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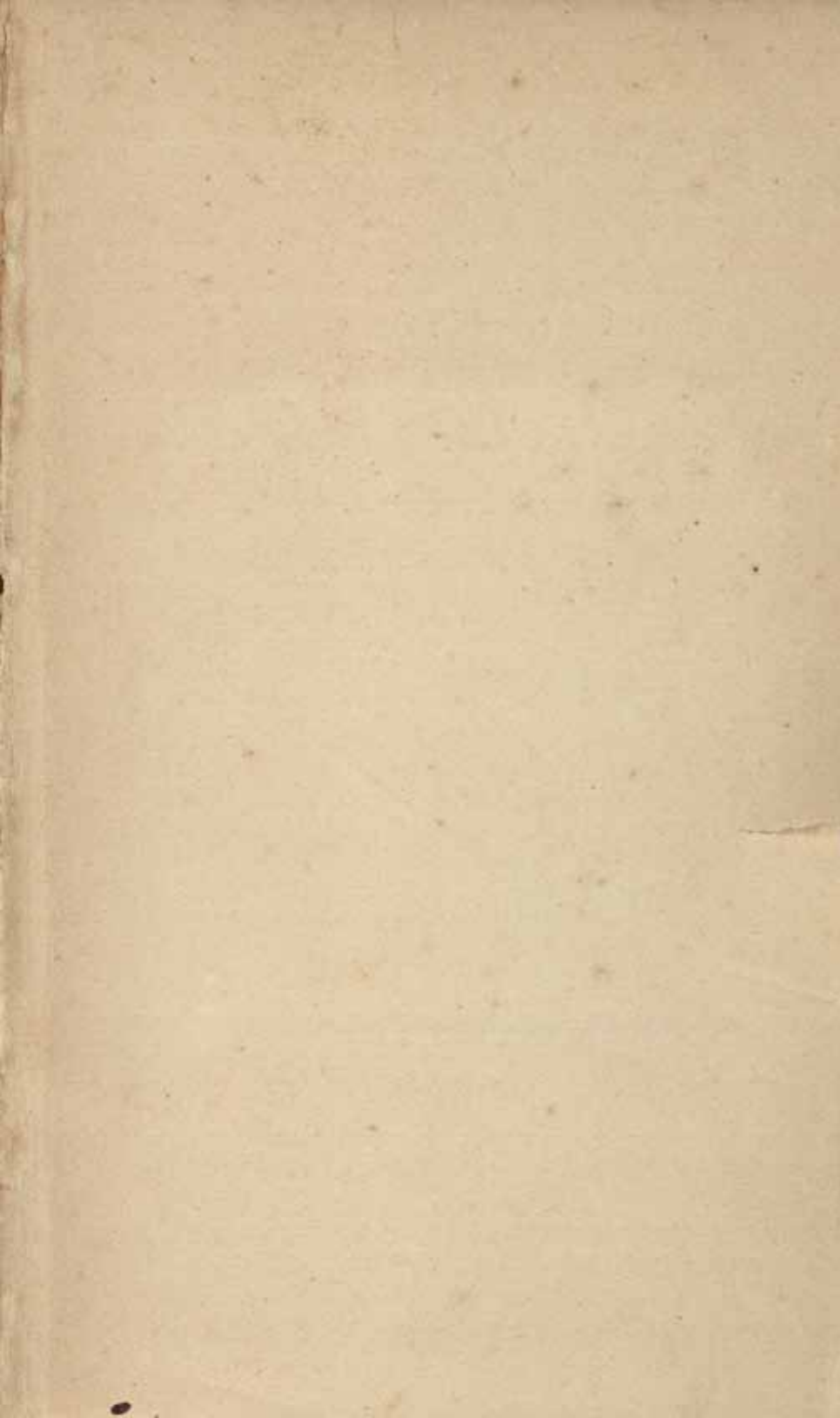
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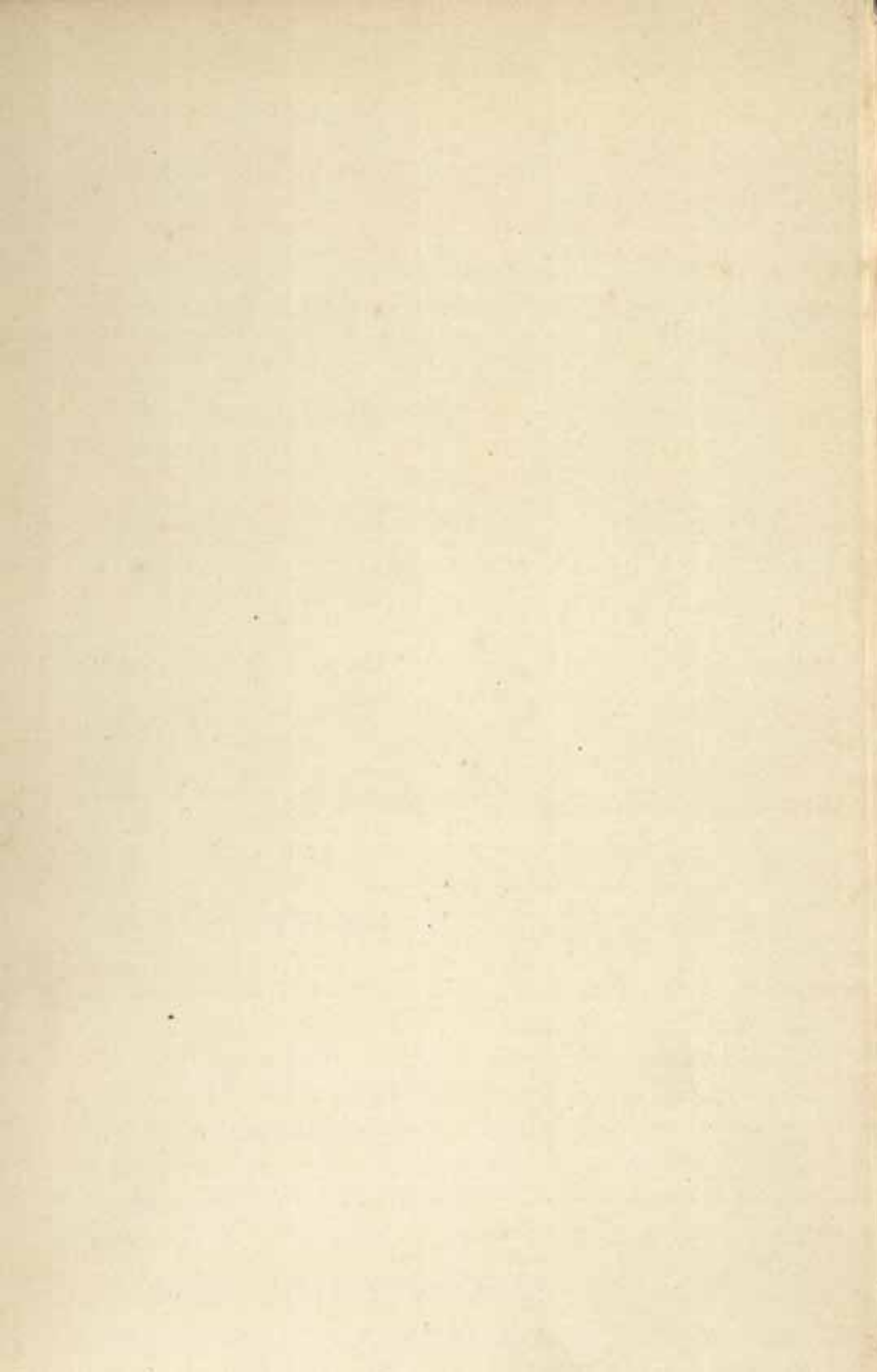


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THE
OLDEST CIVILIZATION
OF GREECE

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A MYCENÆAN (*Kestiu*) BRINGING GIFTS TO THE COURT OF
THOTHMES III.; *circa* B.C. 1550.—WALL-PAINTING IN
THE TOMB OF REKHMARA AT THEBES

THE
OLDEST CIVILIZATION
OF GREECE

STUDIES OF
THE MYCENÆAN AGE



14913

BY

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PREFACE

THE series of "Studies of the Mycenaean Age" which are comprised in this volume contain the notes made during the course of some years' study of the "Mycenaean Question," expanded and thrown into a connected form. The chief problems of "Mycenaean" archæology are dealt with separately, but at the same time are also, as far as possible, connected in order to form a homogeneous study of the Mycenaean Question as it stands to-day. Here and there it has been found impossible, when discussing some one problem, to steer clear of trenching upon the domain of another; repetition of argument has, however, been as far as possible avoided, and it is hoped that these chapters will be of use both to the scientific archæological student and to the layman who interests himself in the most fascinating search which ever yet allured the seeker after forgotten history—the search for the origins of Greek civilization.

It must ever be borne in mind that this search is still being pursued amid the clouds. We are not on firm earth when we are dealing with things Mycenaean, and have still to walk warily. It must be remembered that all statements as to the "history"

of Greek civilization before the eighth century B.C., must needs be more or less hypothetical; we seek to explain the prehistoric monuments of Greece by more or less probable hypotheses and theories. Our explanation of the development of præ-classical Greek culture is, therefore, merely a collection of theories and hypotheses. And although the majority of students of the Mycenæan Question are agreed with regard to the greater part of these explanatory hypotheses, yet in many more or less important respects they differ from one another, with the result that at present the statements of any one author on "Mycenæan" subjects must usually be taken as representing primarily his own view, for which he alone is responsible; he is not telling to the world a well-known story anew, but is giving his own particular explanation of certain phenomena which others might very conceivably explain otherwise.

With regard to the plan of the book, I may remark that I have not considered it necessary to give any long descriptions of Mycenæan palaces and tombs or to enter into any lengthy disquisitions on the characteristics and peculiarities of Mycenæan art: I assume that my readers are already more or less familiar with the sixth volume of MM. PERROT and CHAPIEZ'S *Histoire de l'Art*, with SCHUCHHARDT'S Epitome of Schliemann's works, or with the *Mycenæan Age* of Messrs. TSOUNTAS and MANATT, in which the fullest description of the details of Mycenæan culture may be found.

The term "Mycenæan" I have used in its widest

sense, as covering the typical "Cycladic" deposits of Thera, Phylákopê; Kamárais, and the older settlement at Knóssos, as well as the period of the palace of Knóssos, the Mycenæ-graves, Ialysos, and Vaphio, the "Mycenæan period" in its narrower sense. The term "Præ-Mycenæan" I have used only with reference to the primitive epoch of the cist-graves; the succeeding period of transition, the "Cycladic" period of Mr. Myres, I have preferred to call "Proto-Mycenæan." To apply the term "Præ-Mycenæan" to this transitional period seems to me to give the impression that the culture of the Third City of Phylákopê differed far more from that of the Fourth than is really the case.

I have endeavoured to discuss the question of the relations of the Mycenæans with the East and with Egypt as fully as is possible within the compass of this book. The question of Mycenæan relations with Sicily, Italy, and the West, I have merely referred to as shortly as possible. The discoveries of Signor ORSI and his fellow-workers in the Western field are so recent that their results can hardly yet be fully discussed.

The chronological scheme which will be found at the end of the book is intended merely as a rough guide. The dates given in it are all approximate, and many are, of course, purely hypothetical. The period of the Aryan invasion must naturally be understood to cover several centuries; perhaps earlier, perhaps later than the date given.

The illustrations are, in general, intended to be rather helps to the better understanding of the

subject-matter by the layman than contributions to the knowledge of the subject already possessed by the archaeologist; the latter will, however, I hope, find the illustrations to chapter vi., on "Mycenæ and Egypt," useful to him. In the "List of Illustrations" will be found explanatory notes appended to the titles of the figures,

In conclusion, I wish to thank many friends, especially Dr. E. A. WALLIS BUDGE and Mr. L. W. KING, of the Egyptian and Assyrian Department, and Mr. H. B. WALTERS, of the Greek and Roman Department of the British Museum, for many hints and suggestions, and also Dr. A. S. MURRAY, Keeper of the Greek and Roman Department, for his kind permission to publish the silver cup from Enkomi, Fig. 24, and the pictographic inscription, Fig. 64.

H. R. HALL.

February 1901.

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LIST OF ABBREVIATIONS

- Aarbsiger af det Kgl. Nord. Oldskrift Selsk.*, *Aarbsiger af det Konglig Nordiske Oldskrift Selskab*, Copenhagen.
- Abhandl. kgl. preuss. Akad.*, *Abhandlungen der königlichen preussischen Akademie der Wissenschaften*, Berlin.
- Ä. Z.*, *Zeitschrift für Agyptische Sprache und Altertumskunde*, Berlin.
- Am. Journ. Arch.*, *American Journal of Archaeology*, Princeton, U.S.A.
- Ann. Brit. Sch. Ath.*, *Annual of the British School at Athens*.
- Annali*; *Annali dell' Istituto di Correspondenza Archeologica*, Rome.
- Antiqv. Tidskr. för Sverige*; *Antiqvarisk Tidskrift för Sverige*, Stockholm.
- Arch. Anz.*, *Archäologische Anzeiger* (published with *Jahrb. Arch. Inst.*, *q.c.*).
- Arch. Zeitg.*, *Archäologische Zeitung*, Berlin.
- Ath. Mitth.*, *Mittheilungen des Kaiserlich Deutschen Archäologischen Instituts, Athenische Abteilung*, Athens.
- B. C. H.*, *Bulletin de Correspondance Hellénique*, Paris.
- Bull. di Paletnologia italiana*; *Bulletino di Paletnologia italiana*, Parma.
- BUSOLT, Gr. Gesch.*, *BUSOLT, Griechische Geschichte*, Gotha, 1893.
- BRUGSCH, Wörterbuch*; *H. BRUGSCH, Hieroglyphisch-Demotisches Wörterbuch*.
- C. I. G.*, *Corpus Inscriptionum Græcarum*.
- Catalogue des Monuments*; *Catalogue des Monuments et Inscriptions de l'Égypte Antique*, Vienna, 1894.

CHAMPOLLION, *Monuments*: CHAMPOLLION, Monuments de l'Égypte et de la Nubie, Paris, 1835.

Chr. Or. (c. REINACH).

Class. Rev., Classical Review.

DE MORGAN, *Recherches*: DE MORGAN, Recherches sur les Origines de l'Égypte, Paris, 1896-7.

DÜMICHEN, *Histor. Inschr.*, DÜMICHEN, Historische Inschriften, Leipzig, 1867.

E. T., English Translation.

EVANS, *Pictographs*: A. J. EVANS, Cretan Pictographs and Pre-Phœnician Script, London, 1895.

Ἐφημ. { Ἐφημερίς Ἀρχαιολογική, Athens.
Ἐφημ. Ἀρχ. }

FRAZER, *Paus.*, FRAZER, Pausanias's Description of Greece, London, 1898.

FURTW.-LÖSCHCKE: { FURTWÄGLER and LÖSCHCKE,
FURTWÄGLER-LÖSCHCKE: { Mykenische Vasen, Berlin,
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J. H. S., Journal of Hellenic Studies, London.

Jahrb. Arch. Inst., Jahrbuch des Kaiserlich Deutschen Archäologischen Instituts, Berlin.

Journ. Anthropol. Inst., Journal of the Anthropological Institute, London.

Kgl. Vitterhets Akad. Handlingar: Handlingar af Konglig Historie och Vitterhets Akademien, Stockholm.

MASPÉRO, *Hist. Anc. Or.*, MASPÉRO, Histoire Ancienne des Peuples de l'Orient, Paris, 1886.

Mir. Or. (c. REINACH).

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- Neue Jahrbücher. Klass. Alt.*, Neue Jahrbücher des klassischen Altertums.
- P. S. B. A.*, Proceedings of the Society of Biblical Archaeology, London.
- PAPE-BENSELER, *Wbch. Gr. Eigenn.*, W. PAPE and G. BENSELER, Wörterbuch der griechischen Eigennamen, Braunschweig, 1884.
- PERROT-CHIPIEZ: G. PERROT and C. CHIPIEZ, *Histoire de l'Art dans l'Antiquité*, Paris (in progress).
- Proc. Soc. Antiq.*, Proceedings of the Society of Antiquaries, London.
- Recueil*: Recueil de Travaux relatifs à la Philologie et à l'Archéologie Égyptiennes et Assyriennes, Paris.
- R. I. H.*, E. DE ROUGÉ, *Inscriptions Hiéroglyphiques*, Paris, 1877.
- RAWLINSON, *Western Asiatic Inscriptions*: RAWLINSON, Cuneiform Inscriptions of Western Asia, London, 1861-91.
- REINACH, *Mir. Or.*, SALOMON REINACH, *La Mirage Oriental*: *Chr. Or.* ii. p. 509 ff.
- REINACH, *Chr. Or.*, SALOMON REINACH, *Chroniques de l'Orient*, Paris, 1891-6.
- Rec. Arch.*, *Revue Archéologique*, Paris.
- Rhein. Mus.*, *Rheinisches Museum*, Bonn.
- Röm. Mitth.*, *Mittheilungen des Kaiserlich Deutschen Archäologischen Instituts, Römische Abtheilung*, Rome.
- Sitzber. der kgl. bayr. Akad.*, *Sitzungsberichte der königlichen bayerischen Akademie der Wissenschaften*, Munich.
- SCHUCHHARDT: | SCHUCHHARDT, Schliemann's
SCHUCHHARDT, *Schliemann*: | Excavations, London, 1891.

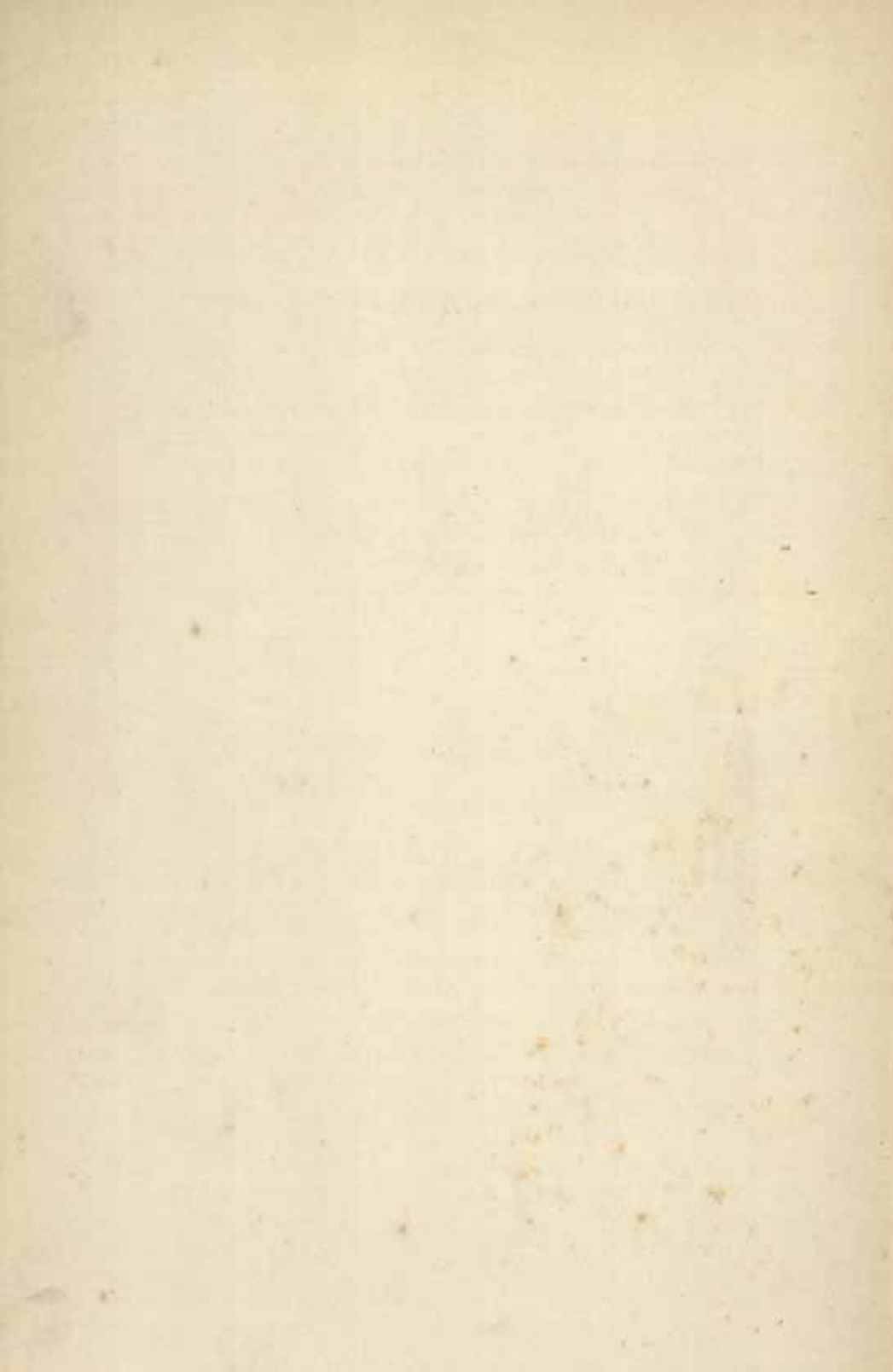
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- T. S. B. A.*, Transactions of the Society of Biblical Archaeology, London.
- Trans. R. Soc. Lit.*, Transactions of the Royal Society of Literature, London.
- TSOUNTAS-MANATT: Prof. Dr. CHRÍSTOS TSOUNTAS and Dr. J. IRVING MANATT, *The Mycenaean Age*, London, 1897.
- W. A. I., RAWLINSON, *Western Asiatic Inscriptions*, *q.v.*
- W. M. MÜLLER: W. MAX MÜLLER, *Asien und Europa*, Leipzig, 1893.
- Wbch. Gr. Eigenn.* (*v. PAPE-BENSELER*).
- Ymer*: *Ymer*, Tidskrift utgifven af Svenska Sällskapet för Antropologi och Geografi, Stockholm.

NOTE

I have specially re-translated all the passages from Egyptian inscriptions, &c., which are quoted in this book. With regard to the transliteration of Egyptian and Assyrian words, it may be noted that š = sh, s = ts, t' = tch, dj, zh, or some such sound, while ĥ is strongly aspirated = hh (as in the Arabic kohl), and ħ = kh, German ch. The forms of Egyptian names of foreign peoples given in brackets by the side of the usual forms, e.g. (Aqaiwaaša) by the side of Akaiwasha, are stricter and more accurate transliterations of the hieroglyphs. In speaking of the Egyptian king Amenhetep IV., I have preferred to use the better-known form of his later name, Khuenäten, rather than the less-known Ākhenäten. The name Keftiu is properly that of the country, not the people; but I have usually preferred to speak of the people as simply Keftiu, rather than use such a cumbersome expression as "Keftiu-people" or the hybrid "Keflians." I may further note that the spiral design at the top of the cover is Mycæan, being taken from the gravestone published originally in SCHLIEMANN'S Mycènes, Fig. 140, while that at the bottom is Egyptian, being taken from the ornamentation of some of the pillars in Khuenäten's palace at Tell el-Amarna, pl. x. 2.

H. H.



THE OLDEST CIVILIZATION OF GREECE :

STUDIES OF THE MYCENÆAN AGE

I

THE NEW CHAPTER OF GREEK HISTORY— ARCHÆOLOGIST AND HISTORIAN

FOR some years past one of the dominant objects of historical study in the Hellenic field has been the search for the origins of Greek civilization, the attempt to elucidate the early history of the Hellenic culture and of the Hellenic race. Twenty years ago our knowledge of Greek history could hardly be said to have extended much further back than the beginning of the seventh century B.C.; before that time all seemed vague and untrustworthy, a realm of legend and of fairy-tale. The historian of Greece could go no further than the limit to which Thucydides and Herodotos could take him; the only glimpse which he possessed of the earlier ages was afforded him by the beacon-light of Homer, which, however, served but to make the surrounding darkness more visible. The Homeric period seemed to be entirely isolated; an impassable gap separated the Greece of Homer from the Greece of Herodotos; the

period of time which had elapsed between the two could not be estimated with any approach to certainty, nor could the process of the development of the civilization of the classical out of that of the Homeric period be traced with any attempt at accuracy. Behind Homer lay impenetrable darkness. To-day, however, the veil which hid the origins of Greek civilization from us has, at least partially, been lifted, and although much is as yet uncertain, the historian of Greece can at least say with truth that his knowledge of Greek story no longer ends in the seventh century; he is now not only able to connect the Homeric period with the classical age, but his range of vision extends beyond Homer and brings him almost to the very beginnings of Greek civilization. He does not, however, owe this increased range of vision to himself alone; it is to the spade of the archæologist, not to the pen of the historian, that the discovery of the origins of Hellas is due. Formerly the archæologist was but the servant of the historian; it was his duty merely to illustrate by his discoveries the materials which the historian drew from his ancient authorities. Now, however, it is to the archæologist that the historian looks to give him increased knowledge, to supply him with facts with which he may reconstruct the lost history of præ-classical Greece.

The present energy of the archæologist in Greece and the modern interest in early Greek archæology date from and are a consequence of the epoch-making discoveries of the beginning of the XIXth century in the domain of Egyptian and Oriental archæology.

A new world was opened to us by these discoveries; the horizon of our knowledge of the ancient civilizations of the earth was widened indefinitely by them; and it was not long before classical students began, after much doubt and incredulity, to ask themselves how far this new knowledge might bear upon the early history of the Greeks. But not all: many classical scholars were utterly unable to conform themselves to the new order of ideas. The keen intellect of Sir G. C. Lewis, for instance, was unable to grasp the meaning of the new discoveries; he continued to the end of his days refusing to believe that anybody could read a single hieroglyph or interpret a single group of wedges. But these were exceptions: others—among them Mr. Gladstone—turned eagerly to the new light for information, and when it was found that, although Herodotos's oriental history might be to a great extent confirmed by the Inscription of Behistun and other early trophies of cuneiform study, yet his history of Egypt was so legendary and unreliable as to be of little use to anybody but the folklorist, the results of Egyptological study were utilized by them for the purpose of further elucidating the Homeric question.¹ Although the Homeric poems were still regarded in England as the work of a single hand, yet they were now studied not merely in order to "properly base οὐν" or to trace the pedigree of the digamma, but to glean knowledge of that heroic age of which "Homer" sang, and to seek out through him the secret of the origins of Hellas.

¹ *E.g.* GLADSTONE, *Juventus Mundi*, p. 144; and elsewhere.

It was in the early sixties that De Rougé translated the inscriptions of Merenptah and Rameses III. (B.C. 1250-1150), which record the two great invasions of Egypt by the piratical hordes of the Mediterranean and their successive defeats at Piarišeps and off the coast of Palestine, and announced to the world that Achaians, Danaans, Pelasgians, Teukrians, and Dardanians had formed part of the invading hosts. The question of the correctness of his identifications will be discussed later; at the time many were incredulous, many hailed his announcement with sanguine interest and anticipation. It was evident that the Homeric period was a time of storm and stress, of wars and wanderings; and the picture of the Homeric Greeks warring with Asia Minor and adventuring far voyages to Egypt and to the West, as if already disturbed and displaced by the pressure of the Dorians from the North, certainly tallied well with the indications given by the Egyptian records of occasional visits from the piratical ships of the wandering clansmen of the "Very Green" Sea, coming sometimes as single spies, sometimes in battalions, sometimes to settle in the islands and marshes of the Delta, more often to burn, to slay, and to enslave. And did not the legends of Hellas tell of Egyptian and Oriental settlers in Greece itself: of Inachos and Danaos in Argolis, of Kekrops in Athens, of Kadmos, "the man from the East," in Bœotian Thebes? Whence did this last name come to Greece if not from Egypt? Thothmes III. made Cyprus tributary—why not also more westerly islands and coasts?

Such considerations as these prompted Mr. Gladstone—relying on such interpretations of Thothmes III.'s famous "Hymn to Amen" at Karnak¹ as that given by Lenormant—to conjure up for us a Homeric Greece which had been conquered long before the days of Agamemnon by Thothmes III., and had thereafter been ruled by Egyptian vicegerents of the Theban Pharaohs, who, as depositaries of the wisdom of the Egyptians, dispensed the civilization of the Black Land to their eager subjects, and became the founders of most of the princely houses of Greece.² Few found themselves able to follow Lenormant and Gladstone; all that could be admitted was that, since at a time not long anterior to the "Homeric period" Egyptian conquest had reached Cyprus and the southern coast of Asia Minor, and wandering seafarers—quite possibly and very probably Greeks—had reached Egypt, an actual connection between Greece and Egypt might quite possibly have existed at that time, but that tangible proof of any Egyptian influence upon early Greek civilization at that epoch did not exist.

So stood the matter when Schliemann, great in faith and in works, excavated Troy, Mycenæ, and Tiryns, thus applying a method of investigation already successful in Egypt and Assyria to Greece. His startling discoveries compelled classical scholars once again to abandon preconceived notions and to revise their ideas anew. Had we at last reached the age of

¹ *Histoire Ancienne des Peuples de l'Orient*, i. pp. 386, 387.

² GLADSTONE, *Homer* (Literature Primers, ed. by J. R. GREEN), p. 49.

Homer? Schliemann believed that he had discovered the actual heroes of the Trojan War; in the bones which he dug out of the graves in the akropolis of Mycenæ he saw the actual remains of Agamemnon, of Klytæmnestra, and of Aigisthos, in their golden masks the actual presentments of those whose deeds and woes Homer and Sophokles had sung. But criticism soon dismissed this idea from all minds except that of the discoverer. The fact that the Homeric Greeks burned the bodies of their dead to ashes upon a pyre, and did not mummify them as Schliemann's Mycenæans did, was sufficient to show some difference between them and the Mycenæans;¹ and the conviction that the culture of which Schliemann had discovered the remains was not that of the Homeric time, though it was evidently connected with it, gradually gained ground. Was it, then, earlier or later? At first this was difficult to decide; so much had been discovered which was foreign to the archæologist who had been trained in the school of classical Hellas, so much was entirely new and strange,² that the task of deciding the relation of the newly-discovered culture to the civilizations of the Homeric and classical periods was one of great difficulty. To place the Mycenæan remains anywhere within the classical period was impossible; it was, however, suggested that they might possibly date from the

¹ Though in reality not so great a difference as it has often been held to show.

² So new and strange that one archæologist considered the remains to be those of warriors of the Avars and Heruli, buried with their own property and the spoil of Greek cities.

Byzantine age, a suggestion made only to be conclusively refuted. Thus only two possible suppositions remained: the antiquities of Mycenæ must have dated either to the period of transition between the age of Homer and the classical time, or must have been prior to the Homeric period altogether. The simple fact that iron was almost totally absent



FIG. 1.—Mycenaean Vase (κύλιξ) from Ialysos.

from the Mycenaean tombs was enough to show the impossibility of the first supposition; the second alone remained, and was accepted by the majority. Various pieces of evidence seemed to render this view probable—*e.g.*, some Egyptian objects which bore the names of Egyptian monarchs of the XVIIIth Dynasty seemed to date the Mycenaean remains to the fifteenth century B.C. The importance of this evidence was naturally insisted upon more emphatically when similar objects were discovered in

the tombs of Ialysos in Rhodes, which were obviously contemporary with the tombs and town of Mycenæ. Then men bethought themselves of the ancient kingdom of the "fortium ante Agamemnona," of the domination of the Perseids and Pelopids over Mycenæ and many isles, which to Homer was already legendary. It was not long before the supposition that the Mycenaean culture—which, as soon became apparent, extended over the greater part of the Hellenic world—was that of the old Achæians, and that the civilization of the Homeric period was but a degenerate descendant of this, became generally accepted; and although a certain number of dissident critics protest against it from various points of view, yet this theory undoubtedly still holds the field, because it best explains the facts. A working hypothesis having thus been found to explain the discoveries of Schliemann and his successors, the question arose: How far can the origins of this highly developed "Mycenaean" culture be traced back? Attention was now directed to many products of a rude and undeveloped art, found on many sites in Greece, which existed in the various museums; these seemed in many respects to foreshadow the artistic triumphs of the Mycenaean period. That these objects were not only primitive in form, but also primitive in date, was shown by the discoveries of Bent and Dümmler in the Cyclades and in Cyprus, where were excavated a series of early graves analogous to the numberless primitive tombs of other parts of Europe, in which lay the skeletons of their owners surrounded

by their primitive weapons of copper and of stone, and the rough pottery vessels of the type already known, and considered to be of præ-Mycenæan date.¹ These discoveries connected themselves at once, on the one hand, with the early "cities" of Troy which Schliemann had excavated, and, on the other, with the scanty traces of human habitation which had been found by Fouqué underneath the volcanic tufa of the island of Thera.² Schliemann, believing his Mycenæan discoveries to be the remains of the civilization of golden Mycenæ as it was



FIG. 2.—Præ-Mycenæan Vase (προχούς) with triple body. (Cyprus.)

in the days of Agamemnon, and his burnt city of Troy to have been the very citadel of Priam, considered the Mycenæan and early Trojan stages of culture to have been contemporaneous. This conclusion was for some time tacitly accepted. But, as Professor Mahaffy has well pointed out,³ it was really from the first evident that this could not be.

¹ *v. post*, p. 25.

² *v. post*, p. 25.

³ MAHAFFY, *Survey of Greek Civilisation*, p. 26.

The weapons and pottery of the second city of Troy were in no sense on the same level of development as those of Mycenæ: not only were they absolutely different from these, but they were far more primitive in appearance and in fabric. The copper weapons and rude black pots from the Burnt City could in no way be compared with the splendid inlaid bronze swords and delicate vases from Mycenæ. It seemed at least probable that the Trojan culture was much earlier than that of Mycenæ. But could not the Trojan culture, though so much ruder and less developed than that of Mycenæ, still have been contemporaneous with it? If the Burnt City was Homer's Troy, and the akropolis-graves of Mycenæ were those of Homer's heroes, the remains from both Troy and Mycenæ should have been the same in character: in the Homeric poems there is no distinction apparent between the civilization of Troy and that of Mycenæ; they are identical. Also, since the Mycenaean culture was spread over the whole of the Ægean basin, it would naturally have been expected that, if the second Trojan city and the Mycenaean graves were contemporary, Mycenaean objects would have been found among the relics of Troy, and Trojan objects at Mycenæ. This evidence of contemporaneousness was not forthcoming. The conclusion that the Burnt City was not Homer's Troy, but a settlement of far earlier date than this, was inevitable. And since the Mycenaean culture itself had been shown to be to all appearance pre-Homeric, this date was evidently very early indeed. Absolute confirmation of this conclusion

was supplied in 1892-3 by Professor Dörpfeld's discovery that Schliemann's Sixth City was the true Mycenæan settlement of Troy, which was thus evidently much later in date than the Burnt City. And this again was confirmed by the evidence of the superimposed settlements on the akropolis of Athens, where the stratum corresponding to the Second Trojan City lay entirely beneath the Mycenæan stratum. The true position of the early Trojan settlements was now evident: they were "præ-Mycenæan," and, as the character of



FIG. 3.—Præ-Mycenæan Vase (*προχοῦς*) of black ware; hand-made. (Troy: Second City.)

their remains shows, were roughly contemporaneous with the similar relics discovered in the Cyclades and in Cyprus; while the Theræan remains seemed to

represent a period of transition from the primitive stage of culture in the Ægean basin to the fully developed Mycenæan stage.

It now did not seem impossible to trace back the præ-Mycenæan stage of early Greek culture to its beginnings. Some clue to these was given by the First City of Troy, the earliest settlement on the Athenian akropolis, and other extremely primitive settlements, the inhabitants of which were apparently just emerging from the Stone Age into that of Metal. Traces of human habitation at a still earlier period are not wanting in Greece, but their date remained and still remains uncertain, and if the semi-barbaric culture of the præ-Mycenæan period was developed out of this Neolithic barbarism, and was not imported from elsewhere, the steps by which the transition was carried out were not and are not yet fully apparent to us. So that we can with justice regard the earliest settlements of Troy and Athens as representing the beginnings of civilization in Greece.

Such, then, were the rough results of Schliemann's application to Greece of the method of archaeological investigation which had proved so successful in Egypt and in Assyria. The working hypothesis which was devised to explain these results, although it may not fulfil all the conditions of the problem and satisfy everybody, has yet explained much which would otherwise be inexplicable and has satisfied the great majority of those who have interested themselves in the subject. The various parts of the hypothesis, as will become more apparent later, certainly fit

in very well with each other and with Greek tradition.

Many objections to it have been made, and much cause has been given for objection by some of the more ardent protagonists of this theory, who have damaged their cause by trying to prove too much. When the average student of Greek history is suddenly informed that the præ-Mycenæan culture is closely connected with if not actually derived from the barbaric culture of the pre-dynastic Egyptians, and that it therefore dates back to somewhere about 5000 B.C., he is apt to refuse adherence not only to the announcement in question but also to many other archaeological propositions and theories bearing on the early history of Greece and the early relations between Greece and the East, which are in reality worthy of his most serious attention.

But objections more important than these may be and have been made against the usual hypothesis on grounds which may be said to seriously affect the claim of the archaeologist to be a trustworthy reconstructor of forgotten history. "*Dove la storia e muta, parlano le tombe.*" But how far can the results of excavation be trusted? It is far too often assumed that anything found at a low level is necessarily early, and that anything primitive is necessarily prehistoric, while the argument from analogy is often pressed too hard: anything which in any way resembles something else, whether in shape or in pattern or what not, is immediately set down as being an imitation of or a derivative of that something else. Sometimes a very slight error may

absolutely vitiate an archæological argument drawn from the results of some excavation. Often the evidence may be complete, clear, and convincing; yet, again, at other times it may conflict with itself and with all the other known evidence. Especially must the Oriental evidence bearing on the Mycenæan question be carefully examined: great care must always be exercised in dealing with objects found in Egyptian tombs and in excavations in Egyptian town ruins. In Egypt, as tomb-room grew scarce, bodies were in later days often buried in early tombs. Sometimes the original occupant was summarily ejected, only a few scraps of his funeral furniture being left; at other times he remained with his belongings, mixed up with the mummies and relics of the later intruders. When the objects found in an Egyptian tomb of the XIIth Dynasty are all Egyptian, it is possible to distinguish to a great extent by the criterion of style between the XIIth Dynasty objects and those, if there are any, which are of later date; but when non-Egyptian objects which, for example, perhaps belong apparently to the "præ-Mycenæan" Greek art of the Islands, are found in a XIIth Dynasty tomb or house-ruin, we have little to assure us that they were placed there at the time of the XIIth Dynasty. Yet the occurrence of præ-Mycenæan objects with XIIth Dynasty remains at Kahûn, in Egypt, is unhesitatingly considered to prove the XIIth Dynasty date of these objects.¹ Absolute

¹ In such a case the cumulative evidence must be taken into account. In this particular case, though the particular evidence from Kahûn is bad, the cumulative evidence shows that the præ-

certainly that a tomb has never been disturbed since its first occupant was laid to rest in it is very difficult to obtain, and, even when the greatest certainty is maintained by the most systematic explorers as to the undisturbed state of a tomb, doubts may occasionally arise as to whether certain objects found in it can really date to the period which is claimed for them. Again, in excavations small objects can constantly slip down from higher levels to lower. It is certain that the *majority* of objects which are found at the lowest level of an excavation date to the earliest period at which the site was inhabited, but not all are necessarily of such an early date. And in an Early Iron Age grave at Hallstatt Sir John Evans found an Austrian coin of the year 1826!¹ An interesting example of conflicting evidence from Egypt may be given here. When Professor Petrie discovered his "New Race" at Ballas and Tukh the evidence for the date which he assigned to it—midway between the VIIth and XIth Dynasties (*i.e.*, about 3000 B.C.)—seemed clear enough. Very soon, however, M. de Morgan² showed that the remains of this race must be in reality *præ-dynastic*, dating certainly many centuries before 4000 B.C. This conclusion has since been confirmed by the further discoveries made by other investigators.³

Mycenæan culture was contemporary with the Egyptian Middle Kingdom, and so probably with the XIIth Dynasty.

¹ *Ancient Bronze Implements of Great Britain*, p. 25.

² *Les Origines de l'Égypte* (Paris, 1896-7).

³ QUIBELL, *El Kab*, p. 11; AMÉLINEAU, *Les Fouilles d'Abydos* (Paris, 1895-6), &c.; PETRIE, *Royal Tombs of the First Dynasty* (London, 1900). The discovery of the archaic antiquities of

Now, this instance is enough to give us pause: other similar misconceptions, founded upon evidence to all appearance absolutely convincing, are not impossible. Cyprus is a small country, and had in ancient times a large population; tombs were therefore constantly re-used, and the result is that the archaeological evidence from Cyprus is conflicting: objects of different ages are often found together in the same tomb. Nor, turning to Greece, is the evidence of Greek excavation always as simple and convincing as it looks. It has been usual to regard all the contents of the akropolis-graves at Mycenæ as dating more or less to the same period. But some of the objects from certain of these graves can be shown, if we are not to throw aside all that we have learnt of the development of early Greek art, to be of far later date than others: some objects of orientalizing character from Mycenæ obviously belong to the eighth and seventh centuries B.C., while others as obviously do not belong to this time, but are far earlier. Again, the so-called "Treasure of Priam," found at Troy, was supposed by Schliemann to have belonged to the second or præ-Mycenæan city, which he believed to be the Ilios of the *Iliad*. But the character of the workmanship of some of the magnificent golden pins and bracelets from the Second City shows us that it is improbable that they

the First Dynasty has put the "New Race" antiquities into their proper chronological place, before the coming of the "Dynastic Egyptians" who amalgamated with the previous inhabitants and founded the Egyptian kingdom. With this settlement of the question Professor Petrie now agrees.

can date back to the semi-barbarous age of the Second City: they have all the appearance of belonging to the later period of Mycenaean art, and need date no further back than about 1000 B.C. Here, then, is an evident error of the excavator: these pins and bracelets, and probably the "Treasure of Priam," must in reality have belonged to the Sixth, not to the Second City. Again, in the course of his explorations in the Cyclades, Dümmler found in the neighbourhood of a primitive "cist-grave" of the præ-Mycenaean epoch a bronze fibula.¹ To suppose that this fibula is of præ-Mycenaean date, as Dümmler apparently did, is simply to contradict all that we know of the develop-



FIG. 4.—Mycenaean Gold Pin, from the Second City, Troy.

ment of the Age of Metal in Europe. The conclusion is obvious: the supposed level or position at which an object has been found is not always a safe clue to its date; and not even in Greece, where in all probability tombs were not often re-used, can it be said with certainty that all the objects found together in a tomb are of the same date or were all put there together at the same period. Subject, however, to

¹ *v. post*, p. 25.

these reservations, the general evidence of excavation can be accepted, especially when the excavators are such past-masters of their art as Professor Dörpfeld or Professor Petrie. To say that all the results of excavation are valueless because a few of them have been inconclusive or self-contradictory, because some mistakes have been made with regard to them, or because impossible theories have been built upon them, would be absurd.

It has been necessary to thus discuss the vices as well as the virtues of archaeological evidence, because of late there has grown up an increasing tendency to regard the hypotheses of the archaeologist as necessarily inspired, to regard him as the exponent of an exact science, which he is not. Excavations may be carried on in a scientific manner, but archaeology is not a science. Archaeological "science" is merely a branch of knowledge which is now sufficiently advanced to be able to frame more or less probable hypotheses with regard to the remains of the handiwork of ancient peoples which its expert excavators and explorers have discovered. Absolute certainty in these matters is only possible where a continuous literary tradition has always existed: the modern study of European and American prehistoric archaeology, for instance, which has no literary tradition by its side, must always remain largely guesswork. The main scheme of the history of ancient Egypt is now a certainty, not a mere hypothesis; but it is very doubtful if it would ever have become a certainty if its construction had depended entirely on the archaeologists. The

complete skeleton of the scheme was provided by the continuous literary tradition preserved by the Egyptian priest Manetho; this has been clothed with flesh by the archæologists, and in the course of this process it has become clear that in the main Manetho had articulated his skeleton correctly. But in the case of European and American prehistoric archæology there exist no skeletons to be clothed, and in the case of early Greek archæology the skeleton, though it exists, is but an unsatisfactory specimen, from which many of the most important bones are missing, while others are evidently misplaced, so that the task of clothing it with flesh is a very difficult and a very uncertain one.

The limitations of the archæological method as applied to early Greece must always be kept in view; in Greece we can never hope to derive from archæological discovery the same certain historical knowledge which we have derived from it in the case of Egypt and Assyria: in dealing with the remains of prehistoric Greece we have no contemporary inscribed monuments, no chronicles or letters to guide us.¹ But on the other hand we know the ground better; we can separate with greater certainty the probable from the improbable; and, by combining the indications of Hellenic tradition with the results of excavation, we may fairly hope to eventually gain a

¹ From Crete we now have a number of clay hieroglyphed tablets, as well as "pictographed" sealstones, discovered by Mr. A. J. Evans, but we cannot yet read them, nor is there any prospect at present that we shall ever be able to read them; KLUGE's attempt (*Die Schrift der Mykenier*, Cöthen, 1897) is a failure.

general knowledge of the history of primitive Greece. One fact at least, and that one of capital importance, we have learnt from the discoveries of the archaeologists, and that is that it is impossible to regard Greek civilization as a thing *sui generis*, an isolated phenomenon which sprang from the brain of the Hellene complete in itself, like Athene from the brain of Zeus; we have learnt that Hellenic civilization did not develop itself entirely by itself and through itself, but was from the beginning connected not only with the older civilizations of the Nile Valley and Mesopotamia, but also with the kindred culture of Italy and with the early Bronze Age culture of Central Europe—that even in its beginnings it both influenced them and was influenced by them in various ways. Greece is of all countries the most unsuited to the isolated development of an absolutely self-contained culture: the Ægean was the natural meeting-place of the civilizations of Europe and of Asia.

The archaeologist, then, can never provide the historian with an absolutely certain history of the early days of Greek civilization; he can only provide him with a more or less satisfactory working hypothesis, towards the framing of which the historian must himself lend his aid, in order to correct certain imperfections which might otherwise be noticeable in it. Much of the evidence which will go towards the framing of this hypothesis is of such a character that it would not hold good in any court of law; many small pieces of evidence which to a lawyer would seem worthless have in the eyes of the archæ-

ologist and the historian great value when brought into connection with other similar pieces of evidence; the value of *cumulative* evidence in archæological study can never be ignored; though the individual links may be weak, the chain itself may be strong. Also that perception of the probable which often enables the historian to judge aright when legal evidence is wanting, must sometimes be brought into play in order to bridge over gaps in the evidence. This necessity must, however, never be allowed to serve as an excuse for an indulgence in mere vain imaginings.

We can now proceed to sketch the main outlines of the hypothesis which is more or less generally accepted at the present day, modified according to the evidence of the latest discoveries, *e.g.* those in Cyprus and Crete.

II

THE HYPOTHESIS

WHEN all the conditions of a problem are more or less doubtful, only a doubtful hypothesis can be devised to solve it. The doubtful and provisional character of the generally accepted "Mycenæan" hypothesis must not be forgotten. A few years ago the most distinguished of modern Greek archaeologists, Professor Tsountas, published his conception of the prehistoric civilization of Greece under the title *Μυκῆναι καὶ Μυκηναῖος Πολιτισμός*. Last year an edition of this book, much enlarged, and to a great extent recast, was published in an English dress by an American scholar, Mr. Manatt. The *Mycenæan Age* of Messrs. Tsountas and Manatt is as it stands without doubt the most complete account of "Mycenæan" antiquities which exists; but it is somewhat marred by the fact that the hypothetical nature of much of its subject-matter is to a large extent ignored; generally speaking, the current Mycenæan hypothesis is stated as an account of historical facts. Even the improbable theory of Professor Tsountas, according to which the early inhabitants of Greece were divided into a hut-dwelling race and a lake-dwelling race, which were the Achæans and the Danaans, and which gave

the Perseid and Pelopid royal houses to Mycenæ,¹ is hardly stated with sufficient caution. Before proceeding to sketch the generally accepted explanation of "Mycenæan" antiquities, it is desirable that its hypothetical nature should be fully emphasized.

The earliest trace of at least comparatively "civilized" human settlement as yet discovered within the territory of the later Hellenic civilization has been found in the lowest strata of the mound of Hissarlik, the site of Troy. The Trojans of the first city at Hissarlik were just on the border between the Age of Stone and the Age of Metal, in the same state of civilization as the



FIG. 5.—Præ-Mycenæan black ware Vase. (Troy: Second City.)

people who were buried in the graves of Remedello in Italy,² and the "hall-graves" of Northern Europe.³ They still used implements of stone, but the use of copper was already known to them. Their pottery was of the most primitive description. Deposits of this early period have also been found at Athens, and others of similar age appear to have been found else-

¹ TSOUNTAS-MANATT, *The Mycenæan Age*, pp. 250 ff. 343 ff.

² NAUE, *Bronzezeit in Oberbayern*, p. 69, n.

³ MONTELIUS, *Oriente och Europa* (*Antiqv. Tidskr. för Sverige*, xiii.), p. 209.

where in Greece.¹ Later, in the second and third cities of Hissarlik, we find that the knowledge of copper-working had progressed; spearheads, arrowheads, celts, and daggers of copper were used, but the two former were tanged in the primitive manner, not socketed; here also bronze makes its first appearance in the Ægean countries. The pottery has progressed: vague attempts to imitate animal and human forms are



FIG. 6.—Siphnian Stone Box in form of a model dwelling; pre-Mycenæan period. (Melos.)

found among the vases. The ruins of the town walls and gates and of the chief's house exhibit a knowledge of building which seems almost in advance of the general character of this primitive culture, as it is revealed to us by its pottery, weapons, and graves. In many of the Ægean Islands we find numerous traces of a stage of culture which was practically the same

¹ A full list of these most primitive settlements is given by MYRES, "Early Man in the Eastern Mediterranean" (*Science Progress*, v. (1896), p. 343).

as, though perhaps in some respects more primitive than, that of the early "cities" of Troy. The graves of these islanders are plain "cist-graves" constructed of marble slabs, excavated but a few feet deep in the surface soil; their occupants were buried, not burnt, and their skeletons are often found in that cramped and huddled position which seems characteristic of many primitive races. The weapons which were buried with them are mostly of copper, and are confined to daggers and tanged spearheads, swords being as yet unknown.¹

Stone knives were still in use, the obsidian of the islands being well adapted for manufacture of knives and arrowheads. Other metal objects besides weapons are rare; the bronze fibula mentioned by Dümmler² obviously cannot, as we have previously remarked, date to this period. Characteristic of this age are the female images of barbaric style, sculptured chiefly



FIG. 7.—Greenish marble Box in form of a model dwelling; pre-Mycenaean period, (Amorgos.)

¹ The inlaid swordblade from Thera, figured on p. 235 of TSOUNTAS-MANATT, *The Mycenaean Age*, obviously belongs to the fully developed period of Mycenaean civilization. "Swords" from Amorgos are mentioned by TSOUNTAS-MANATT, *ib.* p. 265, but apparently only the typical Amorgan daggers are meant. On the island graves generally see DÜMMLER, *Ath. Mitth.* xi, 1886; BENT, *J. H. S.* v. p. 47.

² *Loc. cit.* p. 23. For silver objects cf. BENT, *loc. cit.* p. 53.

X in Parian marble (Fig. 38), and the two models of dwellings, one being of Siphnian stone, which were found in Melos and Amorgos respectively, and are figured above (Figs. 6, 7). Objects of ivory were not unknown, a fact which presupposes connection with the East. The primitive designs of some of the vases resemble the ornamentation of the pottery of the



FIG. 8.—Red ware Vase with incised design, from Cyprus; præ-Mycenæan period.

early Bronze Age in Central Europe, while the forms of others foreshadow the graceful shapes of the Mycenæan vases. A number of tombs, containing the same class of antiquities (with peculiar variations) and also belonging to the Copper Age, have been found also in Cyprus.¹ The earliest development of this primitive culture appears to be that of the Ægean islands, the latest that of Cyprus.

Isolated remains of this age have also been found on the Greek mainland at Athens, Eleusis, Delphi, and Sparta,² and at Tiryns and elsewhere there were certainly præ-Mycenæan settlements; a similar culture existed in Italy,³ and the same kind of primitive

¹ *E.g.* at Hagia Paraskevè and Kalopsida. (DÜMMLER, *loc. cit.* p. 210 ff.; MYRES, *J. H. S.* xvii. p. 134 ff.)

² TSOUNTAS-MANATT, DÜMMLER, *loc. cit.*

³ The near relation of this Island culture to the early Italian civilization, of which remains have been found at Monte Albano, Sesto Calende, and elsewhere in Italy, is clear, especially in the

pottery is also found in Asia Minor.¹ This is then the primitive "Copper Age" culture of the Eastern Mediterranean basin, which developed immediately out of the culture of the Neolithic period.²

Apparently overlapping the later stages of this primitive culture in the Ægean comes the first appearance of the "Mycenæan" period of the development of Greek civilization, in the island of Thera.³ Here, instead of the roughly-incised or overlaid patterns of the earlier time, we find



FIG. 9.—Proto-Mycenæan Vase, from Thera.

on the vases *painted* floral and other designs in matt colour (see note to Fig. 9 in the List of Illustrations) which foreshadow the designs of the later Mycenæan period; fresco-painting is known, and from the other remains it is evident that a level of civilization much higher than that of the "cist-grave" people has been reached. This "proto-Mycenæan" stage of culture is not confined to the Theræan town which was overthrown by the great eruption which blew the isle

domain of pottery, the forms of which greatly resemble those of the early vases from the Ægean and Cyprus. A clay model of a hut from Monte Albano, now in the British Museum, may be compared with the stone models of huts from Melos and Amorgos, mentioned above. (Cf. MURRAY, *Handbook to Greek Archaeology*, pp. 11, 13.)

¹ Cf. CROWFOOT, *J. H. S.* xix. p. 48 ff.

² For a full description and discussion of the pre-Mycenæan antiquities of Greece v. BLINKENBERG, *Fræmykeniske Oldsager: Bidrag til studiet af Grækenlands ældste kultur* (Aarbøger af det Kgl. Nord. Oldskrift Selsk., 1896). He appends a complete list of pre-Mycenæan sites in the Ægean basin.

³ On the connection of the Theræan culture with that of Mycenæ cf. FURTWÄNGLER-LÖSCHKE, *Mykenische Vasen*, p. 18 ff.

"Kallistè" into the arid fragments which are now known as Santorin and Therasia; traces of it have also been found in Melos and other islands of the Cyclades,¹ at Kamárais² and Knóssos³ in Crete, and apparently also at Kahun in Egypt, perhaps associated with Egyptian remains of XIIIth Dynasty date.⁴

During the "Mycenæan" age proper we seem to find everywhere in the Greek world widespread traces of a highly developed Bronze Age culture which appears to radiate from Crete, Argolis, and Phthiotis over the Ægean and Ionian Seas as far east as Cyprus and as far west as Sicily. This culture is not, as was the primitive civilization, which in the Greek lands we call præ-Mycenæan, spread over the whole of the Eastern Mediterranean area. It is a local development peculiar to Greece.

The art of this period was strongly developed, especially in the directions of gold- and bronze-working (the primitive Age of Copper has been left behind), of gem-cutting, vase-painting with varnish or glaze (*Firnismalerei*: cf. notes to Figs. 1 and 9 in the List of Illustrations), and fresco-painting; sculpture still remained in a more primitive con-

¹ Mr. J. L. MYRES (*c. p.* 201 n. 1) mentions several islands as seats of the proto-Mycenæan culture, which he calls "Cycladic." At Phylákopé in Melos has been discovered a continuous series of præ-Mycenæan, proto-Mycenæan, and fully-developed Mycenæan settlements; and in the Third or Proto-Mycenæan town was found a remarkable fresco, representing flying-fish as well as any Egyptian fresco-painter of the time could have represented them. (*Ann. Brit. Sch. Ath.* 1897-8.)

² MYRES, *Proc. Soc. Antiq.* xv. p. 351 ff.

³ HOGARTH, *Ann. Brit. Sch. Ath.* 1899-1900, p. 70 ff.

⁴ PETRIE, *Illahun, Kahun, and Gurob*, p. 9 ff, pl. i.

dition. The art of building had been carried to a high pitch of development, as is shown by the mighty ruins of the Mycenæan palace-fortresses and



FIG. 10.—Mycenæan Golden Cup, from Mycenæ. (The lion's head is Egyptian in style.)

the wonderful *tholoi*, or "bee-hive tombs." Hardly any trace of iron has been found among remains of this date, and it seems that the Mycenæans lived in what might be called the Middle Bronze Age; none

of the elaborate pins, fibulæ, and weapons which are so characteristic of the later Bronze Age in the North have been discovered in their graves or houses; the only Mycenæan fibulæ known are of very simple form and were found with remains of the later Mycenæan period.¹ Iron apparently came to the Mycenæans at
 X an earlier period than it did to the Northerners, and cut short the career of the Bronze Age in Greece before it had had time to reach the stage of elabora-



FIG. 11.—Golden Griffin, from Mycenæ. (The design is of purely Egyptian origin.)

tion which is revealed to us in Bavaria and Scandinavia. Objects of Mycenæan art were exported to Egypt, and apparently also found a ready market in Central Europe and in Italy. From this it would appear that commerce was already fully developed in the Eastern Mediterranean countries at this period. A comparison of early Hellenic legends would seem to point to the Achaian Greeks, whose chief rulers lived in "golden Mycenæ," as the possessors and extenders of this stage of early Hellenic culture, but, as we shall see, this conclusion has been energetically combated, and certainly needs modification.

A cursory inspection of the antiquities discovered by Schliemann at Mycenæ will suffice to show us

¹ TSOUNTAS suggests (*loc. cit.*, p. 359) that the fibula was first invented in Mycenæan Greece. This seems quite possible.

that during the Mycenæan age Oriental influence had already begun to work in Greece; in the shaft-graves of the akropolis have been found gold and ivory ornaments which vividly recall the East, or, to be more precise, Cyprus and Phœnicia, and even



FIG. 12.—Golden Plaque, with spiral design, from Mycenæ.
(*Cf.* metal-work of Central and Northern European Bronze Age.)

