ybp=500000.0)
- Nørtoft, M., and H. Schroeder, eds. *Ancient Genomes*. <https://ancientgenomes.com> (last access: 28 January 2024).
- Poseidon Framework. Leipzig: Max Planck Institute for Evolutionary Anthropology, Department of Archaeogenetics. Website: <https://www.poseidon-adna.org/#/>
- Quiles, C. 2020. “Online GIS maps of ancient Y-DNA, mtDNA and ADMIXTURE”. <https://indo-european.eu/2020/06/online-gis-maps-of-ancient-y-dna-mtdna-and-admixture/>
- Swindale, I., ed. 2018. *Minoan Crete*. Website: <http://www.minoancrete.com/index.htm>
- Sheppard Baird, W. 2007, 2024. *Minoan Atlantis*. Website that used to be accessible in <http://www.minoanatlantis.com>. The website links appear to be non-operative when this text was last reviewed.
- Spencer, R. ed. *Tracking Back: A Website for Genetic Genealogy Tools, Experimentation and Discussion*. Website: <http://scale-dinnovation.com/gg/gg.html>
- Van Bree, P., and G. Kessels. 2013. “Nodegoat: A Web-Based Data Management, Network Analysis and Visualisation Environment” <http://nodegoat.net>; from LAB1100. <https://lab1100.com/nodegoat>
- Vis Network, 2023. <https://github.com/visjs/vis-network>