Egypt¹ (Fig. 11). But there are also other objects from these same graves which remind us more of the North and West than of the East: the gold plaques with designs which recall the favourite designs of the Central European Bronze Age may

¹ TSOUNTAS-MANATT, Figs. 38-40, 72, 82, etc.

be instanced¹ (Fig. 12). It is thus obvious that the Mycenæans owed much to the East and strongly influenced the Bronze Age culture of Central and Northern Europe, the beginnings of which were, according to some archaeologists, contemporary with the Mycenæan period.²

Many have tried to derive the whole of the Mycenæan culture from the East, making it Lydian, Karian, "Hittite," even Phœnician. Others, struck by the above-mentioned European connection, and lured by the "Aryan" mirage, would deny the influence of the East altogether, and proclaim the Mycenæan civilization to have been purely Aryan and West-European in its origin and connections.³ But besides the Eastern and Western elements in the Mycenæan



FIG. 13.—Mycenæan Gem; combat of warriors.

culture there is also an element which dominates the whole, and which gives the whole its peculiar character. It is impossible to refuse to this element the designation "Greek": the spirit of the Mycenæan

artists appeals to our sympathies instantly as something which we know and understand—it is Greek;

¹ SCHUCHHARDT, *Schliemann's Excavations*, Figs. 170, 189, 232, etc.

² Cf. MONTELIUS, *Om Tidsbestämning inom Bronsåldern* (Kgl. Vitterhets Akad. Handlingar, 30de Delen).

³ This theory, which is characteristically held chiefly by modern Greeks, as TSOUNTAS and APOSTOLIDES, of whom the latter has developed it very strangely (*L'Hellénisme Égyptien*), is also held by M. SALOMON REINACH (*Le Mirage Oriental*).

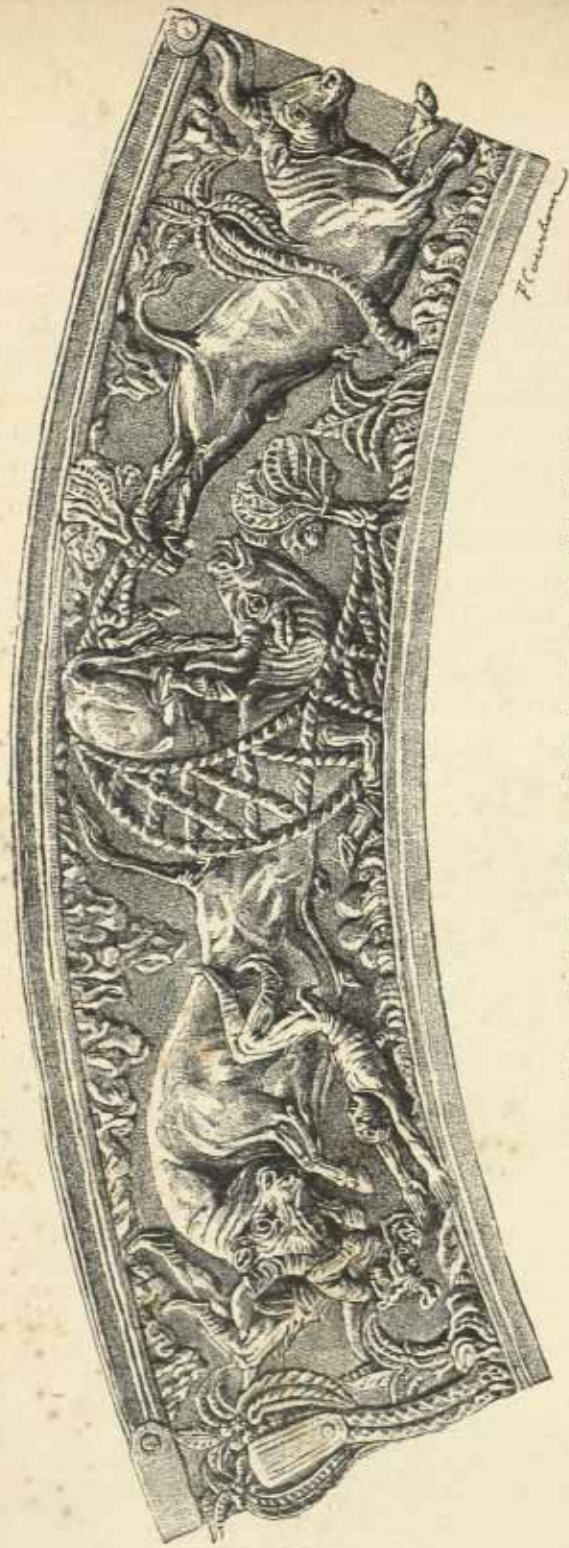


FIG. 14.—Design in relief from a Golden Cup found at Vaphio in Lakonia.
(Athens Museum; a reproduction is in the Ashmolean Museum, Oxford.)

C. PERRON-CHAPPEL, *Hist. de l'Art*, vi, pl. xv.



FIG. 12.—Design in relief from a Golden Cup found at Vaphio in Lakonia.
(Athens Museum; a reproduction is in the Ashmolean Museum, Oxford.)

Cf. PERROT-CHAPPEL, Hist. de l'Art, vi. pl. xv.

the general *facies* of the Mycenæan culture is Greek. It is, therefore, impossible to assign the Mycenæan civilization to a non-Greek race—the Phœnicians for instance.¹ We have no proof that Phœnician art was ever anything more than a tasteless combination and imitation of the arts of Egypt and Mesopotamia.² Professor Helbig is probably alone in his belief that because the Phœnicians imported Mycenæan vases into Egypt, these vases were the handiwork of Phœnician potters.³ All our previous knowledge of Phœnician art-methods is against him; and it is impossible to trace any Phœnician influence upon Mycenæan art until the period of Mycenæan decadence. To assume that the Mycenæan culture was wholly Phœnician—stock, lock, and barrel—is to assume the existence of a hypothetical Phœnician art of which not the slightest trace has ever been discovered in Phœnicia itself! In thus insisting on the essentially Hellenic aspect of the early civilization of Greece it is unnecessary, as before stated, to go so far as M. Tsountas and his followers, who see in Mycenæan Greece the focus of the early civilization of the Mediterranean world, influencing the older nations of the Orient even more than it was influenced by them. Mycenæan civili-

¹ On the freedom, spontaneity, and wholly un-Oriental *spirit* of Mycenæan art, cf. MURRAY, *Excavations in Cyprus*, p. 29.

² Cf. TIELE, *Geschiedenis van den Godsdienst in de Oudheid*, p. 245: "In kunst en kunstnijverheid waren en bleven zij achterlijk. De overblijfselen van hun bouw- en beeldhouwkunst verraden een volslagen gebrek aan oorspronkelijkheid, en zijn niet veel meer dan onhandige navolgingen van uitheemsche modellen."

³ Cf. HELBIG, *Sitzber. der kgl. bayr. Akad.* 1896, Heft iii.

zation was Greek in its origin and in its general character; there is no need to invoke Oriental or other *deos ex machinâ* to account for its origin. It gave much to the West and accepted much from the East, but it can never have really influenced the East to any appreciable extent.

The much-disputed question of the date of the Mycenæan period need not concern us till a later chapter; recent discoveries have made it probable that, however early the Mycenæan period may have begun in Greece proper, and the current theory assumes with justice that it was already flourishing as early as the sixteenth century B.C., in Cyprus at least it continued almost to the classical period. But long before this it had passed away in its original home. Contemporaneously with the decadence of Mycenæan vase-painting¹ there appears on the continent of Greece a new style, distinguished by a rude geometrical scheme of ornament, which Helbig considers to have been directly derived from patterns used in weaving. Somewhat later the forms of birds, beasts, and men begin to appear in the designs, but are drawn in the rudest possible manner. Similar crude designs adorn the bronze-work of this period, espe-

¹ That the latest Mycenæan were contemporary with the earliest "Dipylon" antiquities is proved by various pieces of evidence—*e.g.*, the unbroken series of middle Mycenæan, late Mycenæan, Geometric, and early Attic vase fragments found in the dromoi of the tomb at Menidi testifies to an unbroken continuity of religious worship at these tombs, and shows that the worshippers passed immediately from the Mycenæan to the "Dipylon" period, and in so doing passed through an intermediate period in which both styles were in use together.

cially the fibulæ, which now appear more commonly than in Mycenæan times, and in more developed forms. Besides the Dipylon of Athens, where the greater number of these vases have been found, and where they are most highly developed, Melos, Thera, and Rhodes were also seats of this geometrical style of art. There seems but little ground for the idea, put forward by Dumont, Kroker, and Helbig, that the art of the Dipylon originated in the islands or in Asia Minor,¹ or for

¹ DUMONT, *Céramiques de la Grèce Propre* (he calls the geometrical style "Type des îles"). KROKER, *Jahrb. Arch. Inst.* i. (1886) p. 33 ff. HELBIG, *Homericæ Epos*, p. 58. Kroker's ideas of a connection between the Dipylon pottery and Egypt are due to a complete miscon-



FIG. 16.—Geometrical Vase, from the Dipylon at Athens.

- × Furtwängler's proposal to bring it from Crete.¹ Its most primitive types and the most primitive graves of the first post-Mycenæan period are found on the mainland of Greece. Neither on the coast of Asia Minor nor in Cyprus is this culture represented; in these parts of the Greek world the Mycenæan culture apparently still continued to



FIG. 17.—Bronze Fibula of the Geometrical Period.

exist, though in a somewhat debased form, and from Asia exerted a considerable influence on the later

ception, not to say ignorance, of Egyptian art. Generally against an Eastern origin of the geometrical style speaks the fact that in Cyprus, where on this theory one would expect to find this style well represented, only one or two real geometrical vases, and those obviously imported, have hitherto been found (DUMONT, *loc. cit.* Fig. 45, p. 203; A. H. SMITH, *Excavations in Cyprus*; Anathus, p. 103, fig. 50). Cf. generally FERROT-CHIPIEZ, *Hist. de l'Art*, t. vii. (*La Grèce de l'Épopée*).

- × ¹ *Arch. Zeity*, 1885, p. 139 ff. On the distribution of Geometrical pottery cf. WIDE, *Jhb. Arch. Inst.* 1899.

development of Geometrical art. This can, however, in no way have been developed from Mycenæan art;¹ between it and the latter the break is absolute; it marks a general lowering of artistic standard which implies a general set-back in civilization. There can be no question here of "neo-barbarism": the same people did not at the same time manufacture objects of both Mycenæan and Geometrical style.

It is significant that it is just to this period of decadence and temporary retrogression that we must assign the extinction of the Bronze Age in Greece by the introduction of the use of iron weapons and tools. The graves of the Dipylon yield to us iron weapons and tools only; bronze appears only in the form of fibulæ, &c.; they are, then, graves of the "Iron Age." The transition from the Bronze Age to the Iron Age took place, then, in Greece exactly at the close of the Mycenæan and commencement of the "Geometrical" period.

It is to this period of transition that the Homeric civilization must be dated. The heroes of the *Iliad* generally use bronze still for weapons and equipment, but iron is already known to them; it is, however, a comparatively precious object. Still, the record of its use fixes the place of the Homeric culture in the history of early Greek civilization, a place which is exactly paralleled in the history of the development of the civilization of Central Europe by

¹ The *method* of vase-painting was, however, of course, learnt by the people of the Dipylon from the Mycenæans; the patterns used (and indeed the whole spirit of geometrical design) are quite foreign to Mycenæan art.

that of the culture of Hallstatt.¹ It would, then,



FIG. 18.—Design on a Geometrical Vase.

¹ V. SACKEN, *Die Gräber von Hallstatt*; NAUE, *Époque de Hallstatt en Bavière* (*Rev. Arch.* xxvii. p. 40 ff.).

appear that the date of the Homeric civilization, or more accurately the civilization of the *Iliad*, may be at least approximately placed at the period when the cultures of Mycenæ and of the Dipylon overlapped. This conclusion would appear to agree with the internal evidence of the poems themselves.

Can we find in the legends of the Greeks any trace of an event roughly contemporaneous with the time of which the Homeric poets treat which can be connected with this replacement of the civilization of the Achæians by a less highly developed culture? The legend of the Return of the Herakleids, of the Dorian Invasion, which, in spite of the doubts of one historian,¹ is generally accepted as representing a historical fact, would appear to tally in all respects with our desideratum. Surely it is not going too far if we see in the conquering Dorians the rude iron-using people of the Geometrical period, who, armed with superior weapons, overwhelm the more highly civilized Achæians, and so, while bestowing on Greece the knowledge of iron, at the same time cause a temporary set-back in the development of her civilization?² This conclusion has seemed the

¹ BELOCH, *Rhein. Mus.* 1890, p. 555 ff.

² The late excavations at Eleusis seem to confirm this conclusion. But a difficulty is the fact that one of the chief seats of the Geometrical culture was Attica, into which, so said later tradition, the Dorians never penetrated. It seems, however, probable that Attica was really occupied by the Dorians, as Bœotia and Megaris were, and that the invaders were afterwards expelled; it is noticeable that apparently the "Dipylon" style was not long-lived in Attica (WIDE, *Geometrische Vasen*; *Jahrb. Arch. Inst.* xv. p. 57). The other places in which this style is found are mostly Dorian. It is noticeable that iron was long held in

most natural one to the greater number of students of the Mycenæan period. In confirmation of this theory it may be noted that whereas in the *Iliad* the Dorians are of no account among the tribes of the Danaans, in the *Odyssey* they have nearly reached the end of their migration; and that the passages of the Homeric poems in which iron is mentioned are generally considered to be among the latest contributions to the Epos; the Dorians therefore come into greater prominence *pari passu* with the increased use of iron. And the introduction of iron marks the close of the Mycenæan period in continental Greece.

With a connection thus established between the end of the Mycenæan age and the Dorian Invasion we are evidently drawing near the close of the newly-discovered chapter of the history of Greek civilization; but the period which elapsed between the Homeric age and the time of which Herodotos wrote cannot be properly elucidated without the aid of archæological study, the main results of which, so far as they relate to this period, may be briefly summed up as follows.

As the dark age which followed the return of the Herakleids came to an end, so the geometrical art of the invaders became more and more influenced by apparently still existing Mycenæan styles, which can only have continued to exist in Asia. With this

peculiar honour at Sparta; a fact which, as is remarked by a reviewer in the *Athenæum* for July 29, 1899, "points to its importance and value being strongly felt at some crisis in early Dorian history."

Asiatic Mycenaean, or rather "Sub-Mycenaean," art it probably came into contact before the arrival of the Dorians in Asia, an event which can hardly be dated much before the beginning of the eighth

century B.C. The Greek geometric style of art did not penetrate farther east than Rhodes.¹ The Oriental artistic influence which we have already seen at work in the flourishing period of Mycenaean art in Greece proper now becomes more and more marked as the character of the geometrical style alters and the Mycenaean style, *ex hypothesi* still



FIG. 19.—Asiatic Sub-Mycenaean Vase, from Mylasa in Karia.

existing in Asia, becomes more debased. Deposits of vases, ornaments, weapons, etc., which date to this orientalizing period, occur in all parts of the Greek world, from Cyprus to Greece proper. The earliest graves of the necropolis of Kameiros in Rhodes have yielded to us, besides many objects

¹ The native geometric style of Cyprus (*v. p.* 265) was a local and independent development from the Mycenaean style.

which exhibit Mycenaean influence and others which are obviously products of Dorian potters and smiths, much that can only be the handiwork of either Phœnician artists or of Greeks working under strong Phœnician influence. We know that Rhodes was occupied by the Phœnicians as a depôt for their

Ægean trade; they were expelled from the island, apparently by the Dorians, probably about the beginning of the eighth century B.C. That even the earliest antiquities of Kameiros do not date back to the period of Phœnician sole possession is shown by the occurrence among them of geometrical vases, fibulæ, etc., which can only be ascribed



FIG. 20.—Vase with Orientalizing Design, from Cyprus.

to the Dorian inhabitants; the Phœnician traditions—kept up, no doubt, by the visits of Phœnician traders after their expulsion—still lingered on, however, in the island. We may therefore date the earliest of the half-Phœnician objects from Kameiros to about the middle of the eighth century, and the latest to about a hundred and fifty years after, when direct Egyptian

influence began to work in Rhodes through the medium of the Greek settlements at Daphnai and Naukratis.¹ This Oriental influence soon began to modify the sub-Mycenæan and geometrical styles of art which had prevailed in the Ægean lands since the end of the best period of Mycenæan art. In vase-painting especially various mixed styles of ornament now appear, such as the "Phaleric" in Attica, which developed from the "Dipylon" style, but was strongly influenced by both Mycenæan and Oriental designs, and the "Melian" and "Rhodian" styles in the Ægean, developed from the Mycenæan, but showing evidence of Geometrical and Oriental influence. Ionia proper, it seems, originates a style of vase ornament which draws its inspiration from the most exuberant Oriental schemes of decoration. Here the *horror vacui* has become almost a mania: each vase, even the smallest, is overloaded with rosettes, eyes, gryphons, sphinxes, etc., in which it is sometimes difficult to find a single note of Hellenic inspiration. Even in the forms of the vases Oriental influence is seen. But with this "proto-Corinthian" style of vase-making Oriental influence reached its culminating point; in the true Corinthian and the Chalkidic styles which developed out of it the traces of this influence gradually recede into the back-

¹ The date of the antiquities of Kameiros is usually given as the middle of the seventh century B.C., on account of the relation between them and the antiquities found at Daphnai and Naukratis in Egypt, which date from this time to the end of the sixth century. Many of the Kameiran antiquities must, however, date to the eighth century, as the occurrence with them of objects of the "Geometrical" period shows.

ground: Oriental influence generally was giving way before the newly-arisen artistic spirit of Hellas. By the time that the period of Greek colonial expansion which followed the expulsion of the Phœnicians from the *Ægean* had come to an end, towards the middle of the sixth century B.C., Oriental influences in bronze- and wood-work and other arts had passed away. With the dawn of the Hellenic art of the classical period, an event which heralded the beginnings of democratic government in Hellas, the history of early Greek civilization comes to an end.

Such, then, are the contents of the new chapter which the archæologists have added to Greek history; many of its paragraphs are not yet completely deciphered, but the main sense of the whole is clear. And it cannot be contested that the current hypothesis, as sketched above, explains the facts more completely and satisfactorily than any other theory. In reality no other hypothesis complete in itself and consistent with itself has ever yet been put forward to explain the whole of the evidence which is contained in the Mycænæan *dossier*. Its main point is the conclusion that the Mycænæan civilization was of præ-Dorian date. No other conclusion can explain the universality of the Mycænæan culture (which would have been impossible at a later date), its remarkable artistic perfection (to what period of "archaic" Greek art can the Vaphio cups or the frescoes of Knôssos be assigned?), or the difference in epoch which is indicated by the fact that in Mycænæan days the Greeks lived in the Bronze

Age, while in the "archaic" period of the classical culture of Hellas they had long ago entered the Age of Iron.

Yet this hypothesis, though so clear and so plausible, is but a hypothesis, not a statement of historical facts. These we can never know, unless some day a new Champollion arises to decipher those enigmatic pictographs of Crete, which seem to contain some record of the Mycenæan peoples which is as yet hidden from us.

III

THE QUESTION OF DATE

THE working hypothesis assumes that the Mycenaean culture was already nearly universal in Greece and had entered upon the period of its fullest development in the sixteenth century B.C., contemporaneously with the period of the highest development of Egyptian power and prosperity under the Pharaohs of the XVIIIth Dynasty. It follows, therefore, that the præ-Mycenaean period is dated roughly about 2000 B.C., and that the age of the earliest dwellers at Troy and Athens is relegated to about 2500 B.C., a date accepted by a very great authority upon Greek archaeology—Professor Dörpfeld. The evidence for this early date is worthy of close attention, and cannot be summarily dismissed.

For example: on the akropolis of Athens, below the pottery fragments and other relics of the early classical period, lie those of the "Geometrical" period (the beginning of the Iron Age), below these those of the "Mycenaean" age (the Bronze Age), far below these again those of the "præ-Mycenaean" time (the Copper or Æneolithic Age), and below these the flint scrapers of the Neolithic "Greek." Each stratum is well defined; each marks a longer or shorter epoch of time. Here is purely archaeological evidence which

hints at the probable age of the Mycenæan period at Athens in an unmistakable manner.

Nor is this evidence belied elsewhere. No excavations on any site have ever shown a different stratification.

The geometrical style of art cannot have lasted much after 700 B.C., and probably commenced about two centuries before; less time can hardly be allowed for its development. We thus get *circa* 900-850 B.C. for the final stages of the Mycenæan period in Greece; in Asia and in Cyprus it appears to have survived till a considerably later date. The fact that the Homeric civilization, which is traditionally dated to the ninth century B.C., appears to have been a decadent form of that of Mycenæ, confirms this date.

The Greek evidence alone could have told us little more than this. We could have supposed that the Mycenæan culture must have taken several centuries to develop, and so would have been inclined to vaguely attribute the præ-Mycenæan period to the beginning of the second millennium B.C. More would have been impossible.

But other evidence was forthcoming which seemed to give certain synchronisms with Egyptian dynasties the approximate date of which is known. Among the objects found in the graves at Mycenæ occur a scarab and other objects inscribed with the cartouches of King Amenhetep III. and his consort Queen Thii, of the XVIIIth Dynasty.¹ If this evidence stood alone it would be of little value: the scarab and other fragments might (*a*) have been made long

¹ 'Εφημ. 'Αρχ' 1887, pl. 13; 1888, p. 156; 1891, pl. 3.

after the time of the monarchs whose names they bear, or (*b*) have been placed in the tomb at a period long after the date of their manufacture, or (*c*) be of XVIIIth Dynasty date, but placed with objects of earlier date. With the seventh-century remains from Kameiros was found a scarab of Khufu;¹ we do not therefore assume that these Kameiran remains date back to the time of the IVth Dynasty (B.C. 3800)! But this scarab is very possibly a XXVIth Dynasty imitation of a Khufu scarab;² to take a better case: in an Etruscan tomb of the seventh century has been found a scarab of Sebekhetep III., of the XIIIth Dynasty. No later imitations of scarabs of this dynasty are known, and it is extremely improbable that they ever were imitated in later days; this scarab therefore certainly dates back to the time of the XIIIth Dynasty. But we do not assume that the other contents of the tomb in which it was found are of XIIIth Dynasty date (B.C. 2200)! It was obviously either an heirloom or had been discovered about the seventh century and exported from Egypt; so may the apparently XVIIIth Dynasty objects from Mycenæ have been. But a scarab with the name of Amenhetep III. was discovered at Ialysos with Mycenæan vases
 * of apparently the same stage of development as those of Mycenæ.³ Still, this might merely have

¹ *Revue Archéologique*, 1863, viii. 2. Khufu, the second monarch of the IVth Dynasty, is the *Xεῦψ* of Herodotos.

² Under the XXVIth Dynasty (B.C. 650-525) an archaistic renaissance took place in Egyptian art, and it was fashionable to imitate the works of the early dynasties.

³ FURTW.-LÖSCHKE, *Myk. Vasen*, Pl. E. Fig. 1.

Shun the Custom
 Show the
 Labor

been a coincidence. But other evidence now came to light, this time from Egypt itself, which was considered by many to confirm the XVIIIth Dynasty date of the Mycenæan culture. This evidence is, however, very varied in quality—good, bad, and indifferent. Much has been made of the evidence of the well-known "Maket-tomb" at Kahun, in which a Mycenæan vase of a type which is exactly paralleled by a vase from a beehive-tomb at Iolkos was found. This evidence is, however, indifferent. Professor Petrie first dated the vase, on the strength of the appearance of objects found with it, to about 1150 B.C. Now, however, he prefers to date it to the time of Thothmes III. (about 1550 B.C.).¹ The date may yet again be altered. An example of bad evidence is a wooden kohl-pot inscribed with the cartouche of Amenhetep III., which was found with Mycenæan pots at Gurob, and is therefore considered to date them to the time of that king.² This kohl-pot might have been buried with these pots centuries after Amenhetep's time, even if it was made at that time, which cannot be asserted with certainty. The tomb-robber was always an institution in Egypt, and no doubt always sold much of his loot. It is extremely probable that the shop of an Egyptian undertaker and tomb-furnisher of, say, the XXth Dynasty contained plenty of kohl-pots, scarabs, &c., looted from tombs, which might date to the XVIIIth or even the XIIIth Dynasty; so that it is quite possible that a XXth Dynasty

¹ "Egypt and Early Europe," *Trans. R. Soc. Lit.* xix. p. 69.

² PETRIE, *Illahun, Kahun, and Gurob*, p. 16.

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Egyptian might have been buried with an XVIIIth Dynasty kohl-pot! But good evidence is not wanting. At Tell el-Amarna, among the ruins and rubbish-heaps of the town (and environs) and palace of the heretical King Khuenäten (or Akhenäten), of the XVIIIth Dynasty, were found not only fragments of vases of types which may roughly be considered to belong to the period of the XVIIIth Dynasty, and rings and scarabs with royal names of that period, but



FIG. 21.—Mycenæan Bull's Head, from the tribute of the *Keftiu*.

also numberless fragments of Mycænæan vases,¹ intermixed with Egyptian fragments of XVIIIth Dynasty date. We have no reason to suppose that these Mycænæan fragments were specially dropped at Tell el-Amarna at any later period: the city of Khutäten (or Akhtäten) appears to have been completely abandoned and never re-inhabited after the fall of the heretical dynasty. When Mr. Torr, in his trenchant criticism of the

current Mycænæan theory, suggests that the presence of Mycænæan fragments at Tell el-Amarna proves the later recolonization of Khutäten, he surely begs the whole question.² Had the city been reoccupied at a later date, and the Mycænæan objects left there at that later date, we should surely have expected to find these scarabs and other objects with the names of later kings. But only XVIIIth Dynasty names

¹ PETRIE, *Tell el-Amarna*, p. 15 ff, pl. xxvi. ff.

² TORR, *Class. Rev.*, 1894, p. 322.

were found. Scarabs or rings of Khuenäten and his immediate successor Ānkh-kheperu-rā, found in the ruins and neighbourhood of the town and palace of Khuenäten and Ānkh-kheperu-rā, are presumably not later imitations.

Nor is other evidence to the same effect wanting, the cogency of which up to a certain point is admitted by Mr. Torr. On the walls of the well-known tombs

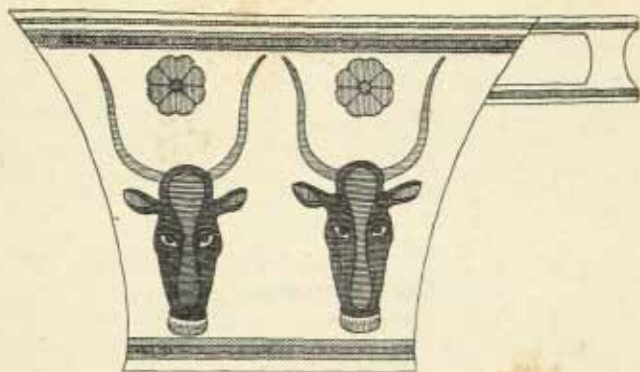


FIG. 22.—Mycenaean Metal Cup, from a wall-painting in a Theban tomb; c. 1500 B.C. (PRISSE D'AVENNES, *Hist. de l'Art.*)

of Rekhmarā and Menkheperā-senb at Thebes (*temp.* Thothis III., about B.C. 1550) are represented metal vases and other objects, some greatly resembling Mycenaean workmanship,¹ brought as tribute by the

PRISSE D'AVENNES, *Hist. de l'Art Egyptienne*, ii. ; VIREY, *Tombeau de Rekhmara*; W. M. MÜLLER, *Asien und Europa*, pp. 348, 349. Especially noticeable are the animal-heads, or *protomes*, one of which (Fig. 21, above) is almost a counterpart of the famous silver bull's head from Mycenæ. Others of the objects brought by the Keftiu are obviously Phœnician imita-

"Great Men of Keftin and of the Islands in the midst of the Very Green."¹ Of these "Keftians" one is depicted as a Semite, while the others are Mycenæans, with boots, waistcloth, long hair partly hanging down the back, partly twisted up in front into a *κίραç* like that of Paris,² just as we see them on the Vaphio cups, and not only in type and costume, but even in attitude and gesture identical with the Cretan Mycenæans of the frescoes of the palace of



FIG. 23.—Mycenæan Metal Cup, from a wall-painting in a Theban tomb; c. 1500 B. C. (PRISSE D'AVENNES, *Hist. de l'Art.*)

Knóssos, lately discovered by Mr. A. J. Evans. Other metal vases, the shape of which is identical with that of the Vaphio cups and the silver cup from Cyprus, illustrated by Fig. 24, and the designs of which are typically Mycenæan in character, are depicted on the walls of another Theban tomb³ of apparently the same period. The conclusion that

tions of Egyptian metal-work. On Rekhmara and his tomb, c. NEWBERRY, *Life of Rekhmara* (London, 1900).

¹ *Uatch-uer*, "the Great (or Greatly) Green," i. e., the Mediterranean.

² *Il.* xi. 385.

³ W. M. MÜLLER, *loc. cit.*, p. 349.

the Mycenaean culture was contemporary with Thothmes III. seems to be indicated. Mr. Torr urges¹ that this evidence does not prove any connection between Greece and Egypt in the time of Thothmes III., for the manufacture of such Mycenaean articles may have gone on long after that time; all it indicates is that relations must have existed between Egypt and *Mycenaean civilization* at that time, for



FIG. 24.—Mycenaean Silver Cup, from a tomb at Enkomi in Cyprus. (Brit. Mus. Gk. and Roman Dept; cf. MURRAY, *Excavations in Cyprus*, p. 17, fig. 33.)

whether this civilization existed in Greece at that time or not, it was nevertheless the same civilization as that of Mycenæ and can only be called Mycenaean. But we have already seen that the main seat of Mycenaean civilization was Greece. It does not necessarily follow from this that Mycenaean Greeks were in direct communication with Egypt at this

¹ *Memphis and Mycenæ*, p. 67.

time; it is possible that not all Mycenæans were Greeks; some may have been non-Greek inhabitants of Asia Minor. A comparison of the Egyptian pictures of the Keftiu with the Knóssian frescoes can lead to no other conclusion that they are pictures of the same people, probably executed almost contemporaneously; and the further conclusion that the Egyptians were in communication with Mycenæan Crete, *i.e.*, with Greece itself, in the time of Thothmes III., would be quite legitimate. This conclusion, however, is not necessary to the argument; it is enough that Mr. Torr admits that Mycenæan civilization, whether in Greece or elsewhere does not matter, goes back "at earliest" to the time of Thothmes III., the sixth monarch of the XVIIIth Dynasty.

We have dated this king above to about B.C. 1550; the date usually given for the XVIIIth Dynasty is roughly *circa* 1700-1400 B.C. This approximate dating could have been accepted without further parley had it not been vigorously attacked by Mr. Cecil Torr in the opening chapters of his *Memphis and Mycenæ*. Mr. Torr must admit that Mycenæan civilization was as old as the XVIIIth Dynasty; he does not admit that this dynasty dates back to the sixteenth century B.C.

It has been already pointed out that in discussing Egyptian chronology we are not dealing with the unknown; a continuous literary tradition of the succession of the Egyptian dynasties and of the names of the kings has been preserved in the various extant versions of and excerpts from the chronological

work of the Egyptian priest Manetho, who was commissioned by Ptolemy II. Philadelphos to inquire into the ancient history of Egypt. There is absolutely no reason to doubt the general correctness of Manetho's lists. It is true that we have not his original work; but the extant versions, although sometimes differing from one another as to the names of the kings, which have been terribly garbled by copyists, and as to the numbers of regnal years, are still united as to the main dynastic scheme and the period of time which it occupied. Further, in no case does Manetho's account seriously disagree from that of the chronological papyrus of Turin, the tablets of Abydos and Sakkâra, or the contemporary monuments themselves; all agree with one another. The accepted chronological scheme, which was founded on the Manethonian list, is perfectly satisfactory, and in no case has the progress of discovery made it necessary to materially alter it. But Mr. Torr starts to reconstruct Egyptian chronology on a new method. If the highest monumental date of a king to whom Manetho assigns a twelve years' reign is that of his fourth year, Mr. Torr assumes that the monarch in question reigned four years and no more.¹ This process is applied, with a certain disregard of probability, to the whole succession of dynasties up to the beginning of the XVIIIth, to which is assigned a "lowest possible" date of 1271 B.C. But this is no possible date for the XVIIIth Dynasty at all, as the method by which

¹ Cf. the case of Ai II., Kheper-Kheperu-ari-maât-Râ (Chebrês). (*Memphis and Mycenæ*, p. 44.)

it is attained is invalid as a means of reaching even an approximate date for any dynasty, since it is evident that the gap between the probable date and Mr. Torr's "lowest possible" must steadily widen the further he goes back. Again, this critic takes absolutely no notice of any synchronism established between Egyptian history and that of other nations before the time of the XXVIth Dynasty. Thus he hardly mentions the well-known synchronism between

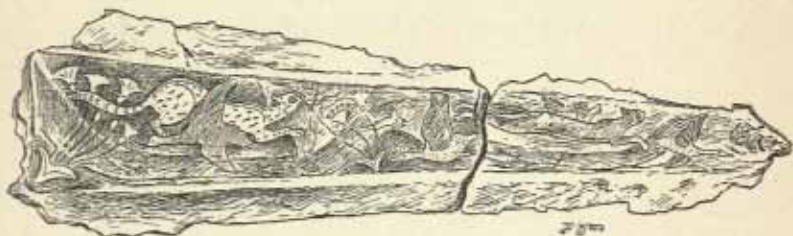


FIG. 25.—Bronze Swordblade from Mycenæ, with inlaid Egyptian design of cats hunting wildfowl.

Shashank I. (Shishak) of the XXIInd Dynasty and Rehoboam, which dates the reign of this Pharaoh to about 960 B.C. This alone is sufficient to show that his date for the commencement of the XXIInd Dynasty (B.C. 818) is more than a century too late. Finally, he entirely ignores a well-known synchronism, which completely invalidates the whole of his chronological scheme. Khuenaten (Amenhetep IV.) of the XVIIIth Dynasty was a contemporary of Burraburiyash of Babylonia, whose date can be certainly fixed, with the help of the Babylonian and Assyrian records, to about 1430 B.C. Further com-

ment on the failure of Mr. Torr's attempt to reduce Egyptian chronology is surely needless.

The orthodox scheme of Egyptian chronology, first sketched on the Manethonian lines by the keen insight of Lepsius, and placed upon a settled basis by the greatest master of Egyptological science, Heinrich Brugsch, can therefore be accepted with absolute confidence: the XVIIIth Dynasty roughly dates to B.C. 1700-1400.¹ The date of Thothmes III. is roughly 1550 B.C.²



FIG. 26.—Mycenaean *Bügelkannen*, from a wall-painting in the tomb of Rameses III.; c. 1200-1150 B.C.

Further evidence that the Mycenaean culture was in full vigour as early as the sixteenth century B.C. can be adduced. The Egyptian design of the ceiling of Orchomenos (Fig. 48) and that of the cats hunting

¹ The fact that Lepsius and Brugsch arranged this chronological scheme before the synchronism of Khuenaten with Barraburiyash was known says much for their acumen and even more for the accuracy of Manetho!

² Professor PETRIE (*Hist. Eg.* ii.) dates the reign of Thothmes III. to B.C. 1503-1449, on the strength of some astronomical calculations by Professor MAHLER. But such calculations are extremely untrustworthy. (Cf. TORR, *Memphis and Mycenae*, ch. iv., a good criticism.)

wildfowl on the swordblade from Mycenæ (Fig. 25) look like XVIIIth Dynasty work, but of course they *may* have been imitated at a later period, though this is improbable.

Evidence is forthcoming of the existence of the Mycenæan culture in the twelfth and eleventh cen-



FIG. 27.—A Mycenaean Vase and other objects, from a wall-painting in the tomb of Rameses III.; c. 1200-1150 B.C.

turies. That from the "Maket-tomb" we have seen to be doubtful, but we have yet to quote a piece of evidence of far greater importance. On the walls of the tomb of King Rameses III. at Thebes are represented, among other objects of value, some Mycenaean "Bügelkannen" (Figs. 26, 27). Rameses III. reigned in the half-century between 1200 and 1150 B.C. It is, of course, possible that the Mycenaean vases in question

were not painted on the walls of the tomb until some time after the death of the king; but even if we adopt this suggestion, it does not seem probable that the decoration of the tomb can have gone on for more than fifty years after the king's death. About 1100



FIG. 28.—Mycenaean *Bügelkanne*, from a XXIst Dynasty tomb;
c. 1000 B.C. (Brit. Mus. Egyptian Dept., No. 22,821.)

B.C., therefore, the Mycenaean culture was still vigorous. This date may be confirmed by the fact that from the mound of Tell el-Yahûdiyeh in the Delta we have vases, which seem to be of XXth Dynasty date (B.C. 1200-1075), which are obviously rough native Egyptian imitations of Mycenaean

originals.¹ But this evidence is subject to the reserves which are necessary in all cases of discovery of vases, etc., in Egypt: the possession of the paintings of Mycenaean vases on the walls of the tomb of Rameses III. and the paintings of the XVIIIth Dynasty Keftians at Knôssos is worth all the rest of the evidence put together. That fine Mycenaean vases were still made about 1000 B.C. seems to be shown by the discovery with the coffin of Tchet-Khensu-âuf-ânkh, a grandson of King Pine-tchem I. of the XXIst Dynasty, of the splendid "Bügelkanne"² figured above (Fig. 28).

This is the latest evidence from Egypt on the subject of Mycenaean dating. During the XXIInd Dynasty (B.C. 975-800) practically no evidence of connection between Egypt and Greece is found, which would be curious if Mycenaean culture had been still vigorous at that time.³ Towards the end of this dynasty Egypt fell into a state of confused anarchy, during which no extensive relations with the nations oversea can well have existed. For this period, however, we have evidence from Greece itself: the late Mycenaean "Treasure of Ægina," now in the British Museum, is dated by Mr. A. J. Evans to about 800 B.C., a date which is indicated by comparison with Italian work of about that time, and by the strong traces of Phœnician influence which are to be seen in many of the articles of this magnificent *parure*.⁴

¹ PETRIE, *Egypt and Early Europe*, p. 74.

² Now in the British Museum, Egyptian Department, No. 22,821.

³ See Addenda, p. 313.

⁴ *J. H. S.* xiii. p. 195 ff. X

Later evidence of the continuance of Mycenæan art in Greece proper there is none: by this time the barbaric art of the Geometrical period was fast ousting the older and better work in Greece. But in Asia this is not the case. As was pointed out in the last chapter, here the Mycenæan culture seems still to have existed in a debased form: the "sub-Mycenæan" deposits of Assarlik in Karia probably date to the eighth century. Although geometrical art never attained any footing in Asia, which seems to have become the refuge of the older culture when the mainland of Greece was given over to the comparative barbarism which followed the Return of the Herakleids, yet the Mycenæan culture cannot have lingered there very long: it was soon supplied by the new orientalizing styles of art, Ionian in origin, which heralded the beginnings of the New Greece in Asia. In Cyprus, however, the process of supersession was apparently not carried out so quickly: here Mycenæan art, originally strange to the island, seems to have remained active until the seventh century. This date is absolutely indicated by the occurrence with Mycenæan vases in undisturbed tombs at Curium and Enkomi of Babylonian cylinders of the eighth and seventh centuries, and of Egyptian objects of similar date.¹ This is an important fact. As Mr. Walters has pointed out, it is "a fact which will hardly surprise any one conversant with Cypriote archæology and the circumstances of

¹ Cf. MURRAY, *Excavations in Cyprus*, London, 1899. The porcelain rhytons from the Enkomi graves, as well as other objects, such as bronze greaves, clay idols of the type mentioned below (p. 111), &c., are equally indicative of late date.

early Cypriote history."¹ Cyprus was always at least a century behind the rest of Greece. The Dorians never reached Cyprus; the geometrical art of the Dipylon never took root there; the old Mycenæan culture naturally went on until at the beginning of the seventh century it gave place to a "Mischkultur," half Oriental, half Greek, with artistic ideas influenced partly by Phœnicia, partly by the new and renascent Greece of the seventh century.

It now becomes possible to attempt to date the antiquities of the præ-Mycenæan period. There is little question as to the existence of a primitive period of civilization in Greece, whether we call it præ-Mycenæan or not. But, to take a single instance, to whom can the primitive cist-graves of the islands belong unless to a præ-Mycenæan population? The only alternative supposition is that they are the remains of a population of the ninth and eighth centuries which remained barbarous and undeveloped owing to their isolation and poverty; but this would assume that the islanders of the ninth and eighth centuries still used stone and copper weapons while the rest of the Greek world used iron. Which is impossible. Other arguments which confirm the præ-Mycenæan date of the primitive culture of Greece have already been adduced.

It is obvious that some considerable time must be allowed for the development of Mycenæan art out of the rude artistic efforts of the præ-Mycenæan peoples of the Ægean basin. A date nearer to 2000

¹ *J. H. S.*, xvii. p. 77.

than 1000 B.C. is thus indicated. The deposits of the transitional "proto-Mycenæan" period in Thera have been dated by the geologist, M. Fouqué, on geological grounds, to about 2000 B.C.¹ If there is little archæological evidence for this date, there is none against it, and if the evidence which seems to show that Mycenæan culture was fully developed as early as the sixteenth century B.C. is accepted, it would seem to be not impossible. But M. Fouqué's conclusions have been perhaps successfully challenged by another geologist, Dr. Washington.² Mr. Torr has also ably criticised M. Fouqué's theory,³ and *his* conclusions have again been controverted by Mr. Myres.⁴ But neither Mr. Torr nor Mr. Myres are geologists, and until the geologists are agreed as to the value of their own evidence, M. Fouqué's date must be shelved. (See Addenda, p. 313.)

Evidence as to præ-Mycenæan dating has, however, been obtained from Egypt, which is by many considered to show that the præ-Mycenæan period was contemporary with the XIIth and XIIIth Dynasties.

We will first see if the date of these dynasties can be approximately fixed.

Between the end of the XIIth and the beginning of the XVIIIth Dynasty a long space of time undoubtedly intervened, and this fact is indicated clearly enough in Manetho. But Mr. Torr, in his criticism of Egyptian chronology, ignores this, and makes Amenembät IV., the last king of the XIIth

¹ *Santorin et ses Éruptions*, pp. 129-131.

² *Am. Journ. Arch.* ix. p. 504 ff.

³ *Memphis and Mycenæ*, App. p. 72 ff.

⁴ *Class. Rev.* 1896, p. 450.

Dynasty, the immediate predecessor of Aahmes I., the first king of the XVIIIth.¹ Even if we admit that Manetho's figures are here garbled (by no means a necessary admission), at least three or four hundred years must be allowed for the space of time occupied by the XIIIth Dynasty, which ruled *over all Egypt* in succession to the XIIth, and for the Hyksos and the unimportant dynasties of Upper Egypt (XIVth and XVIIth) which were contemporary with them. Also the great differences in civil polity, in religion, in manners and customs, even in national ethnic type, which are observable between the Egypt of the XIIth Dynasty and that of the XVIIIth, show that a considerable period of time elapsed between these two dynasties.² Since the length of this period cannot be accurately gauged, it is best to hold to the dating of Lepsius and Brugsch, which is founded on the Manethonian figures as we have them. In assigning to the "Middle Kingdom," the period covered by the XIth-XVIth Dynasties, the approximate date 2700-1700 B.C., we are probably not much

¹ *Memphis and Mycenæ*, p. 51.

² I have not mentioned differences in art, because, although the art of Thothmes III.'s time is very different from that of the time of the XIIth Dynasty, yet it seems that this difference was caused not by a slow development, but by a sudden revolution which took place during the reigns of the two first kings of the XVIIIth Dynasty, Aahmes I. and Amenhetep I. *E.g.*, the royal scarabs of these kings might often from their style—a style to which an Egyptian artist rarely returned after the time of Amenhetep I.—have been made under the XIIth Dynasty. It is interesting to note that in the reign of Amenhetep I. a change was also made in writing: at this time the older style of hieratic ends and the style of the "New Empire" begins.

in error. The XIIth and XIIIth Dynasties appear to cover the period from 2500 to 2000 B.C.¹

Evidence of the contemporaneity of the proto-Mycenæan deposits with the XIIth Dynasty has been deduced from the occurrence, already mentioned, in graves and house ruins of the XIIth Dynasty at Kahun, of vase fragments which closely resemble the proto-Mycenæan vases of Thera and Crete, at any rate in outward appearance; Mr. Myres goes further, and considers that "the two wares are almost identical."² But this evidence from Kahun is, taken by itself, not good. Even setting aside the constant uncertainty as to whether all the objects found in an Egyptian tomb, grave, house ruin, or rubbish heap really date to the time of the original owners, it seems unlikely that all these fragments from Kahun date back to the time of the XIIth Dynasty; several burials of later date have been found among the ruins of the XIIth Dynasty town there, and from these graves some of these fragments may have strayed.³ Also, the resemblance of the spiral designs

¹ It has lately been argued by BORCHARDT (*J. Z.*, xxxvii. (1899) p. 2) that the statement in one of the Kahun papyri (dated in the seventh year of a king of the XIIth Dynasty, presumably Usertesen III.) that Sirius rose heliacally on the fifth day of the fourth month argues a date between 1876 B.C. and 1872 B.C. for this king. But such calculations are in the highest degree doubtful; and in *Class. Rev.* xiv. (1900) p. 148, NICKLIN argues the date c. 1945 B.C. from the same data.

² *Proc. Soc. Antiq.* Series II. xv. p. 356.

³ "As they (the fragments of foreign pottery found at Kahun) were none of them on the floors of the chambers, or in unequivocally early positions, they may be later intrusions and dropped by chance passers, and some are almost certainly late."—PETRIE, *Kahun, Gurob, and Hawara*, p. 43. Cf. p. 31.



FIG. 29.—Vases of "punctuated" black ware, from Khata'nah and elsewhere in Egypt; c. 2000 B.C.
(Brit. Mus. Eg. Dept. Nos. 30,444, 27,472, 27,471, 4809, 21,976.)

on Egyptian scarabs of the time of the XIIIth and earlier Dynasties to the similar designs of many of the Cretan sealstones discovered by Mr. A. J. Evans could hardly by itself be taken to prove much with regard to præ-Mycenæan dates, as we shall see farther on. We have, however, two pieces of archæological evidence of much greater weight.

At Khata'anah, in Lower Egypt, small black vases of a type already known from Egypt (ornamented chiefly with rows of punctured dots, sometimes with lines, spirals, &c., filled in with white) were found by M. Naville together with flint chips and scarabs of the XIIth and XIIIth Egyptian Dynasties.¹ Dr.



FIG. 30.—Hawk-vase of black "punctuated" ware. (Brit. Mus. Eg. Dept. No. 17,046.)

Murray (*Handbook to Greek Archaeology*, p. 13) considers these vases to be of "high antiquity." In fact, their date is clearly indicated.² Pottery of the same fabric has been found in Cyprus; usually in deposits which other evidence shows to be præ-Mycenæan.³

¹ *Goshen*, p. 21; cf. GURFITH, *Tell el-Yahūdīyeh*, p. 56, pl. xix.

² Scarabs of this time are quite distinct in fabric and design from those of later days, and are at once recognizable. See further, Addenda, p. 314.

³ *E.g.* at Kalopsida (MYRES-RICHTER, *Cyprus Catalogue*, p. 38). This ware seems to have been used in Cyprus for a long period, as it occurs in Mycenæan tombs at Enkomi (MURRAY, *Excavations in Cyprus*, p. 7, Figs. 8-9). The real origin of this ware is doubtful. In this connection a vase of this ware in the form of

It will be noticed that there is no trace in the Khata'anah find of any object which is *certainly* of later date than the XIIIth Dynasty, and this, taken in connection with the fact that the black ware found there is, when discovered out of Egypt, usually of pre-Mycenæan date, would seem to synchro-



FIG. 31.—Vase of the same black ware, not "punctuated." (Brit. Mus. Eg. Dept. No. 32,048)

nize the præ-Mycenæan period with the XIIth and XIIIth Dynasties, *circa* B.C. 2500-2000. Now, a large vase of the same ware was found in XIIIth Dynasty deposits at Hu in Middle Egypt in 1899 by Professor Petrie, and at Kahun have also been found fragments of this same black "punctuated" ware, a ware so peculiar that it cannot well be confounded with any other.¹

Thus the Khata'anah dating is confirmed, for *the*

a hawk (Fig. 30) will be interesting. Is it evidence of Egyptian influence? Vases in the form of animals, men and women squatting on the ground, with neck and handle on the top of the head, were much used in Egypt under the Old and Middle Kingdoms.

¹ It is true that black incised ware is a common form of primitive pottery; but anybody who has attentively noted the peculiarities of this Mediterranean ware will easily be able to distinguish it from other primitive styles of black pottery. It seems different from that of the "pangraves" at Hu, which Professor PETRIE dates to the time of the XIIth Dynasty, but which, except for his high authority, one would be inclined to refer back to the prehistoric period, to which the black incised pottery from Nakâda and Bullas (PETRIE: *Nagada and Bullas*, pl. xxx. n 2-50), which is also quite distinct from the black pottery of the XIIth and XIIIth Dynasties, belongs.

majority of the finds from Kahun are certainly of XIIIth Dynasty date. But whether XIIIth Dynasty date for the fragments from Kahun which resemble those from Thera and Kamárais (p. 67) is hereby made more probable is open to doubt. If the præ-Mycenæan black ware is mainly of XIIIth-XIIIth Dynasty date the proto-Mycenæan ware from Kahun ought to belong to a somewhat later period.¹

The second important piece of evidence is that of the primitive præ-Mycenæan deposit at Hagios Onouphrios in Crete, where XIIIth-XIIIth Dynasty scarabs only were found with primitive præ-Mycenæan objects only.² (See further, pp. 147, 155.)

Of course this evidence is by no means *absolutely* certain: if we possessed representations of præ-Mycenæan pots on the walls of Egyptian tombs of the Middle Kingdom the question of præ-Mycenæan dating would be much simplified! All we can say is that the præ-Mycenæan culture in Greece must date to at latest before 1600 B.C., if it is to be præ-Mycenæan at all, and that what little evidence there is confirms this date. In Cyprus, however, the præ-Mycenæan culture seems to have lingered on in



FIG. 32.—Vase of "white slip" ware with black painted decoration, from Cyprus.

Rec. of Par. & references of the vase in Hyc. date -

¹ The evidence of date supplied by the Egyptian statuette from Knossos is discussed on p. 321.

² EVANS, *Cretan Pictographs*, p. 105 ff.

much the same way as the Mycenæan culture did in later days: fine Mycenæan vases appear to have been imported into Cyprus at a time when vases, of what we should otherwise call a "præ-Mycenæan" type, such as the hand-made bowls and jugs (Fig. 32) of white slip ware with black painted decoration,¹ were still in common use there. And another Cyprian

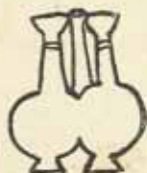


FIG. 33.—Type of Double-vase of Cyprian black "base-ring" ware, found in Egypt; date about 1400-1100 B.C.

præ-Mycenæan vase-type,² illustrated by Figs. 33, 34, which is commonly found in Egypt, first occurs there in tombs of the XVIIIth and XIXth Dynasties: *i.e.*, it was for a time contemporary with the finest Mycenæan styles. But in Greece proper we have no such evidence of any contemporaneous-

ness of the two cultures; no Mycenæan vases are found in the cist-graves of the Cyclades and no præ-Mycenæan vases in the graves of Ialysos and Mycenæ.³ And at Athens, Troy, and elsewhere the præ-Mycenæan towns lie far below those of the Mycenæan Age.

It would seem improbable that the præ-Mycenæan period extended very far back into the third millennium B.C., if one of its earlier types of pottery is to

¹ MYRES-RICHTER, *Cyprus Catalogue*, p. 39; WALTERS, *J. H. S.* xvii. p. 74.

² The black "Base-ring" type of MYRES-RICHTER, *Cyprus Catalogue*, p. 37.

³ But the Mycenæans seem sometimes to have used a rough black pottery for common every-day use, as we use a rough red pottery now. (*Cf.* MURRAY, *Excavations in Cyprus*, p. 7.)

be considered contemporary with the XIIIth Dynasty (B.C. 2300-2000). But it has been attempted to show that it extended at least as far back as the fifth or sixth millennium! Præ-Mycenæan stone vases and pottery are compared with the Egyptian stone vases and pottery of the early period (c. 4500-3500 B.C.), and a contemporary connection is assumed between them.¹ The Egyptians of the primitive period lived in much the same stage of culture as the primitive Greeks of two thousand years later; but so many differences can be observed between the two cultures that to argue any contemporary connection between them is surely to carry the logically defective argument from analogy much too



FIG. 34.—Type of Vase of Cyprian black "base-ring" ware; found in Egypt; date about 1400-1100 B.C.

far. There is, of course, no particular reason why the præ-Mycenæan stage of Greek culture should not have lasted for two thousand years (primitive cultures last long and their development is often quite sudden), but there is also no evidence to confirm the supposition, and the fact that the class of præ-Mycenæan pottery which is perhaps contemporary with the XIIth and XIIIth Dynasties is early of its kind would seem to militate against its probability. In the island of Kythéra, however, a rude

¹ Cf. PETRIE, *Egypt and Early Europe*, p. 61; EVANS, *loc. cit.* p. 117 ff.

stone vase has been found, which is considered to be of præ-Mycenæan date, which bears three rudely incised marks which are considered to be an imitation of an Egyptian priestly title in vogue under the VIth Dynasty. This has been considered to date the præ-Mycenæan period back as early as the time of the VIth Dynasty, *circa* 3000 B.C. at latest.¹ But it may be noted that (i) the resemblance of the marks upon it to the Egyptian hieroglyphs in question is too remote to justify the conclusion that the marks are an imitation of those hieroglyphs; (ii) if they were admitted to be such an imitation, there is nothing to show that they were copied at the time of the VIth Dynasty. Further arguments for the contemporaneousness of the præ-Mycenæan culture with the VIth Dynasty have been deduced by Mr. A. J. Evans from certain supposed resemblances between a supposed "Cretan" sealstone found at Karnak and Egyptian VIth Dynasty seal-cylinders;² as will be seen later, this evidence is weak. No other evidence for a date earlier than 2500 B.C. has been adduced, except that of what are certainly fragments of Ægean vases of proto-Mycenæan style, which have been found by Professor Petrie in the archaic tombs of Tcha (Ze) and Hu (or Nekht)-Semerkhat,³ two kings

¹ EVANS, *J. H. S.* xvii. p. 349; TSOUNTAS-MANATT, p. 279.


² EVANS, *J. H. S.* xvii. p. 362.



³ Called by PETRIE "Mersekha"; "Semerkhat" seems to be a more accurate spelling. PETRIE also retains the reading "Semen-Ptah" for the "real name" of this king (as distinct from the "srckh-name" or "ka-name," *Semerkhat*, $\left| \begin{array}{c} \text{D} \\ \text{V} \end{array} \right| \leftarrow$). The "real

of the 1st Egyptian Dynasty, at Abydos, which date to about 4000 B.C. In the absence of further evidence, it seems best to conclude that these fragments somehow got into these tombs at a later date: under ordinary circumstances one would not be inclined to date them earlier than 2000 B.C.

The earliest probable date for the præ-Mycenæan culture, that of the early settlements and tombs of Troy, of the Cyclades, and Cyprus, is thus shown to be after 2500 B.C.; with regard to the date of the lowest strata of Troy and Athens, the most primitive relics of civilization in Greece, all that can be said is that they must be dated before 2500 B.C.; how long before it is impossible to say.

It may be useful to arrange the chief evidence for the dating of the Mycenæan and præ-Mycenæan periods in tabular form, as follows. *Good* evidence is printed in **heavy type** and *indifferent* in ordinary type.

name" is certainly  *Hu* or *Nekht*. This was misapprehended by the compilers of the later lists, who substituted for it a figure of the god Ptah, or what may have been meant for a priest of Ptah. This name was read by modern Egyptologists *Sem-en-Ptah*, "*Sem*-priest of Ptah," which would be in some sort of agreement with the Manethonian equivalent of this king, Σεμεμψης. The form Σεμεμψης probably originated in a different mistake.

Some copyist misread the peculiar  as , to which its archaic form in the inscriptions of *Hu* bears a very strong resemblance (*cf.* PETRIE, *Royal Tombs of the First Dynasty*, pl. xvii.). This sign reads *sem*; hence Σεμψης, and, through the mistake of one of Manetho's copyists, the "Σεμεμψης," to fit in with which the reading "*Sem-en-Ptah*" was proposed.

EG. DYNASTIES.	DATE B.C. <i>Circa</i>	EVIDENCE.
XXIII-XXV	700-800	Late-Mycenæan deposits from Cyprus.
XXII-XXIII	800	Late-Mycenæan treasure from Ægina.
XXI	1000	Mycenæan Vase from tomb of grandson of Pinetchem I.
XX	1100	Imitation Bügelkannen from Tel el-Yahudiyeh.
XX	1100-1150	Representations of Mycenæan Vases in tomb of Rameses III.
XIX †	† 1200-1300	Mycenæan Vases from Gurob and Maket Tomb.
XVIII	1400	Mycenæan Vase-fragments from Tel el-Amarna.
XVIII	1450	Scarabs of Amenhetep III. and Thli at Mycenæ and Ialysos.
XVIII	1550	Representations of Mycenæan metalwork and costumes in tombs of Rekhmara and Menkheperra-senb.
XIII	2000-2300	Præ-Mycenæan deposits containing vases of punctuated black ware, which in Egypt are only found in deposits of this date.
XIII-XII	2000-2500	Scarabs from the Hagios Onouphrios deposit (Præ-Mycenæan).
XII	2300-2500	Proto-Mycenæan and Præ-Mycenæan Vase-fragments from Kahun.

IV

THE QUESTION OF RACE

THE current hypothesis assumes that the "Mycenæans" were, generally speaking, Achaian Greeks. With regard to the racial affinities of the præ-Mycenæan tribes it expresses no decided opinion.

This does not mean that every tribe which was comprised within the circle of Mycenæan civilization was necessarily Achaian, or even what we usually consider to be Greek: the presence of Mycenæan culture need not, in all cases, imply the presence of Aryan Hellenes. Very probably the Lykians and certainly the Trojans of the Sixth City were included among the "Mycenæans," but neither were Hellenes. Also the population of the Cyclades at this period, though "Mycenæan," was apparently not Hellenic, and, though the Cretans of the Mycenæan period were all "Mycenæans," they were certainly not all Aryan Greeks.

What it does mean is, that the Mycenæan culture is chiefly identified with the Achaian Hellenes; that, as far as can be seen, it reached its highest development in those lands and cities which are most associated with the Achaian name, and that its widespread extension throughout the Greek lands was in all probability a consequence of that

To continue (in this sense) the opinion that the combination in itself
of the 4. to 3. with under the A. Chalcians

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X. dominant position of the Achaians, Minyans, and other kindred Hellenic stocks of which the legend of the hegemony of the kings of Mycenæ is good evidence.

The general evidence for this conclusion has been so often and so well stated before that it is hardly necessary to re-state it here in full. The argument may, however, be expressed concisely thus: The most important relics of a peculiar form of Greek culture, which is more or less scattered all over the Greek world, are found in certain places which in classical times were either altogether deserted or utterly unimportant, but play a great part in legend—*i.e.*, were in præ-classical times of great importance. It is evident that at the time the objects of luxury and masterpieces of art which characterize this culture were made, these places were of great commercial and political importance. It must, therefore, have been in præ-classical times that this peculiar culture existed in these places. This conclusion is confirmed by the fact that the general character of this culture shows that it cannot be placed anywhere within the limits of the classical period: *i.e.*, it is præ-classical. But not only is it præ-classical, but præ-Homeric, since it belongs to the Bronze Age, whereas in Homeric times iron was used; also, the Homeric culture appears to be a degenerate form of it. Therefore we are justified in assigning this præ-Homeric culture primarily to the people who dwelt in these places in præ-classical and præ-Homeric times, and in whose time, according to tradition, they possessed great wealth and power. These were the Achaians

and the other ruling Greek tribes of the Heroic Age who were connected with them. And where are the relics of these legendary præ-classical kingdoms and peoples if the præ-classical "Mycenæan" remains are not they? They cannot have vanished into thin air! It is, of course, taken for granted that these legends enshrine historical truth: to treat the *unanimous* voice of Greek tradition as of no account, to regard the Achaians and their compeers as myths, is impossible.

It has, however, been proposed to identify the "Mycenæans" with the Pelasgians rather than with the Achaians. The author of this proposal, Prof. Ridgeway, argues that the Mycenæan culture cannot be Achaian, because Mycenæan remains have been found in countries—as, for instance, in Attica—which had no connection with the Achaians. In Attica, however, he argues, strong traces of the Pelasgians have been found, and in Argolis, a stronghold of the Achaians, Pelasgians also lived before the period of Achaian domination. Therefore the Mycenæan culture of Argolis, Attica, and elsewhere must be assigned to the Pelasgians rather than to the Achaians. Further, this culture was from beginning to end Pelasgic, and Pelasgic only.¹

In supposing that the Mycenæan culture is generally considered to have been limited to the Achaians alone Prof. Ridgeway seems to be under some misconception. Surely nobody proposes to *absolutely* limit this culture to the Achaians: Pelasgians may just as well have been included in its sphere of influence as

¹ *J. H. S.* xvi. pp. 77-119.

any other tribe of Greece. The Mycenæan culture was the common culture of the Greek world before the ninth century B.C. at the time of the domination of the great Achaian and Minyan¹ princely families of Phthiotis, Bœotia, Argolis, Lakonia, and Crete over populations partly of Hellenic, partly of Pelasgic blood. Finding that the chief seats of their power were also apparently the chief seats of this culture, we naturally refer it mainly to them. It is in this sense that we are justified in speaking of the Mycenæan culture as Achaian.

Also, if the "Mycenæan" peoples were Pelasgians only, what becomes of the Achaians? Why should we skip them over and ascribe the whole of Mycenæan culture to præ-Achaian Pelasgians?

Professor Ridgeway would, however, no doubt say that he does not skip the Achaians: he would regard the Homeric culture as that of the Achaians of the Pelopid hegemony. But, if the Homeric culture was that of the Perseid and Pelopid Achaians, how is it that no traces of this decadent Mycenæan, iron-using culture have been found in Mycenæ and other seats of Achaian rule in Greece? The first regular iron-users of European Greece were the people to whom the geometrical style of art belonged, not "Mycenæans." And these people were probably the Dorians. Therefore, when the Homeric culture was dominant in Asia the Dorian had apparently already entered Greece and the period

¹ Prof. RIDGEWAY'S argument (*loc. cit.* p. 107) that the Minyans were Pelasgians, because at Orchomenos there was a temple of the Graces, and Herodotos thought that the Graces were Pelasgic deities, seems hardly convincing.

of Achaian hegemony had ceased. And this is confirmed by the later Homeric songs, which mention Dorians as already firmly settled in Greece. So that the Homeric culture cannot be assigned to the heroic Achaians.

Again, even if we could follow Professor Ridgeway in rigidly confining a particular phase of Greek civilization to a particular race of Greeks (*i.e.*, inhabitants of Greece, whether Hellenes or Pelasgians, Aryans or non-Aryans), the differences between the Homeric and Mycenæan cultures would not be great enough to cause us to necessarily assign them to two different races: the Homeric culture is essentially the same as the Mycenæan, though apparently a later form of it. The much-vaunted difference between the burial customs of the Mycenæans and the Homeric Greeks cannot be taken to signify any racial distinction: during the later Bronze Age in Western Europe the customs of simple burial and cremation long existed side by side in the same settlements; this implies no difference of race, but only a gradual alteration of custom. Great personages were apparently still buried after the old fashion when cremation had become the general rule; and, as a matter of fact, we do not know that this was not the case in Greece during the Mycenæan period. The differences, again, between Mycenæan and Homeric weapons and armour only show that in the Homeric period they had altered somewhat from the old Mycenæan standard, and were approximating to that of the classical age.

The genealogical arguments which Professor Ridge-

way adduces in support of his position cannot be said to prove very much. They must be to a great extent of little value; many Greek genealogies are obviously mere ætiological inventions. Certain main features of Greek legend, such as the Minoan thalassocracy, the Achaian hegemony, the Return of the Hērakleids, the presence of the Phœnicians in the Ægean, the Trojan War, the War of the Seven against Thebes, must assuredly enshrine historical facts; but minutely specified genealogies and explanatory tales are hardly worthy of much credit. The tradition which makes the Arcadians of exclusively Pelasgic and non-Achaian descent is very probably correct. This being so, we should expect that if the Mycenæan culture were exclusively Pelasgian we should find it well represented in Arcadia. But in Arcadia, as Professor Ridgeway admits, the only trace of Mycenæan culture yet found is a single gem from Phigaleia, which may have been, and very probably was, imported from elsewhere. If we had any desire to entirely exclude the Pelasgians from the list of "Mycenæan" nations no better argument than this could be found for the purpose!

But there is no more ground for an assertion that no Pelasgians were "Mycenæans" than for the assertion that the Mycenæan culture was exclusively Pelasgian. Not only is it probable that during the period of Achaian domination most of the as yet unhellenized "Pelasgic" tribes of Greece were comprised within the circle of the Greek Bronze Age culture—i.e. were "Mycenæans"—but it also seems very possible that it is to Pelasgic tribes that the

*Mycenæan civilization
not found on the
mountains at
level or any
near this
level but on a different
level*

origin of many elements of Mycenæan culture must be assigned, especially those which seem to have been taken over from the older culture of the "præ-Mycenæan" age. In fact the "proto-Mycenæan" culture of the Cyclades and Crete—the beginnings of the Mycenæan culture, that is—may with great probability be assigned to a præ-Achaian "Pelasgic" population.

If the Mycenæan civilization was predominantly Achaian, to whom are we to ascribe the culture of præ-Mycenæan times?

According to the consensus of Greek tradition, Greece proper and the lands of the Ægean, besides other outlying parts of the "Greek world," were inhabited, before the period of Achaian domination, by various tribes, most prominent of whom were the Pelasgi. As to the nationality of these tribes Greek opinion appears to have been uncertain: the Pelasgi, for instance, are sometimes regarded as barbarians, sometimes as nearly akin to the Greeks. Many elements of Greek culture which were regarded as "Pelasgic" appear to us Aryan enough; while the study of others leads us to the conclusion that these tribes cannot have been Aryans, but were relics of an altogether præ-Aryan Greek population. The word Πελασγοί was also apparently used to designate tribes which had little or no real ethnic connection with each other; in general use the word seems to have covered a number of different præ-Achaian tribes of continental Greece, Crete, Asia, and Southern Italy, some of whom may have been

related to the Greeks, while others certainly were not. The Eteokretans and the Leleges, for instance, while quite distinct from the Pelasgi proper, might yet be spoken of as "Pelasgian" in the widest sense of the word.

It is to these "Pelasgian" tribes that we must assign the primitive or præ-Mycenæan stage of Greek culture. If the Mycenæan culture was predominantly Achaian, they are the natural claimants of the earlier stage of culture which preceded it, as they preceded its users in the possession of the land.

To attempt to reconstruct the history of the "Pelasgi" is utterly hopeless: the legends are so contradictory that next to nothing can be made out of them. All we can see is that at some time towards the end of the third millennium B.C. the various tribes of "Pelasgians," whose settlements seem to have been usually placed upon some eminence, and when on the sea coast at some little distance from it, were overthrown by the "Hellenic" tribes from the north, who took from them their burghs, and became masters of their lands, reducing them ordinarily to the position of a subject-race. The Hellenic conquest was, no doubt, a very slow and gradual process, resembling that of Britain by the Teutons. As in the latter case, the slowness and gradual character of the conquest seems to have rendered any great expulsions or migrations unnecessary, so that a large proportion of the original inhabitants continued to live in the land as subjects, mingling gradually, however, with their masters and intermarrying with them, so that in time a mixed race was formed,

in which the Pelasgic element was probably far stronger than is usually suspected, just as the Celtic element in England proper is much greater than we are accustomed to think. Tradition points to many marriage-alliances between the old Pelasgian princely houses and the chiefs of the newcomers. It seems to have been only in rarer cases that the original inhabitants did not remain upon their lands; some of the aboriginal tribes were driven into various out-of-the-way corners, where one or two, like the people of Krèstòn, Plakia, and Skylake, continued to exist, distinct from their Hellenic or other neighbours, and still βαρβαρόφωνοι, as late as the fifth century B.C.;¹ while others, as the Arcadians, seem to have remained to a great extent un-Hellenic until they were partly conquered, partly expelled, by the Dorians, at the time of whose invasion the Arcadian emigration to Cyprus probably took place. The fact, already pointed out, that no very violent break is noticeable between the præ-Mycenæan and Mycenæan cultures, that the one develops out of the other, makes it probable that the conquest and the process of blending the conquerors with the conquered was even slower and more gradual than the same process in Britain; far more so than in the case of the Dorian invasion, which was followed by a sudden retrogression in culture. Also the presence of many Pelasgic, or at any rate præ-Hellenic, elements in Greek religion confirms the supposition that the Hellenes mixed very largely with their Pelasgian forerunners, from whom they evidently derived many

¹ Hdt. i. 57.

elements of their civilization. The "Pelasgians," therefore, may be regarded as *contributors* to the formation of the Mycenæan culture, if not something more, but certainly not as its sole possessors.

We have seen that while some of the "Pelasgian" tribes *may* have been racially akin to the Aryan element among the Greeks, though we have no proof of the fact, others were certainly in no way related to that stock, and were indeed very probably not of Indo-European blood, or, at any rate, only very remotely connected with the Indo-European peoples. This seems to have been the case with the "Pelasgian" tribes of Asia Minor, the Ægean Islands, and Southern Italy, to whom we must assign the primitive culture of those countries.

One of the most clearly defined of these tribes was that of the Eteokretans. This race was peculiar to Crete, and seems to have played a very considerable part in the early history of that island. That the Cretans of the præ-Mycenæan period were exclusively of the Eteokretan or "real Cretan" stock is extremely probable; they seem to have been gradually driven by successive immigrations of "Pelasgi" from Greece, Achæians, and Dorians,¹ into the easternmost part of the island, where they still maintained their separate existence in historical times. This people was always regarded by the Greeks as non-Greek; and that it was not only non-Greek, but

¹ *Od.* ix. 175 ff. ἀλλῆ δ' ἄλλων γλῶσσα μεμιγμένη. The Kydones may well have been an aboriginal race, like the Eteokretans.

also probably non-Aryan, is shown by a specimen of its language which has survived: the well-known inscription from Praisos. A group of letters ANAIT which occurs in it might be taken to refer to the Semitic goddess Anait, and so to betoken a Semitic origin for the Eteokretans.¹ But we do not know how the words of this inscription are to be divided, and so we may be justified in thinking it more probable that the Eteokretans belonged to the same stock as the other "Pelagic" tribes in their neighbourhood, than that they were Semites.

The stock to which these neighbouring tribes belonged was certainly neither Aryan nor Semitic.

In legend the Eteokretans are connected with the Lykians: the Eteokretan hero Sarpedon, brother of Minos, led a body of emigrants from Crete to Lykia, who drove out the aboriginal Milyans. These Cretan Lykians called themselves Termilai.² The colonization may really have been in the reverse direction, but the connection is probable enough, so that we may regard the Lykians and Eteokretans as closely allied.³ The remark of Herodotos that the

¹ EVANS, *Pictographs*, pp. 85, 86.

² Cf. HDT. I. 173, vii. 92; STRAB. xii. 8, 5, p. 573; xiv. 3, 10, p. 667. An Althaimenes, "son of Kréteus" (= an Eteokretan), is mentioned by DIOD., v. 59, as emigrating from Crete to Lykia, but he is probably a mere echo of the possibly historical Dorian colonizer of Crete, Althaimenes, son of Keisos and grandson of Temenos (STRAB. x. 479, 481; xiv. 653).

³ FRAZER, *Pausanias*, vol. iv. p. 120, notes that the custom of *Mutterrecht*, which obtained among the Lykians (HDT. I. 173),

Lykians called themselves Termilai is confirmed by the Lykian inscriptions, which give *Trīmli* as the original form of the name. At a very early period, certainly long before the coming of the Dorians, the *Trīmli* were to some extent hellenized, according to tradition by Ionian settlers, who mixed with them. At the time of the Persian Wars we find them wearing purely Greek armour, while their neighbours were equipped in a more or less barbaric manner.¹ This partial hellenization of the Lykians cannot have taken place till the Mycenæan period, if the præ-Mycenæan culture is præ-Hellenic. Whether the mention of *Luka* (=Lykians) on Egyptian monuments of the fourteenth century B.C.² proves it to have taken place before that date is doubtful. The name is mentioned in the preceding century, when the King of Alashiya (Cyprus; see p. 163) writes to the King of Egypt to explain that his subjects cannot have assisted the *Lukki* to raid the Egyptian coast (the Egyptian king apparently had complained that they had done so) because he himself was greatly harassed by the piracies of the *Lukki*.³ That these *Lukki* are the Lykians there seems little reason to doubt. And it is noticeable that they are called by

was also prevalent in Crete, and that Sarpedon himself commanded the Lykians at Troy by right of royal descent in the female line. The custom is another mark of non-Aryan race.

¹ HDT. vii. 92.

² As allies of the Kheta against Rameses II.

³ WINCKLER, *Tell el-Amarna Letters*, 28 (B^r). The sign *-ki* at the end of the word *Luk-ki* is half erased, but appears certain.

their *Greek* name, and not by the native name Trämli.¹

If the Lykians were akin to the Eteokretans, and the latter were, to judge from the inscription of Praistos, neither Semitic nor Aryan in race, the presumption is that the Lykians also were neither Semites nor



FIG. 35.—A Lykian Tomb of the fourth century B.C. The architecture apparently resembles that of the Mycenæans.

Indo-Europeans. This presumption is absolutely confirmed by their language, as it is known to us through the medium of inscriptions of the classical

¹ The tradition that the Ionian leader Lykos gave his name to the new people is, of course, merely ætiological; Lykos is an invention devised to explain the name. Λύκος may be a translation of Trämli: träm or trämli might = wolf; Trämli, the Wolf-folk.

age. It is neither Semitic nor Indo-European;¹ it is not an isolated speech: the dialects of Karia, Pisidia, Lykaonia, and Cilicia seem to have been closely related to it, and, to judge from place-names and proper names, a similar language was spoken by the præ-Aryan inhabitants of Mysia, Lydia, and Phrygia. And, if we accept the traditional connection of the Eteokretans with the Lykians, the enigmatic language of Praisos probably belongs to the same family of tongues. We thus have a group of non-Aryan tribes, preceding the Greeks in the occupation of the land, extending from Crete far into the interior of Asia Minor.

This race is, in fact, the typical race of Asia Minor. To it belong the enigmatic place-names ending in *-νδα*, *-σσα*, and *-σοος*, and such proper names as Kbondiasis, Idalogbasis, and Maussólos; to it belong the religion of Kybele or Ma, the Cretan Rhea, and of Atys, the orgies of the Kuretes of Crete and the

¹ Cf. KRETSCHMER, *Einleitung in der Geschichte der griechischen Sprache*, p. 370 ff. It is impossible to regard such a sentence as *ābhūnū hupo māti prūnawatō Arūmānōni sū lada ūbbi, herppi atla āpttā sū prūnāzi āpttāhi* = *Arūmānōni* and his wife built this tomb, for themselves and their household (*lit.* this tomb have built *Arūmānōni* and wife his, for self their and household [*pl.*] their), as belonging to any Aryan tongue. Nor, as Dr. Kretschmer points out (*ib.* p. 374), do such words as *hākbi*, *hōbūzōkrop* . . . , *lbbiyōi*, or *hūbbadi*, tend to show an Aryan origin for the Lykians. Such suffix-developments as *padrātahādi* from *padrātā* and *ātāpitōti* from *ātāpi* (quoted by Kretschmer, *loc. cit.*) are un-Aryan. KALINKA, *Die neuere Forschungen in Kleinasien* (Neue Jhbücher Klass. Alt., iii. 10 [1899]), agrees with Kretschmer. FRAZER'S remark (*Pausanias*, iv. p. 121) that "recent researches are said to have proved that the Lycian language was Aryan, and had close affinities with Zend," is somewhat out of date.

Korybantés of Phrygia, the splendid temple-worship of Pessinos or Komana. To it, probably, the sculptors of Boghaz Kōi and Eyuk and the mysterious hieroglyphed monuments of Northern Syria, which are often, but on insufficient evidence, dubbed "Hittite," belonged, and also, judging by the evidence of their proper names, in all probability the powerful race of the Kheta, who fought against the Egyptians, from the sixteenth to the fourteenth century B.C. the Khatte (*Hatté*) of the Assyrian inscriptions, who are sometimes thought to have been the unknown sculptors in question.

The existence of this non-Aryan primitive race of Asia Minor has always been recognized, but it is only of late years that its un-Semitic character has also been acknowledged. Radet, writing in 1893, still assumes it to have been Semitic.¹ Certainly some of the religious practices of this race have a Semitic look, and certainly the Kybele-Atys legend seems to have been very strongly influenced by the Babylonian legend of Ishtar and Tammuz; but this need not point to anything more than marked Semitic influence. Babylonian influence was probably at work in Asia Minor as early as 2000 B.C., so that the religion of Asia Minor was very early subject to the process which by the time the sculptures of Pterion (Boghaz Kōi) were executed and the classical period had been reached had succeeded in largely semitizing it.² We really have no evidence

¹ *La Lydie aux Temps des Mermnades*, chaps. vi. vii.

² It is doubtful whether the peculiar habit of representing deities mounted on lions, so typical of the religion of Asia

that any Semitic tribe ever penetrated beyond the Taurus. No trace of a Semitic idiom has been found among the languages of Asia Minor. To reckon the Solymi of Pisidia as a Semitic race, because their name has a Semitic sound and because an obscure writer quoted by Josephus speaks of them as *γλώσσαν μὲν Φοίνισσαν ἀπὸ στομάτων ἀφιέντες*,¹ is impossible: the fact that they were called Solymi would be quite enough to inspire Josephus to make somebody else say they spoke Phœnician. They were an aboriginal mountain-folk; according to legend the

Minor, is of Semitic origin or not. We find it on late Assyrian seals, but rarely in reliefs (*cf.* relief from Malthāi: PENNOC-CHIPIEZ, *Hist. de l'Art*, ii. fig. 313). An old-Babylonian cylinder with the same subject is also known (*ib.* fig. 314). The goddess Kedes, borrowed from the Semites by the Egyptians, is represented by the Egyptians as standing on a lion as early as the period of the XIXth Dynasty (B.C. 1300). Perhaps the Semites borrowed the idea from Asia Minor. (This possibility does not, however, show that the sculptures of Boghaz-Köi are earlier than those of Malthāi, as BOISSIER (in CHANTRE, *Mission en Cappadoce*, p. 41) considers.) Whether the Kybele-Atys cult as it existed in classical times was predominantly Semitic or not, the deities in question are obviously not Ishtar and Tammuz transplanted to Asia Minor. Their names are un-Semitic, and typically "kleinasiatisch." Radet exaggerates the Semitic influence: he speaks of the fact that the Maionian dynasty of Lydia was called Heraclid as connecting it "à l'Héraclès-Sandon que vénéraient Ninive et Babylone, Ascalon et Tyr." This is mere rhetoric, and is meaningless. Who is the Héraclès whom Nineveh and Babylon venerated? And when was Sandon venerated by Nineveh or Babylon, Ascalon or Tyre? (*Cf.* RADET, *loc. cit.* p. 55.)

¹ CHOIRILOS ap. JOSEPH, *c. Apion*, i. 22. DRIMLING (*Die Leleger*, p. 16) comments: ". . . bemerke ich noch, dass nach einem Zeugnisse der Alten die Solymier phönikisch redeten, was freilich auch auf die Juden, die Solymier in Palästina, bezogen wird."

Milyans, who were expelled from Lykia by the Termilai, were the same people.¹ Nothing Semitic can be discovered in them. The Lydians have more claim to be regarded as Semitic; the Hebrews regarded them as Semites,² and the Lydian kings were said to be descended from Ninos and Belos.³ The Lydians as such were unknown to the Homeric poets, who mention Maeonians in their stead. Again, when Luka, Shardina, Maunna (?), Dardenni Masa, and other tribes of Asia Minor and the Ægean are mentioned on Egyptian monuments of the fourteenth and thirteenth centuries B.C., no mention is made of any "Luda." This looks as if Lydia was originally inhabited by the Maeonians, who may have been of Aryan or non-Aryan blood,⁴ and that the Lydians proper were later conquerors who came from the East and mingled with the original inhabitants. And Strabo speaks of "the Lydian invasion" as occurring *μετὰ τὰ Τρωϊκά*, in the same breath with the foundation of the Greek colonies and the Kimmerian invasion.⁵ M. Radet seems to think that this invasion coincided with the fall of the old

¹ HDT. i. 173.

² *Genesis* x. 22.

³ HDT. i. 7.

⁴ If King Kandaülés was a Maeonian, they were perhaps Aryans, as his name is purely Aryan. The meaning of the name as given by the poet Hippónax (*Poet. Lyr. Gr.* i. 751; fr. 1), 'Ερμῆ κυνάγχα, Μγονισσι Κανδαίλα, is correct: it = "Dog-strangler," as KRETSCHMER has pointed out (*loc. cit.* p. 389). The meaning given by Tzetzes, σκυλοκλέπτης, translated by RADET *qui emporte les dépouilles* (*loc. cit.* p. 66), is obviously a mistake for σκυλακκλέπτης. On the racial connection of the Maeonians with the Aryan Phrygians, cf. DEIMLING, *loc. cit.* p. 82.

⁵ xii. 8, p. 573.

Heraclid (Maeonian) dynasty of Kandalês and the accession of the Mermnads with Gygês (B.C. 687).¹ Whether this be so or not, it may well be that the invasion of the Lydians and their mixing with the Maeonians took place at a comparatively late date, *μετὰ τὰ Τρωϊκὰ*. But we have nothing to show that this invasion was a Semitic invasion; all the Lydian place-names, proper names, and words which have come down to us are either Indo-European or belong to the indigenous population of Asia Minor, which was neither Aryan nor Semitic.² It seems probable that the idea of the Semitic origin of the Lydians was due to the fact of their close political and other connection with the Assyrian power. While, therefore, we can admit that Semitic influence is strongly marked, at any rate at a comparatively late period, in the native civilization of Asia Minor, we cannot admit that any of the peoples of Asia Minor west of the Taurus were Semites. So that none of the "Pelagic" tribes of Asia Minor and Crete can have been Semites.

Nor can they have been Aryans. The inflood of Indo-European invaders, closely akin to the Thracians and the Hellenes, which streamed over the Hellespont into Asia Minor, founding the nations of Phrygia and

¹ *Loc. cit.* pp. 59, 60. The argument that, because Ashurbanipal speaks of Luddi as "a far land, whose name the kings my fathers had not heard," therefore it was not until the time of Assurbanipal's dealings with Gyges that the name of Λυδοί first came into use (RADET, *loc. cit.* p. 59) seems far-fetched. Probably neither Ashurbanipal nor the kings his fathers had ever heard of the Maeonians either.

² KRETSCHMER, *loc. cit.* p. 384 ff.

Mysia, giving certainly rulers and perhaps a population also to Maionia (Lydia), and spreading an Aryan language and the Aryan cults of Papas or Bagaïos the thunderer, of Osogô,¹ and of Mân, the moon-god, through northern Asia Minor as far as Paphlagonia and Armenia,² can hardly have taken place till a comparatively late period, perhaps far on in the Mycenaean age. No monuments which may with probability be assigned to the Phrygians can safely be dated before the ninth century B.C. Setting aside the half-mythical events of the Trojan war, the Phrygians first appear as a power in the eighth century, when the wealthy Midas ruled.³ The Mysians were still in Thrace at the end of

¹ Cf. GARDNER, *New Chapters*, p. 31 ff. Βαγαῖος = Slav bogŭ, бога, "god."

² That the originally non-Aryan population of Armenia was given Aryan rulers and an Aryan language by a conquering tribe of the Phrygian invaders seems extremely probable: 'Αρμένιοι, says Stephen of Byzantium, τὸ μὲν γένος ἐκ Φρυγίας καὶ τῆ φωνῇ πολλὰ φρυγίζουσιν, and Herodotos (vii. 73) calls them Φρυγῶν ἄποικοι. The language is Aryan. It seems that the attempt of JENSEN (*Hittiter und Armenier*: Strassburg, 1898) to read the writing of the "Hittites" (who are regarded, possibly with justice, as the ancestors of the modern Armenians) by the help of the assumption that the "Hittite" hieroglyphs express an older form of the modern Aryan Armenian, rests on very doubtful premisses, for it is quite possible that the early Armenians still spoke a non-Aryan dialect at the time that these hieroglyphed monuments were sculptured. The proper names of the Kbeta, if the Kbeta were the "Hittites," which are known to us, are not Aryan; and we have seen reason to think that this people belonged to the præ-Aryan population of Asia Minor. Dr. JENSEN might with advantage attempt to illuminate "Hittite" by means of Lycian.

³ On Midas, cf. *post*, p. 274, n. 1.

the Mycenæan period.¹ Masa, Dardenui, and Shardina, perhaps also Maunna, are mentioned among the tribes who came into contact with the Egyptians about 1200 B.C. There were quite possibly Mysians, Dardanians, Sardians, and Maeonians, but although the Mysians, who at a later date than this were still astride the Hellespont, were no doubt Aryans, there is nothing to show that the other tribes mentioned were. If, therefore, the Mycenæan Trojans of the Sixth City were true Phrygians, which is possible, it is highly improbable that the præ-Mycenæans of the Second City were Phrygians. Dr. Kretschmer thinks otherwise: he considers the earliest Trojans to have been Aryan Phrygians.² His reasons for this belief are weak, and conflict with probability and with the other available evidence. Why should the præ-Mycenæan culture of the Troad be cut off from that of the rest of the Mediterranean world and be assigned to Aryans? Dr. Kretschmer himself considers the aboriginal population of Cyprus to have belonged to the non-Aryan race of Asia Minor,³ and the connection of the præ-Mycenæan culture of Cyprus with that of the Troad is so clear as to make a racial connection between the primitive Cyprians and the primitive Trojans more than probable. If there was a præ-Aryan population in Mysia, there probably was a similar population in Phrygia. We have no reason to suppose that the præ-Mycenæan settlements of the Troad did not belong to such a præ-

¹ *Il.* xiii. 3.

² *Ib.* p. 398, n. 2.

³ *Loc. cit.* p. 181.

Aryan population, a branch of the original race of Asia Minor.¹

The evidence of language is thus confirmed. Crete and Asia Minor were inhabited before the invasions of the Aryans, whether Phrygians or Hellenes, by a more or less homogeneous race which was neither Aryan nor Semitic, and which is connected in legend with the præ-Hellenic "Pelasgic" races of the Ægean basin. To these races we have seen reason to assign the præ-Mycenæan culture of the Ægean lands; it is to the connected races of Asia Minor, therefore, that we naturally assign the remains of the same civilization which are found extending throughout Asia Minor from the Hellespont to the neighbourhood of Cyprus.

The præ-Mycenæan Cyprians must have been closely allied to these "Pelasgic" tribes. The Arcadian colonists can hardly have arrived before Mycenæan times, so that we cannot regard the præ-Mycenæan Cyprians as Arcadian Pelasgians. It is curious that the præ-Mycenæan deposits of Cyprus are found radiating in the shape of a fan from Larnaka on the south coast to various widely sepa-

¹ On an important præ-Mycenæan deposit in Phrygia—at Bos-Eyük—*cf.* KÖRTE, *Ath. Mitt.* xxiv. 1899, p. 1 ff. Prof. VIBCHOW has pronounced the skulls from this deposit to belong to a people closely related to the modern Armenians (*ib.* p. 42), who are, no doubt, descended from the old non-Aryan inhabitants of Asia Minor, although they now speak the Aryan dialect which was given them by their Phrygian conquerors. KÖRTE'S conclusions as to the Aryan origin of the præ-Mycenæan Phrygians are open to the objections which are advanced above; in fact, Kretschmer derives his ideas on the archæological side of the subject chiefly from Körte (KRETSCHMER, *loc. cit.* p. 180).

rated places in the Mesaorea or central plain: this looks as if the first colonists had landed on the south coast and gradually made their way inland.

Pottery of præ-Mycenæan type was used by the early inhabitants of the Palestinian coast.¹ If we can regard these people as præ-Semitic, it may be permissible to refer them to the same "Pelagic" stock. They have been identified with the Biblical Amorites. We do not know that the Amorites were non-Semitic.² Egyptian evidence shows that Semites were already settled in the Sinaitic peninsula as early as 4000 B.C. The præ-Mycenæan pottery from Lachish cannot be dated much before 2000 B.C. It is possible that remnants of a præ-Semitic population,³ akin to that of Asia Minor, may have lingered on among the Semites at various places, at Lachish for instance, and that the præ-Mycenæan pottery from these places may have belonged to them. They were apparently made on the spot, not imported. Such simple pottery would hardly be exported anywhere.

Returning to the neighbourhood of the Ægean, we find settled according to tradition in Greece proper,⁴ in the Islands, and in Asia, before the coming of the Hellenes, the mysterious race of the "far-wandering" X Leleges. This people is closely connected in legend

¹ *E.g.*, at Lachish (BLISS, *Mound of Many Cities*, pl. 3).

² They have been supposed to be of Libyan origin, for no cogent reasons.

³ Cf. TIELE, *Godedienst in de Oudheid*, ii. 211: "Misschien waren de oudste bewoners dezer landen geen Semieten."

⁴ Especially in Southern Peloponnese. DEIMLING (*loc. cit.* p. 129 ff) shows that the Kaukonæ, Epelans, and Lokrians are often regarded in legend as Lelegic peoples. The first named were certainly præ-Achaian, and so præ-Hellenic.

both with the Pelasgi proper and with the præ-Aryan peoples of Crete and Asia. We shall see later that their supposed racial identity or connection with the Karians may be simply a mistake due to the fact that in later times the remnant of the Leleges in the Asiatic coast-lands was subdued by and became subject to the Karians; it is a possible theory that the Karians, although kin to the coast-tribes, did not reach the Ægean until after the Mycenaean age. We need not, therefore, regard the tradition that at one time Karians and Leleges together occupied the Cyclades as necessarily referring to the præ-Mycenaean time. That the Leleges were the primitive inhabitants of the Southern Ægean islands and of the coasts adjoining, that in fact the cistgraves of the islands are those of Leleges, seems, however, extremely probable. As far as their racial affinities are concerned, it seems certain that they were neither Greeks nor related to the Aryans of Asia Minor. It may be noted that a place-name which they particularly affected is that of PDS, which often occurs in connection with them. In the *Iliad* the "war-loving Leleges" inhabit "steep Pedasos on the Satnioeis" in Asia;¹ in later times the town of Pedasa in Karia was their chief stronghold; in the old Lelegia in the Peloponnese Pedasa was an

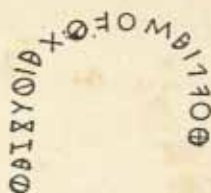


FIG. 36.—A Karian Inscription of the sixth century B. C.; from Egypt.

(Non-Aryan language of Asia Minor written with modified Greek characters. The Lykian alphabet is still further modified.)

¹ *Il.* xxi. 86.

important place. This name may be compared with that of the *Pidasa*, a tribe of the northern shores of the Mediterranean which is mentioned in Egyptian records as early as 1300 B.C. This tribe has with much plausibility been identified with the Pisidians: it is at least equally possible to regard them, on account of their name, as *Leleges*, and if this identification be accepted, we have a reference to the *Lelegic* race in the Mycenæan period. There may, too, be a real connection between the Pisidians and the *Leleges*, since their name may be merely a form of the *Lelegian* PDS. We have seen that the Pisidians were not Semites, as some have supposed, but belonged to the old præ-Aryan race of Asia Minor. It is therefore highly probable that the *Leleges* belonged to the same race. And this conclusion is a natural one; for, since neither Hellenes nor Phrygians had yet come upon the scene, it is natural to suppose that the præ-Mycenæans of the *Ægean* islands and coasts belonged to the same race as the præ-Mycenæans of Crete and Asia.

With the assigning of the *Leleges* to the un-Aryan population of Asia Minor the foreigner has set foot upon the soil of Hellas itself. And since the *Leleges* were contemporaries of the true *Pelasgi* in Greece, were connected with them in legend, and ranked with them in the same general list of præ-Hellenic tribes, it is not impossible that the *Pelasgi* proper also belonged to the same un-Aryan group of peoples. That there were "true" *Pelasgi* in Asia points to this conclusion: and *Antandros*, an Asiatic *Pelasgic* seat, was also regarded as *Lelegic*.¹ Also the evi-

¹ *B. C. H.* vii. 276.

dence of religion connects the un-Aryan Eteokretans directly with the true Pelasgi of Dodona. There also the unwashed priests, the Selloi, seem un-Aryan, and remind us of the disreputable Galli of Asia Minor; an inscription at Tralles even mentions a kind of semi-religious caste of ἀνιπτοπόδες in the same breath with παλλακίδες and other adjuncts of un-Aryan religion.¹ Finally, Kretschmer has shown that the "kleinasiatische" place-names in -νδα (Gk. -νθ-), -σσα, -σσοϛ (-ττα, -ττοϛ), extend all over Greece proper,² while such names as Arnê or Tiryns are absolutely un-Aryan, and are of the Asia Minor type;³ he concludes that the whole præ-Hellenic population of Greece proper belonged to the same un-Aryan race as the præ-Aryan population of Asia Minor. We see then that the mooted possibility of the true Pelasgians being Aryans and kin to the Hellenes fades away when the question is even cursorily examined; the Pelasgi were as un-Aryan as their compeers the Leleges or the Eteokretans. Herodotos is therefore justified when he speaks of the Krêstonians and the people of Plakia and Skylakê as speaking a barbarian tongue.

X All the præ-Hellenic tribes of Asia Minor, the Ægean, and Greece proper seem, therefore, to have belonged to this single un-Aryan race; and it is

¹ *Loc. cit.* p. 401 ff.

² The specifically Pelasgian *Larissa* is of typical "kleinasiatisch" form; there were three in Asia Minor.

³ Arnê is perhaps the Lykian *arêna*, "city." Mr. MARSHAM ADAMS (*Bab. and Or. Record*, vi. p. 192) provides us with the novel information that "Tiryns (*sic*) signifies Enemy" in *Egyptian* (!); a curious flight of imagination.

therefore to this race that the præ-Mycenæan remains of these countries must be assigned. We have seen reason to associate this peculiar form of primitive culture with this race. Now the same primitive culture certainly extended westward into Italy. And so, according to the tradition, did the Pelasgi.¹ Whether we are to reckon the Tyrrhœnians or Etruscans as a Pelasgian race, as Thucydides apparently did,² remains doubtful. The name-forms in Etruscan are certainly of the same type as those of præ-Hellenic Greece and of Asia Minor: the peculiar termination *-uns* (*-yns*) and the commencement *Tarhu-*, *Tarko-*, *Troko-* (as in *Tarkovēnimos*, *Tarhundarauš*, *Trokoμβεγγρεμς*,³ &c.), Etr. *Tarχun-*, *Tarqu-*, being especially noticeable. Also the curious parallel use of trumpets, the lituus, turned-up shoes, and other objects of semi-religious significance in both Asia Minor and Etruria might seem to point to some connection. A legend brings the Etruscans from Lydia: this will be discussed in a later chapter in connection with the Mediterranean tribe of the Thuirsha, which is commonly identified with them. It seems of doubtful value. Of no value whatever as evidence of an ethnic connection between Etruscans and Pelasgians is the supposed Etruscan inscription discovered in Lemnos by Pauli, as will also be seen in connection with the legend of the Eastern Tyrrhœnians and the question of the Thuirsha. All that can be said is that a few analogies (those, it must be confessed, striking analogies) might induce

¹ Cf. the evidence collected by Prof. RIDGEWAY, *loc. cit.* p. 109.

² *iv.* 109 (*cf. post*, p. 174).

³ *v. post*, p. 139, n. 2.

us to tentatively regard the Etruscans as belonging to the great "kleinasiatisch" family of nations, and so akin to the Pelasgians and Lykians, whose language might profitably be compared with Etruscan. But if the Pelasgi of Italy were at one time representatives of the primitive culture in the West, which corresponded to the præ-Mycenæan culture of Greece, the Etruscans ought, on this theory, also to have been at some time "præ-Mycenæans." But the objects from Italy, which are of much the same type as those from præ-Mycenæan sites in Greece, appear to be præ-Etruscan: and, according to some archæologists, we seem to be able to trace with some degree of accuracy the various stages of a conquering advance of the Etruscans into Etruria *from the North*.¹ Evidently, therefore, we cannot without much more convincing proof definitely annex the Etruscans to the Pelasgian-Asiatic group of nations.² Still less can we as yet credit any "proof" of a connection of this group with the Sikels, the Ligurians, or the "Iberians" of Spain or Africa. Such proof when advanced is usually found to depend almost entirely on craniological evidence, which is often of doubtful value.³

¹ HELBIG, *Die Italiker in der Poebene*, p. 99 ff.

² The remarks of Dr. Kretschmer on this subject are worth notice. He says: "Wir sind demnach noch immer auf dem Punkte, dass wir eine Verwandtschaft der Etrusker mit den Völkern Kleinasiens weder behaupten noch bestreiten können, und werden daher gut thun, bei dem stehen zu bleiben, was wir mit ziemlicher Sicherheit nachweisen können, der Verbreitung der kleinasiatischen Völkerfamilie über das Aegæische Meer und das hellenische Festland" (*loc. cit.* p. 409).

³ For a perhaps rather too trenchant criticism of craniological evidence, see KRETSCHMER, *loc. cit.* p. 39.

We find, then, that since the Mycenaean culture belonged primarily (not entirely or necessarily originally) to Hellenes, the more primitive stage of civilization which preceded it must be assigned to those tribes who, according to a consensus of tradition, preceded the Hellenes in the occupation of the land. These tribes belonged to a group of peoples of a stock neither Aryan nor Semitic, which extended along the northern shores of the Mediterranean from Palestine and Cyprus to Italy. And these are exactly the geographical limits of the primitive præ-Mycenaean culture.

Physically, these tribes seem to have been dolichocephalous; most of the skulls from the early strata of Troy are of this type, which was the type universal in the Eastern Mediterranean basin in the Neolithic and Early Bronze Ages. This type has been called *Iberian*; Sergi, who considers the Berbers and Egyptians to have belonged to the same race, calls it *Mediterranean* (*La Stirpe Mediterranea*). The race was probably dark-haired; the *Keftiu* were dark and so apparently were the Mycenaean Cretans of Knossos. We may, perhaps, be allowed to call this group of peoples by the rather vague term "Pelagic," in default of a more convenient phrase.¹

These Pelagic tribes were at periods, the dates of which cannot be absolutely fixed, overrun by alien

¹ Kretschmer's "kleinasiatisch," though so convenient, is untranslatable. This, as well as "Asian" or "Asiatic," would lay too much stress on the Asiatic members of the group. Mr. Crowfoot's "Armenoid" is even more open to this objection; and he presumably means "Proto-Armenoid." "Mediterranean" is too vague. Perhaps "Pelagic" is, on the whole, the best.

nations; in Asia Minor by Aryans coming across the Hellespont, in Greece by the Aryan Achaians and other tribes, and in Italy by the Italic peoples, both coming by land from the north.¹ In Greece the old and the new populations appear to have blended to a considerable extent: the Hellenes of history were very possibly a race mainly non-Aryan, speaking the tongue of their Aryan conquerors. No doubt a further impulse to the development of the Mycenaean culture was given by the arrival of the new energizing Hellenic element. That this development

𐎧𐎺𐎠𐎵𐎲𐎠𐎿𐎶𐎠𐎴𐎡𐎴

FIG. 37.—A Phrygian Inscription: "Mother Kybile . . ."
(Aryan language of Asia Minor, using Greek script.)

had, however, well begun before the arrival of the Aryan Hellenes seems extremely probable; the earlier period of the Mycenaean Age, when Crete and the islands were the centre of Mycenaean culture, is probably prae-Aryan. In the later period, when Argolis had become the central point, the Aryans had probably arrived, and the kings of the Achaians (who we may regard as the most prominent and powerful of the Aryan invaders), the rulers of "golden" and "wide-wayed" Mycenae, had extended from Argolis their power over the greater part of Greece, including Crete. It was during this period

How then is the Mycenaean civilization chiefly Achaean

¹ SERGI (*Origine e Diffusione della Stirpe Mediterranea*, Rome, 1895) makes no distinction between the Aryan Italians and the Celts. They were, of course, very closely connected with the Celtic tribes.

What are the component parts of Mycenaean civilization? Aegean + Asiatic + Egyptian. The only elements which seem to be added to it in the course of the development are of the East & South; did the Achaeans bring nothing?

of Achaian predominance that the Mycenæan culture attained its highest pitch of development.

In Inner Asia Minor the præ-Mycenæan race, lying in the debatable ground between Hellenedom and the Orient, was absorbed by neither, but preserved its tribal divisions with their several dialects more or less unimpaired until Roman times.

In Palestine the primitive tribes were overrun at a comparatively much earlier period by the Semites.

Such are the conclusions to which we are led by the consideration of the Question of Race. Hazy as is its subject, and hypothetical as our conclusions must be, the question yet repays study, and is full of interest.

MYCENÆ AND THE EAST

HELLAS turns her back upon the west and faces the rising sun. The Greek mainland swings round towards the east; the strike of its mountain-ranges is from north-west to south-east, therefore the promontories and islands which spring from them follow the same line, and so, with the single exception of the Gulf of Corinth, the gulfs and havens of Greece open also towards the east. The long lines of islands streaming away from the mainland across the *Ægean* eastwards to Asia made communication between European Greece and Asia most easy. So easy, indeed, was communication between the inhabitants of Greece and Asia across the *Ægean* that it can hardly be doubted that they became closely connected with one another very soon after the period of the earliest migrations into Greece. So bound together in fact are Greece and the *Ægean* coast of Asia that they can hardly be considered as separate countries. Geologically speaking, the floor of the *Ægean* is merely a part of Greece which is covered by a sea, out of which appear the peaks of sunken mountain-chains which continue the mountain-system of Europe on into Asia; these peaks are the islands of the *Ægean*. In some parts of the *Ægean* these

islands are more sparsely scattered than in others, but generally speaking the spaces of sea which intervene between them are narrow ; from scarcely any *Ægean* island is no other visible. Geographically, therefore, they connect in every direction with Greece proper, with Asia Minor, and with each other, thus contrasting with the islands off the western coast of Greece, which are not connected with the Italian peninsula and its appendages, and do not link them closely with Greece. The *Ægean* lands, therefore, form a single whole ; the Asiatic coast of the *Ægean* is as much a part of Greece as the islands or the Greek peninsula itself. Greece is not merely continental Greece and the Islands ; it is the whole *Ægean* basin. The *Ægean* lands as a whole face the East. This peculiar geographical position made it so happen that the Greeks were connected, especially in the early days of their history, with the East, rather than with the West.

Even in its earliest beginnings Greek civilization is already connected with the East. An axehead of white Chinese jade which was found in the ruins of the Second City of Troy (dating to before 2000 B.C.) testifies to some kind of commerce, primitive though it may have been, with the Far East. But it is not only in a præ-Mycenæan settlement on the Asiatic continent that we already find traces of connection with the East, a connection which in the case of Troy may have been maintained overland in the islands of the *Ægean*: evidence of seaborne commerce

between Greece and the East in præ-Mycenæan times is discernible. Ivory objects and fragments of glass vases have been found in the Island-graves, the materials of which can only have come from Egypt, and in Egypt itself specimens of "Island" pottery have been found. Other scattered evidences of this Egyptian connection will be adduced in the next chapter; our purpose at present is to discuss more especially the relations between prehistoric Greece and the Asiatic peoples. We may note, however, that the route which this primitive commerce between the Ægean and Egypt must have followed can only have been the natural coasting-route from Rhodes to Cyprus, and thence to the Palestinian coast, where, as we have already seen, primitive settlements, resembling those of the "Præ-Mycenæans" of Greece, existed. Directly south all guiding islands failed; south-east, Kythera led to Crete, but Crete took the seafarer no further south, it only led north-east to Rhodes and Karamania, eventually to Cyprus. As Greece proper turned its back upon the west, so Crete turned its back upon the south; the greater number of its havens looked north, back upon the Hellenic world, which it fenced in with its mighty barrier of Ida. Directly south of Crete the sea was a blank, and, although it is true that a small sailing vessel can with a favouring wind very swiftly traverse this piece of sea and reach the African coast, yet it seems hardly possible that Greek mariners can have essayed the crossing and have reached Africa, except perhaps occasionally by accident, until the Theræans sailed

why not?

in obedience to the Pythia to found a city in Libya.

Much of any commerce which may have existed between the Ægean tribes and the Palestinian tribes must therefore also have passed *vid* Cyprus. So that Cyprus has naturally been considered to have connected the primitive præ-Mycenæan civilization of Greece with the culture of the Semites as well as with that of Egypt. Men-



FIG. 38.—Primitive Marble Female Idol from Amor-gos. (Præ - Mycenæan period.)

tion has already been made of the rude idols of Parian marble, apparently representing a nude female figure, which have been found in so many of the Ægean graves of the præ-Mycenæan period. (Fig. 38.) Similar idols of smaller size have also been found in Cyprus. In Cyprus also appears a series of earthenware representations of a nude female figure; these are closely paralleled in Canaan, in Syria generally, and in Mesopotamia.

Here, and no doubt in Cyprus also, these are images of the Semitic female goddess, who passed, through the medium of Cyprus, into the

Greek pantheon as Aphrodite. Are we to regard the marble images of the Ægean as proving that the worship of this nature-goddess had reached the Greek islanders from the Semitic countries by way of Cyprus as early as the third millennium B.C.? The question of the date of the Syrian and Cypriote pottery images is important. The date of the Ægean marble figures cannot be later than 2000 B.C. But the Cypriote figures of clay are apparently coeval with the late-Mycenæan and Græco-Phœnician cultures which were dominant in that island from the eighth to the fifth century B.C., and figures of this kind from Asia appear to be often of even later date. If clay images of the nude Cypriote type were found in the præ-Mycenæan graves from which the nude marble figures come, a connection might be proved, but such clay figures are not found in the island graves. They are in fact merely rude and cheap dolls, made in rough imitation of larger images which properly represented the human form; the Ægean marble figures, on the other hand, are real primitive idols. An attempt has, however, been made to show that these clay figures were already in use among the Semitic nations at a period contemporary with or anterior to the date which has been assigned to the marble idols from the islands—*i.e.*, about 2000 B.C. In the *Jahrbuch des Deutschen Archæologischen Instituts* for 1897 Herr von Fritze gives photographs of clay figures of this kind which were found by Mr. Haynes at Niffer in Babylonia, which Professor Hilprecht dates between the reigns of Sargon of Agade (3800 B.C.) and Ur-Gur (2800 B.C.); these

Herr von Fritze considers to have been the prototypes of the marble images from the Greek islands. But it is quite impossible to accept the early date which Professor Hilprecht assigns to these Babylonian idols. No similar objects are known from the other explorations of early Babylonian sites, and all of the same kind found in Mesopotamia are of very late date. So Herr von Fritze's argument, and with it the desired connection between the præ-Mycenæan marble images and the clay figures of the Semitic goddess, falls to the ground. The marble images are no doubt representations of a deity more or less identical with the non-Semitic female goddess of Asia Minor, the chief deity of the "Pelagic" populations, and are simply the predecessors of the Mycenæan representations of Artemis and Rhea (*v. p.* 296). It is natural enough that the primitive representation should have been nude. Various archæological comparisons would seem to show a European rather than a Semitic connection for the "Ægean" marble figures.¹ Also the much-quoted leaden nude female figure with the svastika emblem which was found at Troy² possesses no Babylonian characteristics whatever.³

¹ EVANS, *loc. cit.*, p. 127 ff; REINACH, *La Sculpture Ancienne*, &c., in *L'Anthropologie*, 1894. In his article "Les déesses nues dans l'art oriental et dans l'art grec" (*Chr. Or.* ii. p. 566), however, M. REINACH goes too far in arguing that the Semitic nude goddess was of western origin: there was a nude goddess of the Semites and a (not always) nude goddess of the Ægean and Asia Minor peoples, and there is no need to identify the one with the other.

² SCHUCHHARDT, fig. 60, p. 67.

³ *Cf. post*, p. 300. Such figures are in fact a common product

Can any other connection between the præ-Mycenæan culture of Cyprus and Semitic civilization be shown to have existed?

An actual connection between Cyprus and Babylonia has been postulated at a period even earlier than that of which we are speaking. It has been stated that cylinder-seals of the early Babylonian kings Sargon I. and Narâm-Sin, his son (*circa* 3800 B.C.), have been found in Cyprus.¹ This has been taken to prove an early Babylonian conquest of the island which would have greatly influenced the præ-Mycenæan civilization of Cyprus and the other Greek lands generally. But this statement, which is constantly repeated, is inaccurate. A single cylinder of archaistic type, and with an equally archaistic inscription referring to the deified king Narâm-Sin, was found by General di Cesnola at Curium.² This cylinder cannot be older than the seventh century B.C. Thus the whole fabric of connection between Cyprus and Mesopotamia in the fourth millennium B.C. which has been built upon the supposed testimony of this cylinder falls to the ground. It may, however, be urged that we know that Sargon and Narâm-Sin conquered Syria and reached the shores

of undeveloped art, whether in pre-historic or in historical times, and so it is impossible to found any reliable arguments upon them. Specimens of the hideous Cypriote earthenware type, with huge earrings, may be seen in most museums; the Mesopotamian type is well represented in the newly arranged Babylonian and Assyrian Room of the British Museum (room-numbers, 969-980, 1018-1027.)

¹ BUSOLT, *Gr. Gesch.*, i. p. 45; MALLET, *Premières Établissements des Grecs en Egypte*, p. 28, n. 1.

² SAYCE, *T. S. B. A.*, v. (1877) p. 441 ff.

of the Great Sea; why, then, should they not have penetrated to Cyprus? If they did there is no record of the fact. (See further, Addenda, p. 314, *post.*)

It is curious that, while the evidence of connection between the præ-Mycenæan peoples and Egypt, though very small, is, comparatively speaking, good as far as it goes, there should be practically no evidence of connection between these people and Babylonia. There is even less evidence for a connection through Asia Minor than through Cyprus. Yet if jade could be brought from China to Troy in præ-Mycenæan times, some kind of commerce, even though merely a passing from hand to hand and from tribe to tribe, overland between the cultured cities of Babylonia and the settlements of the primitive barbarians of the Ægean, seems both possible and probable. Traces of it may yet be found.

Recent discoveries have been considered to show that the peoples of Inner Asia Minor were not entirely unaffected by Babylonian influence in præ-Mycenæan times. This influence had probably penetrated beyond the Taurus as early as 2500 B.C.; but that there was a Babylonian colony settled in the Halys-land at that time, as M. Boissier asserts,¹ is in the highest degree questionable.² Professor Ramsay has shown that Boghaz Köi (Pterion) was the most important post on the "Royal Road," the most ancient trade route through Asia Minor from the Ægean to the Euphrates Valley. Could it be proved that Pterion was a focus of Babylonian

¹ In CHANTRE, *Mission en Cappadoce*, 1898, p. 44.

² *V. Addenda*, p. 315, *post.*

influence as early as 2000 B.C., the surmise could naturally be put forward that the trade-route from Babylonia through Pterion already existed at that time, so that Babylonian influence might well have reached the *Ægean* lands over the "Royal Road" in præ-Mycenæan times. But we have nothing to show that it did, or that Babylonian influence had yet entered Asia Minor, beyond the mere probability that it had. A few centuries later, however, when the Hellenes had invaded the *Ægean* basin, and the development of the Mycenæan culture had begun, we have some evidence of direct Babylonian influence passing overland through Asia Minor.

Nor can we speak of any "Hittite" or "Canaanitish" influence as passing through Asia Minor or Cyprus to Greece in præ-Mycenæan days. Of the Kheta we hear nothing till well on the Mycenæan period; and the sculptors of Boghaz Kõi and Jerâbis may not date back much beyond the eighth century. We have seen that traces of a primitive culture resembling that of the præ-Mycenæans of Greece are to be found in Palestine, but that it is doubtful whether these are to be ascribed to "Pelasgic" inhabitants or not. Of the Amorites, to whom they are often ascribed, we know nothing. The Philistines do not appear in Palestine till Mycenæan days. The gradual infiltration of the Semitic Canaanites had, however, been long in progress, but the culture of these tribes had at this time in all probability by no means reached the high stage of development which we meet with in the period of the Tel el-Amarna letters, a thousand years later; occasional

subjection to and intermittent communication with Babylonia do not seem to have as yet modified it to any great extent, and no influence upon the præ-Mycenæan culture can be assigned to it; the case of the nude female figures has already been dealt with. The Phœnician cities do not seem to have yet emerged into prominence as civilizing media: if legend is to be trusted, indeed, the Phœnicians had as yet hardly reached the Mediterranean.¹

In the Mycenæan period, however, communication had undoubtedly been established between Greece and Babylonia as well as Egypt. This was due to the great westward advance of Babylonian culture.

Although so constantly associated in our minds with the Semites, the civilization of Babylonia was not of Semitic origin. To what race the earliest Babylonians, the men of Sumer and Akkad, belonged, is not apparent. We know that their language was of an agglutinative type, but to dub them Mongols is premature.

Before the end of the fifth millennium B.C. the presence of the Semitic race in the neighbouring lands made itself felt in Mesopotamia, and it was not long before Semitic rulers established themselves in several of the cities of Northern Babylonia. The arrival of the Semitic newcomers seems to have made but little alteration in Babylonian civilization: per-

¹ Legend brings the Phœnicians from the Persian Gulf to the Mediterranean about 2000 B.C. (cf. LENORMANT, *Manuel d'Histoire Ancienne de l'Orient*, iii. 3 ff.).

haps a few new deities were added to the pantheon, little more. In fact the whole culture of the original inhabitants seems to have been taken over by the invaders, so that it is now very difficult to distinguish between what is Semitic and what is non-Semitic in it. Since all Semitic culture was primarily of Babylonian origin, Semitic civilization is fundamentally un-Semitic.

The accession of the Semitic chiefs to power was followed by an immediate extension of Babylonian influence beyond the bounds of Sumer and Akkad. Sargon (Shargâni-shar-âli), king of Agadé in Akkad, and Narâm-Sin, his son, appear to have extended their sway over all Mesopotamia as far as the mountains of the Gutium or Armenians, and thence onwards to Palestine even as far as the "Sunset-sea," on the shores of which Sargon "set up his image." It seems probable that these monarchs penetrated as far as Sinai and Egypt, the lands of Mâgan and Meluhha. These events seem to have taken place about 3800 B.C.¹

From this time forth the whole of Mesopotamia, from the Persian Gulf to Harran in the north, remained always under Babylonian influence, now becoming gradually semitized. From time to time different warlike chiefs of various cities of Babylonia led armies across into Northern Syria, Martu, or Aharru,² "the Land of the West," but Babylonian

¹ Cf. TIELE, *Babylonisch-Assyrische Geschichte*, p. 100 ff.

² A possible reading of this word is *Amurru*; the Egyptians spoke of Syria often as *Amar*. *Martu* is the Sumerian name, *Aharru* (*Amurru*) the Semitic.

influence does not seem to have firmly established itself among the Syrian tribes until the period of the unification of Babylonia under Hammurabi (about 2200 B.C.). To this monarch Martu was probably absolutely subject; in a letter of his reign mention is made of a Babylonian official, Siniddinam, who is called *rab Aharru*, "Governor of the Western Land."¹ For some centuries after this Northern Syria remained under the political hegemony of the Babylonian kings, while Southern Palestine, if it did not owe any actual allegiance to Babylon, yet became fully subject to her civilizing influence. By the sixteenth century B.C. the civilization of Palestine had become entirely Babylonian. Nor did the Egyptian conquest, which took place in the seventeenth century, in any way modify this Babylonian culture, although the whole land as far as the Taurus and the Upper Euphrates remained for three hundred years not merely tributary to Egypt, but to a great extent administered either by Egyptian residents at the courts of the native chiefs or by commissioners despatched from Egypt at various times. Southern Palestine remained more or less Egyptian territory throughout the period of the "Judges," and until the rise of the Hebrew kingdom in the eleventh century. Nevertheless, Semitic civilization influenced Egypt far more than Egyptian culture influenced the Semites. Few traces of Egyptian influence are to be found among the Semites, while in Egypt it became for a time quite

¹ KING, *Letters and Inscriptions of Hammurabi*, i. p. xxiv.; iii. p. 169 ff. The same signs may be read in Sumerian *gal Martu*, with the same meaning.

fashionable to semitize as much as possible. So universally had the culture of Babylonia been adopted by the Semitic nations, and so deep-seated had its influence become in Western Asia, that by the fifteenth century the Semitic dialect of Babylonia (the later "Assyrian") had become the "polite tongue" of the Nearer East, used as the language of diplomacy by the court-scribes of Egypt and Canaan as well as of Babylon, and as a *lingua franca* by the non-Semitic kings of Alashiya (Cyprus), Arsapi (in Cilicia), Mitanni (Matiêné : Southern Armenia), and Egypt when they wished to correspond with one another. The cities of Phœnicia, already powerful and of considerable importance in the world, used the cuneiform writing and Babylonian idiom. Nor did the substitution of the political domination of the "Armenoid" people of the Kheta or Hattite for that of Egypt in Syria in any way diminish Babylonian influence there. If the hieroglyphic writing of Eastern Asia Minor is correctly ascribed to this people, it shows at least that they possessed a peculiar culture of their own, but among them, or at any rate in Eastern Asia Minor, Babylonian influence was far more powerful than even in Egypt, as is shown by the character of the so-called "Hittite" art.¹

Babylonian influence in Western Asia reached its culminating-point in the fifteenth century B.C. At this time, we have seen reason to think, the Mycenaean culture of Greece had, perhaps, already reached a high pitch of development. It would have been very

¹ "Hittite" art was influenced by that of Assyria, which was a development of that of Babylonia.

surprising had no Babylonian influences been traceable in Mycenæan art and handicraft. They can be traced; but, as we shall see, are again not so noticeable as the influences of the rival culture of Egypt.

We have seen that Babylonian influence was probably already apparent in Inner Asia Minor at



FIG. 39.—Heraldic Lion-group from a Phrygian tomb.

this time. Legend certainly connects the Mycenæan rulers of the Pelopid house with Asia Minor, whence the reputed founder of Mycenæan greatness, Pelops, was said to have come. This tradition has been connected with conclusions which have been drawn from certain resemblances between Mycenæan architecture and that of early Asia Minor, especially from the resemblance of an heraldic group of two rampant lions

with a pillar between them, which occurs on the "Lion-Gate" of the akropolis of Mycenæ and is reproduced on many Mycenæan gems, and similar lion-groups which are sculptured above the doors of rock-cut tombs in Phrygia. The conclusion drawn from these resemblances, in connection with the Pelopid tradition, is that the Mycenæan civilization originally came from Inner Asia Minor. The conclusion might have gone further, for such heraldic groups find their closest analogy in the similar groups so common in the archaic Babylonian art of about 4500 B.C.¹ The Mycenæan idea was in all probability derived from Babylonia through the peoples of Asia Minor, among whom it occurs; but that the Phrygian designs mark a stage of the journey of this artistic idea from Babylonia to Mycenæ may well be doubted, on account of the apparently late date (about 800 B.C.) of the Phrygian reliefs. We do not know when the lions of Mycenæ were sculptured, but since they ornament the chief gate of the akropolis of the city, the probability is that they date to a much earlier period than 800 B.C., when Mycenæan art was disappearing from continental Greece. There is, therefore, good reason to suppose that the Phrygian reliefs were inspired by the Lion-Gate and other similar works of Mycenæan art which may have perished, rather than that the reverse was the case. Also, since the Phrygian

¹ The heraldic badge or "arms" of the city of Shirpuria (*Assyr. Lagash*; the modern Tell Loh), a lion-faced eagle holding two lions by their tails, may be instanced. This occurs in sculptures of the præ-Semitic kings Idingiranagin and Entenna, who lived about 4500 B.C.. On the connection between the lion-groups of Mycenæ and of Phrygia, cf. RAMSAY, *J. H. S.*, ix. p. 369.

reliefs date to so late a period, the connection between them and the coming of Pelops to Greece must fall to the ground. The supposition which has been occasionally mooted that the whole of Mycenaean civilization came to Greece from Asia, a supposition which, though its supporters seem hardly to realize the fact, can only mean that the whole of Mycenaean civilization was of Babylonian origin, is contradicted, not only by its essentially Hellenic and non-Babylonian aspect, but by the fact that its whole development in Greece from the primitive culture of Hissarlik and Athens can easily be traced, while its relation to the early Bronze Age culture of Central Europe seems to be clearly indicated. That certain Babylonian influences came from Asia to Greece by way of Asia Minor at this time is, however, probable enough: Babylonian influence is marked in the art of gem- and seal-engraving, in which the Mycenæans attained great proficiency; this probably reached Greece from Asia Minor, whither it seems to have passed from Babylonia at a very early period. Above all, the Mycenæans probably owed their knowledge of bronze ultimately to Babylonia, as will appear when we come to discuss the general position of Mycenaean civilization. And this knowledge no doubt came through Asia Minor.

The intermediaries between Mycenaean Greece and Babylon have sometimes been considered to have been the "Hittites," who are thought to have been a power in Asia from about 1500 B.C. onwards. It has also been considered that the Cretan pictographs may have been inspired by the "Hittite"

hieroglyphs. But the "Hittite Question" is still unsolved; we do not know with certainty that the builders of the great temple-fortresses of Boghaz Kõi and Eyuk in Cappadocia were identical with the "Kheta" who fought against Egypt as early as the time of the XVIIIth Dynasty, or that these were the same people as the Biblical Hittites; and a connection between the "Hittite" hieroglyphs and the Cretan pictographs cannot be proved, because we have no information which would lead us to suppose that these hieroglyphs, which have not yet been proved to have belonged to the Kheta, are so ancient as the Cretan characters. We cannot, therefore, assert even that the Hittites (? Kheta) contributed elements to Mycenaean culture, much less that they originated it, while to claim the Pelopids as "Hittites" is really to appeal too much to the imagination as an aid to the writing of history.¹

¹ DE CARA (*Gli Hetei e gli loro Migrazioni; Gli Hetei-Pelasgi; Civiltà Cattolica*, 1892, 1895, &c.) maintains the Hittite origin of Aegean civilization; for him the Pelasgi are "gli Hetei fuori delle loro sede originarie dell' Asia, Hetbei migratori, errantie pellegrini." It is a pity that Father De Cara, who rightly advocates the theory of the racial identity of these primitive Greeks with the non-Aryan peoples of Asia Minor, should have marred his work by the introduction of these problematical "Hittites" and by arguments resting on the most amazing and impossible linguistic identifications and derivations, a selection of which will be found in REINACH, *Chr. Or.* ii. p. 488 ff. (E.g., Italy is for DE CARA *Hat-al-ia*, "the land of the Hittites," who came there from Asia!) A bold attempt has been made to reconcile the Hellenic origin of Mycenaean civilization with the theory of a Hittite connection by supposing that the "Hittite" culture is a branch of Mycenaean civilization which had originally come from Italy to Greece and thence passed by way of the islands to

Certainly the culture of Boghaz Kōi and of Jerâbis, whether it was "Hittite" or not, cannot have influenced Mycenæan culture in any way. Its art owes its inspiration to Assyria, and we can hardly date it any earlier than the ninth and eighth centuries B.C. No Mycenæan influence can be detected in it. Yet it is evident that in Mycenæan times much of the Babylonian influence which is observable in the Mycenæan culture must have taken its way to Greece through the country which, in later times, this assyrianizing culture occupied, and probably through Pteria on the Royal Road, which afterwards became one of the chief seats of this culture.

The Mycenæans do not seem to have met this influence half-way. Hitherto few traces of the developed Mycenæan culture have been found in Inner Asia Minor; vase-fragments have been found at Bin Tepé, near Sardis, and also at Kara-Eyuk (Chantre, *Mission en Cappadoce*, p. 71 ff.), but apparently nowhere else up-country.

Asia, so that the Kheta were Mycenæans! (REINACH, *Mirage Orientale* [*Chr. Or.*, p. 555 ff.]) In connection with this theory the Asiatic Tyrsenoi mentioned by Herodotos (HDT. i. 94) are supposed to have come from Etruria to Asia, rather than, as Herodotos says, in the reverse direction; the "Thuirsha" who invaded Egypt in company with other sea-rovers in the time of Merenptah (about 1200 B.C.) have been regarded as having formed part of this eastward migration from Italy. With regard to the theory generally little can be said; its inceptor, M. Salomon Reinach, seems not to see that there is no connection visible between the Mycenæan and "Hittite" cultures, although the "Hittites" and the pre-Mycenæan Pelasgians may well have been members of the same race. Concerning the supposed activity of the Tyrrhenians in the Ægean in Mycenæan times more will be said later (p. 174).

At the same time the sea route *via* Cyprus probably brought a certain amount of Semitic influence to Greece. And now two of the chief seafaring peoples of the ancient world seem to first appear on the scene: the Ionians and the Phœnicians.

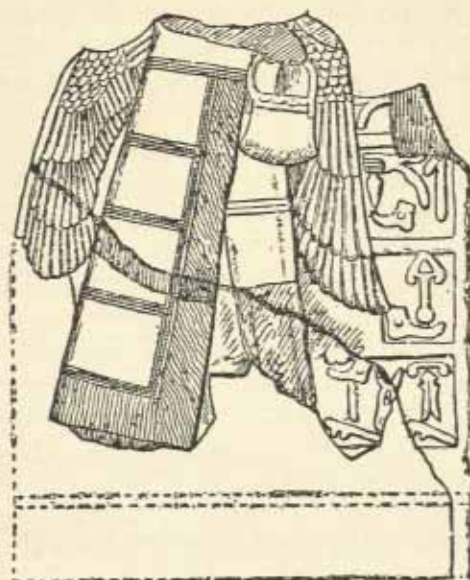


FIG. 40.—“Hittite” Relief in assyrianizing style; from Jerâbis. (Brit. Mus.)

In the maintenance of the connection between continental Greece and Asia Minor the Ionian tribes must have taken a great part. While it is improbable that they were settled in the Cyclades yet (*i.e.*, *circa* B.C. 1500-1100), there is no reason to suppose that they were not already in Eubœa, Attica, and Argolis. In all probability the Asiatic

coast was occupied by them from the first; for it may well be doubted if at any time after the migration of the Aryan Greeks into the Ægean basin the western coast of Asia Minor was without Hellenic inhabitants. The general fact that after the Dorian invasion of Greece proper a great system of emigration was directed from both Northern Greece and the Peloponnese towards the Asiatic coast is no doubt historical, but it is at least highly probable that Greek tribes had already settled along the Asiatic coast long before the time of the "great migrations." It, indeed, seems probable that the Aryan Greek race occupied both shores of the Ægean from the very first, as their Pelasgian predecessors had done, and so the theory, accepted by Curtius and Holm, according to which the Ionian branch of the Greek race passed originally from the Balkan peninsula across the Hellespont into Asia, and only reached Greece proper after a *détour* along the Asiatic coast and across the island bridge, afterwards throwing a returning stream of emigrants back to Asia after the Dorian invasion, is probably correct. The predominance of the Ionians on the Asiatic coast and their precarious foothold on the continent of Greece afford arguments strongly in favour of this theory. From the geographical point of view it would seem quite natural that the Hellenic branch of the Indo-European stock, coming, perhaps, from the flat steppes of Poland and Russia, perhaps from the fertile plains of the Hungarian Alföld, wherever the cradle or *Völkerkammer* of the Aryan race may be considered to have been, should, when it had passed the Balkans and had reached the shores

of the *Ægean*, have divided into two streams, of which one directed its course through the Kam-bounian passes to Thessaly, the other across the Hellespont to Asia. Most of the Asiatic islands, with the probable exception of Lesbos (see p. 238), but perhaps including Rhodes, were also no doubt at this period Ionian. It is improbable that the Mycenaean Ialysians were Achaians: Achaian hegemony in the *Ægean* need not have meant either Achaian conquest or Achaian colonization. That they were Hellenes, however, at any rate in the later Mycenaean time, and not mere Pelasgi, seems probable—*i.e.*, they were probably Ionians. Ionian tradition is absent, it is true, in Rhodes, yet it begins again in Lykia and is present in Cyprus; in their transit from the Central Asiatic shores of the *Ægean* to Lykia and Cyprus the Ionians would hardly fail to settle in Rhodes.

To the Ionians who were settled on the Asiatic coast of the *Ægean* an easy eastward way might seem to have been available; good routes into the interior of Asia Minor were offered to them by the valleys of the rivers which debouch into the *Ægean*. But, as a matter of fact, in the early ages of their history the Greeks never penetrated far into Asia Minor; their settlements were limited to the coast lands, in which the geographic and climatic conditions were the same as in continental Greece and the islands: the barren hills and salt plains of the interior were not only repellent to their fancy but formed insuperable obstacles to their further progress in this direction. Since then the way into

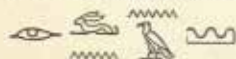
the interior of Asia Minor was barred, the only possible route eastward was the sea-route from Rhodes, along the coasts of Lykia and Pamphylia to Cyprus. This route, the only one of which the geographical conditions were at all favourable, is shown by the evidence of tradition and archaeological discovery to have been, in fact, that by which the Greeks first reached the East and by which the Phœnicians first reached Greece. The lines of communication between the various Ægean lands and the East all met at Rhodes, whence they followed an identical course to Cyprus and Palestine, and thence to Egypt and Libya.

When we consider the Mycenæan culture of the Eastern lands outside the Ægean, the probability that it is to Ionians that the earliest Hellenic civilization of the southern coast of Asia Minor and Cyprus must be assigned becomes evident. The first Hellenes to take the road from Rhodes to Cyprus would naturally be those who had first occupied the Asiatic coasts and islands. When the Greeks first came into contact with the Oriental nations, they became known to them as "Yawan." This form of the name *Ἰάωv* became the universal designation in the East for Greeks in general, *Yawan* among the Hebrews, *Yavnâ* among the Assyrians,¹ and, perhaps, *Ouecienin* among the Egyptians.² Archaeological

¹ First mentioned by Sargon II. (*Inscr. Sarg.*, 21) about B.C. 710: "I have hauled the Yavnâ like fishes out from the midst of the sea, thereby giving rest to the land Kûê and the town of Tyre." (*Kûê* is part of E. Cilicia.)

² *Ouecienin* (*Uinîn*) is identified with "Iaon" by CURTIUS, *Die Ionier vor der ionischen Wanderung*, p. 6. I, however, am inclined to doubt the correctness of this identification. Others

evidence¹ shows that the Phœnicians had relations with the Greeks before the Dorian invasion, so that the first use of this name may well date before the post-Mycenæan migrations. Also, if the Phœnicians had first come into contact with the Greeks after the Dorian invasion, we should have expected the Semitic name for the Greeks to have been “Dorian” rather than “Ionian,” for the Dorian colonists of Crete and Rhodes would then have been the first Greeks to meet the Semitic newcomers. It has been supposed that, on an Egyptian monument of the thirteenth century B.C., there occurs a mention of a northern land of “Iaunna,” or, as the German Egyptologists have it, “Yevanna,” a name which looks as if it were the same as *Iafow*.² But in reality the name



cannot certainly be read *Ya-un-na* or *Ya-wen-na*: the first sign has been read *ma-* and *ari-*, and either of these two readings is more probable than the first, *ya-*. *Maunna* has been identified with Maionia, and *Ariunna* with Ilium. This piece of evidence must therefore be provisionally shelved. Another supposed Oriental mention of Ionians during the Mycenæan period must be absolutely dismissed. Professor Sayce (*Athenæum*, October 1891) has considered that the name of the Ionians (*Yivana*) occurs in one of the *Tell el-Amarna Letters*—i.e., about 1430 B.C. But the word in question is *yiba*, which can have nothing to do with *Iafow*, but seems to would derive it from *Hau-nebu*, which may have been pronounced something like “Haunim” in the decadent period of the Egyptian language.

¹ *V.* pp. 136, 229.

² W. M. MÜLLER, *Asien und Europa*, p. 369 f.

mean a kind of groom or horsekeeper.¹ But although these two pieces of evidence fail us when tested, it must be remembered that Greek tradition certainly brought Ionians to Southern Asia Minor and Cyprus before the period of the so-called "Great Migration." Herodotos brings to Lykia an eponymous hero Lykos, of Ionian blood, who civilized the Termilai. The story may point to the Eteokretan inhabitants having been subdued by an Ionian tribe, which intermixed with them and hellenized them, so that in historic times we find them recognized, despite their unhellenic language, as almost members of the Greek world. We have already seen (p. 88) that the Lykians already bore their *Greek* name as early as 1450 B.C. From Lykia the earliest Hellenic migration would pass eastwards to Pamphylia, whose inhabitants, legend said, "were descended from those who, on their return from Troy, were dispersed with Amphilochos and Kalchas."² This merely shows them to have been descended from Hellenic rovers who came by sea, and little can be urged against the view that the earliest Pamphylians were probably among the first Greeks who penetrated beyond the Ægean. From the Pamphylian coast Cyprus was easily attainable, and in Cyprus the evidence of archaeological discovery and of tradition combine to confirm the geographical possibility that this island was colonized by the Hellenes not at the close of the post-Mycenæan migrations, but at least not long after the first migration of the Aryan Greeks into Greece. The first colonists, according to tradition, were Ionians,

¹ Cf. WINCKLER, *Tell el-Amarna Letters*, No. 83.

² HDT. vii. 91.

who came with Teucer and Akamas to Salamis;¹ Soloi was also said to have been an Ionian colony. The Kythnian colonists were, of course, Dryopes, not Ionians.

Other races from Greece also settled in Cyprus at a very early date: to Paphos came Arcadians under Agapenor, and the Cypriote dialect seems to have been considerably affected by this immigration, for it retained a resemblance to that of Arcadia even in historic times. Curium and Lapethos assigned their origin to Argives and Lakonians respectively. These must have been præ-Dorian Argives and Lakonians, for there was no Dorian blood in Cyprus, and, as has been already pointed out, the "Geometrical" style of the Dorians is not represented in the island.²

But since the first Hellenic inhabitants of Cyprus were probably Ionians, to them the early importation of works of Mycenæan art was no doubt due, and to them the firm establishment of the Mycenæan culture in the island may also with probability be ascribed.

The Mycenæan period in Cyprus presents many interesting features. Apparently at the period of the full bloom of Mycenæan culture, and when fine Mycenæan vases were imported from Greece, we still find types of pottery and weapons of præ-Mycenæan appearance.³ In the same way we find the Mycenæan

¹ The legend of the founding of the Cyprian Salamis from the Ionian Salamis has been regarded as a mere ætiological invention; the view that it probably represents a historical fact is quite as deserving of attention. The name may or may not be Semitic.

² Cf. p. 38 n.

³ E.g., at Ααξιδι 700' P197 (MYRES, *J.H.S.*, xvii. p. 147 ff.).

culture still lingering on in this island at a time when it had in the Ægean long before been replaced by the Geometrical and sub-Mycenæan styles of art. As has already been noted, Babylonian cylinders and other objects found in the latest Mycenæan tombs of Cyprus date them as late as the eighth century B.C. But the Mycenæan period in Cyprus must have begun before the first Mycenæan objects reached Egypt, since at this period the only route which commerce would probably follow was that by way of Cyprus. And the first Mycenæan objects reached Egypt apparently as early as 1550 B.C., certainly before 1400 B.C. The Mycenæan period seems then to have lasted in Cyprus for at least 800 years, from the time when the first Mycenæan vases were imported thither from Greece till the final extinction of the Mycenæan artistic style.

The Phœnicians also were probably settled in the island in very early times; they may have occupied the southern coast before the arrival of the Hellenes. In Cyprus the Greek immigrants found themselves in close juxtaposition with vigorous representatives of the older civilizations of the East, a people who were at least their equals as sailors, as traders, perhaps even as warriors. In Cyprus the Phœnicians were close to their base on the coast of Palestine, whereas the Cypriote Greeks were far from their base in the Ægean, with a long and precarious line of communication behind them. It was indeed only the real superiority of Hellenic over Semitic civilization which enabled the Greeks not only to gain an assured footing in Cyprus, but to maintain that footing

Indicates in consideration
of the strong Egyptian
influence in Cyprus

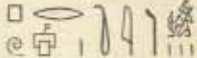
and consolidate their influence there, in spite of the presence of a large Semitic population in the island and its proximity to one of the chief centres of Semitic culture. Greek settlement on the Palestinian coast, in



FIG. 41.—A Philistine of the XIIth century B.C. (Sculptures of Rameses III.: Thebes.)

the enemy's camp itself, was always impossible: such stories as that of the filial relation between Berytos and Miletos cannot be taken to imply a regular Greek colony on the Phœnician coast. It has been conjectured that the Philistines were, if not of Hellenic

blood, at least Pelasgians, and that they came from Crete, which is supposed to be what is meant by the *Kaphtor* of the Bible. This was certainly the Jewish tradition; David's Philistine bodyguard were called *Kerethim*, which is translated Κρητες in two passages of the LXX (Zeph. ii. 5; Ez. xxv. 16). They

were known to the Egyptians as  (Pulesathâ), and formed part of the northern confederation of tribes from Europe and Asia Minor which attacked Egypt in the reign of Rameses III. (between 1200 and 1150 B.C.). Although they are often claimed by Semitists as pure Semites, they may well have been originally a Pelasgic tribe of Crete or Southern Asia Minor; we cannot conclude that they were genuine Greeks who passed farther east from Cyprus, because no trace of Mycenaean civilization, except a few vase-fragments from Tell es-Safi,¹ has been discovered in Philistia.² Greek tradition,

¹ WELCH, *Ann. Brit. Sch. Ath.* 1899-1900, p. 120.

² With regard to the racial affinities of the Philistines, DELITZSCH asserts (*Wo lag das Paradies?* p. 289): "Die Philister geben sich, wie alle uns bekannten phillistäischen Eigennamen beweisen, durchaus als Semiten und zwar Kananiaer." TIELE agrees, and discovers traces of a specifically Aramaic strain in the Philistines (*Godsdiens*, p. 214; "Waarschijnlijk kwamen zij, al is 't langs een omweg, uit arameesche streken; althans hun godsdiensdienst wijst daarheen"). JENSEN (*Kosmologie der Babyloniër*, p. 449 ff) argues that the famous Dagon, whom we have always pictured with a fish's tail, was no fish-god at all and had nothing to do with fish, but was a counterpart of Bel, the Lord of Heaven. This seems to him to prove the Semitic origin of the Philistines. Still, personally, I am not convinced; the physiognomy of the Pulesatha on the Egyptian monuments is European and they wear the feather headdress worn by Lykians and Mycenaean (v. p. 180, n. 2); further, *malgré* Prof. Delitzsch,

archaeological discovery, and geographical probability allow us to bring the Hellenes as far east as Cyprus, but no farther.

So that it was in Cyprus, and probably in such place-names as *Amkarruna* (Ekron) and *Askalon*, and such proper names as *Mitinti* (king of Askalon in Esarhaddon's time) and *Ikausu* (king of Ekron at the same period; cf. the biblical *Akiak*; see Addenda, p. 321) are not Semitic. They are transliterations of foreign words, and it is noticeable that the Assyrians transliterated Gk. -os by -u-su, and that the two of the above names which end in -u-no in Greek end in -su. Such possible originals as **Ankarón*, **Askalón*, **Midindas*, **Ikaos*, do not argue Semitic affinity, but point to a very different and more probable connection with "Pelagic" speech. And, *malgré* Jensen, there is some authority for the idea that Dagon was a fish-god: so he may well be compared with the Cretan *ἄλιος γέρον*, or Triton, who appears on the coins of Itanos. W. M. MÜLLER (*Asien u. Europa*, p. 387 ff) accepts the Philistines as being of European origin, and takes Justin's tradition of the sacking of Sidon by the "rex Ascaloniorum" in 1209 B.C. as, in conjunction with the Egyptian records of the *Pulesatha*, roughly indicating the period at which they colonized the Palestinian coast. The tribes which are associated with them in Egyptian history, the *Tchakarai* and *Danuna*, who also settled on the Palestinian coast, were also, no doubt, of European origin (*v. post*, p. 176); certainly they were no more Semites than the *Pulesatha*, and the name of a *Tchakarai* chief of Dor mentioned in the reign of King *Herheru* of Egypt (c. 1050 B.C.), *Badira*, is no more Semitic than were *Mitinti* and *Ikausu*. W. M. MÜLLER regards the idea of the specifically Cretan origin of the Philistines, which relies on the identification of *Kaphtor* with Crete, with doubt. But if *Kaphtor* is the same as the land which the Egyptians called *Keftiu*, it may very well have been Crete, since, as we shall see later (p. 165), Crete was very probably included in the Egyptian idea of "Keftiu." In fact, the old tradition seems to be worth more than the theories of the Semitists. All that can be granted them is that the Pelagian *Pulesatha*, who gave their name to the people, may have been merely a ruling race of nobles, and the mass of the people Canaanites; also that this race died out or was absorbed as early as the tenth century, in exactly the same way as the Normans became French within a couple of centuries of their conquest of Neustria.

If the strong Egyptianizing element in Crete is compared with Cyprus.

the Mycenæan period, that the Greeks first came into contact with the Phœnicians, whose growing maritime and commercial energy now first begins to influence the cause of the history of the Mediterranean peoples. During the earlier period of the Mycenæan culture, in the fifteenth century B.C., we find the Phœnician cities already in full activity, in constant relations with Egypt, to which country they were tributary, with the numerous and highly-civilized nations of Canaan, the alien peoples of Alashiya, Kheta, and Mitanni, and with far-away Karduniyash or Babylonia. Their ships were already numerous,¹ and without doubt most of the trade of the Eastern Mediterranean was already in their hands. Between Mycenæan Cyprus and Egypt the middlemen were, as we shall see, apparently Phœnicians; and whatever commerce passed through Palestine from Mesopotamia to Cyprus and Greece must also have passed through their hands. Traces of Asiatic influence transmitted obviously through Phœnicia and Cyprus are not wanting in Mycenæan Greece: such Phœnician-looking objects as the gold representations of Ashtoreth and of her temple which were discovered in the shaft-graves of the akropolis of Mycenæ can only have come thither by way of Cyprus; the doves on the shoulders of the goddess and on the eaves of her temple are surely reminiscent of the general Greek conception of the Paphian Aphrodite.² We cannot,

¹ Cf. WINCKLER, *Tell el-Amarna Letters*, Nos. 81, 124, 151, &c.

² SCHUCHHARDT, *Schliemann*, figs. 180-183. Other late objects
 X from these tombs: *ib.* figs. 172, 186, 187. Prof. GARDNER explains the conjunction of late and early objects in these apparently early tombs in *New Chapters in Greek History*, p. 77.

however, with certainty date these objects as early as the ceiling of Orchomenos, or the vases of the tombs of Rekhmara and Rameses III.; their general appearance points to a much later time, and even suggests the very latest phase of the Mycenaean period; they closely resemble many of the newly-discovered late-Mycenaean objects from Cyprus, which cannot be much older than the eighth century. They *may*, however, be much older: Phœnician artistic influence was probably of much the same character in the fifteenth as in the eighth century B.C.¹



FIG. 42.—Ivory Mirror-handle, from Mycenæ, of Cyprian late-Mycenaean type.

¹ The majority of the gold and silver vases, &c., commonly brought to Egypt under the XVIIIth and XIXth Dynasties by Semites as tribute are

But we cannot speak definitely of Phœnician influence on Mycenæan culture at the earlier of these dates. After the break-up of the Achaian thalassocracy, the Phœnicians seem to have for many years dominated the Ægean; direct Phœnician influence must, therefore, have been felt in Greece as early as the tenth century. But before that time we have no proof that the Phœnicians had reached the Ægean: between Cyprus and the West the mediators were probably the "Mycenæans" themselves. Of the relations between the Phœnicians and Greece in post-Mycenæan days we shall have occasion to speak later; for the Mycenæans they can have had hardly any importance other than that of carriers between Egypt, Palestine, and Cyprus. It is noticeable that not a single object of Mycenæan origin has, apparently, been found in Phœnicia or the neighbouring lands of Syria, Cilicia, &c.

It is remarkable that in the early Mycenæan period no attempt seems to have been made to introduce the cuneiform script from Mesopotamia into Greece. That Greek could be intelligibly written in a syllabic character like that of Mesopotamia is shown by the instance of the Cypriote syllabary, which at a later time

obviously Phœnician imitations of Egyptian work. Even the tribute of the Mycenæan Keftiu (*v. post.*, p. 166, n. 2) contained many such Phœnician imitations. (*Cf.* v. BISSING, *Eine Bronzeschale mykenischer Zeit*, in *Jahrb. Arch. Inst.* xiii. p. 28 ff., on this subject. But the early bronze dishes, such as the bowl of Tahuti, in the Louvre, are of purely Egyptian origin, not Phœnician imitations.)

began to be used for writing Greek in Cyprus, and continued in use till the fourth century. And if cuneiform could be so modified as to be conveniently used to write Old-Persian, it could equally well have been used to write Greek or the old Pelasgic speech. The fact that cuneiform did not pass to Greece through Asia Minor looks almost as if the tribes of Asia Minor already possessed a script of their own which barred the way to cuneiform. Can we then conclude that the "Hittite" hieroglyphs already existed in Mycenæan times? It might well, however, have been expected that cuneiform would have reached Greece through the medium of the Phœnicians and Cypriotes. During the Mycenæan age the cuneiform script was used by all the Semitic nations of Western Asia, and among them by the Phœnicians: the alphabet had seemingly not yet been devised. If the probable identification of Alashiya with Cyprus is accepted,¹ cuneiform was used in that island in the fifteenth century, and if Arşapi, the kingdom of Tarhundarauš, is to be placed on the Cilician coast, it was used to write a native language of Asia Minor at the same epoch.² Yet it never seems to have been used in Cyprus for the purpose of writing Greek, and we have no evidence that it ever passed along the coast of Asia Minor farther west than Cilicia. But the Babylonian custom of writing on a clay tablet with a stylus passed as far west as Crete, where it was adopted by the Mycenæans of Knôssos for their pictographic script.

¹ *V. post*, p. 163.

² Tell el-Amarna Letter, *Berlin* 10.

Are we to conclude that the Mycenæans already possessed a writing-system of their own before they came into contact with the cuneiform-using nations? It would seem odd if a culture so highly developed in many ways should not have embraced a system of expressing ideas by signs. In Crete and Cyprus, and at Mycenæ, "pictographic" systems of writing were in use in the Mycenæan period. In Crete the signs were not only scratched upon potsherds, as is the case at Mycenæ, and engraved upon seal-stones, but were incised upon prepared clay tablets after the Babylonian fashion, as we have noted above. Our knowledge of these tablets is due to Mr. A. J. Evans, who discovered large collections of them in the course of his excavation of the Mycenæan palace at Knôssos. Many of them apparently contain accounts, inventories of ships, chariots, horses, swine, &c.: thus much we can guess from the pictures, for there is as yet no prospect of their being read.¹ This system, with its linear development or variant, which is used on most of the Knôssian tablets,² appears to have been exclusively confined to Crete, and was not used elsewhere in the Mycenæan world. The Cretan script has been connected with that of Asia Minor, and it might at first sight seem probable that this

¹ It has been already noted (p. 19, n.) that the attempt of KLUGE to read the pictographs with the aid of Greek is an absolute failure. Here, as in the case of the Hittite script, X Lycian might prove to be the key to the language.

² Mr. Evans seems to regard the linear signs as *earlier* than the fully developed pictographs. This is contrary to what one would expect. He also advances the view that they belonged to two distinct races, the users of the purely pictographic signs being the Eteokretans (*Ann. Brit. Sch. Ath.* 1899-1900, p. 61).

mode of writing had been adopted by some of the Mycenaean tribes from their Asiatic neighbours before they had come into contact with the cuneiform-using Semites. But no close resemblance exists between the Cretan pictographs and the "Hittite" hieroglyphs, and we have no evidence beyond mere surmise of their having existed contemporaneously.¹

It seems preferable to regard the Cretan signs as a development peculiar to Crete. Other similar pictographic systems may have existed in other parts of Greece and the West during the Bronze Age: for instance, the signs which have been found on vase-fragments from Mycenæ² probably belong to a writing system entirely independent of that of Crete. The Mycenaean tribes, therefore, in all probability possessed different means of expressing ideas in picture-writing before they came into contact with the users of the cuneiform or the "Hittite" scripts; but it remains odd that neither of these modes of writing was adopted by them to supersede their own less developed systems, and that no common mode of writing may have existed in Greece until the

¹ The Cretan script is far more probably connected with the Egyptian hieroglyphic system, to the *hieratic* form of which the Cretan signs bear a remarkable general resemblance. Against the idea of a connection with Egyptian hieratic, however, it might be urged that, as stated by Mr. EVANS (*Ann. Brit. Sch. Ath.* vi. p. 59), the Cretan script "invariably reads from left to right." Is this, however, certain? The seated figure and the birds on the tablet illustrated by him (*loc. cit.* Plate ii.) face to the right, *i.e.*, on the analogy of Egyptian, the beginning of the line.

² TSOUNTAS-MANATT, p. 268, figs. 137, 138, 139.

introduction of the Phœnician alphabet in post-Mycenæan times.¹

Generally speaking, it is not a little curious that the widespread civilization of Babylonia should have had so much less regular connection with and exercised so much less real influence upon the development of Mycenæan culture than the distant civilization of Egypt. And whereas Mycenæan objects are constantly found in Egypt, nothing Mycenæan seems to have been yet found in Asia east of Kara-Eyuk in Cappadocia.

¹ Yet it is no less odd that the Cypriote Greeks should so long have retained their cumbrous syllabary when their Phœnician fellow-islanders were using a simple alphabet.

VI

MYCENÆ AND EGYPT

It has already been pointed out that relations of some kind seem to have existed between Greece and Egypt in præ-Mycenæan days. This is shown chiefly by the occurrence of glass and ivory objects in the cist-graves of the Greek islands, by the presence of Egyptian objects of the time of the XIIth Dynasty exclusively in præ-Mycenæan sites and graves in Crete, and by the occurrence of the black præ-Mycenæan pottery with objects of the XIIth and XIIIth Dynasties at Kahun and Khata'anah in Egypt. It may be noted that Professor Petrie has adduced as further evidence for this connection at this time a fragment of a blue stone vase inscribed with the cartouche of King Usertesén I. (XIIth Dynasty, about B.C. 2450), the material of which he considers to have come from the Ægean.¹ It is, however, obvious that the material may equally well have come from some place nearer Egypt, perhaps in the Western Desert, the knowledge of which has been lost. However, the general cogency or want of cogency of the

¹ PETRIE, *Kahun, Gurob, and Hawara*, p. 42; LOFTIE, *Essay of Scarabs*, p. 16. Brit. Mus. No. 24118. The style of the hieroglyphs shows that the vase is of Usertesén's (see p. 320) time.

arguments connecting præ-Mycenæan Greece with the Egypt of the third millennium B.C. may be sufficiently estimated from the evidence adduced in Ch. III, "The Question of Date."

X The commerce of this period can hardly have been very highly developed; in all probability the few objects of præ-Mycenæan origin found in Egypt and of Egyptian origin found in the Ægean had only reached their respective destinations after having been bartered from hand to hand and from tribe to tribe. It is unlikely that the Egyptians had any knowledge of the Ægean Islands at this early period; the "Isles of the Very Green" mentioned in texts of the time of the VIth Dynasty are probably only the coast-lands of the Delta, and the same "islands" mentioned in the *Story of Sanehat*, a tale of the early days of the XIIth Dynasty, cannot be brought in as evidence on the question, as it was apparently composed at a date much later than that of the period of which it treats.¹

The route by which this trade was carried on is not yet finally determined, but it would seem likely that the only available route from the Ægean to the Nile mouths must have run either by land or sea along the Asiatic coast *via* Cyprus.

A theory has, however, lately been put forward, according to which a *direct* connection between Crete and the coast of Africa already existed at the period of the XIIth Dynasty—*i.e.* about 2500 B.C. It is attempted to prove that this connection was a very close one, and that it had a very great influence on

¹ MASPÉRO, *Records of the Past*, ii. (2nd series).

the præ-Mycenæan culture of Greece. The theory is even extended to prove a connection between Crete and the archaic civilization of Egypt, which must date to about 4000 B.C. If pushed to its logical extreme this theory, or rather its further extension, might take back the præ-Mycenæan culture of Greece to a period some two thousand years anterior to the generally accepted date for it, and bring some at least of the elements of the most ancient civilization of Egypt from the mound of Hissarlik, or *vice versa*. The extension of the theory also seeks to show that a connection between Crete and Libya also existed at this remote date.

The inception of this certainly most suggestive theory is due to Mr. A. J. Evans.¹ We have already seen reason to criticize it in some degree when dealing with the question of Mycenæan dates: we can now discuss it more fully.

It has already been noted that the geographical position of Crete is such that it offers a convenient route simply from continental Greece to Asia, and not from the Ægean to Africa. On geographical grounds a direct connection between Crete and Egypt at this time is extremely improbable; we have no right to suppose that the primitive islanders, who had not long emerged from the Stone Age, were better sailors than the Homeric Greeks, to whom the direct voyage from Crete to Egypt still seemed an unusual and remarkable adventure. On this account an objection may be preferred against the theory of

¹ *Cretan Pictographs and Further Discoveries of Cretan and Ægean Scripts* (J. H. S. xvii. p. 327 ff).

direct connection. We have now to examine the archaeological evidence for it, and to see if this can outweigh the geographical objection.

In Crete Mr. Evans has acquired a number of seals of various shapes, made some of soft steatite, others of hard jasper and cornelian, bearing designs of a peculiar kind; some consisting of spirals and similar ornaments, some representing animals and men, while on others certain objects—*e.g.*, birds, parts of the human body, animal heads, weapons, vases, &c., so constantly reappear in varying combinations that the conclusion is forced upon us that they are hieroglyphics, and belong to a pictorial system of representing ideas. In Chapter V. we have assumed this to have been the case. On other seals linear forms of the same "pictographs" are found, which offer many points of resemblance to the later Cypriote script. The pictographs themselves often resemble both Syrian ("Hittite") and Egyptian hieroglyphs; the likeness to the latter is sometimes so close as to suggest that the Cretan engraver had an Egyptian model before him. The original provenience of the greater number of these seal-stones is doubtful, but they seem to come mostly from the eastern end of Crete, where in later times the præ-Hellenic tribe of the Eteokretans lived. Mr. Evans therefore surmises that these pictographs belonged to the Eteokretans. The seal-stones are apparently entirely confined to Crete; only a few specimens, obviously imported from Crete, have been found in the Peloponnese. They appear to be of various dates; many are Mycenaean in character, some are apparently later, dating from

the "archaic" period of Greek art, while others, such as those from the Hagios Onouphrios deposit, go back to præ-Mycenæan times. Mr. Evans apparently considers the majority to be of præ-Mycenæan date.¹ He then compares the spiral patterns found on many of these seals with the well-known spiral patterns of the Egyptian scarabs of the Old and Middle kingdoms. He finds such striking resemblances between the Cretan and Egyptian patterns that he considers that the Cretan seals must date approximately to the period of the XIIIth Dynasty—*i.e.*, about 2500 B.C. Implicitly the pictographic seals must mostly be of the same date, and this, he thinks, is confirmed by his discovery in the Dictæan Cave on Mount Ida of a "table of offerings" of an Egyptian type which some archæologists consider to be of XIIIth Dynasty date, which is inscribed with linear Cretan characters, and by the resemblance between many of these linear characters and the potter's marks found by Prof. Petrie at Kahun. These comparisons and finds he also considers to prove a close and direct connection between Crete and Egypt under the XIIIth Dynasty—*i.e.*, in præ-Mycenæan times. This connection Mr. Evans apparently considers to have been established across the open sea from Crete to Libya and the Delta, and is perhaps confirmed in this opinion by the absence

¹ The possibility that the Eteokretans, who, as we have seen, were one of those præ-Hellenic peoples to whom the præ-Mycenæan culture may be assigned, were the original possessors of the Cretan pictographic script can hardly be held to prove the præ-Mycenæan date of this script, since the Eteokretans may quite well have continued to use it into Mycenæan times, or even later.


of the seal-stones from Cyprus; neither the spirals nor the Cretan pictographs have ever been found in Cyprus, either in præ-Mycenæan graves or elsewhere.¹ The further development of this theory has already been mentioned, and before we discuss Mr. Evans's main theory we will first see how far its development can be accepted.²

A number of cylinders and other perforated stone objects, possibly seals, have been found in Egypt which are ornamented with roughly incised designs of men and animals, Egyptian hieroglyphs, &c. These objects, which are claimed to belong entirely to the Old Kingdom (4000-3000 B.C.), are compared with some of the ruder Cretan seal-stones; certain resemblances between the two classes of objects are held to prove that the ruder Cretan seals date to this period and that connection existed between Crete and Egypt then. The Egyptian objects with which they are compared do not, however, appear to be exclusively of this early period; one which is noted by Mr. Evans is more probably of XIIth Dynasty date.³ Of the Cretan seals with which they are compared none are cylinders. Some of them are

¹ Pictographs analogous to those of Crete have, however, now been found in Cyprus (*v. post*, p. 265).

² Many of the arguments used to prove the early date of the supposed Libyan-Cretan connection have been adduced by Prof. Petrie. Cf. generally, on relations between Egypt and early Europe, PETRIE, in *Trans. R. Soc. Lit.*, xix. 1. The arguments in favour of a connection between the "New Race" culture and that of præ-Mycenæan Greece must now be taken as being in favour of a connection between the prehistoric culture of the Egyptians and that of the Præ-Mycenæans (*cf. ante*, p. 15).

³ EVANS, *J. H. S.*, xvii. fig. 30, p. 364.

three-sided; a three-sided seal with rude designs has been found at Karnak.¹ This seal has a very wide perforation; Egyptian cylinders of the time of the VIth Dynasty have wide perforations. It is, therefore, concluded that the Karnak seal dates to the time of the VIth Dynasty. The Cretan three-sided seals will therefore also date to about that time. The designs on the other Egyptian seals instanced by Mr. Evans are purely Egyptian in character, but on the Karnak seal, although the other hieroglyphics on it are also purely Egyptian, he sees one thing which he would especially connect with Crete—a horned man, the Cretan Minotaur. But it may be pointed out that this man is more probably the Egyptian hieroglyph  signifying "a soldier"; his supposed horns are more probably only the feathers which the Egyptian soldier wore on his head. If this explanation be accepted, the supposed connection of this seal with Crete disappears; common triangularity of shape and common rudeness of execution seem hardly sufficient grounds on which to suppose a connection between it and the similar seals from Crete, when it is seen that the signs on it are not in the least Cretan in character but are merely ordinary Egyptian hieroglyphs. On the supposed specific connection of this seal with Crete rests most of the supposed connection between the other rude Egyptian seals and the ruder of the Cretan engraved stones.

A further argument for a connection between

¹ *J. H. S.* xvii. p. 362, fig. 28.

Crete, and also the Ægean generally, with Egypt at this period is found in certain resemblances between certain Cretan stone vases of præ-Mycenæan date and early Egyptian stone vases, and between the præ-Mycenæan style of pottery generally and the Egyptian pottery of the prehistoric and archaic



FIG. 43.—Prehistoric Egyptian "Boat-Vase"; c. 4500 B.C., or earlier.

periods, which was at first assigned to a "New Race" of Libyan origin. The archaic vases, whether of stone or earthenware, of both Egypt and of Greece, are equally primitive; but it is difficult to see how this can prove any connection between them. Certain curious designs on the earliest Egyptian vases look at first sight as if they were meant to be

representations of boats. These supposed boats appear to be sailless, and not of Nilotic type; in them Professor Petrie sees the Mediterranean galleys which brought the Cretans to Egypt at this period. Mr. Torr, however, considers these supposed "ships" to be merely rude representations of two huts on a hill or rampart with a path

leading up to them.¹ The mast then resolves itself into an Egyptian nome-standard, an object at the end of the "boat" becomes a palm-tree, and Professor Petrie's "steering-oar" is perhaps a pole stuck in the ground. But certain discoveries of prehistoric representations of ships made lately at Hierakônpolis would seem to show that the objects depicted on the



FIG. 44.—Fragment of an archaic Egyptian Slate Relief of same date as Fig. 45, showing the style of art with which it has been proposed to connect that of Mycenæ.

vases may be boats after all;² but that these boats were the ships which plied between Crete and Egypt some four thousand years B.C. nothing can ever show. These predynastic Egyptian vases have been supposed

¹ TORR, in *L'Anthropologie*, ix. 32.

² These ships closely resemble the "boats" on the vases. Mr. Torr's explanation will be awaited with interest.

to have a Libyan appearance, and a connection has been presumed to have existed between Libya and Greece about 4500 B.C. because præ-Mycenæan and Libyan vase-designs perhaps resemble those of archaic Egypt. But we cannot say that there is anything Libyan about these Egyptian vases, or that Libyan vase-designs resemble their ornamentation, for the simple reason that we possess no Libyan vase of the date of the prehistoric Egyptian vases, and have not the slightest idea of what Libyan vases may have been like at that period. Whether the bodies found in the prehistoric Egyptian graves have any "Libyan" characteristics or not remains doubtful; Prof. Virchow suggests that the supposed fair-haired Libyans of the Ballas graves owe their reddish locks not to a "xanthous Kabyle" origin, but to the action of the salt in the soil!¹ Libya, therefore, must be provisionally shelved, and so we see that these arguments are by no means convincing, and cannot be said to in any way prove a connection between Crete and Egypt or generally between Europe and Africa as early as 4500 B.C. To the question of the Ægean vase-fragments found in the graves of the archaic Egyptian kings Semerkhat and Tcha we have already alluded (*ante*, p. 74). The fragment of an archaic Egyptian slate relief (illustrated on the following page, Fig. 45), which dates back to the Ist Dynasty (c. 4000 B.C., or earlier), has been claimed as showing a connection

¹ *Über die ethnologische Stellung der prähistorischen und proto-historischen Ägypter, nebst Bemerkungen über Entfärbung und Verfärbung der Haare* (Abhandl. kgl. preuss. Akad. 1898).

between archaic Egyptian and Mycenæan design: the bull goring the man being compared with the



FIG. 45.—Fragment of an archaic Egyptian Slate Relief, in the Louvre; c. 4000 B.C.

well-known scenes of *ταυροκαθάψια* on the fresco at Tiryns, the Vaphio cups, &c.; but there is no real connection of any kind here. This Egyptian bull merely

symbolizes the king, who is goring his enemy, while the gods Anubis, Upuaut, Thoth, Horus, and Min, symbolized by their totem-standards, pull the rope which binds the king's enemies and drags them to slaughter. We can now turn to the discussion of Mr. Evans's main theory, which seeks to prove close connection, implying *direct* communication, between Egypt and Crete in præ-Mycenæan times, on the evidence of the seal-stones.




We have seen that the præ-Mycenæan culture of Cyprus and the Ægean must have been more or less contemporary with the Egyptian period of the "Middle Kingdom" to which the XIIth Dynasty belongs, and was in communication with Egypt at that time. That præ-Mycenæan Crete was in communication with XIIth Dynasty Egypt is then quite possible, and the possibility is made a probability by the discovery in Cretan tombs of the primitive period of Egyptian scarabs of the Middle Kingdom.¹ Also, coming down somewhat later, from the proto-Mycenæan strata of the palace at Knóssos comes the lower part of an Egyptian statuette which is undoubtedly of XIIth or XIIIth Dynasty date.² But though the similarity between the spiral designs of the Egyptian scarabs of the Middle Kingdom and the Cretan spirals on the seal-stones is certainly striking,

¹ At Hagios Onouphrios. The fact that the præ-Mycenæan culture must date to at latest before 1600 B.C. (p. 71, *ante*) shows that these scarabs cannot be much older than the objects with which they were found: in all probability they are absolutely contemporary with them.

² This piece of evidence appears, however, to be of doubtful value: see Addenda, p. 320, *post*.

it could hardly have been held to prove connection had not the above evidence existed. The other evidence which Mr. Evans brings forward as further confirmation of the theory of close connection is not so satisfactory. The inscribed table of offerings from the Dictæan Cave has an Egyptian appearance, and may therefore have been copied from an Egyptian original, but not necessarily at the time of the XIIth Dynasty; also, such altars are apparently not universally considered to date exclusively to that period.¹ Two primitive-looking pots have been found in Crete with signs scratched upon them which appear to be identical with some of the linear signs of the seals,² but it would be necessary to know the conditions under which these vases were found before they could be pronounced to be undoubtedly præ-Mycenæan; the presumption that they *are* præ-Mycenæan is, however, quite legitimate. But between these linear signs and the potter's marks from Kahun there is only a rough similarity, from which no connection can be deduced.³ If we put this doubtful evidence

¹ There seems to be no reason to suppose that Egyptian "Tables of Offerings" of the type of that found in the Dictæan Cave are necessarily of XIIth Dynasty date and of that date only. Some of the signs upon it look like mere rude imitations of

Egyptian hieroglyphs; a , a , and a  are recognizable.

There is little doubt that the Cretan script was very strongly influenced by Egyptian writing (*v. ante*, p. 141, n. 1).

² EVANS, *Pictographs*, figs. 4, 5.

³ It seems impossible to argue anything from mere rudely incised marks of this kind. Such marks are found on Egyptian pottery of the VIth Dynasty, and occur again under the XVIIIth, a difference of two thousand years!

on one side, the fact remains that many of the seal-stones, among them certainly some of those with spiral designs, are of præ-Mycenæan ("Amorgan") date and so contemporary with the Egyptian Middle Kingdom; the seals from Hagios Onouphrios prove this. The question is whether the undoubted similarity between the Cretan spiral designs and those of Egyptian Middle Kingdom scarabs proves, in the absence of any trace of the passage of Egyptian artistic influence at this early period from Egypt to Crete *via* Cyprus, that Crete communicated with Egypt at this time directly across the open sea. It seems hardly possible that Egyptian XIIth Dynasty patterns were copied by the Cretans of the Mycenæan period in preference to the Egyptian styles of their own day, so that no theory of later imitation will account for this similarity. The spiral is a very obvious form of ornament, and occurs all over the world, from China to Mexico. Are the spirals of the Cretan seal-stones—and therefore the whole system of early Greek spiral decoration also—really an artistic development quite independent of the Egyptian spirals? On both seal-stones and scarabs space is confined, and a spiral design would naturally have to take much the same form on both. If this could be accepted as the cause of the resemblance, there would be no ground for the supposition that the whole spiral system of ornament so characteristic of the Mycenæan period really originated in Egyptian scarab-designs.¹ In that case

¹ In *Science Progress* (1896) Mr. MYRES says that spirals were the dominant feature of Egyptian art under the XIIth Dynasty, but there is little evidence of this beyond the use of spirals on


there would in the evidence of communication between the Ægean and Egypt be nothing which need cause us to doubt that it was through Cyprus and Palestine only that any connection between Crète and Egypt can have existed in præ-Mycenæan times.¹ On the whole, then, we seem justified in thinking that whatever commerce there was between the Ægean lands and Egypt in præ-Mycenæan days was carried on by way of Cyprus and the Palestinian coast.


We cannot be sure as to the people through whom this early "commerce" was carried on. The Phœnicians had possibly not yet reached the shores of the Mediterranean at this date, and it is very improbable that the islanders had as yet voyaged farther from the Ægean than Cyprus. Neither the Phœnicians nor the islanders are likely to have been the middlemen whom we seek. On the whole it would seem most probable that the præ-Mycenæan pottery was brought to Egypt from Cyprus through the medium of the Palestinian tribes, whose culture seems to have been akin to that of the præ-Mycenæans of Greece and Asia Minor, and the non-

scarabs. The spiral motive for wall decoration, &c., seems to have been in Egypt used chiefly at the time of the XVIIIth-XIXth Dynasties, perhaps a thousand years after the time of the XIIth Dynasty. It is quite possible that the European spiral originated merely in copper wirework (*cf.* a copper-wire pin worked into spirals, figured by MUCH, *Die Kupferzeit*, Fig. 34, p. 56). MUCH remarks, *ib.* p. 55, "Zudem gehört das Spiralgewinde in seinen verschiedenen Arten zu den frühesten Erscheinungen der Metallzeit überhaupt." For good examples of præ-Mycenæan spirals *cf.* Figs. 6, 7, *ante*.

¹ Only one or two Cretan seal-stones have been found in Egypt, and these may quite well have come thither by the coast route.

Egyptian inhabitants of the Delta. These last were known to the Egyptians by the generic name of

 (*Hauu*, "Fenmen" or "Northerners")

or  (*Hau-nebu*, "All the Fenmen" or





"Northerners"). They were settled in Egypt as early as the time of the VIth Dynasty, and probably earlier; and in the religious texts of the pyramids of the kings Pepi I. and Merenrā (about 3500 B.C.) the "circle of the Hau-nebu"¹ is a regular designation for the barbarian lands on the coast of the *Uatch-ur*, the "Very Green" or "Great Green"—*i.e.*, the Mediterranean Sea. At a very early period the *Hau* were already regarded by the Egyptians with abhorrence as being entirely outside the pale of the Egyptian religious system.² Under the XIIth Dynasty they were apparently still regarded by the Egyptians as inferior beings, hateful to the Gods. After this

¹ *Tebu Hanebu*. The idea is probably that of the twist round of the Palestinian coast from Egypt. It may be noted that the name by which the Palestinian coast-land was known to the Egyptians in later days, *Keṭi* (Kode), also means "Circle."



² *Book of the Dead*, chs. xcix. introd., cxl., cxc. In the rubric to ch. cxl. we read: "Every ghost (*sāhu*) for whom these divine figures have been painted upon his coffin shall make his way through these four entrances into heaven (*i.e.*, the gates of the Winds). . . . Let none who is outside know [this chapter]; it is a great Mystery, and the *Hau* know it not. Thou shalt not do this in the presence of any person except thy father or thy son, or thyself alone; for it is, indeed, an exceedingly great Mystery which no man whatever knoweth." And in the rubric to ch. cxc.: "This book is indeed a very great Mystery, and thou shalt never allow any person whatsoever of the *Hau* to see it." So *Hauu* came to mean "ignorant people."









time, as the Egyptians increased their knowledge of the Mediterranean, so the name "Hau-nebu" became extended to mean "Northern Barbarians" generally, whether in the Delta or in the Greek islands or in Asia Minor; and finally under the Saites and Ptolemies the priestly antiquarians revived the name as a designation for the Greeks generally. Originally these Hau-nebu were certainly neither Greeks nor "Ægeans" of any kind.¹ With them the Egyptians



¹ Cf. generally W. M. MÜLLER, *Asien und Europa*, p. 24 ff.




His theory, that the form   was originally  



(*Hau-henu*, "those north of the swamps"), and that the word *Hau-nebu* originated in this mistake, is interesting. The mis-


take was very old, for the *Haau* are called   (*Hau-nebu*) in the pyramid-inscriptions of Pepi. Dr. BUDGE (*Book of the Dead*, Translation, pp. 289, 354) considers that the word *Haau* (or *Hau*) itself means "those dwelling in the papyrus swamps"; in the *Book of the Dead* the name is


often written    | |    | |   | |, a form which





strongly supports this translation. The  or  of the

  form then = the  of the *Book of the Dead*. So

that, instead of   reading *Hau-henu*, and meaning "those north of the swamps," it will simply read *Hau*, and mean



"Fenmen": the  being merely a corrupt determinative.

The sign  was also used as a determinative of the word




    (*mehti*), "North": this use arose from its primary

no doubt carried on trade, in spite of their religious dislike for the "ignorant fenmen," and it was no doubt through them, and the Palestinian tribes to the north of them, that the præ-Mycenæan vases found in Egypt with remains of the period of the "Middle Kingdom" (XIth-XIVth Dynasties), were brought thither from Cyprus (where vases of




meaning "papyrus," the Northern Delta being the Papyrus-

land *par excellence*. So that to an Egyptian   would





convey the idea "Northerners" quite as much as that of "Fenmen." That this was so is shown by the form


  , which occurs in the *Book of the Dead*,








ch. ex. l. 20: "Let me live with the god *Hetep* ('Rest' or



'Peace'), clothed and not despoiled by the   .

Here for the papyrus-sign is substituted the word *meht*, "North." The instances collected by W. M. MÜLLER (*loc. cit.*, p. 27) show without doubt that the corrupt determinative


 was often taken to mean "all":   

no doubt meant "All the Northerners," or perhaps "Lords of the North" ( = "Lord" as well as "all"), to most readers, who probably had little idea that the original form of the word was

*        (*Ḥaau*), "Fenmen": so that

  was, no doubt, read *Meht-nebu* or *Ḥa-nebu*, and con-

sidered to mean "All the Northerners" by many an Egyptian from Pepi's time onwards. From the meaning "behind," which

belongs to  (*ḥa*), is derived the translation "Those who

are behind their lords," which used sometimes to be given for

identical type have been found), and the ivory and fragments of glass cups found in the Ægean Islands came to them from Egypt.

We have already discussed the evidence which shows that relations between Egypt and Greece existed during the Mycenæan period, and may apparently be dated as far back as 1550 B.C. We have also seen that these relations were pretty constant:

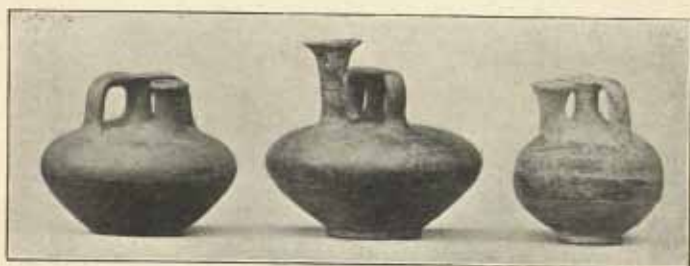
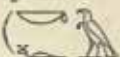




FIG. 46.—Mycenæan *Bügelkannen* from Egypt.

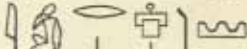
for many centuries Mycenæan vases and other objects were exported to Egypt, where they were probably regarded much in the same way as Chinese and Japanese curios are in Europe to-day, while Egyptian artistic designs and objects of Egyptian manufacture passed in exchange even as far as the centres of Mycenæan civilization in continental Greece.

Who were the Mycenæan *Keftiu* who brought apparently Mycenæan objects of art to the Court of Thothmes III.? In Ptolemaic times *Keftiu* was used as a translation of *Φοινίκη*: the biblical

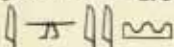
Kaphtor has always been considered to be Crete. That the *Keftiu* () or *Kefthu* (
) of the XVIIIth Dynasty was not Phœnicia is quite certain: first, because the *Keftiu* were Mycenaean of European facial type and not Semites; secondly, because the old Egyptian name for Phœnicia was *Zahi*, not *Keftiu*. It has been finally and conclusively proved by Mr. W. M. Müller that the *Keftiu* of the sixteenth century B.C. was not Phœnicia, whatever else it may have been.¹ Φοινικη was translated "Keftiu" in Ptolemaic times by some priestly antiquarian or other, some learned Manetho, who was acquainted with the great historical inscriptions of the XVIIIth Dynasty, and understood that the *Keftiu* mentioned in them lay somewhere to the north of Egypt (north-westward according to Egyptian notions), and so identified it with Phœnicia, taking the opportunity to perpetuate his theory in the first great inscription which he was commissioned to translate into hieroglyphs, a task which in Ptolemaic times only an archaeologist could have undertaken.

Where then was the real and original *Keftiu*? The *Keftiu* are mentioned in conjunction with tribes of Syria, and as beyond the *Kheta*. In the "Hymn

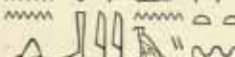
¹ *Asien und Europa*, p. 337 ff. To suppose that *Keftiu* = Phœnicia in Ptolemaic times, therefore it = Phœnicia under the XVIIIth Dynasty, is no more necessary than to suppose that because the *Haunebu* of Ptolemaic days were Hellenes, therefore the *Haunebu* of the VIth Dynasty were Hellenes, is necessary. Mr. TORR (*Memphis and Mycenæ*, pp. 67, 68) accepts the one supposition and rejects the other.

of Amen," quoted on p. 165, they are mentioned with *Asi* (certainly part of Cyprus) as being in the west. Their land must then be placed in juxtaposition to Syria, but westward of it. The most northerly people of the Palestinian coast with whom the Egyptians then had regular relations were the inhabitants of Alashiya or  *Alasa*, a country which may be placed with great probability in Cyprus.¹ It seems, therefore, im-


¹ It has been supposed that Alashiya was in Cyprus, because copper was exported thence to Egypt (WINCKLER, *Tell el-Amarna Letters*, 25, 26, 27, 30, 31, 32, 33). It was a commercial and maritime country (*ib.* 29, 33), and not apparently in Canaan (*ib.* 31). The name of the Alashiyan city *Šihra*, mentioned in Letter 28, is Semitic; of those of the Alashiya mentioned in Letter 26, Paštumme, Kuniea, Etilluna, . . . gurrumma, Ušbarra, and Belram, only two are Semitic. The others do not look in the least Greek, so that they may perhaps be assigned to the pre-Hellenic population. On Alashiya see further, AGDENDA, p. 320, *post*. Other Egyptian names for Cyprus or parts of Cyprus were

 *Asi* (cf. W. M. MÜLLER, *loc. cit.*, p. 337), and

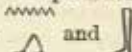
 . . . *ntānai*, both old names.

 "Nebinaitet" or "Nebinaiti" (?), a Ptole-

maic name (Stele of Canopus, l. 9; BUDGE, *Egyptian Reading Book*, p. 228; cf. W. M. MÜLLER, *loc. cit.*, p. 336), is corrupt; the

initial  is obviously wrong. It is a misreading of the

genuine name . . . *ntānai*, which seems to me to be very possibly the same word as the Assyrian name for Cyprus, *Atnana* or *Yatnana*, which we first meet with 700 years later than the mention of . . . *ntānai*. The transposition of *nt* into *tn* presents

no difficulty: and the simple emendation of the 








probable that Keftiu can have been very far westward from Alashiya; W. M. Müller (*loc. cit.* p. 336 ff.) regards it as a part of the Cilician coast. But this is an impossible identification; we have no











FIG. 47.—Mycenæan Gold and Silver Vase; from a wall-painting in the tomb of Rekhmara, c. 1550 B.C.

evidence of Mycenæan culture in Cilicia (*cf.* STEINDORFF, *Arch. Anz.* 1892). Now the Keftiu exported copper to Egypt: a copper-producing land in proximity to Syria is wanted. Cyprus is clearly indicated, also Cyprus is the most easterly Mycenæan land—

the nearest to Egypt—in the position which we require for Keftiu.¹ But that "Keftiu" did not mean to the Egyptians Cyprus alone is made very probable by the discovery, made this year by Mr. A. J.

of the corrupt Ptolemaic form to  and  gives us the correct XVIIIth Dynasty form of the name,     , *Iantānai*.

¹ W. M. MÜLLER (*loc. cit.*, p. 344) notes that Mennus (  ) or Maulnusa (    ) is mentioned in connection with Keftiu. This place is apparently Μάλλος (Μάρλος) in Cilicia. This leads him to identify Keftiu with Cilicia generally, but he says: "die Kupferbarren unter den Geschenken der Keftoleute bezeugen, dass Cypern in den Namen Kefto einbegriffen war." On Keftian names which are known to us, see Addenda, p. 321.

Evans, of frescoes in the Mycenæan palace at Knossos in Crete which show, as has already been mentioned (p. 54), that the Mycenæan Cretans were certainly "Keftians." It is then probable that *Keftiu* was a general name for the whole northern coast of the Mediterranean, ranging from Cyprus through Pisidia and Lykia as far as Crete. This explanation would tally with the meaning of the name "Keftiu," which is an Egyptian word signifying "At the Back of" or "Behind"¹—i.e., *Keftiu* was the "Hinderland," "the country at the back of" the "Very Green" or Mediterranean Sea, no doubt synonymous with "at the back of beyond" to the Egyptian! It is more probable that the Keftiu who came into contact with Egypt were Cypriotes than Cretans; they exported copper to Egypt, and they are usually mentioned in conjunction with the Syrians, which would hardly have been the case if they had been Cretans and Cretans only. Also the Egyptian monumental evidence makes it probable that Cyprus was the only Mycenæan land with which the Egyptians can have come into direct and immediate contact at that time.

At Karnak the god Amen addresses Thothmes III. in inflated language thus: "I have come, I have given to thee to smite those who live in the midst of the Very Green with thy roarings . . . the circuit of the Great Sea is grasped in thy fist. . . . Keftiu and Asi are under thy power. . . ." Here we need not

keftiu, *keftiu*.

BRUGSCH, *Wörterbuch*, p. 1493; App. p. 1276.

assume a knowledge of the *Ægean* Islands, but only of Cyprus and of the south coast of Asia Minor,¹ which to the Egyptians no doubt appeared to be a series of islands, much as the Antarctic continent appears on our maps at the present day. To deduce from the high-flown language of this "hymn" an Egyptian hegemony over the *Ægean* Islands and even over continental Greece itself in the days of Thothmes III. is absurd; all we can deduce from it is that the Egyptians had in his time come into close contact with the northern tribes, who, as we see from the paintings in the tombs already mentioned, were "Mycenæans," who probably lived in Cyprus and the neighbouring lands to the westward. And though the great official Tahuti, who lived in the same reign, is styled "Governor of the Northern Countries, Set over All the Lands and Isles in the midst of the Very Green," we, knowing the almost Chinese grandiloquence of the Egyptian "official style," cannot see in him anything more than a mere "Introducer of Northern Ambassadors." We have

¹ At this time "The Isles of the Very Green" can no longer have meant merely the coasts of the Delta.

² Keftiu certainly was not, for though the Keftiu are described as bringing tribute (*lit.* "things brought"), "since they love to exist by means of the emanation of His Majesty" Thothmes III., such "tribute" does not imply any real Egyptian suzerainty; when Lord Amherst's embassy went to Peking it was preceded by officials bearing placards inscribed "Ambassadors with Tribute from the country of England."

We see, then, that many of the Mycenæan-looking objects brought to Egypt by the Mycenæan Keftiu probably came from Cyprus, and no doubt many from



FIG. 48.—Ceiling of the "Treasury of Atreus," at Mycenae
(Egyptian design).

Crete also. Certain indications observed in Greece would seem to show that at this time Egyptian influence had extended as far as the chief seats of Mycenæan civilization. The Egyptian influence evident in the Cretan script, the whole art of

plifications of Egyptian designs. We can, therefore, have little doubt that the middlemen who brought Mycenæan wares from Cyprus to Egypt and Egyptian wares to the Mycenæans at this time were the Phœnicians. The chief entrepôt where exchange took place must have been Cyprus, though, no doubt, Phœnician ships often got as far west as Crete. The Phœnician ships which took part in this trade are mentioned in an Egyptian inscription¹ as "Keftiu-ships"—*i.e.*, ships which go to Keftiu, like our "East Indiamen."

But it may be objected that we have at Gurob in Egypt traces of a settlement of foreigners who used Mycenæan vases, which dates to the time of the XIXth Dynasty (about 1350-1200 B.C.);² the name of one of the foreigners buried at Gurob is An-Tursha; the latter part of this name is the ethnic appellation of the Mediterranean tribe of the Tursha or Thuirsha, which we have already mentioned; this tribe must have been comprised within the circle of Mycenæan civilization; therefore the foreigners at Gurob who must have been Thuirsha were Mycenæans, and probably brought to Egypt the Mycenæan objects which

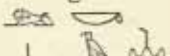
be accounted for on the supposition that the Egyptian scribe was transliterating from a cuneiform original and had inadvertently transliterated the cuneiform city-sign *-ki* with the name *Salames*. But it would be a strange mistake for any one familiar with cuneiform to make.

¹ BRUGSCH, *Egypt under the Pharaohs*, i. p. 336. When Brugsch wrote his history, he believed, as did all other Egyptologists, on the authority of the Ptolemaic antiquaries, that Keftiu was Phœnicia.

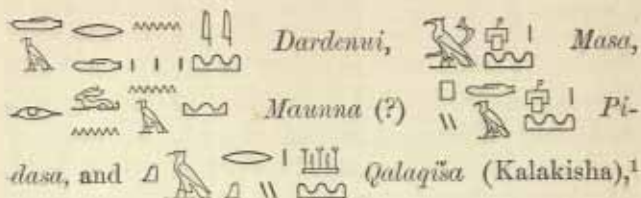
² PETRIE, *Illahun, Kahun, and Gurob; Kahun, Gurob, and Hawara*.

are found there. Now there were only two graves of foreigners found at Gurob, those of the officials Sadi-Amia and An-Tursha; in neither of these graves were any Mycenæan objects found. To suppose, therefore, that because An-Tursha was presumably a Mycenæan, the people in the other graves were Mycenæans, and further that the Mycenæan vases in their graves were brought to Egypt by these same "Mycenæans," is impossible. If we may modify the simile of Steindorff,¹ we might with equal reason conclude that the Japanese porcelain in the house of a Londoner who lives near the Japanese Legation not only proves its owner to be a Japanese, but also shows that he himself imported it from Japan. We have no reason to suppose either that the people in whose graves Mycenæan vases were found at Gurob were not Egyptians, or that the vases in question were brought to them by anybody except Phœnician traders.

It may, however, be urged that since the Thuirsha and other Mediterranean tribes who had relations with Egypt at this time apparently lived in the *Ægean* and on the Anatolian coast, and were great sailors, the possibility of their having imported Mycenæan objects into Egypt cannot be overlooked. Who were these tribes and what is the connection between them and the Mycenæan culture?

In the war of Rameses II. against the Kheta (about 1300 B.C.) the  *Luka*,

¹ *Arch. Anz.*, 1892.



appear as allies of the Kheta. It seems on the face of it likely that these were warriors of

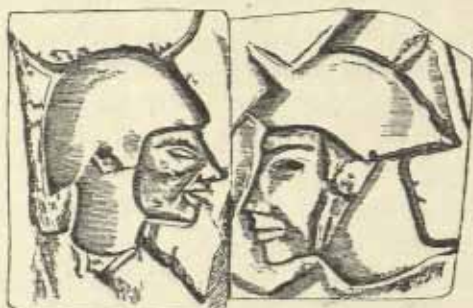


FIG. 50.—*Sardina* (Sardians) of the XIIth century B.C. (Thebes.)


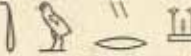
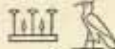

the Lykian, Dardanian, Mysian,² Pisidian, Kili-
 kian,³ and possibly Maeonian (?) races.

These identifications being accepted, we ought to
 have less difficulty in accepting the identification of the

¹ For references *v.* W. M. MÜLLER, *loc. cit.*, p. 354; chiefly *H. I. H.* and *Pop. Sallier*.

² Μυσοὶ ἀγγεμαχοὶ (*Il.* xiii. 5). It does not much matter whether they were settled in Thrace or in Asia at this time.

³ The Κίλικες were said to have inhabited Thebai and Lyrnessos in the Troad: other indications show that at one time this race spread right across Asia Minor (*cf.* *HDT.* v. 49, 52; passages quoted by *DEIMLING, loc. cit.* pp. 14, 15).


 Akaiunasha and  Thuirsha, who invaded Egypt in company with  Sardians,¹  Sagalassians?, and Libyans, in the reign of Merenptah (about 1250 B.C.),² with the Achai(v)ans and Tyrsenians, the latter being presumably Lydians, and so probably Mycenæans.

The identification of the Akaiunasha with the Achaians may stand.³ It is quite possible that these Achaians came from the Ægean, perhaps from Crete; Prof. Sayce, however, prefers to regard them as Cypriotes. The identification of the Thuirsha with the "Tyrsenoi" of Lydia is, however, open to

¹ These people, who were far more probably Sardians of Lydia than Sardinians (!), are first mentioned, as *Sirdana*, as mercenary troops serving in Palestine during the fifteenth century B.C. (WINCKLER, *Tell el-Amarna Letters*, 64, 77, 100). They were afterwards greatly in favour in Egypt as royal guards. Cf. note to Fig. 50 in List of Illustrations.

² The inscription of Merenptah is published in DÜMICHEN, *Histor. Inschr.* i. 2-6; *Ä. Z.* 1881, p. 118.

³ It is accepted by W. M. MÜLLER, *loc. cit.* p. 371. The objection that the name ends in *-sha* is of no weight in view of the fact that the Egyptians called the ΚΑΛΙΣΣΑΙ "Kalaki-sha" (see further, p. 178), and the representation of Greek χ by Egyptian q is paralleled by the Assyrian representation of ΚΑΛΙΣΣΑΙ as Khilakku (*Hilakku*). It has also been objected that these tribes were circumcised, and so were not Greeks; this objection has been shown by W. M. MÜLLER (*P. S. B. A.* 1888, p. 147 ff) to be founded on a mistranslation of an Egyptian word: these tribes were uncircumcised.

grave objections. We have no proof that such a people ever existed. We have already remarked that certain resemblances in religious ritual and in costume between Asia Minor and Etruria are noticeable.¹ If we grant that these resemblances are not mere coincidences, the criticism of the Herodotean legend of the wandering of Tyrsenos from Lydia which considers the whole story to have arisen from the likeness of the name of the Lydian "Torêboi" to that of the Tyrrhenians² would be considerably shaken. But, on the other hand, a migration from Lydia is rendered doubtful by the fact already noted, that the descent of the Etruscans from Central Europe across the Po Valley to Etruria is said to be plainly traceable. On this account the Etruscan culture is sometimes brought to Asia by means of a Tyrrhenian migration, of which traces remained in Lemnos and in Thrace; and these Ægean Tyrrhenians are considered to have been the "Thuirsha" of the Egyptians. But the famous sixth-century "Etruscan" inscription of Lemnos³ is not Etruscan at all, but Phrygian,⁴ and the Tyrrhenians mentioned by Thucydides (iv. 109) as living in Thrace may either have first come there in post-Mycenæan times (in which case the peculiar Oriental elements in the Etruscan culture may be no older than the ninth or tenth century), or may be merely the result of a vague identification on the part of the historian of the Pelasgian inhabitants of the

¹ P. 102, *ante*.

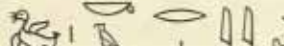
² STEIN, ad HDT. i. 94.

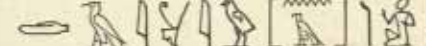
³ PAULI, *Vorgriechische Inschrift aus Lemnos*.

⁴ KIRCHHOFF, *Studien*, pp. 54 ff (4th ed.).

Thracian coast with the Etruscans, whom they no doubt resembled, inasmuch as both belonged to the non-Aryan stratum of the Mediterranean population. Since then it is doubtful whether there ever was such a tribe as these "Eastern Tyrrhenians," we cannot identify the Thuirsha with them. The old identification of the Thuirsha with the Etruscans of Italy may be dismissed at once; it is as improbable as the other old identification of another of these tribes, the Uashasha, with the Oscans, and there is no need to go so far afield: the Thuirsha were far more probably a Cilician tribe, inhabiting the district of Tarsus.

In the reign of Rameses III. we have a third series of Mediterranean tribal names in the records of the second attempted invasion of Egypt by the Northerners (between 1200 and 1150 B.C.).¹ Among them, besides the *Pubusatha* or Philistines, who have already been discussed in chap. v., and the *Uashasha*, mentioned

above, we find  T'akarai

(Tchakarai) and  [Tchakarai]

Daânâu[na].² *Δαυαοὶ* was a very ancient ethnic appellation of the Greeks, and no doubt originally denoted a single tribe, as *Ἀχαιοὶ* and *Ἕλληνες* originally did. We should have really little reason to refuse to recognise in the Danauna a tribe

¹ *Great Harris Papyrus*, 76, 7; inscriptions at Medinet Habu (DÜMICHEN, *loc. cit.* II. 46; GREENE, *Fouilles à Thèbes*, pl. II.).

² The forms *Daânâu* and *Danauna* are both found.

of Dansans, did not the Tell el-Amarna letter No. 151 (London, 30) mention *Danuna* as a tribe of Canaan. This, however, was probably merely an isolated settlement, like that of the Tchakarai at Dor. If so, it shows that these tribes had begun to press southwards towards Egypt as early as 1400 B.C. The Danuna were certainly not a purely Canaanitish tribe. The *T'akarai* have been identified with the *Τευκοί*, the well-known tribe of the



FIG. 51.—*T'akarai* (Cretans?) of the XIIIth century B.C. (Thebes.)


northern Asiatic coast of the Ægean. But the name *Τευκοί* does not appear in Greece, even in the Homeric period; it is first mentioned by the poet Kallinos,¹ and so it is possible that the Teukrians had not yet reached the Troad in Mycenaean times, but were still in southern Asia Minor or elsewhere.

Now the name *Τευκρός* was also connected with Crete; the Troic Teucer was said to have come thence.²

¹ GROTE, *Hist. Gr.* i. p. 279 (1856 ed.).

² VIRG. *Æn.* iii. 104 ff.

And we have various indications, both in place-names and in religious custom, of special connection between the Troad and Crete. Now the *T'akarai* are always mentioned by the Egyptians in the same breath with the *Pulusatha* or Philistines, and, as has already been mentioned (p. 135 n.), they founded settlements on the Palestinian coast to the north of Philistia. That the Philistines came from Crete is very probable (v. p. 135 n.). Is then the name *Τευκροί*—really of Cretan origin, and did the *T'akarai* who invaded Egypt in company with the *Κρηταιγενεὺς* Philistines, and settled at Dor, originally come from Crete as well as the *Τευκροί* of the Troad? The possibility that the *Daanau* or *Danuna* were *Δαναοί* of the *Ægean* becomes thus greater. The inscriptions of Rameses III. (nearly 400 years after those of Thothmes III.) speak of the Danauna "in their isles." It is probable that the islands of the *Ægean* are now meant. The *Uashasha* may very well have been of Cretan or *Ægean* origin also. So that I do not think I can be accused of being oversanguine if I identify the Uashasha (*Waašāša*,

 with the people of *Ῥάξος* (*Waxos*), the *Ῥαξός* of Herodotos¹ and *Ῥάξος* of later days, a prominent city of Crete. This is more probable than the absurd identification with the Oscans. The tribes who attacked Egypt in Rameses III.'s time were then quite possibly all Cretans.

What is quite certain about these tribes is that

¹ iv. 154. *Ῥάξος*, *C. I. G.* 3050.

This would bring the entire Byzantine to 1150-1200
bc. (3)

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the majority of them inhabited the southern coast of Asia Minor from Cilicia to Lykia and probably also Rhodes, Crete and the Ægean lands generally. Their lands lay *west* of Kheta and Alashiya; in an inscription of Rameses III., more fully quoted in a note, p. 182, below, they are spoken of as coming from the "isles," subduing Kheta first, and then Cyprus and Phœnicia; so there is nowhere else to put them.

A great objection to the identification of these names with those of the Mediterranean tribes mentioned has been the presence of the curious suffixes *-sha* (*-sa*) and *-na* which are tacked on to them. It may be possible to explain these suffixes. It must be remembered that, although the Akaiuasha were probably Aryan Greeks, the majority of these tribes were Cretans and natives of Asia Minor, and so probably belonged to the old Pelasgic population. It is, therefore, probable that their names and those of their Hellenic allies would reach the Egyptians in a "kleinasiatisch" form. Now in Lycian two of the commonest nominal suffixes were *-azi* or *-āzi* and *-āna* or *-āni*. The Stele of Xanthos speaks of the Spartans and Athenians as *Spartazi Atānazi*: on the Bilingual of Tlos Τλωεύς = *Tluāna* and ἐκ Πινάρων = *Pillāni*. In the same way *prāna* = house, *prānāzi* = οἰκέτοι (cf. Kretschmer, *loc. cit.* pp. 311 ff, 329). A similar form, used only in place-names, is *-aza*, *-asa*. Lycian names ending in *-āzi*, *-aza*, &c., when transliterated into Greek end in *-ασσις*, *-ασσις*,

Lycians are Aryan of the North of here 207

-ασσοϛ, -ασσα, &c. The original forms of *Akaiu-asha*, *Kalaki-sha*, *Shakal-asha*, *Thuir-sha*, *Uash-asha*, *Danau-na*, *Shardi-na*, may therefore very well have been something like **Akaiwazi* (or **Akaiwaza*), **Kalikiazi*, **Shakalazi*, **Thuirazi*, **Wawazi*, **Danauina*, **Shardiina*, the suffix being in each case merely the Lycian nominal. In the inscription of Rameses III. the Danauna are called simply *Daanau*. If the Shakalasha were the Sagalassians,¹ a supposition which seems in every way probable, *-asha* would seem to represent *-ασσοϛ*, which is certainly the Lycian *-asa*. The *-sha*-form of the name of the Libyan tribe of the Mashauasha, who were allied with some of these tribes in their attacks on Egypt, may be due to their being confused with them by the Egyptians, or may show that the name reached the Egyptians through a "kleinasiatisch" medium. If they were Maxyes, the *-sha* is certainly here also a suffix.

Our general conclusion with regard to these names then is that it is probable that the *Akaiu-asha*, *Danauna*, *Dardenui*, *Masa*, *Shardina*, *Luka*, *Shakalasha*, *Pidasa*, *Kalakisha*, and *Pulusatha* were Achaians, Danaans, Dardanians, Mysians, Sardians, Lykians, Sagalassians, Pisidians, Kilikians, and Philistines (of Cretan origin); while the *Uashasha* were very probably Axians from Crete, and that their companions the *Takarai* were also

¹ This identification was first made by MASPÈRO, *Revue Critique*, 1880, p. 109 ff. In the Addenda, p. 322, *post*, will be found a note giving the names of the original proposers of many of the identifications accepted above.

Cretans of the Teukrian name seems a suggestion more likely than any other. For the *Thuirsha* no identification can be suggested except a very doubtful one with the Tarsians (?), and we do not know if the name *Maunna* is correctly so read. And so, perhaps, the warriors of the Akainasha, the Danauna, and the rest, to whom Zeus had indeed given it "from youth even unto age to wind the skein of grievous wars until every man of them perished,"¹ were the representatives in the second millennium B.C. of the historic peoples whose names they seem to bear. And at this time these tribes must have been comprised within the circle of Mycenaean civilization.² But this does not show that they carried on a regular and established trade in Mycenaean objects with Greece, though no doubt they

¹ *Il.* xiv. 85.

² It may be noted that the feather headdress of these tribes, as depicted on Egyptian monuments, is the same as that which the Lykians wore at Salamis (*Hdt.* vii. 92), and that which the Ionians appear on Assyrian bas-reliefs as wearing. This feather headdress also appears worn by warriors on a geometrical vase-fragment from Mycenæ (published by WIDE, *Jahrb. Arch. Inst.* xiv. p. 85), and by a warrior armed with an axe on a carved ivory draught-box from Enkomi in Cyprus (published by MURRAY, *Excavations in Cyprus*, p. 12, Fig. 19). Dr. Murray's conjecture that this is a specimen of the Mæonian or Karian work mentioned in *Il.* iv. 141 is very apposite. We thus find examples of this feather headdress worn by tribes of the Aegean and southern coast of Asia Minor in the XIth, VIIIth, VIIth, and Vth centuries B.C. The peculiar waistcloths of these tribes on the Egyptian monuments of the XIIIth-XIIth centuries are Mycenaean; their way of shaving the upper lip is Greek. But their shields are rather Homeric than Mycenaean, being round; their swords seem often to have been of Egyptian type (the bronze weapons from Crete are Egyptian in type), but those of the Shardina are broad-bladed and thoroughly European and "Mycenaean."

brought a few of their household gods with them thither. They were sea-robbers, not bagmen. The inscription of Merenptah speaks of the Mediterranean rovers as "foreign soldiers of the Libyans," whom "the miserable Libyan had led hither" (l. 13), "fighting to fill their bellies daily" (l. 23): *i.e.*, they were mere wandering mercenaries, like their descendants in the days of the Ptolemies. So we are compelled to fall back upon the Phœnicians as the sole possible intermediaries between the Mycenæans and Egypt.

Those writers who considered that the Ægean rovers alone brought to Egypt the Mycenæan objects which are found in that country seem to be of opinion that they sailed direct from Crete to the African coast, adducing their alliance with the Libyan tribes as a proof of this. It is, of course, possible that in Mycenæan days vessels may occasionally have adventured the direct passage from Crete to Africa, for we know that nowadays very small craft run across the open sea from the Indian coast to the Gulf of Aden, and the ancestors of the Maoris came from Hawaiki across wide stretches of sea in open canoes. But it is difficult to suppose that a regular connection between Crete and Africa across the open sea ever existed until the classical period. We have already seen the geographical and other improbabilities of such a connection in discussing the relations between Greece and the East in *præ*-Mycenæan times. We have nothing to show that the Mycenæans were bolder sailors than the primitive tribes who preceded them or the Homeric

Earlier he says
there is nothing
to show that

the *præ* Mycenæans were
bolder than the Mycenæans

Greeks who followed them. The ships of the Pulusatha, judging from the Egyptian representations of them, look almost too frail and small to be trusted in the open sea. It is very probable that the Ægean tribes did not come into touch with the Libyans until after they had coasted along the shores of Palestine and Egypt. We know that the second (and apparently chiefly Cretan) expedition against Egypt, in which the Pulusatha (Philistines) joined, did reach Egypt by this route, and not direct from Crete; this expedition appears to have been defeated by the Egyptians off the Phœnician coast.¹ And if these adventurous rovers hugged the land all the way to Egypt, it is very probable that the "Mycenæan" traders did the same as far as Cyprus, and there handed over their goods to the Phœnicians for further

¹ This expedition came partly by land, partly by sea, from the interior of Asia Minor into Palestine. The inscription of Rameses III. says: "The Isles were restless: disturbed among themselves at one and the same time. No land stood before them, beginning from *Khetu*, (and including) *Kefti* (the Palestinian coastland), *Qerqameša* (Carchemish), *Arēhut*, and *Alesa* (Alashiya; Cyprus). They destroyed [them, and assembled in their] camp in one place in the midst of *Amur* (Amurru; Palestine)." (Text published by GREENE, *Fouilles*, pl. 2.) This indicates their origin and the route by which they reached Egypt clearly enough. The inscription of Merenptah says that the Libyans, to whose assistance the first expedition of the *Mehti* (Northerners) came, had long been in possession of the Delta. We know that Libyans (*Thehennu* and possibly *Ha-nebu*?) were in the Delta as early as 3500 B.C. We are quite justified, therefore, in regarding the Libyan allies of the Mediterranean tribes as inhabitants of the lowlands at the mouths of the Nile. There is therefore, no need to go so far afield as Lake Tritonis in order to show relations between Western Libyans and prehistoric Greeks; it can only have been the Libyans of the Delta who ever came into contact with them.

shows as though it forms a Cretan route, have been great after their language, the Philistines, were settled in Asia

shipment to Egypt, accompanied occasionally by specimens of the makers of these objects such as the "Great Men of Keftiu and of the Isles in the midst of the Very Green," who are depicted on the walls of Theban tombs of the fifteenth century B.C.

While thus insisting on the pre-eminence of Cyprus as mediator-in-chief between Greece and Egypt in the Mycenaean period, there is no need to belittle the importance of Crete as a factor of Mycenaean culture. It is very possible, as will be seen in the next chapter, that Crete and the neighbouring islands were the cradle of Mycenaean art; but it cannot be conceded that it is in any way probable that Crete was the chief medium of communication between the rest of Mycenaean Greece and Egypt. Some of the Mycenaean objects found in Egypt may have come from Crete, but only by way of Cyprus and the Palestinian coast. If Mycenaean Crete was so closely connected with Egypt, how is it that none of the sealstones, so characteristic of the Mycenaean age in Crete, have ever been found in conjunction with Mycenaean objects in Egypt? X

The influence which was exercised by Egyptian culture generally on the development of that of Mycenæ was great. The question of the debt which Mycenaean Greece owed to Egypt in the matter of metal-working will be more conveniently discussed in the next chapter; it may, however, be here noted that Mr. Myres is of opinion that the weapon-forms peculiar to Crete show marked resemblances to X

Egyptian forms: this would be attributable to strong Egyptian influence.

Of late several writers have seemed to incline towards the view that Mycenaean art influenced that of Egypt more than Egyptian art that of Mycenæ. This view would seem to be erroneous. It is, of course, easy to exaggerate the extent of oriental artistic influence in Mycenaean Greece: Professor Helbig, for instance, exaggerates it enormously. This naturally provokes a reaction. But this reaction has now progressed so far that an attempt is being made to prove that Mycenaean influence practically dominated the less trammelled forms of Egyptian art under the XVIIIth and XIXth Dynasties. Eventually it will, no doubt, be asserted by somebody that the whole naturalistic development which marked Egyptian art at the end of the XVIIIth Dynasty was of Mycenaean origin. Did we not know that the foreign queen Thii, the consort of Amenhetep III., and her son Khuenaten, under whose auspices this development sprang up, were of Armenian descent,¹ we might confidently expect them to be claimed as Mycenæans! Any naturalistic design on an Egyptian kohl-pot, ivory casket, or other object, is dubbed "Mycenaean": the occurrence of a lion, a bull, a deer, or other animal in active movement in an Egyptian design of this kind is held to be proof positive of Mycenaean influence. But these designs are purely Egyptian: it is a mistake to suppose that Egyptian art was in all its branches stiff and formal.

¹ Thii apparently came from Mitanni, the Matiène of the Greeks (cf. PÉRIE, *History of Egypt*, ii. p. 182).

Naturalistic designs for the ornamentation of *articles de luxe* were constantly in use under the XIIIth Dynasty, and the adoption of such freely conceived designs for toilet-boxes, mirror-handles, spoons, &c., in wood and ivory under the XVIIIth Dynasty was merely a revival and development of the ordinary custom under the XIIth. In the reign of Amenhetep III., which marked the most flourishing period of Egyptian culture and power, this naturalism was further developed, till under Khuenaten it burst forth into complete freedom, even invading the domains in which the hieratic canon in artistic matters had hitherto remained supreme; the walls and pillars of the palace and houses of Tell el-Amarna show what the Egyptian artist could do when freed from his fetters. All these designs, which are so confidently claimed

as showing Mycenæan influence, are then in reality products of a purely Egyptian artistic development: it is far more likely that Mycenæan naturalism was influenced by that of Egypt than that the reverse was the case. So that, while Egyptian art can be shown to have exercised a marked influence upon that of Mycenæan Greece, Mycenæan artistic influence in Egypt can hardly be shown to have effected much more than the



FIG. 52. — Blue glazed ware
Bügelkanne, made in Egypt;
c. XIIIth century B.C. (Brit.
Mus. Eg. Dept. No. 30,451.)

temporary introduction of the "Bügelkanne" or false-necked vase, which was manufactured in

Egypt for about 200 years. Though many other Mycenæan vase-forms must have been well known in Egypt for some centuries they do not seem to have influenced the native pottery to any extent. Subjoined is an engraving of an Egyptian blue glazed vase, dating to about the time of the XIXth Dynasty, made in imitation of a Mycenæan form (Fig. 53). The gem-engraving and gold-work of Mycenæ found apparently such little favour in Egypt that they were not imported: their influence on these departments of Egyptian art is *nil*. Apart from the Cretan pictographs, which certainly seem



FIG. 53.—Blue glazed ware Vase, made in Egypt in imitation of a Mycenæan form; c. XIIIth century B.C. (Brit. Mus. Eg. Dept. No. 22,731.)

to show signs of strong Egyptian influence, the most striking example of direct Egyptian influence on

*Probably
religion
by means
of symbols
— 1911*

Mycenæan art which can be instanced is that of Mycenæan fresco-painting, which evidently owed its whole inspiration to Egyptian frescoes. Even the conventions are of Egyptian origin; *e.g.*, the flesh of the men is red and that of the women white. In the drawing of the Knóssian frescoes we note that the artist has seen the impossibility in the Egyptian convention, according to which a profile figure has the upper part of its body from waist to shoulders full-face, and has tried to represent the figure as he really saw it, without much success: the influence of the Egyptian convention was too strong. We must not exaggerate the significance of his attempt, or begin to think that the Mycenæan artist was better than his Egyptian master; in spite of its vigour, Mycenæan fresco-painting has faults of drawing, such as impossibly small waists, long legs, &c., of which no Egyptian artist could possibly have been guilty. Two well-known examples of direct Egyptian



FIG. 54.—Mycenæan Vase of the type partly imitated by Fig. 53. (From Ialysos.)

influence are the ceiling of Orchomenos and the design of the hunting-cats on the inlaid swordblade from Mycenæ. Had these been found in Egypt we should without much question have dated them to the period of the XVIIIth–XIXth Dynasties; their originals were certainly of that age, whether the

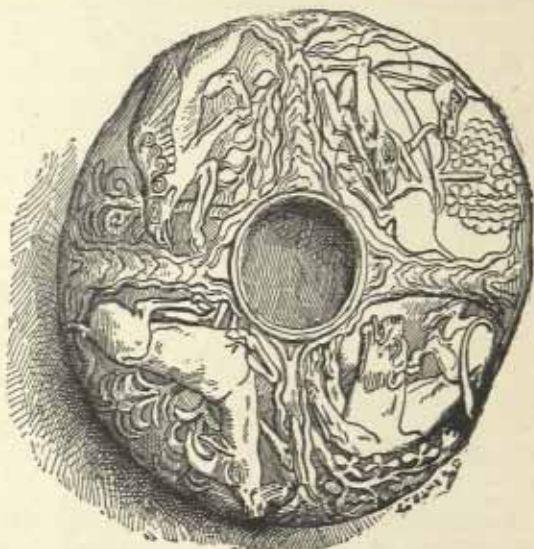


FIG. 55.—Carved wooden object of Mycenaean style, found in Egypt. (Berlin Museum.)

Mycenaean adaptations be as old or no. The frescoes of Knôssos are certainly more or less contemporary with the reign of Thothmes III., and there is no reason why the frescoes of Mycenæ and Tiryns should not be as old, while those of the Third City at Phylákopé are probably older. So the Egyptian influence which is so marked in these frescoes must have begun to

modify the indigenous ideas of painting at least a century or two before; *i.e.*, not later than 1700 B.C. It has also been supposed that the inlaid metalwork of Mycenæ was of Egyptian origin, and comparisons have been made with the inlaid dagger of Queen Aâhhetep (B.C. 1650). But the technique does not seem to be the same, and it seems very probable that this wonderful Mycenæan inlaying, which the Homeric Greeks regarded as the work of gods, was of indigenous origin. In the swordblade with the design of the hunting cat we have then an Egyptian design carried out by Mycenæans in Mycenæan work. It is interesting to note how different is the result from a Phœnician copy of an Egyptian design. The Mycenæan copy is not a mere slavish and unintelligent, and therefore grotesque and ugly, imitation, as a Phœnician copy would have been; it is an intelligent adaptation, swiftly seizing the main points of the Egyptian original and translating it into a Mycenæan work of art.

Marked as Egyptian influence on Mycenæan art was, it in no way modified the essentially European aspect of that art. The palm-trees on the Vaphio cups point to Egypt for their origin: but the spirit of the whole design in which they are an accessory to the main idea, and its execution, are totally unoriental, they are truly "Mycenæan"; that is, they are Greek.¹

¹ v. BISSING (*Jahrb. Arch. Inst.* 1898, p. 50) notes as to the extent of Mycenæan influence in Egypt: "Es ist ja unbestreitbar dass die mykenische Kultur . . . Agypten in ihren Bereich

gezogen hat : aber wie gross man ihren Einfluss auch schätzen mag, es ist immer nur ein bestimmter Ausschnitt aus dem Formenschatz, der uns in Griechenland lückenlos vorliegt, den wir treffen. . . . Von mykenischen Bronzen, Elfenbeinschnitzereien, von Gold- und Silbersachen ist keine Spur ; nicht eine mykenische Terracotte hat sich meines Wissens gefunden, Inselsteine fehlen auch. Bügelkannen, Büchsen, "Pilgerflaschen," überwiegen bei weitem, nach den mehr als hundert Vasenformen des Mutterlandes sieht man sich vergebens um. Wohl haben Beziehungen zu Ägypten bestanden, aber nichts spricht dafür, dass diese so eng waren, wie sie zwischen Ägypten und seiner Provinz Syrien gewesen sind." (He goes on to show that this makes it quite impossible that the home of the "Mycenæan" culture was Syria, as Helbig wishes to prove.) But in his article on an Egyptian wooden box carved with a representation of *ταρροκαθύια* (*Ath. Mitth.* xxiii. 1898, p. 242 ff) he greatly overestimates Mycenæan influence on Egyptian art. There is nothing in the "Holzgefäss" in question which betrays any sign of Mycenæan influence. On the Egyptian art of the XVIIIth Dynasty, v. STEINDORFF, *Die Blütezeit des Pharaonenreiches*, Leipzig, 1900.



FIG. 56.—Top of an Egyptian alabaster Vase, made in imitation of a Mycenæan *Bügelkanne*. (Brit. Mus. Eg. Dept. No. 4656.)

VII

MYCENÆ'S PLACE IN HISTORY

GREAT as may have been the influence exercised upon it by the civilizations of the East, the "Mycenæan" culture always retained its predominantly European character: it belonged not to the East, but to the West, and was in fact simply the Greek phase of the general European civilization of the Bronze Age.

It has appeared necessary in Chapter I. to point out with some emphasis the essentially uncertain character of the "science" of prehistoric archaeology, and the weaknesses which naturally result therefrom. But it must not be supposed that the main fact of the development of prehistoric European culture, from the Stone to the Iron Age, need in any way be doubted on that account.

All we can say is that during a period of time of unknown length the peoples of Europe possessed a generally identical though locally varying culture, the distinguishing mark of which was the use of bronze. This European Bronze Age culture developed directly out of that of the earlier Stone Age; in extra-European countries this order of development is not necessarily found. In some regions of Europe, as in Hungary, a period of transition between the Ages of Stone and Bronze

elapsed, in which the simple copper was used.¹ In Central Europe the Age of Bronze seems to have ceased about 800 B.C., and was followed by a period, well exemplified in the deposits of Hallstatt in the Salzkammergut, during which both iron and bronze were equally in use.²

The relation of the prehistoric civilization of Greece to this general European culture is quite clear: the præ-Mycenæan and Mycenæan cultures are simply the earliest and middle phases of the general European culture of the Bronze Age as they were represented in the Ægean and Eastern Mediterranean basins: the præ-Mycenæan culture was stone and copper-using, so that a "Chalcolithic" period existed in the extreme South as well as in Central Europe; the development of the Mycenæan out of the præ-Mycenæan culture is the development of the Greek civilization of the Middle Bronze Age out of that which existed in South-eastern Europe and Asia Minor during the transition period between the Ages of Stone and Bronze.³

The culture of the Greek Age of Bronze in many respects far outstripped the corresponding culture of Central Europe and Italy, and certainly exercised

¹ Cf. generally MUCH, *Die Kupferzeit*. Much fails to prove the universality of the "Copper Age": cf. GOWLAND, "Early Metallurgy of Copper, Tin, and Iron in Europe," in *Archæologia*, lvi. p. 303.

² Cf. v. SACKEN, *Gräber von Hallstatt*; NAUÉ, *L'Époque d'Hallstatt en Bavière*. The archaic Greek bronzes of the Geometrical period found at Olympia (FURTWÄNGLER, *Bronzefunde von Olympia*) enable us to describe this period as the "Hallstatt-Epoch of Greece."

³ Cf. UNDSËT, in *Zeitschrift für Ethnologie*, xv.; and others.

considerable influence upon the artistic development of the latter.¹

The ultimate cause of the peculiar Hellenic development of European civilization was the geographical position of Greece, which brought the Hellenes into close contact *from the beginning* with the entirely alien and at first more highly developed culture-systems of Babylonia and Egypt. Greek civilization was the result of the initial collision and subsequent constant friction of West and East in the Eastern Mediterranean.

The shock of the first collision was felt throughout Europe: through the medium of Greece oriental influence seems to modify the general European development almost in its beginnings, in Central Europe as well as in præ-Mycenæan Greece and Asia Minor. But the supposition that the whole impetus to the development of European civilization was originally communicated from the East through the medium of præ-Mycenæan Greece is unnecessary: the idea, for instance, that the knowledge of metal-working, which enabled European culture to develop, reached the inhabitants of Greece first of the European nations from the East, and then spread over Europe, is directly contrary to all probability. Such a view of the origin of European metal-working much exaggerates the debt which European civilization owes to the East.

Both lead and silver seem to have been known to the primitive islanders of the Ægean as early as the

¹ Cf. WIDE, *Nachleben mykenischer Ornamente*, in *Ath. Mitth.* xxii. (1897) p. 247 ff; and others.

oldest period of the præ-Mycenæan culture,¹ but it may be doubted whether gold was used in Greece until the proto-Mycenæan period; gold rings were found in the Theræan deposits. At no time does gold appear to have been much worked in Greece proper, and, as Professor Gardner has pointed out,² the Mycenæan gold probably came from Asia Minor, with which tradition closely connects the Mycenæan ruling houses of the Perseids and Pelopids,³ though, of course, there is no proof that the mines of Thrace and Thasos, possibly of Siphnos, were not yet worked.

In the Greek lands a "Copper Age" seems to have prevailed during the præ-Mycenæan period. Although traces of connection between Greece and the East are, as we have seen, not wanting at this period, yet they are hardly traceable before the use of copper had

¹ Cf. *Ann. Brit. Sch. Ath.* 1896-7, pp. 12, 50.

² GARDNER, *New Chapters*, p. 82.

³ That the Greek word χρυσός and the Assyrian *hurṣu* ("gold") have at least a common origin seems probable. *Hurṣu* is not, like the Assyrian expression for bronze, derived from a Sumerian (præ-Semitic) original: the Sumerian word for gold was *guškin*. In fact, *hurṣu* looks as if it were good Semitic, and were connected with a root signifying "to split open." But it seems improbable that the word χρυσός can have been taken over by the Greeks from the Assyrians by way of the Phœnicians: this would point to far too late a date for the inception of the word, since gold must have been known and named by the Greeks long before they ever came into much contact with the Phœnicians. A common origin in Asia Minor for both words is far more probable; and so the resemblance of *hurṣu* to 𐎶𐎵𐎺 would be a mere coincidence: the gold of the early Greeks was probably not mined, but apparently came from the river-washings of Asia Minor. (The poetical word 𐎶𐎵𐎺 , "gold," is probably merely *hurṣu* taken over and then erroneously regarded as a derivative of 𐎶𐎵𐎺 .)

become general, and it does not seem probable that the first idea of copper-working was derived by the primitive Greeks from Egypt or Babylonia, where at this period bronze had long been in general use. It is quite possible that the use of a simple metal, like copper, to replace stone originated independently in many of those parts of the globe in which it is easily accessible.¹ We may therefore regard the use of copper as having originated independently in Europe and in the East. In all probability the use of copper was first introduced into Greece by the "præ-Mycenæan" tribes at the time of their first migration into the Ægean basin; thereafter, however, the chief centre of the distribution of copper to the Greek world was probably Cyprus; it was probably in Cyprus that the great development of the use of copper, which is so characteristic of the earliest Greek phase of European civilization, first originated.²

¹ On this question cf. MUCH, *Die Kupferzeit*, p. 136 ff.

² Cf. MYRES, *Science Progress*, 1896, p. 347. But when Mr. Myres (*ib.* p. 349, and *Cyprus Museum Catalogue*, p. 17) speaks of the general European knowledge of copper as derived entirely from Cyprus, and of Cyprian types of weapons in Egypt under the IVth Dynasty, in Central Europe, &c., he is surely pressing the argument from similarity of type too far. If it is granted that the ceramic technique of pots from Transylvania resembles that of pots from Cyprus, how does this prove the knowledge of copper to have come from Cyprus to Transylvania? It might perfectly well be argued that the pots and the copper came from Transylvania to Cyprus. The only certain conclusion that can be drawn is that Transylvanians and Cyprians were at one time comprised in the same primitive copper-using circle of civilization, and that very possibly artistic ideas may have travelled from one community to the other. As to the place where these ideas originated or where copper was first used no conclusion can be drawn. MUCH considers that it was first mined

Bronze, however, probably did not originate independently in Greece or in any other part of Europe; the idea of an artificial amalgam of copper and tin or copper and antimony can in all probability have been derived only from a single source. Bronze seems to have been commonly used in Babylonia, at least as early as 3000 B.C.;¹ some time before this it first appears in Egypt,² but is not common there till a much later period. It seems very probable that bronze was first invented by the Sumerians,³ though independently in Cyprus and in Europe (*loc. cit.* p. 117). But it is probable that the knowledge of copper came to Cyprus from Europe, for this reason: the Stone Age is practically unrepresented in Cyprus; the earliest settlers seem to have been users of copper. The conclusion that they already used copper before their arrival, and that they at once utilized the abundant stores of the well-known metal which their new land offered to him, is natural. If the European knowledge of copper is to be derived from some one source (not a necessary supposition), Central Europe has a better claim to be that source than Cyprus, although Cyprus very soon became the chief producer of copper for Greece and Asia Minor, even for Egypt, for under the XVIIIth Dynasty the Egyptians probably got almost as much of their copper from Cyprus as from Sinai.

¹ The bronze statuettes of the Babylonian king Gudea date to about 2500 B.C., there are others without royal names but of earlier date. A bronze vase of the time of Ur-Gur (2800 B.C.) is mentioned by DE SARZEC, *Découvertes en Chaldée*, p. 26. The figures from Telloh with the name of Ur-Ninâ (c. 4500 B.C.), which are illustrated by DE SARZEC, *loc. cit.* pl. I. *ter.*, are of copper, not bronze, so that apparently in the fifth millennium B.C. Babylonia was still in her "Copper Age."

² The earliest specimen is a rod of bronze from Medum; date c. 3800 B.C. Bronze weapons of a primitive type are spoken of by DE MORGAN, *Recherches: Les Métaux*, p. 201, as coming from the early necropolis of Saghel el-Baglieh. Have these weapons been analysed? They are more probably copper.

³ Whence the Babylonians obtained their tin or antimony can of course, only be left to conjecture. The Babylonian

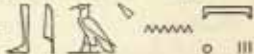
Virchow prefers to attribute the invention to the metal-working tribes of the Black Sea coast.¹ At some time between 2000 and 1500 B.C. the knowledge of bronze must have spread from Mesopotamia and words for "Copper" and "Bronze" are interesting, and a study of them would throw much light upon the history of bronze-working in Mesopotamia. In Semitic Babylonian (Assyrian) there are two words, *éru* and *siparru*, at first sight apparently meaning indiscriminately "copper" or "bronze." On examining passages in which these words occur, however, one gains the impression that *éru* really means copper, *siparru* more particularly bronze. If *siparru* means bronze, as opposed to simple copper, bronze would seem to have been known to the Sumerians before the Semitic invasion, for *siparru* seems to be derived from a Sumerian original, *zabar*.


¹ *Mith. Anthropol. Ges. in Wien*, xxx. p. 50 ff. Of course there is no proof obtainable of the derivation of the Egyptian knowledge of bronze from the Sumerians. In the same journal (p. 84) Prof. MONTELIUS says: "Die allerletzten Ausgrabungen in Ägypten . . . welche von Flinders Petrie und de Morgan veröffentlicht worden, haben uns die allerälteste Zeit Ägyptens vor der ersten Dynastie kennen gelehrt. Die zeigen, so viel ich sehen kann, dass die Ursprung der ägyptischen Cultur nicht in Ägypten, sondern in Chaldäa zu suchen ist. Weil aber das Kupfer in Aegypten mehr als 4000 Jahre v. Chr. auftritt, können wir sagen, dass das Kupfer noch früher den Chaldäern bekannt war." This is all quite fallacious. In the first place, although some points of resemblance may be remarked between the *archaic* Egyptian culture of the 1st Dynasty and the Sumerian or early Chaldean civilization, yet the *prehistoric* Egyptian remains, which are the remains to which Prof. Montelius is alluding ("vor der ersten Dynastie"), shew not the slightest resemblance to anything Chaldean; in fact the idea of the derivation of the whole of Egyptian civilization from that of the Sumerians is fast retreating into the background, and the essentially *indigenous* character of the primeval culture of the Nile-valley is becoming every day more evident. In the second place, if it were plain (which it is not) that Egyptian culture was derived from that of Chaldæa, it would not be possible to argue that if copper was known to the Egyptians before 4000 B.C., it must have been known to the Chaldæans at an earlier period.


from Egypt through Asia Minor and Cyprus to Greece, whence it passed to Italy and the rest of Europe.¹ In the case of bronze, therefore, the debt of Europe to Asia is obvious and undisputed. We have already seen that the introduction of iron into Greece may fairly be attributed to the Dorians. It would then seem to have originally come to Greece from the north, and not from Egypt, whence it is often considered to have been first derived. Iron was certainly known to the Egyptians at least as early as 3500 B.C. (when it appears named and depicted on the monuments in a manner which admits of no possibility of doubt as to its nature), and may have been known to them at an earlier period, perhaps even before the introduction of bronze into Egypt; we have no reason to suppose that in Egypt the knowledge of the metals passed through exactly the same consecutive stages of development as it did in Europe.² That iron objects were

¹ It is noticeable that the Greek word for the axe is apparently of Mesopotamian origin. The Semitic-Babylonian word is *pilakku*, which appears to be the original of both the Sanskrit *paraçu* and the Greek *πέλεκυς*.

² That it is impossible to speak of a "Bronze Age" or an "Iron Age" as having at any time existed in Egypt has been conclusively shewn by PIEHL, "Bronsålder i Egypten?" (in *Ymer*, 1888, p. 94 ff) in answer to MONTELIUS, "Bronsåldern i Egypten" (*loc. cit.* p. 3 ff), who unsuccessfully maintained the contrary opinion. In Coptic iron is called **ΒΕΝΙΠΕ**; the old Egyptian

word from which this is derived was 

or more shortly  (*bāa-n-pet*), i.e., "Iron of Heaven,"

the original word for "Iron" being the simple , *bā*. *Bā* is mentioned and is depicted as blue in colour in the Pyramid-

occasionally exported from Egypt to Greece in the Mycenaean period, or even earlier, is therefore quite possible; the iron rings found at Mycenæ and the

Texts of King Unas, about 3500 B.C. The earliest known specimens of iron from Egypt date to the same period (ERMAN, *Life in Ancient Egypt*, p. 461; the date as given by TSOUNTAS-MANATT, *Mycenaean Age*, p. 322, note 1, is all wrong); but even if we possessed no actual specimens of iron of this period, the testimony of the inscription of Unas would be enough to show that iron was already known to the Egyptians in the fourth millennium B.C.: the testimony of a single monument is worth more than that of finds of actual objects, which may often not really belong to the period to which, on account of the level at which they may be found in digging, they are thought to belong; the "Bügelkannen" depicted on the walls of the tomb of Rameses III. would suffice to prove the date of the Mycenaean period even if no Mycenaean remains had ever been found with Egyptian objects of the New Empire. PIEHL summarizes the proofs as follows (*loc. cit.*, p. 101):

1. "Vi känna fynd af jernsaker från det äldsta egyptiska riket." (We find iron objects of the age of the oldest Egyptian kingdom.)

2. "Vi träffa jernets namn på de äldsta egyptiska monumenter under förhållanden, som icke tillåta något tvivel om ifrågasvarande ords betydelse." (We meet with the name of iron on the oldest Egyptian monuments under circumstances which do not allow of the slightest doubt as to the meaning of the word in question.)

3. "Vi ega målningar från det gamla riket, i hvilka vapen, verktyg, och redskap äro målade med blått (eller svart), d. v. s. den färg, med hvilken jernet kännetecknas." (We possess paintings of the time of the Old Kingdom [*i.e.* approximately B.C. 4000-3000], in which weapons, tools, and instruments are painted blue (or black), *i.e.* the colour with which iron is indicated.)

His conclusion, with which it is impossible not to agree absolutely, is that "det Egypten, vi möta vid historiens morgengryning, lefde i jernåldern."

It may be added that iron ore is easily obtainable in Egypt; there were ancient mines at Aswân (*Catalogue des Monuments*, i. p. 139). The first iron used was doubtless meteoric, as is shewn

iron staff-handle (?) from Troy¹ may have come from Egypt. But it is evident that iron was not generally employed in Greece for the manufacture of tools and weapons until after the Dorian invasion, and so we may fairly consider it to have been first introduced into Greece for general use by the Dorians and from the north. In confirmation of this conclusion may be adduced the fact, pointed out by Mr. Gowland,² that the form of furnace used in southern Europe east of the Apennines can be traced through the tribes of Central Europe back to an origin in Central Asia, and has no connection whatever with the peculiar form in use in Egypt and Etruria and among the tribes of the Western Mediterranean.³

by the name "Iron of Heaven." The Egyptian idea that the firmament of heaven was of iron probably arose from its blue colour and from the fact of the occasional fall of meteoric iron from the sky.

¹ TSOUNTAS-MANATT, *loc. cit.* p. 321.

² *Archeologia*, lvi. p. 315.

³ Iron first occurs in the Fourth City at Lachish (? c. 1400 B.C.).

The Hebrew word בַּרְזֵל is simply the Assyrian *parzillu*, which does not seem to be a word of Semitic origin. Nor does it appear to be Sumerian: the Assyrians tell us of a Sumerian equivalent of *parzillu* expressed ideographically by means of the signs *AN.BAR*, but how the group *AN.BAR* was supposed to have been pronounced we do not know. Another equivalent—a *ἄραξ λεγόμενον*, by the way—reads possibly *BAR.GAL*, but this gives us no certainty that there ever was a Sumerian word *bargal* = "iron," which the Semitic Babylonians took over as *parzillu*. The Assyrians seem certainly to have been of the opinion that iron was known to the Sumerians (before 4000 B.C., presumably); iron objects which may date to the time of Gudea (c. 2500 B.C.) have been found at Telloh (DE SARZEC, *loc. cit.* p. 35). It seems most probable that iron and the word *parzillu* came to the Semites from the Chalybes, Tubal, and other iron-working tribes of

In so far, then, as the development of European civilization was modified by the change from copper to bronze, the credit of this modification can be given to the East. But this does not mean that the first impetus to the whole development of European culture out of neolithic barbarism came from the East. The change from stone to copper was effected independently of oriental influence, at a time when, indeed, this influence can have been but inconsiderable. And the development of European civilization began before the introduction of bronze.

The first impulse to this development was given in Greece.

The first traces of "Mycenæan" development are found in Crete, Thera, Melos, OIiaros (Antiparos), Syros, and Ægina; in the southern islands only.¹ This points to the conclusion that not only were the Ægean Islands, and more especially those of the south, the chief foci of the earliest civilization-development of Greece, but that the evolution from the more primitive to the fully-developed form of prehistoric Greek

Armenia at an unknown date B.C. The Sumerians may have first used meteoric iron at a very early period, like the Egyptians, since *AN. BAR* means practically the same thing as the Egyptian *Ba-n-pet*, "Heavenly Metal."

¹ Cf. *J. H. S.* xviii. p. 337; MYRES, *Science Progress*, v. p. 350; also the discoveries of STAIS in Ægina.



FIG. 57.—A Mycenaean Sea-demon; from an early matt-painted vase from Mycenæ.

culture took place in these islands. The essentially marine character of the decoration of many of the earliest and of the most typical Mycenæan vases certainly confirms this supposition.¹ Mycenæan art is the art of a sea-folk from its commencement.

In this development the island of Crete must have taken a very prominent, perhaps the foremost, part. The persistence with which Mycenæan types of ornament lingered on the island when, with the exception of Cyprus, the rest of Greece had passed into another style of art² seems to show that Mycenæan art had nowhere been more firmly established than in Crete.

But if we admit that Mycenæan art originated among the præ-Hellenic tribes of Crete and the southern islands, we must further conclude that its development began before the coming of the Aryans to that part of Greece. This conclusion seems extremely probable. There is nothing to show that Greek as the fully-developed art of Mycenæ was in its spirit, the impulse to its first development was given by the coming of the Aryans. It was a natural artistic development, and its Greek spirit

¹ Also one of the earliest Mycenæan frescoes we have, that from the Third City at Phylakopé in Melos, depicts flying-fish (*Ann. Brit. Sch. Ath.* 1897-8, pp. 15, 26; pl. iii.). (MACKENZIE [*loc. cit.* p. 32] wishes to restrict the name "Mycenæan" to the Fourth City at Phylakopé; but if the word "Mycenæan" is used at all to designate the heroic or prehistoric civilization of Greece, the Third City, roughly corresponding to the Theræan settlement, must be called Early Mycenæan or "Proto-Mycenæan," it being most convenient to restrict the term "Præ-Mycenæan" to the primitive epoch of the cist-graves.)

² WIDE, *Nachleben mykenischer Ornamente*, *Ath. Mitth.* xii. (1897), p. 233 ff.

is the spirit not of a purely Aryan, but of a mixed, race.

We may then suppose (until further discovery shall have shown the necessity of a modification of the hypothesis) : that the proto-Mycenaean development began in the Southern Ægean before the Aryan immigration ; that shortly after its beginning the invasion of the Ægean basin by the Aryan tribes, who had no doubt in their Trans-Balkan habitat been already strongly affected by the Copper Age culture of the Ægean, took place ; that the fully-developed Mycenaean culture was the result of the mingling of these Pelasgian and Aryan elements. We cannot use the word "Hellenic" to describe the Aryan element, since in reality what we know as "Hellenic" is by no means purely Aryan. The Hellenes of history spoke an Aryan tongue, but it may be doubted whether more than a few tribes, such as the Spartans, for example, could lay claim to unmixed descent from the Aryan conquerors.¹ The Athenians probably had more præ-Hellenic blood in their veins than any other people of continental Greece, with the possible exception of the Arcadians. The Ionian race generally bore marked traces of a strong præ-Hellenic admixture, and in Crete the old Pelasgic element continued vigorous and even to some extent unhellenized in historical times. It is in Crete that it is most easy to distinguish the præ-Hellenic from

¹ Were the Achaians of the Pelopid hegemony merely an Aryan aristocracy ruling over tribes mostly of Pelasgic blood ? The Achaians of the *Iliad* seem to be an aristocracy, as opposed to the " Danaans " and " Argeians."

the "Hellenic" elements of Greek civilization, especially in the domain of religion, which in Crete especially exhibits peculiarities which are obviously due to a commingling of Hellenic with what seem to be præ-Hellenic elements. In Crete queer demons such as the *ἄλιοι γέροντες*, and enigmatic deities such as Welchanos the cock-god¹ and Diktynna or Britomartis, who in many respects resembled Artemis, continued to be venerated in classical times. Their aspect is not very Hellenic; also, both Welchanos and



FIG. 58.—Mycenaean Hunting-demon (? Artemis); from an intaglio.

Diktynna were especially connected with the Eteokretan portion of Crete, and, like the horse-headed Demeter in Arcadia, are plainly of "Pelasgic" origin. Now unfamiliar deities of this type certainly played a prominent part in the religion of the Mycenæans; horse-, ass-, and lion-headed demons carrying vases, either in their hands or slung round their necks, goat- and bull-headed men running and turning, are common subjects on Mycenæan gems and in Mycenæan wall-paintings.² It is very probable that these apparently præ-Hellenic cults were of præ-Mycenæan origin, and continued to flourish during the Mycenæan period, being passed on by the præ-Mycenæan tribes to the mixed race of the Hellenes. In Crete we have an example of how the religious

X ¹ The cock was sacred to *Feλχωός* at Phaistos. He was identified with Zeus.

² Cf. COOK, *J. H. S.* xiv.; EVANS, *J. H. S.* xvii. p. 369.

ideas of the Aryan invaders were brought into close connection with those of the earlier population. Foremost among Pelasgic deities stood Zeus, who was born in Crete; but Hera his wife was, *pace* Herodotos (ii. 50), not Pelasgic; she seems Aryan in her character, which is absolutely different from that of the old Pelasgic goddess, akin to the Kybele of Asia Minor, who is known to us in the form of Artemis, and from the Semitic importation Aphroditê; she is opposed to Demeter and the Chthonic worships¹; and she was especially the goddess of the predominantly Aryan Achaians of Argos. In Crete the Mycenæan fortress of Knóssos was always an important seat of her worship. It was in the Knóssian land that the *ἱερός γάμος* of Zeus and Hera was fabled to have taken place.² Not that the Achaians did not without doubt bring an Aryan Zeus with them to Crete, but the strength of the old Pelasgic god of the Double-headed Axe was so great that he was speedily identified with Hera's husband, and in many respects supplanted him. It is not only in the Cretan Zeus, also, that we can see præ-Hellenic traces; they are observable in most forms of the god, but especially in the Zeus of the Dictæan Cave. The *ἱερός γάμος* of Pelasgic Zeus and Achaian Hera at Knóssos may serve for us as an allegory of that mingling of Pelasgian and Aryan which produced the Hellenic race, and probably gave so great an impetus to the development of the Mycenæan culture, of which

¹ Cf. FARNELL, *Cults of the Greek States*, p. 192.

² DIOD. v. 72.

we find some of the oldest remains in Crete at Knôssos.

A general theory of the origin, development, and general position of prehistoric Greek civilization may then be provisionally framed as follows:

The "Chalcolithic" copper-using culture which succeeded the Age of Stone in Greece was not confined to the Ægean basin, but extended from Cyprus and Central Asia Minor, perhaps even from Palestine, at least as far west as Sicily and Italy. With the cultures of Babylonia and of Egypt this primitive "Mediterranean" civilization had, as far as we can see at present, originally nothing to do. The chief development of this culture took place in the Ægean Islands, and especially in Crete, where the first advance from the præ-Mycenæan to the Mycenæan stage of Greek civilization seems to have been made. This advance was apparently roughly contemporaneous with the introduction of the knowledge of bronze-working from the East.

These early tribes of the Eastern Mediterranean, who were, no doubt, the descendants of the old Neolithic inhabitants, were probably not Aryans. They seem to have been the ancestors of those non-Greek tribes, speaking various dialects of a non-Aryan language, whom we still find lingering in various places in the Greek world in the classical period, and among whom the true Hellenes appear as an intrusive, disruptive population. The extent

of the præ-Mycenæan culture coincides exactly with the known extent of the distribution of these tribes in the Mediterranean lands.

The Aryan tribes of Central Europe had, no doubt, passed from the Age of Stone to that of Copper quite as early as the non-Aryans of the Mediterranean coasts; but it can hardly be doubted that the great advance which was made by the latter when bronze first became known to them reacted at once upon the former, whose independent development ceased: when the knowledge of bronze was passed on from the Ægean lands into Central Europe the common European civilization of the Bronze Age may be said to have begun, taking its inspiration from the now rapidly developing "Mycenæan" culture of the Pelasgian tribes.

Not long after the beginning of the "Mycenæan" development in the southern islands, Aryan tribes, perhaps already bronze-users, seem to have first entered Greece on both sides of the Ægean, eventually reaching Crete, and passing on thence to the Pamphylian coast and Cyprus, in some places mixing with the original inhabitants as they went,¹ in others merely subjecting them to their rule. The fact that some of the "Northerners," as, for instance, the Lykians and Achaïans, were known to the Egyptians as early as the fifteenth century B.C. by their Greek names—and in the case of the first certainly, in the case of the second presumably, Aryan names—would go to show that the Aryan

are true Aryans

¹ The mixed tribes of the east coast of the Ægean, who eventually reached Cyprus, were the Ionians (*v. ante*, p. 130).

Greeks had already reached the Southern Ægean as early as the sixteenth century B.C.¹

The mingling of the Aryan and Pelasgic elements produced the fully-developed Mycenæan culture, the chief seat of which was probably shifted from Crete, the legendary seat of a very early thalassocracy, to Argolis, whence Hellenic princes exercised, towards the end of this period, a very definite hegemony over the chiefs and peoples, whether Aryan or Pelasgian or of mixed blood, in Peloponnese and in the islands.

And now it is for the first time permissible to speak of "Hellenes" as a convenient term to apply to the mixed race, partly Aryan, partly Pelasgic, as opposed to those few Pelasgic tribes which still continued to exist unmixed with the Aryan invaders.

This "Mycenæan" or earliest Hellenic civilization apparently marked the earliest development of European Bronze Age culture, and on account of its geographical position became itself the chief energizer and developer of this culture.

Dogmatism on so uncertain a subject as the "Mycenæan Question" is impossible: new discoveries may upset any pronouncement on the subject a week after it has been made. Yet, although "all theory is grey" and unsatisfactory, in the work of elucidating the early history of Greek civilization without theorizing no progress is possible. The above account of the possible course of the development of

¹ *V. ante*, p. 88.

the prehistoric culture of Greece and the pronouncement therein contained is, then, no dogma, but a mere provisional theory, based principally upon an acceptance in its main lines of the hypothesis explained in Chapter ii.

It will have been seen that the position of Crete in the history of the development of early Greek civilization was probably one of great importance: it seems possible that further researches in the island will add enormously to our knowledge of prehistoric Greece. At present, however, we cannot be said to have reached any certainty as to the precise extent of early Cretan activity.

If the Cretans of late-Mycenæan times were practically subject-allies of the kings of Mycenæ, to what period are we to assign the famous thalassocracy of Minos, the Knössian monarch who, when the kings of Mycenæ still lived and had their being, was already regarded as a half-mythical personage? ¹ "There is," says Prof. Busolt, "certainly some truth in the legend of Cretan sea-power; the island stretches across the whole sea, and seems as if created by nature to rule the waves." ² In Homeric times the naval activity of the Cretans was very marked, and, as far as the Ægean and the western islands are concerned, they may have been equally active in earlier days. That the Ægean hegemony of the Knössian monarchs who are personified by Minos was

¹ Cf. *Il.* xiv. 322, xiii. 449; *Od.* xix. 178.

² *Gr. Gesch.* i. p. 337.

far removed in time from the historical period is shown by the words of Herodotos when speaking of the thalassocracy of Polykrates: "Πολυκράτης γάρ ἐστι πρῶτος τῶν ἡμεῖς ἴδμεν Ἑλλήνων, ὃς θαλασσοκρατεῖν ἐπινοήθη, πάρεξ Μίνωός τε τοῦ Κνωσίου, καὶ εἰ δὴ τις ἄλλος πρότερος τούτου ἤρξε τῆς θαλάσσης· τῆς δὲ ἀνθρωπίνης λεγομένης γενεῆς Πολυκράτης ἐστὶ πρῶτος ἐλπίδας πολλὰς ἔχων Ἴωνίης τε καὶ νήσων ἄρξεν."¹ He regards Minos as a purely heroic personage; while to him and to others of his day the Pelopids of Mycenæ were men like themselves. This would seem to justify us in placing the Minoan thalassocracy in the age before the Mycenæan period. But the primitiveness and poorness of the præ-Mycenæan culture of the islands hardly accord with the traditional magnificence of the Knössian monarch, "βασιλεύτατος θνήτων βασιλέων": also the ruins of the city and palace at Knössos are Mycenæan in character, and therefore later in date. But the foundation of the palace seems to go back to proto-Mycenæan days, and in the proto-Mycenæan period the culture of Crete had perhaps risen to a pitch of development rather higher than that of the culture of Thera or of Melos; at any rate the character of the proto-Mycenæan pottery from Crete points in this direction. Minos may then have been a "Proto-Mycenæan." The whole story of Minos is so mingled with pure myth that little certainty can be attained with regard to its details, but there can be no doubt as to the main fact: Minos represents a most powerful Cretan kingdom which preceded the Argive dominion in the

¹ HDT. iii. 122.

Is the Sinoan legend early or not? If it is primitive
then the connection is in Mycenaean time

MINOS

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Ægean, *i. e.*, belonged to the earlier period of Mycenaean culture. The legends of his expedition against Kamikos in Sicily, and of the great Cretan armada which set out to avenge his death and afterwards colonized Hyria in Italy,¹ are not impossibilities, and very probably have some truth in them. Many legends point to a continuance of Cretan activity in the *Ægean* long after the days of the half-mythical Minos. Megara was said to have been attacked by a Cretan fleet in very early days.² The story of the colonization of Klaros and Kolophon by Rhakios³ is probably historical: it relates to a period long before the return of the Herakleids and the "Great Migrations." The eponymous hero of Miletos was also called a Cretan. The Mycenaean centre in the Troad is also, as we have seen (p. 177), connected in legend with Crete.

We may perhaps attribute this maritime energy to the beginning of the Mycenaean time, when the new development of culture was being evolved in Crete and the neighbouring islands. The "Minoan thalassocracy" then covers the period of transition from the proto-Mycenaean Age proper: and it is to this period (*c.* 1700-1400 B.C.?) that the palace of Knossos probably dates back.

To judge from the discoveries in the Minoan palace of Knossos, at this period Crete already possessed the peculiar system of pictographic signs which might seem to mark it out as in some ways the most developed of the Mycenaean lands. But it is probable that other similar systems of local origin

¹ HDT. vii. 169 ff.

² PAUS. i. 39. 44

³ *Ib.* vii. 3.

were in vogue at the same time in other parts of the Greek world; to deduce from its pictographs alone a pre-eminent rôle for Crete in the Mycenaean period is impossible. Commercially, Crete had no doubt already some importance as connecting the Ægean with Cyprus and the East. Phœnician traders may already have reached it, and it appears probable that the Cretans were included among the Mycenaean tribes known to the Egyptians in the sixteenth century B.C. as the people of *Keftiu*.¹ The Cretans were no doubt at this period as active navigators of the Ægean and the neighbouring seas as they were to be in the future; but whether *Cretan Keftiu*-people ever got any farther eastward than Cyprus or came into contact with the Egyptians we cannot tell. We have no certainty that their island was known to the Egyptians at this time, though it quite possibly may have been. At any rate, no land is mentioned among the Keftiu-countries which can be certainly identified with Crete, as *Asi* or *Iantanai* can be identified with Cyprus.

Egyptian artistic influence, however, had already reached Crete, if we are to take the frescoes of the Minoan palace of Knössos as being relics of Minoan days. And then the apparent synchronism of these frescoes with those of the tomb of Rekhmarā would date this Minoan period—the period of Cretan thalassocracy—to about 1500 B.C., a date which agrees very well with the probability that the time of Cretan hegemony dates to the earlier centuries of the Mycenaean age. The thalassocracy of the

¹ *V. ante*, p. 165.

Mycenæan kings will then date some centuries later; probably about the thirteenth and twelfth centuries.

Whether the old Minoan rulers were Aryans or not it is impossible to say; but the probability that their subjects were non-Aryan Pelasgi, Eteokretans in fact, is confirmed by the frescoes of Knôssos and the tomb of Rekhmarû which depict them as a ruddy, black-haired race, much resembling the modern Italians.

During the later Mycenæan period Crete, although it no longer ruled the sea, and the Achaian tribes of the mainland seem to have regarded it as in some sort under their domination, yet appears to have remained one of the chief centres of Greek civilization. It was still great and prosperous, its cities were a full hundred in number, and according to the Epos it was still under the hegemony of the princes of Minoan Knôssos, Idomeneus and Meriones, who after Agamemnon and Nestor brought the greatest number of ships to the siege of Troy.¹ In the *Iliad* a close connection between the Argive and Cretan princes is noticeable.² Legend again makes Katreus son of Minos have close relations with Nauplios, the eponymous hero of Nauplia, and his daughter Aerope was said to have been the mother of Agamemnon and Menelaos.³ The Knôssian princes of late-Mycenæan times were then very probably of Achaian (*i.e.*, Aryan) blood, related to their Mycenæan overlord. It was in this post-

¹ *Il.* ii. 645 ff; *cf.* *Od.* xix. 172 ff.

² *Il.* iii. 232 ff.

EUR., *Or.* 1009. *Cf.* MILCHHÖFER, *Anfänge der Kunst*, p. 134.

Minoan period that the emigration of the Philistines and T'akarai to Palestine apparently took place (c. 1200 B.C.).

We may doubt very much if these conditions still obtained in the days when the songs of the Epos were put together. With the end of the Mycenaean period the importance of Crete came to an end. In the anarchy of the post-Mycenaean age the early civilization of the island was extinguished, never to reappear. Her "hundred" cities sank into insignificance, destroying each other in furious internal quarrels.¹ Her people remained bold and energetic sailors, but instead of the mighty rulers of the Ægean they became mere prowling sea-robbers. The infusion of Dorian blood seems to have merely helped to barbarize the Cretans; certainly it in no way improved them. Henceforward they were merely the historical *ἀεὶ ψεύσται, κακὰ θηρία, γαστέρες ἀργοί*, backward in the arts of peace, but surpassing all others in the science of piracy. The days were indeed long past when the Cretans ruled the Ægean, demanded human tribute from Athens for the purpose of sacrifice to the bull-headed deity of Knossos (?), waged war against Megara and even far-off Sicily, sent colonists to Ionia and perhaps to the Cyclades,² and possibly gave a god to Miletos, Delos, and Delphi.³ The extinction of Cretan civilization is one of the most curious facts in Greek history. "The history of Crete begins in a time so far away, her period of splendour belongs to an age so remote, that she had already sunk into decadence before the

¹ PAUS. iii. 2 (FRAZER, *loc. cit.* iii. p. 313).

² *V. post*, p. 243.

³ *Ib.*

rest of Hellas had begun its youth."¹ This is an exaggerated statement, but the idea which it conveys is in the main correct.

When, in the Mycenæan period, the dominion of the sea passed from Crete to Mycenæ, Argolis became the central ganglion of Greek civilization. But the Mycenæan culture on the mainland was not exclusively at home in Argolis; it was fully represented in Lakonia, the domain of Menelaos, in Bœotia, the land of the Minyans, and in Pthiotis, where the Achaian and Hellenic names were closely connected. Orchomenos and Iolkos were the chief northern centres of Mycenæan influence. Orchomenos, with her port lying on the Euboic Gulf, connected with the northern Ægean by way of Iolkos, while her sea communications towards the south coincided with those of Athens or Prasiæ and Nauplia. Iolkos was the natural outlet of Northern Greece to the Ægean. The fully-developed Mycenæan remains of the sixth city of Troy show that the Hellespontine lands were probably in regular communication with continental Greece as well as with Crete, with which they are connected in legend and myth. The legend of the Argonauts points to an early attempt of the princes of Iolkos to reach the Hellespont and even the Black Sea. The line of communication passed no doubt by way of Lemnos. The Argonauts made

¹ HOECK, *Kreta*, Vorrede, p. v. : "Kretas Geschichte beginnt in so ferner Zeit, seine Glanzperiode gehört so hohem Alter an, dass es bereits schon sank, als das übrige Hellas erst aufblühte."

Lemnos their halfway-house. In the Homeric poems we find most of the northern islands inhabited by a population partly composed of Sintians (who were of Thracian origin),¹ apparently dominated by noble families of Minyan stock ("Mycenæans" from Iolkos and Orchomenos); in Lemnos we find Euneos² "son of Jason."

We have already seen that the Egyptian monuments give us valuable information with regard to the inhabitants of the Ægean during the Mycenaean period. The identity of the Thuirsha with the Tyrsenoi we have discussed, and have found that, although we cannot claim the Thuirsha as an Ægean people, several of the other northern tribes who came into contact with the Egyptians at the time of the XIXth Dynasty (about 1350-1200 B.C.)—*i.e.*, during the Mycenaean period—were very probably "Ægeans." The Uashasha and Takarai were probably *Φαξίοι* and *Τευκροί* from Crete, and if the Akaiusha, the Danauna, the Dardeni, the Masa, and the Luka were really the *Ἀχαιοί*, the *Δαναοί*, the *Δαρδανοί*, the *Μυσοί*, and the *Λυκιοί*—and there is little reason to think that they were not, every reason to think that they were—then we have not merely the first historical mention of these well-known names, but the earliest testimony to the intimacy of the relations which existed between continental Greece and western Asia Minor in the

¹ *Il.* i. 594; *Od.* viii. 294.

² *Il.* vii. 468, 471; xxiii. 747.

Mycenæan period. The Asiatic tribes are mingled with those of Greek origin as they were in Homeric days, the bond between them being, no doubt, the common Mycenæan culture, and the common Pelasgic-race-substratum. Many of these tribes were, no doubt, pure "Pelasgians," but others, as, for instance, the Akaiuasha and Danauna, must have been "Hellenes," *i.e.*, were partly, in the case of the Akaiuasha perhaps purely, Aryan in blood. In Crete and Rhodes Hellenic tribes were no doubt settled in the later Mycenæan period, but we shall see that it is possible that during the whole of the Mycenæan period the Cyclades still continued to be inhabited by the Leleges, and were without true Hellenic inhabitants, although the Hellenic kings of Knóssos or Mycenæ exercised suzerainty over them. Also, if it be granted that the association of the Leleges with the Karians is a mistake, it seems an arguable though hardly a probable theory that the Karians had not yet overflowed into the islands in the Mycenæan period. The evidence on this point will be discussed in the next chapter.

We have hitherto touched but slightly upon the question of the place of the Western lands in the history of the civilization of this period. But the importance of the artistic influence which the Mycenæan culture undoubtedly exercised on Italian civilization has been pointed out. This influence seems not to have begun to work, however, until a comparatively late period.

The few Mycenæan objects which have hitherto been found in Italy and Sicily¹ are of a late period, and are simply importations from Greece. We cannot regard them as proofs of a Hellenic "Mycenæan" population in the West at this period. Possibly the earliest Greek settlements in the West were established only by a backflow of migration from the East after this had been checked in Cyprus by the insuperable barrier offered to further eastward progress by the proximity of the civilized peoples of the Orient. Legend brings Meriones the Cretan to Sicily after the Siege of Troy, and regards the Elymians as being of Greek origin.² This is all very nebulous. The legend of the Cretan expedition against Kamikos, in Sicily, and migration to Hyria, in Italy, proves no real Mycenæan colonization. That the tribes of Messapians and Oinotrians which we find settled in that part of Italy which is immediately opposite to the Greek coast came originally from Greece is possible, geographically; but modern investigators have made quite clear the specifically Epirote descent of the Iapygians, and have shown that the language of the Messapians was akin to Albanian. These tribes were then all of Illyrian

¹ *E.g.*, vases from a beehive tomb at Syracuse; date probably Xth-IXth Century (FURRW.-LÖSCHKE, *loc. cit.*, p. 480. Cf. WALTERS, *loc. cit.*). Weapons from rock-tombs: ORSI, *Bull. di Palenologia italiana*, xv. p. 158.

² THUC. vi. 2, and other authorities; "Phrygians and Phokians" (cf. BUSOLT, *Gr. Gesch.* i. 375, n. 2). HOLM (*Hist. Gr.* i. p. 284) thinks that an *Oriental* origin seems to be proved for the Elymians by the analogies *Elymōi* and *Elam*, *Eryx* and *Erech*! This would hardly commend itself to an Assyriologist!

origin.¹ The fact that we find *Μεσσάπιοι* in Lokris (Thuc. iii. 101), and the existence of a hill *Μεσσάπιον* in Bœotia (Strabo, ix. 405), only show that there was perhaps an Illyrian settlement in Northern Greece. In Sicily no tribes of Greek origin, with the possible, but very doubtful, exception of the Elymians, can at this period be placed. So, though the Cretans may in early Mycenæan days have been in communication with and made war on the coasts of Sicily and Italy, no Greek colonies were founded in the West until the backflow of the Greeks towards the West began in the eighth century B.C. So that the Mycenæan antiquities found in Sicily and in Italy must have been imported probably by Mycenæans—Taphians, perhaps²—hardly yet by Phœnicians, and traded by them to the native tribes. That considerable influence was exercised by Mycenæan importations upon the art of the præ-Hellenic (Sikel) inhabitants of Sicily is evident from the results of Signor P. Orsi's excavations of the early necropoleis of that island.³ This commerce, no doubt, dated back to præ-Mycenæan times, but we cannot trace its history. It has been supposed that relations existed between Mycenæan Greece and Sardinia as early as the XIIIth century B.C., because among the

¹ KRETSCHMER, *loc. cit.* p. 272 ff. HDT. (vii. 170) regards the Messapians as an Iapygian tribe.

² I cannot agree with WIDE (*Ath. Mitth.* xxii. p. 258) that Mycenæan civilization never extended into western Greece because few Mycenæan remains have yet been found in that quarter. Before the Vaphio tombs were discovered it might with equal want of probability have been asserted that Mycenæan civilization never reached Lakonia.

³ PETERSEN, *Röm. Mitth.* xiii. (1898) p. 150 ff.

allied tribes who attacked Egypt at that date¹ were *Shardina* who have been identified with the Sardinians. But no traces of Mycenæan culture have been found in Sardinia,² and it seems better to regard the *Shardina* as Sardinians. That the Mycenæan cities of Greece were connected with the West by way of the Corinthian Gulf and Korkyra at an early period is quite possible (see p. 283, n. 1). The fact of Mycenæan influence in Italy and the West tells us more concerning the connection of Mycenæan civilization with the West than the evidence of either tradition or archæological discovery in Western Greece would imply. In the Ionian Islands themselves the presence of the Mycenæan culture is shown only by a few "beehive" tombs in Kephallenia³ and a fortress, probably Mycenæan, on Mount Aëtos in Ithaka.⁴ But the route from East to West must have passed by the Ionian Islands; this is the route indicated in the *Odyssey* (i. 184), and even as late as the fifth century the only way to Italy and Sicily still lay through the sheltered waters between them and the mainland.

¹ DE ROUGE's identification of the Shakalasha and Uashasha, who took part in these invasions, with the Sikels and Oscans, has been seen to be quite impossible. Cf. *ante*, pp. 173, 177.

² FURTW.-LÖSCHKE, *loc. cit.* p. 48; REINACH, *Mir. Or.* p. 550.

³ FRAZER, *Pausanias*, iii. p. 140.

⁴ SCHUCHHARDT, *loc. cit.* p. 305.

VIII

DECADENCE AND RENASCENCE—CONCLUSION

WE have seen in Chapter ii. that both archaeological and legendary evidence combine to show that it was to the shock of the Return of the Herakleids, which destroyed the præ-Dorian Hellenic kingdoms, that the comparatively sudden decadence and disappearance of Mycenæan culture was probably due. Comparatively sudden in the Greek peninsula at least: and here we have strong testimony in favour of the hypothesis. The Dorian Invasion was confined to continental Greece and the southern islands; and it is precisely in these parts of Greece that Mycenæan culture disappeared most quickly; in Asia, to which the Dorian can hardly have penetrated much before the beginning of the eighth century, it lasted apparently almost till that time; in Cyprus, which he never reached, debased Mycenæan art was still in vogue at the end of the eighth.

“Comparatively sudden” must not, however, be taken to imply *immediate* extinction: the Dorian conquest took long years to accomplish; the period of disturbance, already foreshadowed by the wanderings of the tribes which attacked Egypt in the thirteenth and twelfth centuries B.C., cannot, if we

are to take the traditional date for the Return of the Herakleids as even only approximately correct, have begun later than 1000 B.C., about which time Mycenæan traces begin to fail us in Egypt; but that the Dorians had not yet crossed from Epidauros to Ægina even as late as 850 B.C. may be argued from the late-Mycenæan treasure from that island, which appears to date to the end of the ninth century.¹ During this period of transition, which may be roughly dated from 1050 to 850 B.C., bronze was supplanted for purposes of weapon-making, &c., by iron, and to this time of change we have seen reason to date the Homeric civilization, or rather the civilization of the early lays of the *Iliad*. The term "Homeric Civilization" may, however, be fairly extended to include the culture which is described in the later parts of the *Iliad* and in the *Odyssey*; this stage, that in which many of the Homeric poets themselves lived, connects the period of transition with that which was marked by the beginnings of the classical civilization of Greece. "The Homeric period" may be therefore understood to cover the whole post-Mycenæan period of the history of Greek civilization, from the time of the Dorian invasion to the end of the eighth century B.C., about which time the classical culture of Greece may be said to have begun. For our knowledge of the history of the civilization of this period we are naturally indebted in great measure to the Homeric poems themselves.

The first epic singers of Greece, living in Asiatic Hellas in, apparently, the ninth century B.C., at a

¹ EVANS, *J. H. S.* xiii. p. 195 ff.

time when the Mycenæan culture, now almost entirely confined to Asia, had passed into a decadent stage in which the artistic triumphs of its earlier days were fast becoming fairy tales, and were regarded as the works rather of gods than of men, sang of the ancient glories of their race in the days when the princes of the Achæians went forth to war under the leadership of the kings of "golden" Mycenæ, but their descriptions of the flourishing period of two or three centuries before were strongly influenced by the altered circumstances of their own time. The Homeric culture is evidently the culture of the poets' own days; there is no attempt to archaize here, unless the indulgence in wondering descriptions of the masterpieces of bygone days is archaizing. But it is otherwise when political conditions are dealt with. Paul Veronese arrayed the wife of Darius in ruff and farthingale, but he knew full well that she was a queen of ancient Persia, not a sixteenth-century Italian princess.

So the picture of continental Greece which is given to us in the *Iliad* shows us a congeries of tribes, belonging to various Hellenic and præ-Hellenic stocks, ruled by princes of Achæian or Minyan blood who are often descended from or otherwise connected with the older Pelasgian rulers of the land. The majority of these princes owe a more or less loose kind of allegiance to the king of Mycenæ, the chief city of the Achæians and central point of Mycenæan culture. This is in all probability a pretty accurate description of the political state of "Mycenæan" Greece immediately before the period of the Dorian

Invasion, and can hardly be taken to represent its condition as late as the ninth century, when the total displacement and decadence in culture caused by the Return of the Herakleids was in full swing. In regard to the political conditions of continental Greece, therefore, the Homeric poets consciously and consistently archaized, in the *Odyssey* as well as in the *Iliad*.

So they did in regard to Asiatic Greece also, as the non-mention of the cities of Asia shows. But when treating of Asia generally and the Ægean they were not always so careful: and here we may glean some hints as to the real state of Greece in post-Mycenæan days. It was perhaps natural that Asiatic poets should depict the countries which they knew best more or less as they were in their own time, while around continental Greece, the home of their heroic ancestors, was cast the glamour of romance, hiding its barbarism.

Take, for instance, that omnipresence of the Phœnicians in Greek waters, which is so often insisted upon by the Homeric poets.¹ This points to a post-Mycenæan time, for during the heyday of

¹ It has lately been supposed that the Phœnicians never entered the Ægean at all. The somewhat remarkable theory has been enunciated that the Σιδωνιοὶ ἄνδρες of the Homeric poets were not Phœnicians at all, but *Greek traders to Sidon!* On the analogy of "East India Merchants," apparently. But the Homeric description of these "Sidonian Men" shows that real Sidonians were meant; this new idea goes clear against all the evidence.

Mycenæan culture and Achaian political hegemony there would have been no room for the Phœnicians in the Greek seas. The Phœnicians come in no way into the political scheme of the Homeric poems: no contingent starting from a Greek land is composed of Phœnicians or is under Phœnician leadership. This fact, that there is no place for the Phœnicians in

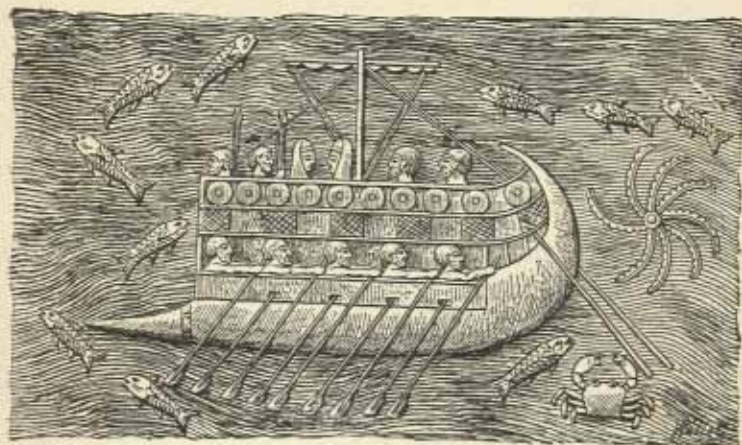


FIG. 59.—A Phœnician Ship of the VIIth century B.C. (From an Assyrian bas-relief.)

the scheme of political archaizing, would go to show that their activity in the Ægean was not contemporary with the heroic age. But where they do come in is where the poets are describing scenes of everyday life, the everyday life and general civilization of their own day, and are no longer archaizing. It was then in post-Mycenæan days, when the Dorian had subjugated the Peloponnese, and the deeds of the

“Mycenæan” heroes were to their descendants in Asia but a glorious memory, that the thalassocracy passed to the sailors of Sidon and Tyre. In both *Iliad* and *Odyssey* they are found trafficking in slaves and goods, often trapping the former by stealth, and, when possible, obtaining the latter by guile, everywhere from the river Aigyptos to the innermost

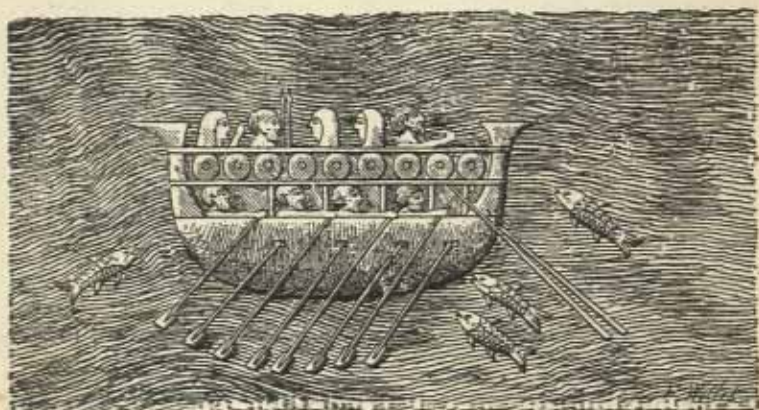


FIG. 60.—A Phœnician Ship of the VIIth century B.C. (From an Assyrian bas-relief.)

recesses of the *Ægean*. Archæological traces of the Phœnicians in the *Ægean* are not very apparent, but their presence there is vouched for by the unanimous voice of Greek tradition and by the occurrence in the *Ægean* islands and coasts of place-names which are obviously of Phœnician origin. In the north of the *Ægean* clearer signs of their activity are traceable than even in the south. In the *Iliad* they are men-

tioned as trading to Lemnos; ¹ in Thasos the Tyrian Herakles was worshipped in very early times, ² and the whole of this island was turned upside-down by the mining operations of the Phœnicians, ³ who even settled on the opposite coast of Thrace in order to pursue their search for the precious metals on Mount Pangaios. Samothrace and Imbros were seats of a worship which, although mingled with elements derived from the Chthonic worship of Greece, which appears to have been of "Pelagic" origin, is indubitably Semitic in character; the worship of the Kabeiroi, the *Kebirim* or "Great Gods." On the neighbouring Asiatic coast such a name as Adramytion (*cf.* Hadrumetum and Hadhramaut) is certainly Semitic. ⁴ Lesbos was a seat of Aphrodite-worship, and coming further south, the name of Samos, which recurs as the Homeric designation of Samothrace, apparently meant "High" in Semitic speech. ⁵ In

¹ *Il.* xxiii. 745. The name of Lemnos has been claimed as Semitic: *Libnah*. A local hero of Lemnos was named Makar, an appellation which is, perhaps with little reason, said to be Semitic.

² *HDT.* ii. 44.

³ *Ib.* vi. 47.

⁴ *Hazarnaveth*, "Valley of Death." Lampsakos, however, which has been confidently claimed as Phœnician, and said to mean "At the Ford," cannot be a Semitic name. Even if it could be taken to mean "At the Ford" or even "Towards the Ford" in Semitic, which is improbable, no such combination with a preposition is possible for a Semitic town-name.

⁵ STRABO viii. 346, speaking of the western Samos in Elis, observes: "πρότερον δὲ καὶ πόλις Σάμος προσαγορευομένη διὰ τὸ ὕψος ἴσως, ἐπειδὴ σάμουσ ἐκάλουν τὰ ὕψη" *Samos* = "high" is clearly Semitic; Ar. شَمَا "to be high," used commonly at

the southern Ægean, Karthaia in Keos must have been of Phœnician origin, and Phœnician settlements existed in early times in Rhodes; the priestly families of the island traced their descent from Phœnician ancestors, and the name of the mountain Atabyrion is the same as that of the Palestinian Tabor. In Crete the names of Itanos and Iardanos have a Semitic sound, though, as will be seen later, it is doubtful if the legends of the Minotaur and of Talôs the brazen man are really Semitic. In Kythêra the especial worship of Aphrodite points to an early connection with the Phœnicians, and it has been supposed that they were attracted to this island and to Kranæ in the Lakonian Gulf by the excellence of their purple-fisheries. The purple-fisheries of Nisyros, Kôs, and Gyáros, the mines of Siphnos, and the early pre-eminence of the Koans, Amorgans and Theræans in the art of weaving, have been adduced as proofs of Phœnician activity in these islands also. Legend certainly settles Phœnicians in Thera. It would not be difficult to multiply further the traces of the Phœnicians in the Ægean, but in so doing the risk

the present time when speaking of a mountain, ^{شام} "height," &c. This Semitic name can only have been bestowed by the Phœnicians: a word which in Arabic is *sham*— would in Phœnician possibly take the form *sam*—. We may then consider it probable that it was the Phœnicians who originally *σάμου ἐπέδου* τὰ ἔψη, and that the Samos of the East as well as that of the West really owed its name to them, rather than to the Thracian Saïans, to whom some ascribed it (STRABO, x. 457); an impossible derivation. Phœnician settlements in Samos and Samothrace are then clearly indicated: the story that Samothrace owed its name to a later Samian migration thither is probably an invention.

is incurred of pressing the argument from similarity of name too far, as has certainly been done by Movers and Oberhummer. Enough evidence is forthcoming to show that at an early period the Ægean was over-run in all directions by Phœnician traders, slave-dealers, miners, and purple-fishers.

The evidence of the Homeric poems shows that this was the case in the ninth and eighth centuries B.C. How far back must we place the beginnings of Phœnician enterprise in the Ægean? Herodotos says that the temple of the Tyrian Herakles in Thasos was founded five generations before Herakles the son of Amphitryon appeared in Greece.¹

Objects of Phœnician appearance, *e.g.*, the golden Aphrodite-figure with doves, the temple with doves on the eaves, &c.,² have been found in the shaft-graves of Mycenæ, which have generally been considered to be of early date. This, however, proves nothing as to Phœnician activity in the Ægean at an early period of the Mycenæan age, since, while many of the contents of the shaft-graves appear to be early, others, and among them these "Phœnician" objects, can only be compared with the late-Mycenæan objects from Cyprus and so may date from the ninth century or later. No similar objects of Phœnician appearance have, apparently, been found with undoubtedly old-Mycenæan deposits such as those of Knôssos Vaphio and Ialysos. In Rhodes archaeological evidence of the presence of Phœnicians is first noticeable at Kameiros long after the end of the Mycenæan period

¹ HDT. ii. 44.

² SCHUCHHARDT, Figs. 180, 181, 183.

in that island. Tradition makes the Phœnicians in Rhodes the successors of a previous race, known in later days as the "Heliadaï."¹ These may have been the Mycænæan inhabitants. The half-mythical races of artists which are found in Rhodes and Crete, the Telchines and Daktyloi, have been regarded as Phœnicians,² but with little reason. In Crete the Daktyloi are connected with Daedalus and the very early Minoan cycle of legends. Attempts have been made to show that the myths of the Minotaur and of Talôs are of Semitic origin, and so to connect Minôs and Daedalus with Phœnicia. But the attempt fails, because no bull-headed god or deity to whom bulls were sacred is known among the Semites;³ and the fact that bulls

¹ HOLM, *Hist. Gr.* i. p. 94, n. 6.

² PAUS. ix. 19, says that Cyprus also had been inhabited by Telchines, and calls "Telchis" a son of Europa (*ib.* ii. 5). This tale is evidently based on the supposition that the Telchines were Phœnicians.

³ The nearest approach to a bull-god which can be found among the Semites is the Moloch of Rabbi Kimchi, who said that Moloch was calf-faced. This late idea has no other authority to back it up (SMITH, *Bible Dict.* p. 403). The golden calf or bull of the Israelites was an Egyptian god. Baal often had horns, but they were those of a ram, not a bull, and were not given to him until his form Baal-Hammôn ("Lord of Heat") had become identified with the ram-horned Egyptian Ammon. The cow's horns of Ashtaroth (Ashtaroth-Karnaim) were due to an equally late identification of her with Isis-Hathor (*cf.* ROBERTSON-SMITH, *Religion of the Semites*, p. 310). Not even in Mesopotamia was there any true bull-deity; there is no evidence that Marduk was ever conceived of as a bull, or that bulls were sacred to him. The Assyrian *Lamasû* (Hebr. *Kerubim*) had the bodies not the heads of bulls, and were not regarded as deities. (Prof. SAYCE has theories on the subject: *cf. Hibbert Lectures*, 1887, p. 289 ff.) It may be noted that the Cretan Zeus Asterios was a deity of comparatively late origin.

and theriomorphic demons and deities generally seem to have had a special attraction for the Mycenæans as well as the apparent identity of the Mycenæan palace Knóssos with the Labyrinth would indicate that the Minotaur was a Mycenæan conception.¹ Human sacrifice also was no speciality of the Semites; unmistakable traces of it are found in Greece. And if the Minotaur was a Mycenæan conception, so may also the story of Talós, the brazen man who drove the Argonauts away from Crete, be Mycenæan too. It would therefore seem preferable to regard the Telchines and Daktyloi as representing the Mycenæan art-workers of Rhodes and Crete, rather than as Phœnicians. The Europa-myth certainly connects Crete with the Phœnicians, but it bears every mark of having been invented at a comparatively late period; Homer knows nothing of it,² and though the early epic poet Eumélos was said to have written an "Europa," our earliest authorities for the tale are Hellanikos³ and Herodotos.⁴

We cannot therefore find either in Rhodes or in

¹ Mr. Evans thinks that the Legend of the Minotaur may have first grown round the frescoes and reliefs of bulls on the walls of the numberless corridors and chambers of the Mycenæan palace at Knóssos, which probably is the Labyrinth. But the Knossians may have especially worshipped a bull-headed devil, connected in some way with the Cretan Zeus, to whom human sacrifices were made. And the story of the tribute of young men and maidens from Athens may record a historical fact. (*Cf. App. I. post.*)

² The reference in *Il.* xiv. 324, to Europa as the mother of Minos and Rhadamanthys by Zeus is, with the rest of the passage from l. 317 to l. 327, a late interpolation (*cf. HENKE, Iliad, p. 12.*)

³ *Schol. ad Il.* ii. 494.

⁴ *HDT.* i. 2.

Crete any evidence of the presence of the Phœnicians in those islands until the end of the Mycenaean period; and the Phœnician occupation of Kythera can hardly have taken place until after Crete had become known to the Semitic sailors.

Turning to the mainland of Greece, the legend which brings Kadmos from Phœnicia would seem to settle Phœnicians at Thebes in Bœotia in Mycenaean times, and therefore to pre-suppose a very early Phœnician activity in the Ægean. The Kadmeians are at Thebes in the *Iliad*,¹ but no hint is given that they were Phœnician or in any way non-Greek. In the *Odyssey* the legend of the woes of Œdipus is alluded to, and the sea-goddess Ino, daughter of Kadmos, appears to Odysseus,² but here again no hint is given us that the poet conceived either Kadmos or Œdipus as persons of non-Greek origin. But it may be maintained that since the name Kadmos resembles the Semitic word *Qedem*, meaning "East," the Kadmeians must have come from the Semitic East, and that the worship of the Kabeiroi and the occurrence of the name of their leader Eshmun at Thebes enables us to conclude that these "Easterners" were Phœnicians. But the name Kadmos has also been derived from a Greek root,³ and the whole story may have grown up from the chance resemblance of the name to the Semitic word, like the myth of Europa, which may have originated in the possibility that the Phœnicians may have called Europe 'Ερεβ, "The

¹ *Il.* iv. 385 ff; v. 804 ff; xxiii. 680.

² *Od.* xi. 271; *ib.* v. 333.

³ PAPE-BENSELER, *Wch. Gr. Eigenn.* s. v. Κάδμος.

Evening-Land," *i.e.*, the West. And the cult of the Kabeiroi may quite well have been introduced from Samothrace at a comparatively late date, in consequence of the general acceptance of the story. The resemblance between the name of the river Ismenos and that of the Phœnician Eshmun would then be a simple coincidence. With regard to the general probability of a Phœnician settlement in Bœotia opinion is much divided; some see in such a settlement a proof of the commercial sagacity of the Phœnicians, who must have occupied Thebes in order to control the trade-route from the Euripus, where they are also considered to have settled, to the Corinthian Gulf; ¹ while others consider that a Phœnician settlement at Thebes would be absolutely in the air, and have no reason whatever for existence. The last view seems certainly to be the most probable; a Phœnician settlement inland, even at so short a distance from the sea as Thebes, is unlikely. The legends of the wars of Thebes against the Achæians of Argos, and the enmity between Thebes and Minyan Orchomenos, may point to a non-Achæian origin for the Kadmeians, but it does not show that they were non-Hellenes, much less foreigners. It may therefore be concluded that the legend which made Kadmos a Phœnician is quite untrustworthy, and that, generally speaking, a Phœnician settlement in Bœotia at any date is improbable. Kadmos was also said to have visited Thrace, and Thera was said to have had Kadmeian inhabitants. ² But these tales do not prove

¹ HOLM, *Hist. Gr.* i. p. 97.

² APOLLOD. ii. I, iii. I; HDT. iv. 147.

that the Phœnicians had already reached Thrace, or even Thera, as early as the time of the foundation of Thebes, which legend would place in the Mycænæan period. Both Thrace and Thera were without doubt scenes of Phœnician activity in later days, and for this reason were connected with Kadmos after he had become regarded as a Phœnician. The Kadmeian legend cannot therefore be considered to prove anything as to an early activity of the Phœnicians in the Ægean. All the evidence points to a post-Mycænæan date for even their first entry into that sea. While the homogeneous Mycænæan culture still dominated the lands and islands of the Ægean basin, it would have been difficult for the Phœnicians to have attained any footing there; it would not have been till the fall of the Achaian hegemony which followed the Dorian invasion and the time of confusion in the Ægean which must have followed that event that they would have obtained the opportunity to enter the Ægean. Phœnician activity in the islands of the Ægean may therefore be considered to have commenced in the dark age between the Return of the Herakleids and the time of the poets of the *Iliad*. We have seen that at this latter period Kythera had apparently long been a centre of the Phœnician cult of Aphrodite; in *Il.* xv. 432 the island is alluded to in a manner which is suggestive; Lykophron, son of Mastor, squire of Telamonian Ajax, is expelled from "divine" Kythera because he had slain a man there.¹ This looks as if the island was already regarded as especially holy to Aphrodite, so that it was defiled by

¹ Ἐρεὶ ἄνδρα κατέκτα Κυθήροισι ζαθέουσιν.

a homicide; the worship of Aphrodite can only have been brought thither by the Phœnicians, who therefore must have been in possession of the purple-fisheries there at a period long before the time of the authors of the *Iliad*.¹ So that the actual date of the first entry of the Phœnicians into the Ægean can hardly be placed much later than 1000 B.C.

We hear so little of the Western Lands in the *Iliad* that it is impossible to say what part the Phœnicians may have played in the West as early as the tenth and ninth centuries. In the next century, as Greek maritime activity revived, the western seas became better known to the poets of Ionia, and we now hear something of Phœnician activity in that direction. Since Phœnician influence upon early Italian art is evident as far back as the beginning of the eighth century B.C., it is probable that the Tyrian merchants traded regularly with the Ionian Islands in the Homeric period. The occurrence of the name Samos in these islands at this time² may perhaps be taken to prove a former Phœnician occupation of one or more of them. An ingenious speculator has argued a far-reaching Phœnician domination in these islands and on the opposite coast of Greece at this period, but his conclusions are chiefly founded on verbal resemblances and analogies which are far less striking than that of Samos = *Samah*, and are on the whole unconvincing.³ The commercial activity of the

¹ Cf. HDT. i. 105.

² *Od.* passim; *Il.* ii. 634 (later than *Od.*).

³ OBERHUMMER, *Die Phœnizier in Akarnanien*. He claims the Taphians (*Od.* i. 184) as Phœnicians, with little reason.

Taphians or Teleboans of Akarnania in these waters at this time is a proof that the trade of the West was by no means restricted to Phœnician merchants in the eighth century B.C. at any rate.

Our general conclusions then with regard to the activity of the Phœnicians in Greece at this period are : that about the beginning of the first millennium B.C. the Phœnicians established numberless factories and trading stations in most of the islands and in many places on the Greek coasts ; that their predominant position in the Ægean was not relinquished by them until the growing maritime energy of the Greeks, which began to manifest itself as soon as the disturbed tribes had finally settled down in their new seats and the development of their common civilization could again pursue its course uninterrupted, compelled them to withdraw from Greek waters ; that in the ninth and eighth centuries, the period of the *Iliad*, the process of withdrawal seems to have been already begun : though all trade is still in their hands, yet they seem to be no longer in actual occupation of many of their old settlements ; and that in the course of the next century, 750-650, when they are described in the *Odyssey* as trading more especially outside Greek waters, they disappeared from Greece. The break-up of their power was no doubt materially hastened by the conquest of Phœnicia by the Assyrians, which took place in the eighth century.

In the Greek islands their occupation left many traces behind it ; new arts, perhaps, such as the making and dyeing of splendid robes, while in some

of the islands—Rhodes, Thera, and Thasos, for example—a Phœnician element was permanently added to the population. In continental Greece few traces of their presence, other than place-names, are discernible. It is possible, however, that the great gift of the Phœnicians to Greece, the alphabet, was introduced by them, not after their expulsion from the Ægean, but while they were still dominant there. We do not know when the Phœnicians invented the alphabet. In the fifteenth century B.C. they used the Mesopotamian cuneiform syllabary, and, to judge from the way in which Palestinian names are transliterated in the Egyptian geographical work which is known as “The Travels of an Egyptian,”¹ they still used it in the thirteenth century, to which the work in question is to be assigned. One of the earliest known specimens of the alphabet is the inscription on the cup of Hiram I., which dates to the tenth century.² It was therefore invented at some time between 1200 and 1000 B.C. So that it may well have been first brought to Greece somewhere about the ninth century, though it was apparently not adopted by the Greeks till at earliest the end of the eighth. It is evident that in Homeric times (ninth-eighth centuries) the art of writing was known, but only to a few, and these the wisest of mankind; it is impossible to say whether the *σήματα λυγρὰ*³ are more likely to have been Phœnician letters than

¹ Brit. Mus. Pap. 10247. Text in BUDGE, *Reading Book*, p. 274 ff; translation by CHABAS and GOODWIN in *Records of the Past*, 1st Series, ii. p. 107 ff.

² Illustrated by MASPÉRO, *Premières Mées des Peuples*, p. 574.

³ *Il.* vi. 169.

Mycenæan pictographs; in Cyprus pictographs were apparently used down to the end of the Mycenæan period, when the Cypriote syllabary seems to make its first appearance (*v. post.*, p. 265). The adapted Phœnician alphabet was apparently first used in the southern Ægean islands, in Rhodes, Crete, and Thera,¹ which are especially connected in legend with the Phœnicians.

In the Homeric poems we have also traces of un-Hellenic peoples settled in the Ægean who were not of Phœnician origin. Their influence on the development of early Greek civilization, though not so marked as that of the Phœnicians, is, however, very noticeable.

The Aryan Phrygians seem to have crossed over into Lesbos; the island appears as politically attached to the dominions of the Phrygian princes, and is apparently inhabited by a non-Greek population.²

Lemnos was, as has been seen, partly occupied in Homeric, and probably also in Mycenæan, times by the Sintians, who were of Thracian origin. The Thracians, who appear in the *Iliad* as allies of the Trojans, seem to have been far more civilized at this time than in later days; the chariots, horses, and golden armour and accoutrements of Rhesos indicate a highly-developed culture.³ It has indeed been doubted if the Homeric Thrêikes were the same people as the Thracians of historical times. This

¹ ROBERTS, *Introd. to Greek Epigraphy*, p. 23 ff. Cf. HILLER v. GÄRTRINGEN, *Die archaische Kultur der Insel Thera*, p. 15.

² *Il.* ix. 129; xxiv. 544.

³ *Il.* x. 434 ff.

early Thracian culture, which was no doubt established in other islands of the northern Ægean besides Lemnos, must have made itself felt further south and have influenced the development of Greek civilization to a certain extent. One very noticeable element in Hellenic culture is derived by the unanimous voice of Greek tradition from Thrace: the ecstatic worship of Dionysos.¹ Many writers have considered this worship to be Semitic; the name *Iacchos* has been supposed to have a Semitic sound;² and so some historians have made the whole early culture of Thrace Phœnician. The Phœnicians were settled on the Thracian coast in early times, and so whatever Semitic traits there may be in the Dionysiac worship, and these are not very apparent, may possibly be due to their influence, but the main idea of the drunken wine-god and his crew is not Semitic;³ it is Aryan enough. Also the names Διόνυσος and Σιμελή are

¹ From the story of the journey of Dionysos to Thebes in Bœotia was deduced the presence of Thracian settlers in Bœotia in pre-historic times, the Thracian origin of the Eumolpid family at Eleusis, &c.

² cf. SAYCE, *Hibbert Lectures*, 1887, p. 54.

³ There was no Semitic wine-god; the deity with the grapes on the rock of Ibriz is "kleinasiatisch," not Semitic, and the Nabatean vine-god Dusares, only known to us at a late period, is evidently hellenized. Cf. ROBERTSON SMITH, *Religion of the Semites*, p. 193: "The only clear Semitic case of the association of a particular deity with a fruit tree is, I believe, that of the Nabatean Dusares, who was the god of the vine. But the vine came to the Nabateans only in the period of Hellenic culture (DIOD. xix. 94, 3), and Dusares as the wine-god seems simply to have borrowed the traits of Dionysos." "The Great Dionysiac Myth" (so ROBERT BROWN, JR.: why not "Dionusiak Muth"?) has no discoverable "Euphratean" connections.

purely Aryan,¹ and so no doubt is Ἰακχός in reality. The slight information which we possess as to the general character of the civilization of the Homeric Thracians enables us to pronounce definitely against any Phœnician or other Semitic origin for it; it appears to have been related to the horse-breeding and chariot-using civilization of the Aryan Phrygians and Mæonians, which was no doubt closely connected with and strongly influenced by the Mycænæan culture, both belonging to the European Bronze Age. Its influence in the Ægean would therefore in all probability introduce no very new or strange elements into Greek art and handicraft.

In the southern Ægean we perhaps find in the post-Mycænæan period a new race installed, the Karians. The abiding tradition of Greece testifies, as has already been said, to the early presence of the Karians in the Ægean islands, and especially in the Cyclades.

¹ KRETSCHMER, *Aus der Anomia*, p. 19, rightly connects Σεμελή and the Phrygian word ζεμελω (= καταχθόνιοι) with the Slav word for "Land," "Earth," Russ. земля, zemlya; Semelô was the Demeter of the Aryan Thracians. The supposed Phœnician deity *Samlath*, confidently claimed as the Semitic prototype of Semele by Prof. SAYCE, *loc. cit.*, cannot be proved to have anything whatever to do with her, and Mr. BROWN's idea (*Bab. and Or. Record*, v. p. 159) that the original of both *Samlath* and Semele was a "Sumero-Akkadian goddess" named "Shamelâ" cannot be accepted, because no such deity as "Shamelâ" ever existed: the name has been wrongly read (see *Addenda*, p. 322, *post*). It seems to me certain that the name of the Getan deity Zalmoxis or Zamolxis (HDT. iv. 94, 95) is, like that of Semelê, connected with the word *zemlya*, "earth"; according to the legend he disappeared from among the Thracians and abode in a subterranean habitation for three years—i. e., he was a god of the under-world, θεός καταχθόνιος.

They are mixed up in legend with the Leleges—“that mysterious race now represented merely as the double of the Carians, now as a distinct people, dividing with the Pelasgians the whole of European Greece”¹—and it may be that the Lelegic tribes, whom we have already thought to be related to the Pisidians (*v. ante*, p. 100), were in reality also very closely allied to the Karians, and that the early Lelegic population of the Cyclades, over which the Minoans of Knôssos in early Mycenæan days extended their dominion, was to all intents and purposes Karian. The idea of the Karians having *conquered* the Leleges would then be a mistake due to a want of comprehension of the practical racial identity of Karians and Leleges.

Another theory of the Karians is, however, possible. The Karians, though they certainly belonged to the non-Aryan stock of Asia Minor, are not mentioned among the Mycenæan tribes of southern Asia Minor who appear on Egyptian monuments, and so may not have reached the Ægean coast till the end of the Mycenæan period. In the Homeric poems the Karians are mentioned as settled in Asia,² but not in the islands. This silence need not, however, be taken as proof positive that they were not in the islands in the Homeric period. They were in the islands at some time; they appear not to have been in them before this period; at this time the Cyclades, where their chief island settlements were said to have been, are ignored by the earlier Homeric poets and are apparently not inhabited by Greeks; a later date than

¹ TSOUNTAS-MANATT, p. 257.

² *H. H.* 867, &c.

this for the Karian occupation of the islands is impossible. So that, notwithstanding the silence of the Homeric poets, we might assume that it was during the eleventh and tenth centuries B.C. that the islands were occupied by the Karians,¹ and that they were still there when the songs of the *Iliad* were composed; this then will be the reason why the Cyclades are altogether ignored in the *Iliad*. The connection of the Karians with the Leleges and with the Minos-legend will then appear to be a fiction of later times, due to the vivid remembrance which the Greeks possessed of the fact that Karians as well as Leleges had once occupied the Cyclades, and ruled the *Ægean*.²

The expulsion of the Karians from the islands may well have taken place in the eighth century, when, in the *Odyssey*, we find the first mention in the early Epos of an island of the Cyclades. It is perhaps significant that this island is Delos, which was early an important centre of the worship of Apollo. It is therefore probable that the first island of the Cyclades in which Apollo was worshipped was Delos, and so that

¹ If names beginning with *Imbr-* are to be regarded as Karian, we have perhaps traces of the Karians in other islands besides the Cyclades; in Imbros Hermes Imbramos was worshipped, and there was a river Imbrasos in Samos. But the element *imbr-* is probably not specially Karian, but common to the Pelasgian speech of the peoples of Asia Minor in general, and so its occurrence in Imbros and Samos is more probably merely an indication that the pre-Hellenic inhabitants of these islands were of "kleinasiatisch" stock. Tradition also brought Karians to the
X coasts of continental Greece.

² It is noticeable that DIODORUS places the Karian thalassocracy after the Trojan War (V. 53, 84).

Delos was the first of the Cyclades to be occupied by the Greeks. The mention of this island in the *Odyssey* might then be taken to indicate that at the time the Odyssean sagas were being composed (the eighth century) the Greeks had already begun to occupy the Cyclades. It is further possible that the first Greeks in Delos came originally from Crete; the beginnings of the Delphic oracle are closely connected with Crete, where Apollo seems to have been worshipped in very early times;¹ so that perhaps the Apollo of Delos was also of Cretan origin. But the main body of the expellers of the Karians were, no doubt, Ionians, coming, some probably from Greece, others from the Asiatic Sporades.

This, however, is all pure theory as far as the Karians are concerned; and the view which regards the Karians of the Ægean as simply the early Lelegic inhabitants seems the more probable of the two.

The Leleges are not mentioned in the islands in the Homeric poems; in the *Iliad* we find them only in Asia, "holding steep Pedasos on the Satnioeis."² But since they are called "the war-loving Leleges," they may still have been considered an important people, and the time when the killing of a Lelex could be sufficiently expiated by the payment of a basket of pease³ is evidently yet far off.

To their old companions in mystery, the Pelasgians, the Greek historians assign a belated activity in the northern Ægean at about this time. In the

¹ Cf. *Hymn. Hom. I.*; CURTIUS, *Die Ionier*, &c.

² *Il. xxi.* 86.

³ PLUT. *Quest. Gr.* 46.

Iliad their name is chiefly apparent in Thessaly and at Dodona, but a branch of the race still maintains a separate existence in Asia.¹ The northern islands between Thessaly and Asia are occupied only by Minyans and tribes of Thracian origin. We have seen reason to suppose that Phœnician settlements also existed in these islands at this time. Herodotus speaks of an invasion of Lemnos by Pelasgians from Attica, which brought the Minyan rule in the island to an end.² This event must have taken place after the composition of the latest parts of the original *Iliad*—i.e. at the earliest after the end of the ninth century. The legend might appear to have some foundation in fact, on account of the well-known Pelasgian traces in the neighbouring islands of Imbros and Samothrace, and on the neighbouring coasts, but it is doubtful if it can be accepted as it stands; no doubt there always had been from remote times a Pelasgic population in the northern islands connecting the Pelasgi of Thessaly with those of Asia, which was mingled with Thracian and Phœnician settlers, and ruled by Hellenic princes of Minyan origin; and the story of the conquest of Lemnos by Attic Pelasgi was probably an Athenian invention of the sixth century, devised in order to connect the legendary Pelasgians of Attica with the still existing representatives of the race in the northern Ægean, and so to establish an Athenian claim to the possession of Lemnos, which was important to them as commanding the corn-route to the Cherso-

¹ *Il.* x. 428. How far this is mere archaizing it is impossible to say.

² *HDT.* vi. 137; iv. 145.

nese and the Black Sea, and would thus fall to them in compensation for the legendary misdeeds of the Pelasgians at Brauron. In a well-known passage of the *Odyssey* (xix. 177) *διοι Πελασγοί* are mentioned as maintaining a separate existence in Crete, but not elsewhere in the *Ægean*. They are specifically distinguished from the "great-hearted Eteokretans" and from the *Kydónes*. The phraseology of the passage gives the impression that the poet is describing the ethnological condition of the island in his own time.

It is to be noted that no trace is found in the Homeric poems of any activity on the part of the Sardinians or the Tyrrhenians in the *Ægean* or elsewhere in Greece, either in heroic days or in the time of the poets themselves. We have already doubted if these peoples really were the *Shardina* and *Thirsha* who attacked Egypt in alliance with Asiatic and *Ægean* tribes in the Mycenæan period, and the absence of any mention of them in the Homeric poems confirms our doubts as to any activity on their part in the Eastern Mediterranean during the Mycenæan or early post-Mycenæan ages. Later, however, we find Tyrrhenian pirates occasionally mentioned as visiting the shores of Greece.

We see, therefore, that the break-up of the Achaian power, and the resulting confusion in the *Ægean*, would seem to have enabled foreign peoples to establish themselves in Greece, especially in the islands of the *Ægean*. This seems to be the

dominant characteristic of the period of Mycænean decadence. At the period of the *Iliad* the Greeks would seem to have already begun to assert the claims of Greece to her own seas and islands; the Phœnicians are in process of withdrawal, though they still retain their commercial monopoly. In the *Odyssey* the expulsion of the Phœnicians and, on one theory, the Karians is almost consummated; at the end of the eighth century the Ægean isles are mostly Greek. The work of expulsion, no doubt, fell in great measure to the Asiatic Ionians, who, under the leadership of the expatriated noble families from Greece proper, began in the eighth century to resume their interrupted maritime energy.

We are now come to the beginnings of classical Greece. The flourishing days of the Mycænean culture have long passed away; the days of its decadence, when the poets of Asiatic Greece sang of its past glories, and the Phœnicians had usurped the place of the ancient masters of the Ægean, are passing away, and we stand on the threshold of a new order. But though the last traces of the Bronze Age culture of Greece are soon to die, we see that its influence will not die: "Greek civilization" as we know it is based almost entirely upon the civilization of the Mycænean period; the "Greek art" which we know is no new inspiration but is the direct descendant of the older art of Mycæne.

In the early art of Ionia the dominating influence of the Mycænean tradition is plainly visible: it

seems evident that the first impulse to the development of renescent Greek art arose in Ionia under the direct influence of works of the "Mycenæan" genius at the time of the vigorous renaissance of Greek activity in the cities of Ionia, after the migration of the remnants of the Achaian princely houses to Asia. At this time the artistic efforts of the European Greeks were confined to the barbaric designs of the "geometrical" style, which we have supposed to have been an introduction of the iron-using Dorians from the north. As the use of iron was gradually introduced from Greece proper into Asiatic Greece, so the Mycenæan artistic influence gradually found its way back to Greece from Ionia, and the modifications which it effected in geometric design are easily traceable. The connecting-link between the two styles of art was provided by the islands of the *Ægean*: the Dorians, advancing from the Peloponnese by the way of Melos, Thera, and Crete, reached Rhodes, of old a stronghold of Mycenæan influence, while the Ionians of Attica and the Cyclades, who had possibly in reality not established any firm foothold in continental Greece until after the Dorian invasion, brought their artistic ideas into connection with those of the artists of the *Dipylon*. The reciprocal influence which the one style exerted on the other soon brought about the creation of the independent styles, combining many characteristic features of both, which we have already mentioned when tracing the general history of early Greek civilization. It might naturally be expected that these eclectic styles would first arise in the

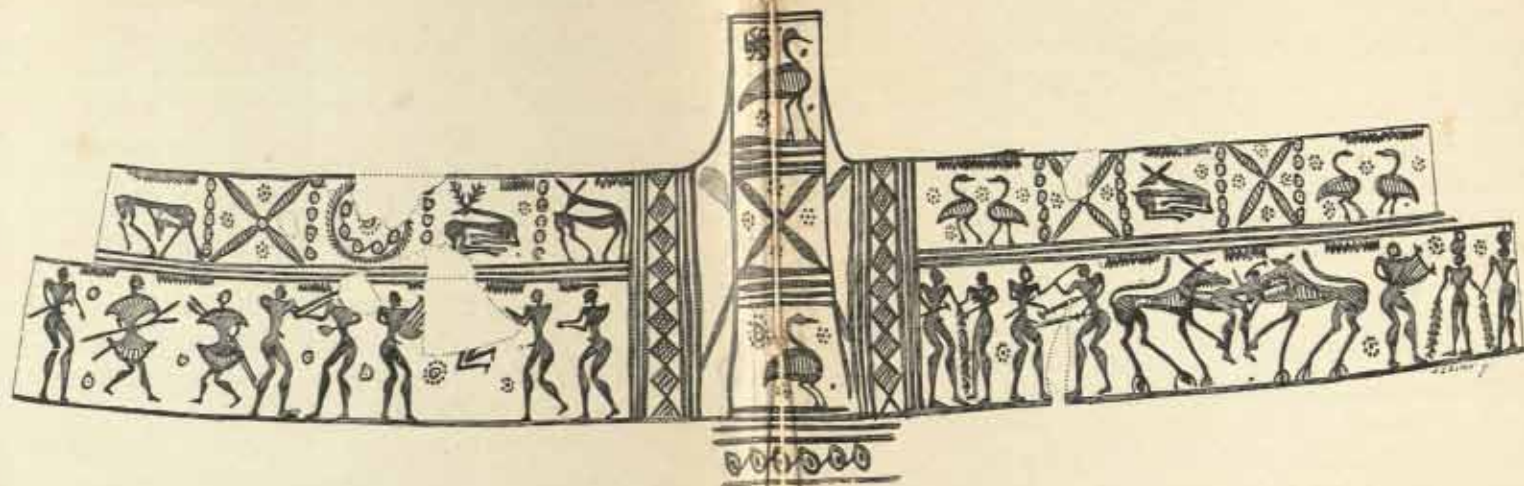


FIG. 61.—Decoration of a Late Geometrical Vase.

Left upper register: Deer, rosettes, &c.

Left lower register: Pyrrhic dance; wrestling; musician;
men leaping and clapping hands.

Centre: Birds, rosettes, &c.

Right upper register: Birds, deer, rosettes, &c.

Right lower register: Man and woman conversing; combat; lions devouring a man; musician; two women bearing *hydriai* and holding branches.

Below: Debased spiral decoration.

(PERROT-CHIFFREZ, *Hist. de l'Art*, vi, Fig. 66; *Arch. Zeitg.* 1885, pl. viii.)

Ægean islands, which lay midway between, and connected, the two cultures. And this is the case: two of these new styles of art, exemplified only in the domain of vase-painting, first arose in Melos and Rhodes, the two islands in which the Dorians must first have come into contact with the Asiatic Greeks. We have seen that the coming of the Dorians to the southern islands of the Ægean cannot have taken place till the beginning of the eighth century at the earliest, so that the independent Melian and Rhodian styles of vase-painting can hardly have begun to exist before the end of that century. To the Rhodian style the Daphnian, Naukratite, and Cyrenaic styles which arose among the Greek colonists of Africa in the seventh century owed their inspiration. Attempts have been made to show that it was really of Argive origin, chiefly because the Dorians of Rhodes came from Argolis; by them it is supposed to have been brought to Rhodes.¹ This theory would assume that the conjunction of Mycænæan and Geometrical elements which produced this style took place in Argolis, as the similar conjunction which produced the "Phaleric" style took place in Attica, but vases of this type are apparently not in their own home in Argolis, and it seems much more natural to suppose that this style first originated in Rhodes, whither the Geometrical influence which helped to form it had been brought by the Dorians. This style was also much affected by oriental influence. From the pure Mycænæan and Geometrical styles of vase-painting oriental elements were

¹ KEKULE, *Rhein. Mus.* xliii. (1888) p. 481.

entirely absent; their presence in the derived styles was due, as has already been said, to Phœnician, Lydian, and Cypriote influences, which now became for a while dominant in Greece. The style called "Proto-Corinthian," apparently because the true Corinthian style was developed from it, appears to have had no special connection with Corinth. A great find of Proto-Corinthian ware has been made in Ægina, but this is hardly sufficient to warrant our ascribing its origin to that island. It is much more probable that it originated in Ionia and in the islands off the Ionian coast, possibly at Miletos, the ancient ally of Ægina,¹ or in Samos, whence it may have passed to Chalkis, which was apparently a great centre of its distribution, since it is largely found in Bœotia and also in Sicily, where there were Chalkidian colonies. Although our knowledge of the development at this time of forms of art other than vase-painting is comparatively scanty, yet we know enough to enable us to see that the same mixture of Mycænæan, geometrical, and oriental designs was as characteristic of bronze-working,² and probably also of wood- and

¹ PALLAT (*Ath. Mitth.* 1897, p. 273 ff.) notes that in Ægina the Proto-Corinthian style developed in a manner peculiar to the island.

² Cf. the bronze objects of this period from Olympia (FURT-WÄNGLER, *Bronzefunde von Olympia*) and the bronze reliefs published by DE RIDDER, *De Ectypis quibusdam aeneis*, Paris, 1896. The bronze shields, bowls, &c., with mixed oriental designs, from the Idæan Cave in Crete (HALBHERR and OESI, *Museo Italiano*, ii. (1888) pp. 689-904), and the bronze bowls with similar designs found in Cyprus and elsewhere are of Phœnician, not Greek workmanship; they appear to be mostly of ninth to seventh century date; none hitherto found can be referred to the same

ivory-carving, at this period as it was of vase-painting. This mixed style of art seems to have been the creation of the Ægean islands which lie nearest to the Asiatic coast, and in these islands the movement which resulted in the expulsion of the extraneous oriental element and the inception of the Hellenic art of the classical period seems also to have taken its rise. The earliest Greek artists whose names have come down to us were mostly islanders of the Ægean. In Crete the tradition of the Dædalids, whom we have seen reason to regard as representing the artists of the Mycenæan age, had been handed down to successors whose renown reached far beyond the limits of their island, so that they were often summoned to exercise their skill in the states of continental Greece, and most of the artistic pioneers of the new order in the seventh century were either Cretans or islanders of the Asiatic coast.

The general condition of Greece at this time was most favourable to a renewed growth of art and general culture. The eighth century heard the last echoes of the Dorian migration and its attendant wars and wanderings die away, and saw the final retreat of the foreigners from the Ægean. The new development of culture, originating, as we have seen, in the meeting-place of the old and the new elements of Greek civilization, then progressed apace. The growth of wealth which followed the taking over of the chief means of gaining wealth in a country like Greece, seaborne commerce, by the

date as the purely Egyptian bowl (c. 1500 B.C.) with which v. BISSING compares them (*Jahrb. Arch. Inst.* xiii.; 1898).

Greeks from the Phœnicians, not only aided this development directly, but also helped it on in an indirect manner. In those states of Greece which were favourably situated for purposes of commerce almost the whole wealth of the State was in the hands of the richer nobles,¹ whose power consequently became so great that the time-honoured authority of the kings passed into their hands. The demands of the wealthy rulers of the cities for more magnificent houses for themselves and for the gods, for more elaborate gifts to the temples and more splendid public processions and embassies whereby they might make their riches and power apparent to all men, naturally brought about a great artistic development; the artists flocked to those states in which the fullest means and scope were offered for the exercise of their talents.

The great increase of commerce and consequent increase of wealth and luxury in Greece at this time was also due to a great extent to the founding of the Greek colonies outside Greek waters; the colonies also acted as expanders and carriers of Greek culture in all directions outside Greece. Most of the colonies must have been carefully planned for commercial

¹ The name of the aristocratic rulers (*cf.* WHIBLEY, *Greek Oligarchies*, p. 116) of Miletos, 'Ἀεραῖται, is significant. We may be sure that the word means what it purports to mean. It is probable that, like the Milesian nobles, the Geomoroi of Samos and the Hippobotai of Chalkis owed almost as much of their wealth to the seaborne commerce of their respective states as to their agriculture or horse-breeding. No doubt the gentlemen did not haul with the mariners, but that the gentlemen received the profits of the voyages of many of the mariners is probable enough.

purposes and in pursuance of a definite commercial policy by the rulers of the colonizing states, who sent out with each expedition a member of the ruling house as oikist. The movement seems to have begun soon after the Greeks had entered into full possession of the Ægean—*i.e.*, not till the end of the eighth century. The traditional dating of the founding of the first colonies can hardly be taken to be more than fairly approximate guess-work. Even as late as about 650 B.C. we find that the Ægean had not yet become entirely Hellenic or even hellenized; about that time the Parians took Thasos from its Phœnician and Thracian inhabitants and colonized it.¹ Thasos lies on the flank of the route from the Greek lands to the Hellespont, so that it would seem that it cannot have been long before it became necessary to seize the island if the colonies in the Propontis and Black Sea were to be safely established. And it was to the Propontis that some of the earliest colonizing expeditions were directed. The founding of Kyzikos and Sinope by the Milesians, who were among the

¹ The generally accepted date for the colonization of Thasos is 708 B.C. CURTIUS accepts Dionysius's date, 720. But this is impossibly early, for this reason. In the expedition to Thasos took part the poet Archilochos, under his father, Telesikles, the leader of the expedition. Now Archilochos is said by Herodotos (i. 12) to have lived in the reign of Gyges of Lydia. Herodotos's date for Gyges, 716 B.C., is well known to be no less than sixty years wide of the truth. Gyges was a contemporary of Ashurbanipal and Psammetichos I., and his *floruit* may be placed c. 650 B.C. This date is confirmed by the fact that Archilochos mentions a total eclipse of the sun which took place at midday of April 6, 648 B.C. And it was probably in Thasos that he saw it (BURY, *Hist. Gr.* p. 119).

first Greek colonizers, cannot therefore have taken place much before 720 B.C., and the western colonies, Korkyra, Syracuse, Naxos, Rhegium, and the rest, can only have been founded a good deal later.¹

The expansion of the Greek world into the Black Sea and into Western waters in the seventh century naturally led to the establishment of a most vigorous commercial connection between East and West, which passed along regular competing trade-routes, which were controlled by the state through whose ports and waters they ran. The states which controlled one route were naturally bound to one another by the tie of mutual interests and by a common hatred for the states which controlled a rival and competing route. This commercial competition finally culminated in bringing almost the whole of Greece into two opposed alliances, each of which controlled a rival

¹ If we suppose that the first colonies in the Propontis and Black Sea were founded in despite of possible danger from the flanking position of Thasos, such dates as those of 770 B.C. for the founding of Sinope, 756 for that of Kyzikos, 734 for that of Syracuse, seem far too early. The very exactitude with which the dates are given render them open to suspicion. If it is true that these dates fit in so nicely that it is a pity to disturb them, it is no less true that the Syracusan date is in direct conflict with the evidence of the *Odysssey*, that far on into the eighth century Sicily was not much better known to the Greeks than Central Africa was to us a hundred years ago. That the Milesians and Samians may have penetrated into the Propontis and Black Sea as early as the first half of the eighth century is, since we know that the Ionians began to bestir themselves at least as early as the beginning of that century, just possible; but that the Corinthians founded Syracuse as early as 734 seems impossible. And the "Protocorinthian" pottery which, as we shall see, immediately followed the last Mycenaean vases in Sicily, cannot possibly be dated as early as 734.

commercial route from Asia to continental Greece and the West. The respective mainsprings of these two alliances seem to have been the rival cities of Chalkis and Eretria in the island of Eubœa. A very ancient alliance, which probably dated from Mycenaean times, connected the cities which lay on the coast route, running through the Euripus, which connected the old Mycenaean centres on the Pagasæan Gulf and in Bœotia with those of Argolis; the central point where the delegates of the allied cities met was the temple of Poseidon in the island of Kalaureia, off the Argolic coast.¹ When the over-sea expansion of the Greeks began, the League of Kalaureia seems to have become the basis of a new commercial alliance, connecting Asia with continental Greece and the West. We may picture to ourselves Ægina and Athens now combined with Eretria, the central point of the new league, and with Paros, to connect Miletos, the first Asiatic city to embark in commercial adventure, with Megara, the Argolic cities, and the Peloponnesian coast-towns round to the Corinthian Gulf. At the end of the eighth century the Eretrians colonized Korkyra, and somewhat later the Achæians passed on to the Italian coast and founded Sybaris, which always remained in alliance with the far eastern member of the league, Miletos. Chalkis became the centre of

¹ Lately excavated; Mycenaean pottery found (cf. FRAZER, *Paus.* iii. p. 285; v. p. 896). V. WILAMOWITZ-MÖLLENBORG's explanation of the Amphictiony (*Nachrichten v. d. kgl. Gesellschaft der Wissenschaften zu Göttingen*, 1896, p. 158 f) seems hypercritical. STRABO (viii. 374) does not mention more than a common offering of the states concerned, it is true; but this implies an ancient alliance.

a new confederacy, founded in opposition to that of Eretria. Samos, the rival of Miletos, Naxos, the rival of Paros, and Corinth, the rival of Ægina, combined with Chalkis to exploit another commercial route which passed by the Isthmus of Corinth, across which ships could easily be hauled from the Eastern to the Western sea. The favourable commercial position of Corinth soon assured the predominance of the Chalkidian alliance in the West; Korkyra was taken from the Eretrians, and thereafter only one or two colonies were established by the cities of the rival league in Italy and Sicily. In the East, however, the Eretrian League well maintained its position, and Miletos and Megara dominated the Hellespontine region. But the unfavourable result of the Lelantine war severely affected the allies of Eretria as well as herself. From this time (about 650 B.C.) the importance of Miletos began to decline, and Samos came more to the front. Samian colonies were established in the Propontis, and the Chalkidians occupied the peninsulas of Chalkidikê. Corinth increased rapidly in wealth and power, while Ægina and Megara correspondingly declined, and were henceforth chiefly occupied with their struggle against the growing power of Athens.

The renascent art of Greece, which, as we have seen, first arose in the Ægean Islands, was carried into the Black Sea and to the West by the Hellenic colonists. Of its influence in the Euxine lands we have no knowledge, but in the West we can trace its influence at once. First, however, a few words must be said with regard to the

place of the Western lands in the early post-Mycenæan period before the coming of the Greek colonists, although we have already touched upon the subject when dealing with the question of Phœnician activity in them at this time. We have seen that remains of Mycenæan culture exist in the West though they are scanty, and also apparently late in date. That the destruction of the Mycenæan power in Greece was followed by a temporary cessation of sea-communication between Greece and the West is possible; certainly the silence of the *Iliad*, to which the Western lands are unknown, points in this direction. In the *Iliad* we find the islands which lie immediately opposite the entrance to the Corinthian Gulf inhabited by a people of apparently Achaian blood, and united under the rule of an Achaian prince; but farther to the West nothing, no hint of commerce with Italy. In the *Odyssey*, which marks a later stage of the "Homeric" culture than the *Iliad*, the Western lands have, on the contrary, become of great interest to the Greeks. But as yet there is no hint of the new Greek colonies which were soon to be founded in Italy and Sicily. Although Greek mariners have begun to explore the Western seas again, they are still to a great extent comprised within the realm of fairyland; Sicily is a land of giants, Scylla and Charybdis still devour unwary sailors, and the automatic ships of the Phæacians still dart across the Western waters. Beyond the confines of the Ithakan kingdom exact knowledge of the West ceases;¹ but

¹ The non-mention of Korkyra in the Homeric poems is curious; it is very improbable that it is Scheria, which is probably a purely imaginary land.

that commercial connection with Italy was in existence is shown by the mention of the Taphian traders who sailed to Tempsa¹ in Italy to obtain copper in exchange for iron. It may be asked how far the ignorance of the West displayed by the Homeric poets may be due simply to the fact that they lived in the cities of Asia. It is, however, probable that in the ninth and eighth centuries the Asiatic Greeks knew as much of the West as the, at that time, less venturesome Greeks of Europe. So it does not seem likely that the total ignoring of the West in the earlier poem can be due merely to ignorance of lands known to the continental Greeks. It seems most probable that the convulsion which brought the Mycenaean age to an end in Greece proper also severed the communication between Greece and the West; that this communication was restored to a certain extent by the Phœnicians, but not completely until the Ionian seafarers first ventured into the Western seas. When the *Iliad* was first composed, the Ionians had probably not yet penetrated into the West; the *Odyssey* probably owed its inspiration to the travellers' tales of the earliest Milesian or other Asiatic voyagers to the "evening-lands." It is noticeable that in the Sicilian tombs the Mycenaean vases are immediately succeeded in order by those of the Protocorinthian styles of the seventh century; geometrical vases are present, and the geometrical style exercised a dominating influence upon the native pottery of this period both in Sicily and Italy, but these geometrical vases, imported and

¹ *Od.* i. 184. It seems probable that "Temesa" was Tempsa in Italy, and not Tamassos in Cyprus.

native, were contemporary with the Protocorinthian types.¹ It seems, therefore, probable that Mycenaean and Mycenizing vases were used in Sicily down to the time of the coming of the first Greek colonists from Corinth, in spite of the cessation of regular communication which is indicated in the Homeric poems.

The advent of the Corinthian colonists with their Chalkidian and Naxian allies to Sicily was then marked by the supplanting of the Mycenaean vases which had been so long esteemed by the islanders by the products of the Ionian and Corinthian potters of the seventh century. In Italy not only the true Corinthian but also the Chalkidic style dominated the market in the latter half of the seventh and during the sixth centuries; through Corinth and Chalkis the other arts of Greece came to Italy, and soon made their effect felt on the more primitive native arts, which had been, especially in the domain of bronze-work, strongly imbued with the Mycenaean tradition. Phœnician influence had also been very marked, especially in Etruria. But the advent of the Eucheires and Eugrammoi of Corinth and their fellows of Chalkis soon made the new Greek influence felt in Etruria, and the already mixed art of the Etruscans very soon became clothed in a Hellenic form, which it henceforth retained.²

During the seventh century the commercial activity of the Greek states of the Ægean was also directed towards the south-east. After the expul-

¹ ONSI, *Röm. Myth.* xiii. p. 363; PETERSEN, *loc. cit.* xiv. p. 163 ff.

² On early Greek artistic influence in Italy, see further, *Addenda*, p. 322, *post*.

sion of the Phœnicians of Rhodes by the Dorians, an event which probably took place in the eighth century, the new settlers must soon have come into contact with the Greeks of Cyprus.

Cyprus did not pass through the same experiences as the Ægean Islands at this period. Untouched by the Dorian invasion, and the confusion which followed that event, the Cypriotes lived on in the enjoyment of great material wealth derived from their practical monopoly of the trade in copper, and their favourable commercial position halfway between Greece and Phœnicia or Egypt, and meanwhile the Phœnician element in the island grew and increased. The only Cypriote prince mentioned in the *Odyssey* is a Greek, Dmêtôr, son of Iasos,¹ but Paphos is already noted as the favourite abode of the Phœnician Aphrodite,² and in the earlier poem the chief king of the island, who had direct dealings with the Mycænæan kings of the former age, is already the Phœnician Kinyras of Paphos, who sent to Agamemnon a cunningly-worked corslet:

πέθετο γὰρ Κύπρονδ' ἄγα κλίος, οὐνικ' Ἀχαιοὶ
 ἐς Τροίην νήεσσιν ἀναπλεύσεισθαι ἔμελλον·
 τούνικά οἱ τὸν ἰδῶκε χαριζόμενος βασιλῆι.³

Suddenly, towards the latter part of the eighth century, the Cypriotes were conquered by the Assyrians. Since the Assyrian attack was directed mainly against the Phœnician cities of the island, in spite of the imposition of a Semitic domination the Semitic influence, which had been silently growing

¹ xvii. 443

² *Od.* viii. 362.

³ *Il.* xi. 21 ff.

in Cyprus for many centuries, with the result that at the beginning of the seventh century the culture of the island was fast becoming semitized, does not seem to have affected the power of the Cypriote monarchs. In the next century the Assyrian power was reasserted in Cyprus by Esarhaddon, to whom apparently ten Cyprian princes tendered their homage. These were Aigisthos of Idalion, Pythagoras of Chytroi, Keisos or Kissos of Salamis, Etewandros of Paphos, Heraios of Soloi, Damasos of Kurion, Admêtos of Tamassos, Onesagoras of Ledra, Pytheas (?) of Nure, and the king of Kartikhadasti, Damusi, who is apparently the only Semite mentioned, all the rest being Greek Cypriotes.¹ The great extent

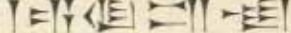
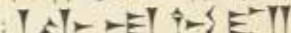

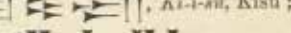

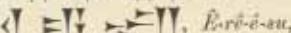
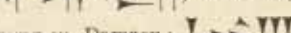


¹ Cylinder of Esarhaddon, Brit. Mus. No. 91030, published in RAWLINSON, *Western Asiatic Inscriptions*, iii. 16, col. v. 19-24; BUDGE, *History of Esarhaddon*, pp. 105, 106; remarks by DELITZSCH, *Wo lag das Paradies?* pp. 292, 293. The Assyrian forms of the Greek names given above are , *Ē-ki-iš-tu-su*, Ekishtusu; , *Ē-pi-la-gu-ra-a*, Pilagora; , *Ki-i-su*, Kisu; , *I-tu-u-an-da-ar*, Ituwandar; , *Ê-rê-ê-su*, Êrésu; , *Da-ma-su*, Damasus; , *Ad-me-zu*, Admezu; , *U-na-su-gu-su*, Unasagusu; , *Pu-qu-zu*, Putsuzu. The identification of Êrésu as Héraios seems pretty certain, that of Putsuzu as Pytheas perhaps doubtful. The rendering of Onesagoras as *Unasagusu*, dropping the *r*, is in accordance with Assyrian methods of transcription, as is also the representation of *θ* by *l* in *Pilagora* = Pythagoras: cf. *Pisamilki* = Psamithik, Psammitichos.



FIG. 6a.—Scene on a Late-Mycenaean Vase from Cyprus (Peters-Carrara, iii, Fig. 326).

of the portion of the island occupied, or dominated by, the Greeks at this time is shown by the number

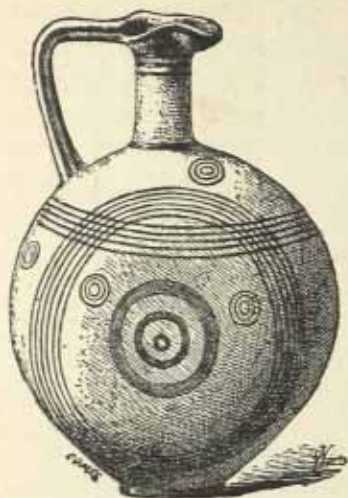


FIG. 63.—Cyprian Vase with design of concentric circles (PERROT-CHAPIEZ, iii. Fig. 497).

of the Greek kings in this list. It must have been about the time of this second assertion of Assyrian authority that the old debased Mycenaean art of Cyprus came to an end; it was succeeded, as has been said, by a mixed culture in which Phœnician elements predominated. The Cypriote vase-ornamentation of the latter half of the seventh century, for

instance, is sometimes conceived in feeble imita-

Pythagoras, Onesagoras, and Eteandros are typical Cypriote names: what is most noticeable about the others is their *archaic* type; such names as Aigisthos, Admêtos, and Keissos take us back into heroic times, and certainly have a strong Mycenaean-Achaian flavour about them: an early Dorian prince of Argos, son of Temenos and father of Althaimenes, was named Keisos. The king of Kition is not mentioned in this inscription. The site of Nurê has not yet been identified; the Assyrians also call the place *Upridišsa*, which certainly indicates a Greek *Ἀφροδισία* or *Ἀφροδισιον*; a town of the name on the north coast is mentioned by STRABO, xiv. p. 682. This is probably the Nurê-Upridišsa of the Assyrians. The inscription is dated in the eponymy of Atar-Ilu, B.C. 673.

tion of Mycenæan designs, sometimes is Assyrian in character (the effect of the Sargonide domination being here strongly marked), and sometimes employs the well-known mixed motives of Phœnician art. In Cypriote pottery of this time another element, derived from Mycenæan ornament, but peculiar to Cyprus, is also noticeable, the design of concentric circles, to which reference has before been made. This directs our attention to those other peculiarly Cyprian characteristics which are very marked at this time, and which always differentiated the culture of Cyprus from those of its neighbours, however



FIG. 64.—Cypriote Pictographic Inscription, from Enkomi.

strongly it was permeated by Hellenic and Semitic elements. The most striking of these peculiarly Cypriote characteristics was the syllabic script which was used by the Hellenic inhabitants. The earliest known specimens of this writing belong to the end of the Cyprian Mycenæan period,¹ and so probably date to the eighth century. It has been supposed to have been developed from the ancient pictographic system of Crete; more probably it was developed from a native Cypriote system analogous to that of Crete: a specimen of this system has been found at Enkomi, and is illustrated above (Fig. 64). It has

¹ MURRAY, *Excavations in Cyprus*, p. 27.

been published by Dr. Murray in the British Museum publication of the excavations there, together with two other inscriptions, apparently contemporaneous with the first, which seem to mark the transition to the ordinary Cypriote character.¹ The Cypriote script was probably not of Hellenic origin, since it is so extremely badly adapted for the expression of Greek, and it was never communicated by the Cypriotes to the other Greeks, so that it can never have had much influence upon the development of Greek writing. That it was a relic of the præ-Hellenic and præ-Phœnician Cyprians seems, therefore, probable, and this conclusion naturally leads us to suppose that the Cretan pictographic script also was originally the vehicle of a non-Aryan language, and was of "Pelagic" origin. Lycian and Karian must be the tongues most nearly related to the original language of the Cretan and Cypriote scripts.²

The various foreign influences in Cyprus had already in the seventh century greatly differentiated the Cypriotes from the other Greeks. The political changes and colonizing movements which marked this century in the mother-land found no echo in Cyprus, where in the fifth century kings still ruled, and whence no Greek colony derived its origin. Assyrian influence also preserved in Cyprus the use of the war-chariot till the end of the sixth

¹ MURRAY, *Excavations in Cyprus* Figs. 58-60.

² Of course this does not exclude the possibility that these scripts may have been used at Mycenæ, in Crete, and in Cyprus to write Greek during the later Mycenaean period, as the Cypriote syllabary was used after Mycenaean times.

century;¹ in Greece it had been relegated to the games over a hundred years before. As ever, the civilization of Cyprus was more than a century behind that of the rest of Greece. Another cause of this lagging behind and of the growth of Semitic influence in the island was the circumstance that Cyprus was no longer the halfway house between Greece and Egypt; the direct route from Rhodes and Crete, first regularly essayed by the Cretan pirates of the eighth century, was now in general use. This meant a considerable diminution in the amount of sea-traffic between Greece and Cyprus.

The opening up of this direct route soon brought the mariners of Ionia and Rhodes to the mouths of the Nile, and Greece was once more brought into communication with Egypt after what seems to have been an almost total cessation of regular connection which had apparently lasted for at least three hundred years. Whereas in the heyday of the Greek culture of the Age of Bronze the Phœnicians seem to have played merely the part of carriers between Mycenæan Cyprus and Egypt, at the beginning of the Iron Age we find that all commerce between Greece and the East had passed into their hands. Between Syria, Cyprus, and Greece they trafficked very largely, but with regard to Egypt, however, the case seems to have been somewhat different. Owing probably to the decadent and disturbed condition of Egypt, and the as yet unsettled state of Græce, but little commerce seems to have been carried on between the two countries; it

¹ *Hdt.* v. 113.

is worth notice that hardly any scarabs of Egyptian monarchs of this period have been found in Greece and in Cyprus,¹ while not a single pot or sherd of the Geometrical or debased Mycenæan styles appears to have been yet found in Egypt. It is true that whereas the masterpieces of Mycenæan art had been highly prized in Egypt, the crudities of the "Dipylon" vases and the puerilities of "sub-Mycenæan" art would only have excited derision there; but the entire absence from Egypt of the works of the Greek artists of the Homeric period does not merely show that there was no market for them in Egypt: taken in conjunction with the fact that the Egyptian objects of this period, which would surely have been in great demand in Greece, have hardly ever been found there, it shows that there was but little communication between the two countries at this time. In the *Iliad*, the nearer of the two poems to the time of general chaos which followed the Return of the Herakleids, there is but one reference to Egypt, the famous passage mentioning Egyptian Thebes with her hundred gates, out of which twice a hundred men are wont to pass with horses and chariots.² This passage must date to the ninth century at latest, as by the next century the glory of Thebes had departed.³ In the *Odyssey* Egypt is

¹ See Addenda, p. 313.

² *Il.* ix. 381 ff.

³ This passage depicts a state of magnificence at Thebes which in the ninth century was becoming a memory, and in the eighth had passed away, after the destruction of the city by the contending Ethiopians and Assyrians. To mark lines 383, 384 as a later addition, as is often done, is shown by our knowledge of Egyptian history to be impossible.

better known. It is a wonderland of wealth and of almost superhuman knowledge.¹ The mouths of its mysterious river are the chosen haunt of the *ἄλιος γέρων*,² but nevertheless afforded good landing-places for roving pirates from Crete and other Greek islands, who, no doubt, found the fat lands of the Delta well worth the harrying, despite the penalty of lifelong labour in quarries or on irrigation-works which would betide a prisoner of the Egyptians.³ The usual route for the few Greek ships which adventured the voyage to the Nile-mouths passed apparently by way of Cyprus, as in past days; this was the route followed by Menelaos, *δολιχὴν ὁδὸν ἀργαλίην τε*.⁴ But in the already quoted passage of the *Odyssey* (xiv. 257 ff), which can by internal evidence be almost certainly dated to the end of the eighth or beginning of the seventh century,⁵ a Cretan ship ventures with a fair north wind on the direct passage from Crete to Egypt, but the voyage is evidently considered a very daring one, and only likely to be attempted by a reckless Cretan pirate. In the course of a few decades, however, this direct passage must have become more generally used, but during the Homeric period properly so called, that is to say, during the ninth and eighth

¹ *Od.* iv. 127, 228 ff.

² *Ib.* iv. 365, 385. Proteus was probably located at the Nile-mouths by Cretan sailors; the *ἄλιος γέρων* was especially venerated in Crete.

³ *Od.* xiv. 257 ff.

⁴ *Ib.* iv. 483.

⁵ The description of the "king" repelling in person an unimportant raid of sea-rovers dates this passage with certainty to this time, when the Delta was ruled by a number of small kinglets.

centuries B.C., commerce at least can only have been carried on between Greece and Egypt in Phœnician ships by way of Rhodes and Cyprus. And this commerce seems to have been practically non-existent.

Of the new route to Egypt the Cretans were, no doubt, the pioneers; yet it is not to them that the credit of the revival of communication between Egypt and Greece is due. Although some slight indications lead us to think that the Cretans of Axos and Itanos took some part in the first foundation of Cyrene,¹ yet, as a general rule, the Cretan sailors had now become mere wandering adventurers, with no taste for commerce or desire to colonize. Korobios the Cretan led the way to the African coast; but at Naukratis no Cretan city possessed a factory. United, the Cretans might have done much as merchants and colonizers, but divided as they were by fierce intestinal feuds they did nothing, and left the lucrative traffic from the South and West entirely to others, who were not slow to take advantage of the way which the Cretans had shown them. The opportunity was good; the Phœnicians, half-paralysed by the presence of the Assyrian within their gates, had practically withdrawn from Greek waters; the cities of Ionia, to which the culture of the Mycenaean age had retreated before the Dorians, had seen the birth of the renewed energy of Hellenic civilization; Egypt was about to free herself from the nightmare of alternate Ethiopian and Assyrian domination which had so long oppressed her, to enjoy a short period of peace and artistic renaissance under the guidance of

¹ Hdt. iv. 154, 151.

the kings of the XXVIth Dynasty, who showed no desire to hamper the re-establishment of communication with the Greeks, but rather aided it by all the means in their power, short of directly offending Egyptian conservatism. The first Greeks to follow in the steps of the Cretans to the Nile-mouths with the object, however, not of piracy but of more or less peaceful trading, came undoubtedly from the greatest of the Ionian cities, Miletos, in the first half of the seventh century B.C.;¹ the Milesians must soon have

¹ It was about 650 B.C. that Gyges of Lydia is said by King Ashurbanipal of Assyria to have sent troops to the aid of Psammitichos I., who had revolted from Assyria: these were the "brzen men" of Herodotos. It is natural to suppose that the original intermediaries between the Lydian and Egyptian princes were the Milesians, who are known to have been the first Ionian traders to visit Egypt. We are then justified in dating the original foundation of τὸ Μιλησίων τεῖχος, the forerunner of Naukratis, considerably before 650 B.C., though we cannot accept the absurdly high date (between 753 and 735 B.C.) assigned to it by MALLEY (*Les Premières Etablissements des Grecs en Égypte*, pp. 24 ff), chiefly on the authority of the utterly untrustworthy Eusebian list of thalassocracies. It might be supposed that STRABO (xvii. p. 681) indicates a later date for the foundation of Μιλησίων τεῖχος than 650, when he speaks of the Milesians sailing to the Bolbitine mouth with thirty ships and erecting their fort ἐπὶ Ψαμμίτιχον, but what he really means is merely that the fort was erected somewhere about the time of Psammitichos, in his reign or shortly before it. To suppose that because the parenthesis κατὰ Κυαζάρη θούτος ἢ τῶν Μήδων occurs in the same passage, that Μιλησίων τεῖχος was not founded until the years 634-615, during which Psammitichos and Kyaxarès reigned contemporaneously, is unnecessary, if not rather absurd; since the parenthesis, if not a mere gloss added long after Strabo's time, obviously refers merely in general terms to the fact that Psammitichos and Kyaxarès were roughly contemporaries (though in reality Kyaxarès belonged to a younger generation) and has nothing whatever to do with the founding

been followed by the Rhodians, whose isle lay now, as of old, on the road to Egypt, and by the hardy mariners of Ægina, both allies of the Milesians; nor can it have been long before the Samians and other rising commercial states of Greece joined in the lucrative traffic with Egypt, although we hear little of their presence there till the time of Anasis. But the Greek culture which now came into contact with the ancient civilization of Egypt was not that of old days; *that* had passed from the ken of the Egyptians in the eleventh century, when its exclusive dominion in the northern lands was overthrown by the Dorian invasion; *now* the Mycenæan culture, although its influence still lived in the new Hellenic culture which was radiating over the Greek world from the Ionian refuge of the Mycenæan tradition, was dead; its last stronghold in Cyprus had been taken, the Greek civilization of the Age of Bronze had finally given place to that of the Age of Iron, and with the cessation of the Bronze Age culture of Greece ceases our interest.

Of the relations which may have existed between the Greeks and the "Nearer East" of Asia Minor during the early post-Mycenæan period our knowledge is practically *nil*, because we have no real connected knowledge of the history of Asia Minor before *c.* 700 B.C. So that of the early relations of

of Μιλησίων ρεῖχος. We come then to the conclusion that the Milesians first reached Egypt somewhere between 700 and 650.

the Ionian cities with the peoples of the interior we know nothing. We hear vague accounts of attacks made by the newcomers from continental Greece upon the old Greeks of the Asiatic coast,¹ and also upon the settlements of non-Greek tribes near the sea, of the killing of the men and the taking of their women to wife by the invaders, but all this sounds very like the invention of a later age; it ought to have been so, and so it was so. Of real contact with the inlanders, nothing. We have vague visions of a mighty and semi-fabulous "Hittite" empire, identified by some with the kingdom of the Amazons on the Thermodon, to which the hieroglyphed monuments of Eyuk and Boghaz Kõi are assigned; but of its history we know nothing, other than that the characteristics of its art point to its being not much older than the eighth century B.C. Of relations between it and the post-Mycenæan Ionians we have no more title to speak than we had to speak of such relation between it and the "Mycenæans." We see vague glimpses of a chaos, in which hordes of invaders from Thrace sweep over the land, crossing and re-crossing each other's path, and mixing themselves inextricably with the older non-Aryan inhabitants of the land; but all is dark and confused, and nothing certain arrests our view until we reach the eighth century and the name of Midas. If he, and none

¹ Cf. the fight of the new emigrants to Kolophon with τοῖς ἐν Κολοφῶνι Ἑλλησι, the Greeks who had lived in Kolophon before the "Great Migrations."—PAUS. vii. 3. These earlier Kolophonians are connected in legend with Crete and with Bœotian Thebes (Legend of Rhakios and Manto and their son Mopsos; PAUS. *loc. cit.*).

other, is the "Mita of Muski" of whom the Assyrian records speak, the Phrygian kingdom was in his days a powerful State, which could wage war upon the borders of Cilicia with the Assyrians.¹ Whether we are to date the famous rock-cut tombs of Phrygia to his time or to an earlier period contemporaneous with the heyday of Mycenæan culture is uncertain; if they date to the eighth century, as seems most probable, they show that the Phrygian art of the time, no doubt originally of the same European Bronze Age type as that of Mycenæan Greece, was still predominantly Mycenæan in character;² the Mycenæan influence still existed, for the Homeric culture, the culture of the Asiatic Greeks of the ninth and eighth centuries, was still Mycenæan, though decadent. The establishment of the Phrygian monarchy of Midas was apparently soon followed by the consolidation of the

¹ WINCKLER, *Völker Vorderasiens*, p. 25, asserts the identity of Mita with Midas dogmatically enough. But he cannot prove the identity, and from the days of Tiglathpileser I. (B.C. 1100), when the land Muškaya is first mentioned in Assyrian history, to the days of Herodotos, who speaks of the Μόρχοι as forming part of the XIXth Persian satrapy (iii. 94; vii. 78), the people of Muski and their fellows of Tabali (Μόρχοι and Τιβαρηνοί, Mesbech and Tubal) lived in Eastern Pontus and the borderlands of Armenia and Kolchis, nowhere near Phrygia. Mita does not appear as a great monarch: he is mentioned merely as a local kinglet, allied with the kings of Tabali and Urartu (Ararat) (*Inscr. Khorsabad*, 31). So that his identity with Midas is by no means so certain as Dr. Winckler opines. (Cf. DELITZSCH, *Wo lag das Paradies?* p. 250.)

² *E.g.*, the use of the cross in decoration occurs in precisely the same way on gold plaques from Mycenæ (SCHUCHHARDT, *Schliemann*, Fig. 232) and on the façades of the Phrygian tombs (PERROT-CHIFFEZ, *Hist. de l'Art*, v. Fig. 48).

Lydian tribes into a powerful kingdom under the Heraclid Dynasty, and the Greek cities of the coast now found their immediate neighbourhood occupied by two or three native kingdoms, consolidated, powerful, and highly civilized, which henceforward exercised for more than two centuries a profoundly modifying influence upon the course of Hellenic development. Their despotic monarchs were the models whom the Greek tyrants imitated in their virtues as well as their vices; to them the renascent civilization of Greece owed much. The poets, the artists, and the engineers of Ionia and the Isles were in great request at the Court of Sardis under the Mermnads, and the gifts which the Lydian kings gave to the holy places of Greece called forth the best artistic energies of their time. From Assyria came to Lydia, which was for a short time an Assyrian subject-state, a system of weights, of Babylonian origin, which was at the beginning of the seventh century developed by the Lydians and the Asiatic Ionians into the first known regular system of coined money; this invention must soon have modified the whole economic condition of Greece, and have contributed greatly to the general increase of wealth which marks the time; as the means of convenient exchange multiplied, so must trade have increased. Lydia also served as a transmitter to Greece of a certain amount of Assyrian influence in matters other than weights and measures; the "Proto-Corinthian" style of orientaling vase-painting, which seems to have first arisen in Ionia, probably owed much of its inspi-

ration to Assyrian models communicated through Lydia.

The extent of communication between Greece and Mesopotamia through Lydia and thence overland through Asia Minor must, however, not be exaggerated; there is evidence that the usual route from Assyria to Lydia was not overland, but *via* Phœnicia, and thence by sea. Ashurbanipal speaks of Lydia as "a land across the sea,"¹ and the Assyrians did not come into contact with it until after the conquest of Phœnicia and Cyprus.

After the fall of Nineveh, the Lydian kingdom, freed from Assyrian control, rapidly grew in power, and the Lydian kings were enabled to pursue undisturbed their great object, the conquest of the Ionian cities. This enterprise, which had begun under Gyges, attained complete success under Crœsus, and the political independence of the Greeks of the Asiatic mainland disappeared. Had not the transference of power in Asia from Lydia to the distantly centralized Persia now immediately supervened, it is difficult to gauge the effect which the continuance of a strong Lydian empire under successors of Crœsus might not have had upon the fortunes of the Greeks; the interest in and friendship for the states of continental Greece which was professed by the Lydian kings would without doubt soon have given place to the desire for political conquest, and Lydia, with her centre situated on the threshold

¹ GEORGE SMITH, *History of Assurbanipal*, pp. 71, 73; Brit. Mus. Tablet K. 2675, Rv. l. 13; Ashurb. Cylinder B, l. 86.

of Greece, might have succeeded where distant Persia failed.

On comparing the Bronze Age civilization of Greece with the mature culture of the Greeks we are at first struck by the many outward points of differ-

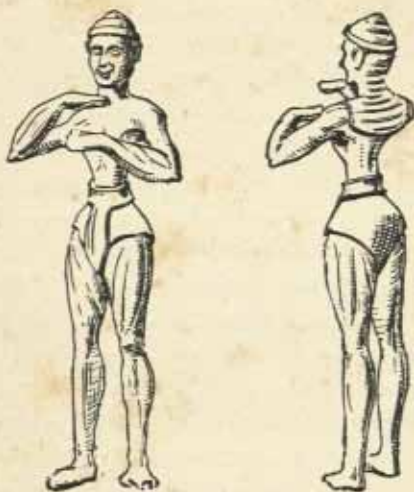


FIG. 65.—Leadén Statuette from Kampos, showing Mycenaean male costume (PERROT-CHIPIEZ, vi. Fig. 355).

ence between the two. In the matter of costume, for instance, the Greek of the early classical period differed entirely from the Mycenaean, to whom the fibula was practically unknown: who had worn, if a man, usually nothing but a waistclout, often of most gorgeous pattern (affording a barbaric contrast to the plain white *shenti* of the Egyptians), depending from a tight girdle of leather (probably orna-

X mented with metal), and sometimes further improved by a dangling network hanging down in front:¹ or on high festivals, if he was wealthy enough, also a striped and spotted robe (*cf.* Fig. 62);² if a woman, only a heavy flounced skirt or petticoat, which looks almost as if it were of Babyionian origin. Such a complete alteration of costume is rather remarkable in the ancient world: did the simple waistcloth belong originally to the Pelasgian forerunners of the Hellenes?

But when comparing the art of the Greek Bronze Age with that of classical Greece, while noting a hundred points of difference we can yet see that there are many points of resemblance. The graceful yet bizarre character of this art, which fits in so well with the bizarrerie of these demons and deities which we find figured on its gems or fashioned in its jewellery, and whom the later Greeks, for whom Homer and the priests of Delphi had elaborated an eclectic pantheon, appear to have regarded as more than half-foreign, seems un-Greek. Yet, if we look closer, we can see that in Mycenæan art there lies, despite its bizarrerie, a spirit which is Greek; it is in the reliefs of the Vaphio cups that it can be seen most clearly, but elsewhere it is rarely indiscernible. And so we naturally conclude that the thesis already enunciated in Chapter II. is correct,

¹ *Cf.* the frescoes of Knossos and of the Tomb of Rekhmara, the Kampos statuette (Fig. 65, above), Vaphio cups, &c.

² This is in all probability in reality the long trailing *χιτών* of the *Ἰδοίαι ἐλαχιτώνας* (*cf.* HELBIG, *Homeriche Epos*, p. 171 ff.). It is well represented on a gem from Vaphio, illustrated by TSOUNTAS-MANATT, p. 225, Fig. 111.

and that Mycenaean art and the Greek art of later days are in reality one. Nothing of the evidence which we have since passed in review causes us to alter this opinion; all goes to confirm the position that "archaic" Greek art was no new thing; it was a renaissance, developed originally in Ionia and the Aegean Islands in the main from the decadent art of Mycenæ and influenced on the one hand by the geometrical art of the Dipylon, a totally independent art-system, on the other by the Assyro-Egyptian *Mischkunst* of Phœnicia. Greek art was then in no way the sudden and amazing growth which it is usually considered to be; it grew quickly out of barbarism in the seventh and sixth centuries B.C., it is true, but it could only do this because it was merely recovering from a period of decadence; its original rise from primitive beginnings had taken place many a century before. Its traditions date back not merely a century or so before Pheidias, but many hundred years before to the time of the Achaian makers of the cups of Vaphio or the bull's head of Mycenæ, before them to the art of the proto-Mycenaean potters of Thera, Phylákopê, and Kamárais, and before them again to the rude marble figures of the Cycladic cist-graves and the black pot-fragments of Troy and Athens. From its Pelasgian origin through its stages of Achaian splendour and "Homeric" decadence to its re-birth in Ionia and the isles in the seventh century, Greek art is one and the same.

Nor, in comparing other phases of the Mycenaean

culture with the corresponding phases of the later civilization of Greece, is the first impression of strangeness altogether maintained. Too much, for instance, is made of the supposed difference of polity. The Mycenæan king lived in his high castle "fenced up to heaven" with his subjects cowering at his feet. "This is oriental!" says one. But fortified despotism is not necessarily oriental; Pelopids or Perseids, the kings of Mycenæ were Greeks, and there is no reason to suppose that the legends of their Lydian, Phœnician, or Egyptian origin really indicate anything more than the well-known fact of Mycenæan commerce and intercourse with Asia and with Egypt. And if the Minyans and Minoans were of Pelasgic descent, this does not make them Orientals, but rather "Urgriechen." "But they had harems, separate apartments for the women!" is reiterated. The deduction from this circumstance (which has, by the way, been doubted by some observers)¹ is inadmissible; the Athenians, who had *γυναικεῖα* in their houses, were Orientals then. Why need the Greek king ever have had any other than a Greek origin? Nothing non-Greek is to be seen in the little which we know of the Mycenæan polity.²

We have already seen that the importance of the change from burial to burning of the dead has been greatly exaggerated. The later Greeks buried as well as burnt, and the Mycenæans probably burnt as

¹ Cf. HOGARTH, *Authority and Archaeology*, p. 249.

² Cf. TSOUNTAS-MANATT, *loc. cit.* pp. 336, 337.

well as buried; in the early period it was more usual to bury.

In the religion of later Greece the demons and spirits whom the Mycenæan venerated still lived, and of them the huntress Artemis and the marine deities seem to have been the most important survivals; and who shall say that Zeus and Hera, even Apollo himself, were not worshipped by the Mycenæans as much as by their descendants?

The Mycenæan culture, then, though apparently differing widely enough from the culture of later Greece to make one doubt for an instant if it be Greek, is in reality not merely its forerunner, but also its immediate and direct ancestor. The whole of Greek culture, from the solid rock of the Athenian akropolis up, is one.

Survivals are always interesting, and no more interesting task could be taken up than the tracing out of the many survivals of Mycenæan days which still existed in the new Greece, the identification of those of the original timbers which remained when the ship was rebuilt. Owing to the present scantiness of our knowledge, in small matters such an attempt might perhaps lead to too exuberant a fancifulness of theorizing, but in greater matters, such as the survivals of Mycenæan state-organizations for instance, we may expect that such an inquiry would be attended with some certainty.

In a sense, of course, the majority of the Greek states were "Mycenæan" survivals; there are few

important Greek town-sites which would not, if carefully examined, show proof of unbroken occupation as far back as the præ-Mycenæan period. Athens has existed as an inhabited place from the earliest post-neolithic times, perhaps before 2500 B.C., to the present day. Yet classical Athens could hardly be called a Mycenæan survival, because, though its akropolis doubtless was the seat of an important town in prehistoric times¹—a presumption which its many heroic legends fully bear out—yet during the post-Mycenæan age, Athens, though an important seat of geometric art, seems to have fallen politically into a condition of complete insignificance, from which it did not emerge until the end of the sixth century. So that Athens was not “a Mycenæan survival” in the sense of a state which had retained its importance unimpaired from heroic times into the classical period.

The importance of Orchomenos no doubt lasted

¹ Was Athens from the first the most important city of Attica? It seems probable that *Prasiai* has a good claim to be regarded as having originally been a place of greater importance than the Athenian akropolis-city. In Mycenæan times it was certainly of great importance, as the remains of its citadel and the noteworthy results of the late excavations in its necropolis (cf. FRAZER, *Paus.* ii. 404, v. 522) show. It is represented by Pausanias (ii. 31) as the port to which the offerings of the Hyperboreans were brought and then forwarded to Delos: this is a hint of its early commercial importance. Further, it seems very probable that it was a very ancient member of the Kalaureian alliance (v. *ante*, p. 256). The other *Prasiai*, in Kynuria, is that mentioned as a member of the Amphictiony by Strabo (viii. 374); here the identity of name might argue connection, and the harbour of the Attic *Prasiai* lies directly on the route from the Euripus to the Saronic Gulf.

well into the classical age,¹ until, in fact, the struggle between the Leagues of Eretria and Chalkis for commercial predominance was decided; thereafter, Orchomenos fell back into an obscurity which was shared with her throughout later Greek history by her fellow, Iolkos: τὰ δὲ ἀπὸ τοῦ δαμονίου σφίσειν ἐς τὸ ἀσθενέστερον ἔμελλεν αἰὲν ῥέψιν.²

In Argos and Ægina, however, we have two states which may be taken as typical examples of Mycenæan survivals. Both Argos and Ægina were, as far as we can tell, important states in Mycenæan times and long before; the Larisa of Argos was probably one of the earliest Pelasgian settlements in the Peloponnese, over it Phoronens and the descendants of Proitos are fabled to have ruled long before the Perseids founded Tiryns and Mycenæ; while a Pelasgic connection between Ægina and Crete is indicated by common worship of the Pelasgian goddess Britomartis or Diktyнна, in Ægina called Aphaia.³ Both remained strong and wealthy throughout the period of Dorian conquest; the kingdom of Diomed seems stronger in the *Iliad* and more upstanding than the realm of Agamemnon, and Ægina was a home of Mycenæan wealth and Mycenæan art down to the end of the ninth century. After the Dorian invasion Mycenæ and Tiryns disappear; though they apparently continued to exist

¹ It can hardly be doubted that, until the rise of Corinth was consummated, the Minyan cities continued to form an important link between East and West, connecting the Ægean with the Corinthian Gulf and the kingdom of Odysseus overland, probably by way of Krisa.

² PAUS. ix. 37.

³ *Ib.* ii. 30.

at least until the time of the Pheidonian hegemony,¹ they do not, like Orchomenos, maintain their existence until the last days of Greek history; to all intents and purposes they disappeared when the Dorians entered the Peloponnese. With Argos the case was far different. The Dorians of Argos seem to have mingled more with the older population than did the Lacedæmonians; it is possible that the expulsion of Tisamenos was accomplished after less resistance than was offered to the conquest of the Eurotas valley. There is nothing to show that the Argive state was more than very temporarily eclipsed by the Dorian occupation, and it is permissible to think that there was a direct continuity, which was but little interfered with by the replacement of Tisamenos by Temenos, between the Argive kingdom of Diomed and that of Pheidon, which in the dawn of connected Greek history appears as the dominant state of the Peloponnese, and that this position of dominance was an inheritance handed down from late Mycenæan days, when Argos was beginning to eclipse its younger but hitherto more powerful rival Mycenæ. The Dorians found Argos becoming more powerful than Mycenæ, and so they naturally made Argos the seat of their power, abandoning Mycenæ.

In Argos then we have a true Mycenæan state-survival.

Ægina was in legend always closely connected with Epidaurus and the Argolic coast: it is evident that during the Mycenæan period the island was an

¹ *V. post.*, p. 291.

important dependency, first of the Mycenaean state, and later of Argos. The connection with Argos was always maintained; the Dorians who colonized the island, in all probability in the ninth century, came from Argos, and in later days when Ægina was attacked by Athens and Corinth, it was to Argos that the islanders turned for help.

The dominating position of Ægina in the Saronic Gulf would seem to mark her out as pre-eminently destined to become a commercial centre. As one of the most important members of the Kalaureian Amphictiony she had been from Mycenaean times a famous home of commerce and of seamanship; in the Hesiodic poems her seamen are said to have been the first to navigate the Ægean:

οἱ δ' ἦτοι πρῶτοι ζεῦξαν νέας ἀμφιελίσσας
πρῶτοι δ' ἰστία θέντρο νεώς πτέρρα ποντοπόροιο.¹

This verse, despite its poetic exaggeration, shows that the continental Greeks of the end of the eighth century recognized Ægina as having been one of the first Greek states to take to the water. A legend related by Pausanias² would seem to show that the Æginetans traded with Kyllene in Elis and through Kyllene with the Arcadians at an even earlier period, while the legendary connection of the Aiakids and Myrmidons with Phthiotis testifies to equally early relations between Ægina and Northern Greece, carried on no doubt through the Minyan cities.

¹ Hes. Katal. Fragm. 96; ed. KINKEL.

² PAUS. viii. 5.

When the age of colonization began, Ægina, as we have seen, became an active member of the Eretrian system of alliances. Her population was too small to allow her to colonize,¹ but her trade, assured by the powerful co-operation of Eretria and Miletos, did not suffer by this abstention. Her commercial pre-eminence was further secured by her early adoption of a modified form of the Phœnician system of weights and measures, which had been in use in Melos and other islands of the Ægean since the days of Phœnician predominance,² and the invention of coined money, which came to her from Lydia, no doubt by way of Miletos, at the beginning of the seventh century. Her far-reaching commerce spread the "tortoise"-money of Ægina during the seventh century over the greater part of the Ægean and the Peloponnese, as well as in Northern Greece, and made its standard the basis of the currency of many a Greek state.³ Tradition makes Pheidon, king of

¹ The only Æginetan colony was founded late in the 6th century, at Kydonia in Crete, after the exiled Samians had been expelled from that place (HDT. iii. 59). It is perhaps significant that these Samians were attacked by Ægina, the old enemy of their state.

² This is the view of HEAD, *Historia Numorum*, pp. xxxviii. f., 331 ff. Aphrodite was especially worshipped in Ægina, and this has been taken to show that Phœnicians were settled in the island at a very early period.

³ Until the introduction of the Euboic weight, it was used from Cilicia to Italy, and was the general standard of continental Greece. It should be noted here, in connection with what has previously (p. 256) been said with respect to the Eretrian and Chalkidian Leagues, that Eretria, though so closely connected with the allies of Ægina, and probably also with Ægina herself, never used the Æginetan standard, but, like

Argos, who most probably reigned about the middle of the seventh century,¹ introduce weights and measures from Ægina into Peloponnesos, and cause money to be coined for him there.² This tradition is probably historical; Pheidon was an enemy of Corinth, the rival of Ægina and, as we have seen, the rulers of Argos were in all probability closely connected with the Eretrian-Æginetan and hostile to the Chalkidian-Corinthian alliance; the Æginetan route to the West passed from Ægina along the Peloponnesian coast. The prosperity of Ægina must however have received a rude shock about the middle of the seventh century, when the issue of the Lelantine war assured the commercial hegemony of her rival Corinth in continental Greece. And from this time the general importance of Ægina began to decline; but, although her influence in the West seems to have entirely disappeared, she still

Chalkis, kept to the peculiar system of Eubœa. It is noticeable that the Æginetan standard was used by states connected with the Eretrian alliance (*e.g.*, by Korkyra after her revolt from Corinth) in preference to that of Eubœa, which was identified far more with Chalkis and Corinth than with Eretria.

¹ Of the various dates proposed for Pheidon, that of CURTIUS (668 B. C.) seems the most probable. 748 is certainly too early, if Pheidon had money made for him in Ægina.

² *Νόμισμα ἔκοψεν ἐν Αἰγίνῃ* (*Etym. Magn.* s. v. Ὀβελίσκος) need not mean more than that he struck money in Ægina for use in his own dominions, with which Ægina was closely connected. The tradition which makes Pheidon adopt the Æginetan coinage does not appear in Herodotos, who only mentions his "giving a metric system" to the Peloponnesians; but if he gave them weights he probably gave them those of Ægina, which was connected with Argolis by ties of friendship and alliance, and if he gave them Æginetan weights, he probably gave them Æginetan coinage, which was widespread in the Peloponnese, also.

kept up much of her old energy in the southern Ægean, with which Corinth had little connection, and at the end of the sixth century possessed her factory at Naukratis in Egypt, and in Sostratos, son of Laodamas, a merchant prince with whom it was impossible for any one to compete.¹ Since also she had been first in the field, the adherence of Corinth to the rival Euboic system of coinage was not sufficient to displace the Æginetan standard from its old established position in the Peloponnese and in other parts of Greece. Argos still remained her friend, and Corinth was never able to oppose Argos with much success. Eventually the Corinthians secured the destruction of their rival by supporting the attacks of Athens upon "the eyesore of the Peiræus," never anticipating that after the absorption of Ægina the Athenians would prove more dangerous rivals to them than Ægina had ever been.²

If Argos and Ægina are typical Mycenaean survivals among the states of Greece, in the sense that their heroic importance was fully maintained in later days, Corinth is a typical representative of the new Greece. Her heroic traditions are meagre; that the original town of Ephyra already existed in Mycenaean times seems evident, but it was of little importance: "Βελλεροφόντην δὲ," says Pausanias (ii. 4), "οὐκ ἀνοκράτορα ὄντα βασιλεύειν, εἶναι δὲ ἐπὶ Προίτῳ, καὶ Ἀργείοις ἐγὼ τε πείθομαι καὶ ὅστις τὰ Ὀμήρου μὴ πᾶρεργον ἐπέλεξατο. φαίνονται δὲ καὶ Βελλεροφόντου μετακίσησantos ἐς Λυκίαν οὐδὲν ἥσσον οἱ Κορίνθιοι

¹ HDt. iv. 152.

² *Ib.* v. 92.

τῶν ἐν Ἄργει δυναστῶν ἢ Μυκῆναις ὑπακούοντες ἰδίᾳ τε οὐδένα παρέσχοντο ἄρχοντα τῆς ἐπὶ Τροίαν στρατιᾶς, συντεταγμένοι δὲ Μυκηναίοις καὶ ὕσων ἄλλων Ἀγαμέμνων ἠγάγετο μετέσχον τοῦ στόλου." That at one period Corinth was very closely connected with Mycenæ and probably under the direct control of the Mycenæan rulers seems to be indicated by Captain Steffen's discovery of the ancient "military" roads which run between Mycenæ and the isthmus.¹ But in the seventh century, when the continental Greeks began in emulation of the Ionians to voyage and to colonize, it is Mycenæ that has become an insignificant hill village, while Corinth is a great city, a colonizer and trafficker in distant seas, and almost the equal of Argos in power and prestige, of Ægina in wealth and activity. But one thing Corinth lacked which Ægina possessed, pedigree: she was *nouvelle riche*. It is significant that she was the centre and headquarters of the commercial league which had been originally established to compete with the ancient Eretrian confederacy, which, as we have seen, may date back to "Mycenæan" times. The league of Chalkis and Corinth was a far younger rival; no Mycenæan connection can be unearthed for it. The commercial importance of Corinth did not then begin to develop until after the close of the period of Mycenæan hegemony. Now it is evident to us at the present day that it was inevitable that the younger league must have eventually to a great extent supplanted the older in the transmission of goods between East and West (though the older still remained a good

¹ Cf. the map in TSOUNTAS-MANATT, p. 12.

means of communication between the East and the Peloponnese simply). The unrivalled geographical position of Corinth, commanding and connecting the Saronic and the Corinthian gulfs and affording a sea route shorter and safer than that round Malea, a land route shorter and easier than that overland from Nauplia or Epidauros, made the eventual commercial predominance of Corinth in continental Greece a certainty. To whom are we to ascribe the first impulse that set Corinth on her path of commercial development? Who were the sharp-sighted mariners and traders who first perceived the commercial possibilities of the Isthmian city? We have seen that for at least a couple of centuries after the Mycenæan thalassocracy had come to an end Greek waters were dominated by the Phœnicians. Now in Corinth we have, if anywhere in Greece, clear traces of the presence of Phœnicians; the Corinthian Aphrodite was as Semitic as the goddess of Paphos; also—a far less assured point—the Kyklopes who were especially worshipped at Corinth¹ may very well have been the Kebirim; while the name Melikertes is *Melek-kiryat*, "King of the City," whether the god Melkarth be here in question or not.² It is then to the Phœnicians that the discovery of the commercial possibilities of Corinth are to be assigned. The greatness of Corinth belongs then exclusively to post-Mycenæan times; she is the

¹ PAUS. II. 2.

² That Medeia, who was confused with the Hera Akraia of Corinth, was a Semitic goddess is shown by FARNELL (*Cults of the Greek States*, I. p. 203) to be extremely probable.

representative of the new order, as Argos and Ægina were survivals of the old.

Μυκηναίων καὶ Τιρυνθίων τετράκοσιοι. Whether these four hundred heroes of the final struggle with the Persian host were citizens of villages still suffered for a time to exist, or were, as Professor Mahaffy maintains,¹ like the Messenians, exiles from a Mycenæ and a Tiryns which had been destroyed by the Argives long before, perhaps in the carrying out of a Pheidonian *συνουκισμός*, they were the last representatives of the foremost cities of heroic Greece; their name reappears no more in Greek history. Herodotos makes no comment upon their epitaph, yet we cannot doubt that to him and to many another visitor to the Delphic shrine it seemed fitting that their names, pregnant with so many mighty memories, should have found their place in the list of defenders of their country at the moment of her most supreme struggle for existence, and that their presence should have been commemorated in the central point of Hellenedom, the *ὀμφαλὸς γῆς*. We, the inheritors of Greek culture, assuredly find it a matter of extreme interest that the Hellenes should have registered for our knowledge the fact that Mycenæans and Tirynthians died to preserve intact that European civilization of which in the far-away heroic age their ancestors had helped to lay the foundation.

¹ *Survey of Greek Civilization*, p. 31.

Lydian & Carian Coins



FIG. 66.—Obverse of a Lydian coin of the early part of the VIth century B.C. (Compare designs of Mycenaean gems.)

APPENDIX I

NOTE ON MYCENÆAN RELIGION

WHEN dealing with Mycenaean Crete some reference has been made (p. 204) to Mycenaean religious ideas. Of this subject our knowledge is, naturally, very scanty. The pre-Mycenaean Greeks seem to have venerated a female goddess, of whom nude marble images (Fig. 38) were made. This deity is occasionally steatopygous. Other marble images of men playing harps, &c., which are known, presumably do not represent deities. The Mycenaean made small robed female images (the so-called "owl-headed" figures), which very probably were intended for a representation of a female deity. In the curious theriomorphic figures which we find so constantly repeated on Mycenaean frescoes, gems, and metal-work, we certainly have deities of some kind. And the peculiar armed figure which we see in the well-known fresco and gem from Mycenae (PERROT-CHIPIEZ, *Hist. de l'Art: Grèce Primitive*, Figs. 440, 425), is probably the image of a god. Further, the double-headed axe, which is such a common feature in Mycenaean art, is certainly the symbol of a god.

We can identify this last deity at once. He is without doubt a Zeus. The double-axe was the symbol of the Zeus of Labranda, and that the Pelasgian Zeus of Crete was the same as this old Asiatic god is made extremely probable by the original racial identity of the pre-Hellenic Cretans (and "Greeks" in general) with the Lykians

and other peoples of Asia Minor. *Labranda* is the same word as the Knössian *Λαβύριθος*, both meaning "Place of the Double Axe," i.e., "House of Zeus."¹ The



FIG. 67.—Emblem of Zeus of the Double-Axe (Mycenae).

Mycenæan double-axe is then the symbol of Zeus,² and as his symbol it was especially dedicated at his most ancient sanctuary in the Dictæan Cave, so successfully explored by Mr. HOGARTH (*Ann. Brit. Sch. Ath.* 1899-1900, p. 94 ff).

The bull's-head which also frequently appears on Mycenaean works of art, often in conjunction with the double-axe, is also a Zeus emblem, and is the back of the now famous throne, discovered by Mr. Evans in the palace of Knossos, fashioned in the shape of an oak-leaf, symbol of Pelasgic Zeus?

¹ The identity of the name *Labranda* with the *Λαβύριθος* of Knossos has been more than once pointed out, first by MAYER (*Mykenische Beiträge*, ii.; *Jahrb. Arch. Inst.* vii. p. 191). As *λάβρυς* is the "kleinasiatisch" word for *Axe*, *Labranda* or *Labranda* evidently means "The Place of the Double-Axe," and *Λαβύριθος* must, as MAYER maintains, have the same meaning, and so the Palace of Knossos, which contains so many representations of the double-axe, is no doubt rightly identified by Mr. A. J. EVANS with the veritable Labyrinth itself. The Minoan Labyrinth was then in some sort under the special protection of Zeus, who was especially worshipped at Knossos, and the Minotaur probably bears much the same relation to him, since the bull's head appears to have been his emblem as well as the double-axe, as the animal-headed demons of the woods and waters bore to Artemis or *Diktynna*.

² The "Karian Zeus," properly so-called, was of course a new importation from Karia, at a time when the original character of the Pelasgic Zeus and his double axe had long been forgotten in Greece.

The armed figure may again very well be a Zeus.

The theriomorphic figures are extremely interesting. The head is sometimes that of a lion, more often that of an ass or horse (apparently), though it may well be questioned whether sometimes it is not intended for that of a bear. The figures wear a tight waistbelt, below which depends behind a heavy object, nearly reaching the ground, which is apparently intended for the hairy animal skin belonging to the head, though sometimes it is so exaggerated as to resemble the abdomen of an insect; so MILCHHÖFER (*Anfänge der Kunst*, p. 65) took it to be the body of a grasshopper! These figures usually hold in their hands a *prochous* (Fig. 68), or carry dead animals, apparently the spoils of the chase, over their shoulders, or, as in Fig. 58, by means of a shoulder-yoke. Other theriomorphic figures in various positions are found on the island-gems and Cretan sealstones.

I take these figures, as TSOUNTAS does,¹ to be demons of the springs and of the woods, of running water and of the chase, and believe them to be closely connected with Artemis-worship. Mr. FARNELL has ably exhibited the real character of Artemis as a primeval goddess having precisely the attributes which can be assigned to the theriomorphic



FIG. 68.—Mycenaean Water-demon (? Artemis), from an intaglio.

demons of the Mycenæans.² In Crete she was called Britomartis or Diktyнна, and she appears in Ægina as Aphaia. Her name Diktyнна has been assumed to be connected with *δίκτυον*, "net," and so she has been called a "net-spirit," but it seems more probable

¹ *Mycenaean Age*, p. 298.

² *Cults of the Greek States*, ii. ch. xiii.

that her name means simply the "Diktæan" (the termination *-ana* being easily explicable with the help of Lycian; *v. ante*, p. 178), and has nothing to do with the Greek *διήρυον*. She is the goddess of the mountains, woods, and streams of *Dikté*. Her præ-Hellenic and Pelasgian (or in Crete, Eteokretan) character is evident; and Mr. FARNELL is undoubtedly right in holding her to be practically identical with the female goddess of Asia Minor: the goddess of woods and waters is but a derivative of the Mother-goddess: Artemis was but a form of Rhea. (In fact this early prominence of the female



FIG. 69.—Artemis (Diktynna)
ἄρτεμις θηρώων. (From a Mycenaean intaglio, found at Vaphio.)

goddess might be adduced as a confirmation of our theory that the præ-Mycenaean and early Mycenaean inhabitants of Crete and other parts of Greece, the Eteokretans, Lelleges, "Pelasgi," &c., belonged to the same race as the aboriginal stock of Asia Minor.)

Whether the theriomorphic Mycenaean figures are actual representations of Artemis herself, or simply either attendant demons (TSOUNTAS calls them Satyrs) or priests of Artemis arrayed in animal skins remains doubtful, but it is very possible that Artemis herself is intended, for many *intagli* bear somewhat similar scenes, except that for the theriomorphic figure is substituted a woman (Fig. 69; *cf.* PERROT-CHIPPEZ, *Hist. de l'Art: La Grèce Primitive*, Fig. 426, 12). That this woman bearing the dead body of a deer or goat is Artemis there can be little doubt, and the huntress drawing the bow whom we see on the gem figured by PERROT-CHIPPEZ, *loc. cit.* Fig. 426, 11, is certainly she. The woodland goddess was then worshipped by the Mycenaean, and

her representations and symbols can easily be recognised in Mycenaean art.

The worship of Artemis retained in classical times many traces of primeval savagery, and we may be sure among her Mycenaean worshippers her character was more that of the wild *'Αρτεμις Λαφρία* than that of the serene moon-goddess of later days, and that the human sacrifice and the primitive witchcraft afterwards associated with the name of Hekate, who is but a form of her, were prominent features of her worship in Mycenaean days.

Mr. FARNELL (*loc. cit.* p. 464) is of opinion that her conjunction with Apollo is of comparatively late date, and was first brought about in Delos. It does not appear probable (*v. ante*, p. 243) that Delos became a Greek sanctuary until the dawn of the classical period; we certainly see nothing which can be construed as a trace of Apollo-worship in Mycenaean days. Whether Apollo was known to the Mycenaean, whether Pelasgi or Aryans, or not, it is impossible to say; TIELE brings him from Asia Minor, whence, he thinks, oracles came with him to Greece. That the Delian sanctuary was founded from Crete when the Karians or Leleges were finally expelled from the Cyclades seems probable, so that he may have originally come from Crete.

The certainty of Zeus- and Artemis-worship suggests the probability of Rhea-worship. It is natural to suppose that the more dignified female deity, whom we find seated on a throne on several Mycenaean *intagli*, is the Mother-goddess of the Pelasgic populations; the male deity who sometimes accompanies her is evidently the young Zeus (*cf.* EVANS, *J. H. S.* xxi. 168).

The prevalence of marine subjects in Mycenaean art has already been noticed, and a very early Mycenaean sea-demon illustrated, on p. 201; that Poseidon and other

sea-deities were already worshipped in Mycenaean times seems very probable. Poseidon was intimately connected with the originally Mycenaean League of Kalaureia (the Kalaureian Zeus was originally a Poseidon); in legend he is especially connected with the early Æolic princes of Thessaly (GROTE, *Hist. Gr.* i. p. 93), and he was always especially worshipped by the Achæians of the Corinthian Gulf (where he may have been of Aigiæan, *i.e.*, Ionian origin), and by the seafaring Ionians, who, as we have seen, were probably already active in Greece in the Mycenaean epoch. As god of the sea Poseidon was naturally the tutelary deity of all islands, and in Tenos we may perhaps find the original Ægean seat of his worship, which may have spread hence to all those islands and coasts of Greece to which the Mycenaean culture, which was in so many of its aspects connected with the sea, extended. Was Poseidon also not of Aryan origin? Was he also a legacy of the early island populations to the Greeks, as Nereus and the other *δαίμοι γέγοντες* probably were? He was certainly not Babylonian, as MR. GLADSTONE believed,¹ for he has nothing whatever in common with the Sumerian god of the primeval waters, Ea.

The Chthonic worship of Demeter and Korê, being typically "Pelagic," was no doubt handed on by the early Pelagic "Mycenaean" to the later Mycenaean of the Pelopid hegemony; the worship of Demeter connects closely with that of Artemis: the horse-headed Demeter of Phigaleia, a characteristically Pelagic goddess in a Pelagic land, was as much an Artemis as was the fish-tailed Eurynomê who was venerated in the same place.

We have already seen (pp. 229, 239) that of the worships of the Thracian Dionysos and the Semitic Aphrodite

¹ *Landmarks of Homeric Study*, p. 135.

we need not expect to find traces in early Mycenaean times, at Knóssos, for example. The gold plaques with representations of Aphrodite and her doves from Mycenae are apparently late-Mycenaean, and may date to the ninth century, when Aphrodite-worship had probably become widely spread in Greece.¹

The scanty traces of Mycenaean religion which exist are therefore mainly praë-Hellenic in character. With the probable exception of Hera, who must have been worshipped by the Mycenaean Achaians of Argolis and probably by Mr. Evans's Knossians also, we cannot find much trace of the worships introduced by the invading Aryans. But who shall say with confidence of Greek religion that this part of it is Aryan, and that non-Aryan? All we can affirm with reason is that the Rhea- and Artemis-worship certainly, certain phases of Zeus-worship certainly, and the Poseidon-worship possibly, are praë-Aryan and "Pelasgic"; and these worships bulk largest in our knowledge of Mycenaean religion. Before we can say that here or there is apparently an indication of Aryan and post-Pelasgic worships having existed in Mycenaean days, a thing which, *ex hypothesi*, we ought to find, our knowledge of things Mycenaean must extend itself far beyond its present limits.

ADDITIONAL NOTE TO APPENDIX I.

Mr. FARNELL (*Cults of the Greek States* pp. 13, 14) writes: "The ordinary Greek of the Homeric period did not imagine his god under the form of a beast but under the form of a man. He did not, however, as yet represent him in this form either in marble or wood, as a general rule."

¹ *V. ante*, p. 229.

Homeric religion seems certainly wholly anthropomorphic, but surely the mention of the Trojan Athene Polias (*Il.* vi. 303), discussed by Mr. FARNELL in the sentence immediately following that quoted above, might well be urged against the idea that it was wholly aniconic. For Mr. FARNELL the Homeric Age seems to be still "the very threshold" of Greek history, so he says nothing about the earlier Mycænæan religion, except the following remark: "The uncouth human-shaped idols found on the ruins of Troy and Mycænæ give us no clue for the present question, since we do not know their date even approximately, and we do not know whether in the remotest degree they were Greek in origin; the most developed is almost certainly Babylonian" (!) (p. 19). If the well-known leaden female figure with a fylfot ornament is meant, it can only be said that there is nothing Babylonian in it; the fylfot or svastika was unknown to Babylonian art. If the Mycænæan culture is the direct ancestor of the culture of classical Greece, it is then Greek, and the "uncouth human-shaped idols found on the ruins of Troy and Mycænæ" are Greek also, whether the people who made them were Aryans or non-Aryans, "Pelasgians" or "Hellenes." The little draped female figures of Mycænæ or the naked marble idols of the Cyclades can only be Greek images of Greek gods; and so Greek religion in Mycænæan days *was* *iconic*. The rude pottery figures of the fully developed Mycænæan period were no doubt merely rough miniature editions of the big idols in the temples, which were doubtless artistically good. In the second place, at the very threshold of Greek history the religion is already clearly theriomorphic as well as anthropomorphic, if the contention in the preceding appendix, that some of the theriomorphic Mycænæan deities are representations of Artemis or attendant

demons of the woods and waters, is correct. (And in the horse-headed Demeter and the fish-tailed Eurynomê we have survivals of this theriomorphism.) That it was anthropomorphic is proved by the representations of Rhea, Zeus, and Artemis on gems; the armed Zeus (?) of the Tiryns fresco and the Mycenæ ring is also apparently human-headed. But for Mr. FARNELL'S categorical statement (p. 19): "The earliest image under which the Greek divinity proper was figured was the image of man," there is no proof. No doubt a deity was first imagined here as animal-headed, there as human-headed.

That the "iconic impulse probably came from the East" (p. 19) is possible; but I do not see why the Pelasgians (or whatever we call the præ-Aryan culture-ancestors of the Greeks) need not have begun to imagine in stone and wood the devils and ghosts whom they wished to propitiate long before they ever heard of the East or its gods.

In a most interesting paper published in *J. H. S.* for 1901 (xxi. 99 ff), Mr. A. J. EVANS has discussed the evidence for a Tree- and Pillar-Cult among the Mycenæans. He has brought forward many interesting arguments in favour of the idea that the Mycenæans venerated sacred pillars (*batyli*) and trees. Numerous traces of such worships remained in Greece in classical times, and it seems probable enough that they are a remnant of præ-Hellenic religion, but it is difficult to say much about their existence in Mycenæan times on account of the indefiniteness of most of the Mycenæan representations which are taken as evidence in the matter. From much the same representations RACHÉL deduced his conclusion that the chief objects of Mycenæan worship was an Empty Throne; the throne of an invisible deity (*Vorhellenische Götterculte*, p. 3 ff).

In favour of this theory REICHEL, like Mr. EVANS in favour of his, brings forward other evidence of an interesting character, especially the double rock-cut throne on the island of Chalkê near Rhodes, which bears a later dedication, be it noted, to Zeus in conjunction with the Pelasgian *Hekate* (*ib.* p. 30, Fig. 8). But REICHEL's persuasion, "dass die mykenische Zeit sich auf die Verehrung unsichtbarer Götter beschränkte und noch keine Cultbilder kannte," does not seem to be in any way justified. The deity might seat himself invisible upon the throne prepared for him, but images of him could be, and, as we have seen, were manufactured.

Mr. EVANS also speaks of Mycenaean religion as predominantly *aniconic*, of the supposed Mycenaean sacred pillars and trees as "aniconic images" which were "supplemented by Pictorial Representations of Divinities." But there is no need to suppose that, if the Mycenaean, as they very probably did, venerated sacred stones and groves, therefore they did not at the same time imagine, portray, and worship their gods in animal or human form. We have Mycenaean representations of at least three deities, Rhea, Zeus, and Artemis; what proof have we that images of these deities were not made and venerated in temples, &c.? Since we have images of a female goddess from the rude graves of the ancestors of the Mycenaean, it would seem that the predominantly aniconic character of Mycenaean religion has yet to be proved.

Mycenaean Tree -and Pillar-cults need not be of Semitic origin: the similar cults of Canaan were probably taken over by the Semites from the pre-Semitic inhabitants, who probably belonged to the same stock as the pre-Aryan Greeks.

APPENDIX II

GROUP OF LION AND BULL FIGHTING, FROM TELL EL-AMARNA

THIS interesting object, of which two figures (Figs. 70 and 71), drawn by Mr. Anderson, are appended, was found at Tell el-Amarna with the great collection of cuneiform letters, despatches, &c., from the governors and chiefs of Western Asia to the Egyptian kings Amenhotep III. and IV. (Khuenaten). Its date is then presumably about B.C. 1450-1420.

Only a few objects unconnected with the diplomatic correspondence of the royal cabinet were found with the Tell el-Amarna tablets: of these some are in the Museum of Berlin, and two are in the British Museum; one of them, bearing the number 22866, being the group of which we are speaking. What it was doing with the royal diplomatic correspondence it is hard to say, as its use is not clearly apparent. It might be the "cover of a vase or jar," as it is described in BUDGE-BEZOLD, *Tell el-Amarna Tablets*, p. x., or it might be a simple *objet d'art*, designed to stand by itself, like a group by Barye. That unofficial objects did occasionally stray into the royal "office" is also shown by that tablet relating the surprising adventures of the Babylonian goddess Irishkigal, of her messenger Namtar, and of her unedifying quarrel with her husband Nergal, which had somehow slipped into the royal despatch-boxes

and is now with our animal group in the British Museum.

The material of the group is a hard deep-red stone with a few lighter spots, apparently a jasper. It is a representation of a fight between a lion and a bull. The lion has seized his antagonist by the neck with his left paw and is holding him down with his right, which grips the back and shoulder of the bull, so that his right leg has been forced down into a kneeling position. The



FIG. 70.

teeth of the lion are buried in the neck of the bull, who has twisted his head to the left, and, with wide open mouth and lolling tongue, is bellowing vehemently. In his struggle to escape he has forced his hindquarters on to the back of the lion, whom he appears to be vigorously kicking. Originally his tail was lashing his sides: it has been broken off in ancient times, and only the traces of its presence remain, but these are enough to show that it was for a portion of its length cut free from the body of the group. The bull's horns are also broken off. A curious feature is that the lion has upon his back an ornament consisting apparently of a shoulder- and belly-

band, decorated with incised squares, and joined together on the shoulder by an oval buckle (?).

The group stands upon a low elliptical base roughly grooved to represent rocks (?), measuring $3\frac{1}{2}$ inches long by 2 inches broad. The height of the group is $2\frac{1}{2}$ inches, its interior is hollowed out to a depth of $\frac{3}{4}$ inch. Whether this last fact shows that it was a vase-lid is doubtful; in that case, however, the loop of the tail may have served as a handle.



FIG. 71.

The energy of this small group is very remarkable; the attitude of the bull is eloquent of rage and pain. But, while the composition is good and parts of the bodies of the combatants are well designed, there are also many faults which show the artistic limitations of the sculptor—*e.g.*, the fore-legs of the lion are far too long and his hind-legs are absurdly short and stumpy. Generally speaking, the bull is better than the lion.

Of what art is this group a product? It is not Egyptian, not even Egyptian of the artistic renaissance of Khuenaten. For this its execution is far too faulty, as also its composition far too refreshingly vigorous and

energetic. It has been thought to be Mesopotamian, but here many objections are apparent. There is nothing particularly Assyrian about it: the mane of the Assyrian lion is disposed quite differently. It might appear to have a Persian look, but here again on closer inspection the bull, though he has short fat legs with huge hooves, is no Persian bull. And, besides, it is a thousand years older than Persepolis.

Is it not probably Mycenaean? Many Mycenaean traits are visible in it; not only its vigour of composition but also the inequality of its execution seem to indicate a Mycenaean origin: the violent upheaving of the hind-quarters of the bull and his vehement bellowing remind one strongly of the Vaphio bulls, while the over-emphasized muscles, the exaggerated length of the bodies and stumpiness of the legs confirm the aptness of this reminiscence. Also the head of the lion closely resembles the usual type of lion's head on Mycenaean gems.

If this surmise is correct, this group is one of the most interesting examples of the Mycenaean art of the fifteenth century B.C. which we possess, and may perhaps give us some clue to the date of the Vaphio cups, which for other reasons seem to date approximately to that time.

APPENDIX III

SUPPOSED "MYCENÆAN" BRONZE FIGURES OF WARRIOR GODS

The bronze figure of a warrior, erect and with the arms raised in a fighting posture, which is illustrated by Fig. 72, and was found at Tiryns, belongs to a class of objects which is well represented in most of the great archaeological collections of Europe. Such figures are found in various parts of the Mediterranean area: one, illustrated by PERROT-CHAPIEZ, iii. p. 405, Fig. 277, comes from Tortosa in Spain, while our Fig. 73 was found at Bêrût in Phœnicia. The majority come from Phœnicia: those in possession of the Trustees of the British Museum, three in number, all come thence. Hitherto the general presumption has been that these objects were of Phœnician origin, and that their presence in other



FIG. 72.—Bronze Figure found
at Tiryns ('Εφμερ. 1891, Pl. II, 1).

parts of the Mediterranean basin is simply due to Phœnician trade. This presumption is a very natural one.

But some archaeologists have lately taken to labelling these bronzes "Mycenæan." Why, it is hard to say. The peculiar features of these figures are (*a*) the high conical cap; (*b*) the waistcloth. Now it is true that this is not the ordinary costume of a Phœnician, who wore voluminous robes, or indeed of any Semite. It is then the costume of a foreigner; so this must be a representation of a non-Semitic deity. The Mycenseans wore waistcloths; and therefore, apparently (coupled with the fact that one or two have been found at Mycenæ, Tiryns, &c.), these figures are claimed as Mycensean. But nobody has yet discovered any representation of a Mycensean wearing a tall conical cap. And the waistcloth of these figures is quite different from the Mycensean clout as seen in the well-known leaden statuette from Kampos, or from the Egyptian representation of the waistcloth of the Keftiu, to whom, by the way, there seems to be some desire to liken these bronze warriors. It is, in fact, impossible to perceive the faintest resemblance to anything Mycensean in them. Where are we then to look for their origin? The tall cap might seem to point either to Etruria or to Eastern Asia Minor, the land of the high-capped Kheta. But the preponderance of Asiatic "find-spots" for these figures affords strong grounds for the presumption that they are of Asiatic, not Italian, origin, and, besides, the Etruscans wore long robes. So, unluckily, did the Kheta.¹ Where are we to find the combination of high cap and waistcloth? Only *in Egypt*. These figures are ultimately of Egyptian origin.

¹ The figure standing on the lion, illustrated by PERROT-CHIPIEZ, iv. Fig. 367, is no Kheta, and the bronze itself is not demonstrably of "Hittite" origin.

A glance at Fig. 71 and a comparison with Fig. 73 will show this clearly. Fig. 73, No. 25096 of the British Museum, was originally covered with silver overlay, portions of which still remain. The waistcloth is



FIG. 73.—Bronze Figure found at Bérût (Brit. Mus. Dept. of Assyriol. and Eg. Antiq.).

distinctly of Egyptian form, and the high cap resolves itself into a garbled imitation of the Egyptian *atef*-crown, minus the Khnemu-horns which usually accompany this head-dress. Apparently the figure is a Phœnician edition of the Egyptian war-god Anher (*Oroupis*), who is

usually depicted in a similar attitude, or of the Phœnician-Egyptian Respu, who in his Egyptian dress naturally borrows some of the characteristics of Anher. It can hardly date to before 700 B.C.

And this seems to me to be the origin of all the similar figures in our museums. They are Phœnician caricatures of the usual Egyptian representation of Anher, or even in some cases, as perhaps in that of the Tortosa-figure, local imitations of the Phœnician caricatures. That they are all comparatively late in date, like the Sardinian bronzes which they resemble in treatment, seems probable: I fail to see that the presence of the "double jet de la fonte" which "subsiste encore sous les pieds" of the Tortosa-figure, is in any way "déjà une première présomption de haute antiquité:"¹ rough work was done at all periods.

¹ PERROT-CHIPIEZ, *loc. cit.*

APPENDIX IV

MYCENÆAN INFLUENCE IN "HITTITE" CYLINDERS

On page 124 we have discussed the probable influence of Mycenæan on "Hittite" art and *vice-versâ*, and have



FIG. 74.—Impression of a Cylinder from Aldin in Lydia (Louvre).

found it practically *nil*. Some archæologists might object to this statement, and maintain that there exist Hittite seals which show obvious traces of Mycenæan influence. The impressions of two such seals, cylinders, from Inner Asia Minor, are here illustrated by Figs. 74 and 75. It is of course a pure assumption to call them "Hittite," although the influence of the strange assyrianizing art of Eastern Asia Minor is clearly discernible in them, especially in the double-headed high-capped deity of Fig. 74. The spirals on both have a decidedly Mycenæan

appearance (though that on Fig. 75 can be paralleled on purely Babylonian seals), and so have the bull's head of Fig. 75, and the opposed lions of Fig. 74. But there are also other things on these seals. The two opposed figures on Fig. 75 have a Babylonian appearance; the scorpion between them is Egyptian, the emblem of the goddess Selk; the birds above the spiral are deformed Egyptian *rekhiu*; while the hawkheaded protecting deities of Fig. 74, however rudely they may be presented, are Egyptian, and so is the king in waistcloth and *âtef*-



FIG. 75.—Impression of a Cylinder from Asia Minor (Louvre).

crown, and carrying a parody of an Egyptian standard, on Fig. 75. It is then obvious that these cylinders, with their mixed Babylonian, Egyptian, "Hittite," and Mycenaean designs, are not of "Hittite," but of Phœnician or (perhaps) Cypriote workmanship. They prove, therefore, absolutely nothing with regard to any Mycenaean influence upon "Hittite" art, but as Phœnician or Cypriote objects with imitations of Mycenaean design they are extremely interesting. A later date than 700 B.C. is hardly possible for them, but I should be inclined to doubt if they are very much older, on account of the late appearance of the Egyptian figures upon them.

ADDENDA.

P. 26. In speaking of Mycenaean culture as "radiating" from Crete, Argolis, and Phthiotis over the Ægean, &c., I do not intend to imply that every "Mycenaean" object found in the Ægean islands, &c., was imported from Crete, Argolis, or Phthiotis. Most of the Mycenaean pottery, for instance, found in other *Greek* lands was no doubt manufactured where it was used and discovered. No doubt some of the Mycenaean vases found in far-away Cyprus were imported from Greece, but only *some*. Mr. C. C. EDGAR, however, in his excursus on "The Pottery" of Phylákopi (*Ann. Brit. Sch. Ath.* 1897-8), speaks of all the vases of Furtwängler's Third and Fourth Styles found in *Melos* as "imported"; as "the imported Mycenaean pottery found at Phylákopi" (p. 47) brought by the "stream of Mycenaean import" (p. 46). How is it possible to say with certainty that *all* vases of this kind found in *Melos* were made in and imported from Argolis or Crete?

P. 53, n. 1. *After* bull's head from Mycenæ, *insert*: Also one of the vases brought by the Keftiu is the counterpart of one carried by a Mycenaean depicted at Knóssos. (For a further comparison of the Keftiu with the Mycenaean Knóssiensians, see EVANS in the *Archaeological Report* of the Egypt Exploration Fund for 1900, p. 60 ff., "The Palace of Knossos in its Egyptian Relations.")

P. 62. A scarab of Shashank III. (c. B.C. 850) has been found at Enkomi (MURRAY, *Excavations in Cyprus*, p. 41).

P. 65. The latest geological authority on the subject, Dr. Alfred PHILIPPSON (in HILLER v. GÄRTRINGEN, *Thera*,

ch. ii.), expresses no opinion as to the date of the great eruption.

P. 69, n. 1. *Add:* The deposits consisted of the graves of barbarians, probably *Hanebu* of the Delta (*ante*, p. 158 ff.), who partially cremated their dead.

Ib. n. 2. *Add:* The style of the Khata'anah scarab bearing the name of Sebekhetep III. of the XIIIth Dynasty shows it to be contemporary with the king whose name it bears. This scarab is not in the same case with that mentioned on p. 50, for all the rest of the evidence confirms the XIIIth Dynasty date of the Khata'anah graves. The chief monuments found at Khata'anah also date to the XIIIth-XIIIth Dynasties. [The objections raised to this evidence by Mr. HAYNES ("Some unwarranted Assumptions in Archaeology," *Am. Journ. Arch.* ix. (1894) p. 26 ff.) are rendered invalid by the fact that the Khata'anah dating has been confirmed at Kahun and Hu.]

P. 114. It has often been thought that there is a definite statement extant in the records that Sargon did actually cross the Mediterranean to Cyprus. This is a misconception. In *W. A. J.* iv. p. 34 an Assyrian tablet from the library of Ashurbanipal at Nineveh (Brit. Mus. K. 2130) is published which contains a series of omens derived from observations of the moon, illustrated by excerpts from legendary accounts of the doings of Sargon and Narâm-Sin, which are inserted in order to "point the moral and adorn the tale," somewhat after this wise: "When the moon behaves in such-and-such a manner, under this omen Sargon did so-and-so," the inference to be drawn being that if the Assyrian king does so-and-so when the moon behaves in such-and-such a manner, he will be as successful as Sargon was in a similar case. One of these omens reads: "When the moon, &c. &c., under this omen (Sargon) went up, he had no foe nor rival: his terror over. . . . *The Sea of the West he traversed*, and for three years in the West his hand prevailed. He established his undisputed rule and in the West his statues [he set up]: he caused the booty of the Sea-lands to be

brought." All that the italicized passage means is that he coasted along the Palestinian littoral, crossing from point to point, and the "booty of the sea-lands" is the pillage of the Palestinian coast-tribes. There is no reason to suppose that Cyprus is referred to or any knowledge of its existence even hinted at.

P. 114, n. 2. "A statement is current," as Mr. Torr would put it, that there *was* a Babylonian colony at Pterion as early as 2000 B.C., and one of the collaborators of the "Mission en Cappadoce" ("Ouvrage publié sous les auspices du Ministère de l'Instruction Publique et des Beaux-Arts," Paris, 1898), M. BOISSIER, is responsible for this statement. Now, in the first place, it may be premised that there is every probability that Babylonian *influence* had penetrated into Asia Minor as early as 2000 B.C. Since *Martu* or Syria was overrun by Babylonian kings some seventeen hundred years before 2000 B.C., and in Hammurabi's time (B.C. 2200) it is quite a matter of course that it should be subject to the "King of the Four Quarters of the Earth," it is evident that Babylonian influence can very well have already passed westward beyond the bounds of *Martu* at a date considerably anterior to 2000 B.C. The discoveries of M. BOISSIER, however, prove nothing at all on the point. The evidence for the existence of his Babylonian colony consists of some cuneiform tablets which were found at Boghaz Kõi. M. BOISSIER says, in the first place, "ces monuments, en effet, présentent les mêmes signes graphiques que ceux des tablettes découvertes en Egypte à El Amarna." In reality, however, all that can be said with regard to their date, is that they *may* date back to the Tell el-Amarna period (c. 1400 B.C.), and may equally well belong to a far later time, since the peculiarities in writing the script which are found in them may well be characteristic of a people unaccustomed to write cuneiform frequently or quickly. There is then no external proof from the tablets themselves that they are as old as 1400 B.C., much less 2500! But M. BOISSIER proceeds to argue as follows: "Suivant nous, les originaux de ces tablettes. . . remontent au moins à l'an 2000 . . . sur la plus grande nous lisons le nom de Sargon écrit. . . *Sarru-ukin*. . . S'il

s'agit d'un roi Sargon, il ne peut en aucune manière être question ici du grand roi de Ninive ; car des raisons d'ordre paléographique s'y opposent absolument, et le roi Sargon régna au VIII^e siècle, tandis que nous avons fixé l'an 2000 environ comme date de nos documents. On pourrait peut-être songer au vieux roi d'Agadé . . . une expédition babylonienne en Asie Mineure, vers l'an 3800 avant Jésus-Christ, n'est pas invraisemblable. En proposant l'an 2500 avant Jésus-Christ environ comme date de la rédaction de nos tablettes, nous ne serons peut-être pas bien éloigné de la vérité." First of all, M. BOISSIER implies that for paleographic reasons these tablets must be assigned to about 1400 B.C. (This is not a necessary supposition.) Then he jumps to 2000, six centuries, for the same tablets, or their originals. Then he says that the Šarru-ukin mentioned on one of them cannot be Sargon I., because he has shown (!) that they date to 2000. (Palaeographically, this tablet mentioning Šarru-ukin might, as a matter of fact, quite well date to the eighth century.) Then, apparently because this Šarru-ukin must be Sargon of Agade, who did live about 3800 B.C., therefore we must take a flying leap of 500 years and date these tablets to 2500 B.C. ! Finally, "disons encore un mot sur ces *colons babyloniens* qui s'installèrent en Cappadoce et dont nous avons des contrats." The italics are mine.

From the above observations it will be clear that M. BOISSIER's dates for the Boghaz Kōi tablets¹ rest on no certain foundation, and so cannot be accepted. The idea of a Babylonian colony at Pterion c. 2500 B.C. falls therefore to the ground.

The editor of the "Mission en Cappadoce," M. CHANTRE, proceeds to improve upon the theories of his assistant : "La date de 2500 que M. Boissier propose d'attribuer aux textes *babyloniens* de Boghaz Keuè me paraît tout au moins fort

¹ It is to be hoped that students of M. BOISSIER's work will not be misled in their studies of the facsimiles of these tablets which he gives (Pl. iv. v.) by the fact that he has allowed some of them to be printed upside down (Pl. iv. Nos. 1, 4, 2 (Rv.) ; Pl. v. Nos. 3, 6, 9) ; and one sideways (Pl. v. 7). Pl. iv. contains seven tablets, Pl. v. nine.

acceptable, *sinon au-dessous de la réalité.*" The italics do not appear in the original.

M. CHANTRE apparently has an idea that perhaps these tablets, on one of which a Sargon (Šarru-ukin) is mentioned, may be really much older even than 2500 B.C., because, so he believes, Pterion was the centre of a great "Hittite Empire" as early as the time of Sargon I., *i.e.*, that the civilization of Boghaz Kōi goes back to the time of Sargon I., about 3800 B.C. Does not one know, he asks, that mention of "Hétéens" has been found "dans les tablettes augurales de Sargon d'Agade, ce que reporterait l'existence de ce peuple au XXX^e siècle avant notre ère" (p. 203)?

Here is another statement which is "current": that the Hittites are mentioned in tablets of Sargon I.

The facts of this matter are these:

For the library of Ashurbanipal at Nineveh a large number of tablets were prepared containing omens, portents, astrological and astronomical reports, &c., in which that king apparently took an especial interest. The greater number of these tablets were written between the age of Sargon II. (B.C. 722-705) and that of Ashurbanipal (B.C. 667-625). Many of them belong to the well-known series called the "Illumination of Bel." Now three of the British Museum tablets of this category mention Sargon I. (K. 6857, K. 10,623, RM. 2; 112), one mentions Sargon and his son Narâm-Sin (K. 5929), one mentions Narâm-Sin alone (K. 2317). On another the city of Agade is mentioned (K. 4336). The references to Sargon and Narâm-Sin need not imply any real connection of these tablets with Sargon and his son; all that is said being to the effect that under a certain omen Sargon or Narâm-Sin decided to act in such-and-such a way (*cf. ante*, p. 314). Nor in the words in which Agade is mentioned is there anything to connect the tablet in question (*W. A. I.* ii. 39, n. 5) with Agade, which contains an Assyrian commentary on an astrological work: the town is simply spoken of as the city of Sargon. The remark of EPPING (*Astronomisches aus Babylon*, p. 5) that from this tablet "glauben wir schliessen zu dürfen, dass solche Texte aus Agade [*i.e.*, Agade] in Babylonien importiert wurden," is therefore

not justified. But nevertheless the late Mr. GEORGE SMITH wrote in his "Early History of Babylonia" (*T. S. B. A.* i. p. 47) that "Sargon is often mentioned on the astrological and omen tablets, and an edition of those works was probably written in his reign." It was then merely a conjecture of GEORGE SMITH's that, because Sargon was mentioned on those tablets, therefore they were originally edited in Sargon's time, and handed down thus edited to the latter copyists and translators whose work we now have before us. A mere conjecture; yet two years later, in Prof. SAYCE's "Astronomy and Astrology of the Babylonians" (*T. S. B. A.* iii. p. 150) we find the following statement: "The standard astrological work of the Babylonians and Assyrians was one consisting of 70 tablets, drawn up for the library of Sargon, King of Agane." The italics are mine. Here is the origin of the "current statement" that the Series called the "Illumination of Bel" dates from the time of Sargon, 3800 B.C.

Now it is not *necessary* to suppose that the references to Sargon which appear on these "tablettes augurales" of the eighth century B.C. prove any connection between them and him or Agade at all; but if it be objected that they *may* fairly be taken to imply some connection, this is the utmost that can be conceded; many of the tablets may have been copied from older ones which were *supposed*, in the eighth century B.C., when they were copied, to date from the time of far more ancient kings, especially Sargon of Agade, the Alfred the Great of Babylonian history, of whom all manner of stories were told and on whom all manner of doings were fathered. That is all. And these are the "tablettes augurales de Sargon I." of which M. CHANTRE speaks. The use of such a phrase is likely to convey a very false impression.

And what would be the value of the mention of Hittites on astronomical tablets of the eighth century which possibly may have been regarded by the learned of the day as handed down from the original edition of Sargon of Agade, but equally possibly may in reality have had nothing whatever to do with him? None. On a tablet of the "Illumination of Bel" series (*Brit. Mus. K.* 270; *W. A. J.* iii. 60, l. 45-47) we read:

"If an eclipse happens on the 20th day the King of *Hattē* (otherwise the King of *Hâtē*) will come and will seize the throne." The *Hattē* or *Hâtē* are, no doubt, the same people as the *Kheta* of the Egyptians, and these people, whether we, guessing an unproven identity, call them "Hittites" or not, were probably of the same race as the people of Boghaz Kōi and Eyuk; the facial type and dress of the *Kheta* on Egyptian monuments of the fourteenth century B.C. exactly resembles those of the people of the ruder reliefs at Eyuk, whom M. CHANTRE calls "Hétéens." M. CHANTRE'S "Hétéens" are then mentioned on an astronomical tablet of, at earliest, so far as we *know*, the eighth century B.C. And this is all the foundation there is for the idea, apparently accepted by MM. CHANTRE and BOISSIER, that the *Hattē* are mentioned in the "augural tablets" of Sargon I., and that therefore the kingdom of Boghaz Kōi and Eyuk was already in existence as early as B.C. 3800! Even if the tablets of this series *were* handed down in a series of copies from the time of Sargon—an explanation which cannot be proved correct—where is there any proof that the reference to the *Hattē* might not have been inserted at any period between Sargon's time and the eighth century B.C.?

There is, then, no proof of a Hittite kingdom having existed, with Pterion as its capital, as early as 3800 B.C. The most ancient contemporary mention of the *Kheta* or *Hattē* which we possess is that made by the Egyptians, who speak of them first in the time of Thothmes III., c. 1550 B.C. But this does not show that Boghaz Kōi and Eyuk were built as early as 1550 B.C.! The oldest of the cuneiform tablets found at Boghaz Kōi are no older than c. 1400 B.C., if as old. All, then, that can be said with certainty is that the cuneiform script was used in Asia Minor as far west as Pterion perhaps as early as c. 1400 B.C., so that Babylonian influence may well be credited with having already made itself felt beyond the bounds of *Marta* as early as 2000 B.C.; perhaps even earlier. But there is no proof of any *Babylonian colony* at Pterion at any period whatsoever.

P. 134 n. The Gazans of Roman times accepted the legend of Cretan origin. Minos and Io figure on their coins

as Meino and Eio; the town was called "Minôa"; and Marna, their chief god, was identified with Jupiter Cretigenes. The name *Marna* or *Marnas* is not necessarily Aramaic (= "Our Lord"); such a name might as well be non-Semitic as Semitic.



P. 143. The royal name *Uaertesen* has lately been read, by a transposition of the elements of the name, *Senusert*, or as the German school would call it, *Senwosret*, the element *Uaert* (*Wosret*) being taken to be the name of a goddess, written first *honoris causâ*, but not spoken first. I am, however, by no means convinced that the Egyptians of the time really read the name "Sen-Usert": so I hold to the old reading "Usert-sen." The equation "Senwosret" = $\Sigma\epsilon\sigma\omega\sigma\tau\epsilon\tau\iota\varsigma$ is hardly satisfactory.

P. 152. The use of the archaic Egyptian slate objects carved in relief, which I have called simply "Reliefs," is unknown. Prof. PETRIE thinks they are a ceremonial survival of the slate palettes used in predynastic times on which to grind paint; Mr. LEGGE suggests that they are ceremonial reproductions of shields. (*cf.* LEGGE, *The Carved Slates from Hieracoupolis and elsewhere*, *P. S. B. A.* xxii. p. 125 ff.; PETRIE, *Note on a Carved Slate*, *ib.* p. 140 f.)

P. 154. The XIIth or XIIIth Dynasty Egyptian statuette from Knossos (illustrated by EVANS, "The Palace of Knossos in its Egyptian Relations," in the *Archæological Report* of the Egypt Exploration Fund for 1900-1901) was found in the great Eastern Court of the palace in a position into which it had probably worked from a stratum which at other points in the palace contains relics of the Kamárais period (EVANS, *Ann. Brit. Sch. Ath.* vi. 27). But this evidence for the date of the Kamárais period cannot be said to be conclusive, as it rests only on a probability. So also the presence of the statuette at Knossos cannot be regarded as irrefragable evidence for the connection of Crete with Egypt under the XIIth Dynasty, for, since its original position is uncertain, it may have been brought to Crete in the Mycenaean period, long after the date of its manufacture.

P. 164. On an Egyptian wooden tablet of the XIXth Dynasty (c. 1250 B.C.), now in the British Museum (No. 5647), and published by SPIEGELBERG (*Assyrische Zeitschrift*, viii. 384) is a list of Keftian proper names: *Ashahure*, *Nasui*, *Akashau*, *Adinemi* (read by SPIEGELBERG "Adinai"); and the name of a country, *Pinarutau* or *Pinaltau*. W. M. MÜLLER (*ib.* ix. 394) has rightly compared *Akashau* with the Philistine *Akish* (LXX. Ἀγχιος), *Ikausu* (*c. ante*, p. 135 n.). This is interesting when taken in connection with the probable Cretan origin of the Philistines.

P. 165, n. 1. The *Golenischeff Papyrus*, which contains the report of Uenuâmen, an envoy sent from Egypt by the first priest-king, Herheru, about 1050 B.C., to Phœnicia to bring wood from the Lebanon for the construction of the great festival-bark of the god Amen at Thebes, gives us a most interesting glimpse of Alashiya (Cyprus) in the eleventh century B.C. After much speechifying and argumentation the Egyptian ambassador prevailed upon the Prince of Byblos to have the wood which he wanted brought down from the Lebanon to the seashore. Here, however, a difficulty presented itself; the harbour was filled with the piratical ships of the Tchakarai (Cretans?), who refused to allow Uenuâmen to return to Egypt. "They said: 'Seize him; let no ship of his go to the land of Egypt!' Then I sat down and wept. The scribe of the prince came out to me: he said to me, 'What ails thee?' I replied, 'Seest thou not the birds which fly, which fly back to Egypt? Look at them; they go to the cool canal, and how long do I remain abandoned here? Seest thou not those who would prevent my return?' He went away and spoke to the prince. The prince began to weep at the words which were told unto him and which were so sad. He sent his scribe out to me, who brought me two *maschet* of wine and a deer.¹ He sent me Thentnut, an Egyptian singing-girl who was with him, saying to her, 'Sing to him, that he may not grieve!' He

¹ The foreign word *âaile* (the animal sent as food to Uenuâmen) is probably not , a ram, but , a deer, the Assyrian *aialu*.

ent word to me : 'Eat, drink, and grieve not ! To-morrow shalt thou hear all that I shall say.' On the morrow he had the people of his harbour summoned, and stood in the midst of them and said to the Tchakarai, 'What ails ye ?' They answered him : " We will pursue the piratical, piratical ships which thou sendest to Egypt with our unhappy companions.' He said to them : 'I cannot seize the ambassador of Amen in my land. Let me send him away and then do ye pursue after him to seize him !' He sent me on board and sent me away . . . to the haven of the sea. The wind drove me to the land of Alashiya. The people of the city came out in order to slay me. I was dragged by them to the place where Hathaba, the queen of the city, was. I met her as she was coming out of one of her houses into the other. I greeted her and said to the people who stood by her : 'Is there not one among you who understands the speech of Egypt ?' One of them replied : 'I understand it.' I said to him : 'Say to my mistress ; Even as far as the city in which Amen dwells [*i.e.* Thebes] have I heard the proverb, "In all cities is injustice done ; only in Alashiya is justice to be found," and now is injustice done here every day !' She said : 'What is it that thou sayest ?' I said to her : 'Since the sea raged and the wind drove me to the land in which thou livest, therefore thou wilt not allow them to seize my body and to kill me, for verily I am an ambassador of Amen. Remember that I am one who will be sought for always. And if these men of the Prince of Byblos whom they seek to kill (are killed), verily if their chief finds ten men of thine, will he not kill them also ?' She summoned the men, and they were brought before her. She said to me : 'Lie down and sleep. . . .' Here the papyrus breaks off, and we do not know how Uennamen returned to Egypt with his wood. The description of the landing in Alashiya is quite Homeric. [Text published by GOLÉNISCHEFF, *Revueil*, xxi. (1899) p. 74 ff.]

P. 179. The majority of these tribes were originally identified by DE ROTGÉ, (*Rev. Arch.* 1867; *Etude sur divers Monuments*, &c.) ; the Tchakarai were identified by CHABAS (*Recherches sur l'Antiquité Historique*, p. 286 ff.), the *Shardina*

and *Shakalasha* by MASPERO (*Recue Critique*, 1880, p. 109 f.), the *Pulusatha* by CHAMPOLLION, in his *Dictionnaire Hiéroglyphique*.

P. 240, n. 1. The misread name occurs on the British Museum tablet K. 252, a list of deities. In l. 1 of col. 5, which is described on the tablet as "List of the Judge-Gods of Assur," occurs the name of a deity, presumably an Assyrian god and not a "Sumero-Akkadian goddess," which reads
 ▶| ◯|| |▶ ▶E| |, *ilu Is-me-la-a*, "god *Ishmelâ*," not "Shamelâ" (◯|| |▶ ▶E| |).

P. 260, n. 1. A useful sketch of the chronology of early Italian art, with especial reference to the date of the beginnings of Greek influence, will be found in KARO, *Cenni sulla Cronologia Preclassica nell' Italia Centrale*, Bull. di Paleologia italiana, 1898, p. 144 ff. He well criticizes the strange chronological theories of MONTELIUS (*Pre-Classical Chronology in Greece and Italy*, Journ. Anthrop. Inst. 1897, p. 261 ff.).

P. 272. Apries *did* succeed in directly offending Egyptian conservatism. He paid for his partiality for the Greeks first with his throne and then with his life. From an inscription lately published by DARESSY in the *Recueil* (xxii. p. 1 ff.) it appears that Apries, after having been deposed by Amasis, but allowed to retain the royal style, attempted to regain his throne with the aid of Greek mercenaries, and was completely defeated by Amasis in his third year. The account of Herodotos (ii. 163, 169) of the battle of Momemphis is thus completely confirmed, except as regards the fact that this battle took place in the third year of the reign of Amasis, not before he became king.

The following are the most important passages of the inscription: l. 2 " . . . His Majesty (Amasis) was in the Festival-Hall, discussing plans for his whole land, when one came to say to him: 'Hāā-āb-rā (Apries) is rowing up: he has gone on board the ships which have crossed over. Hānebu (Greeks), one knows not their number, are traversing the North-land, which is as if it had no master to rule it: he (Apries) has summoned them, they are coming round him.

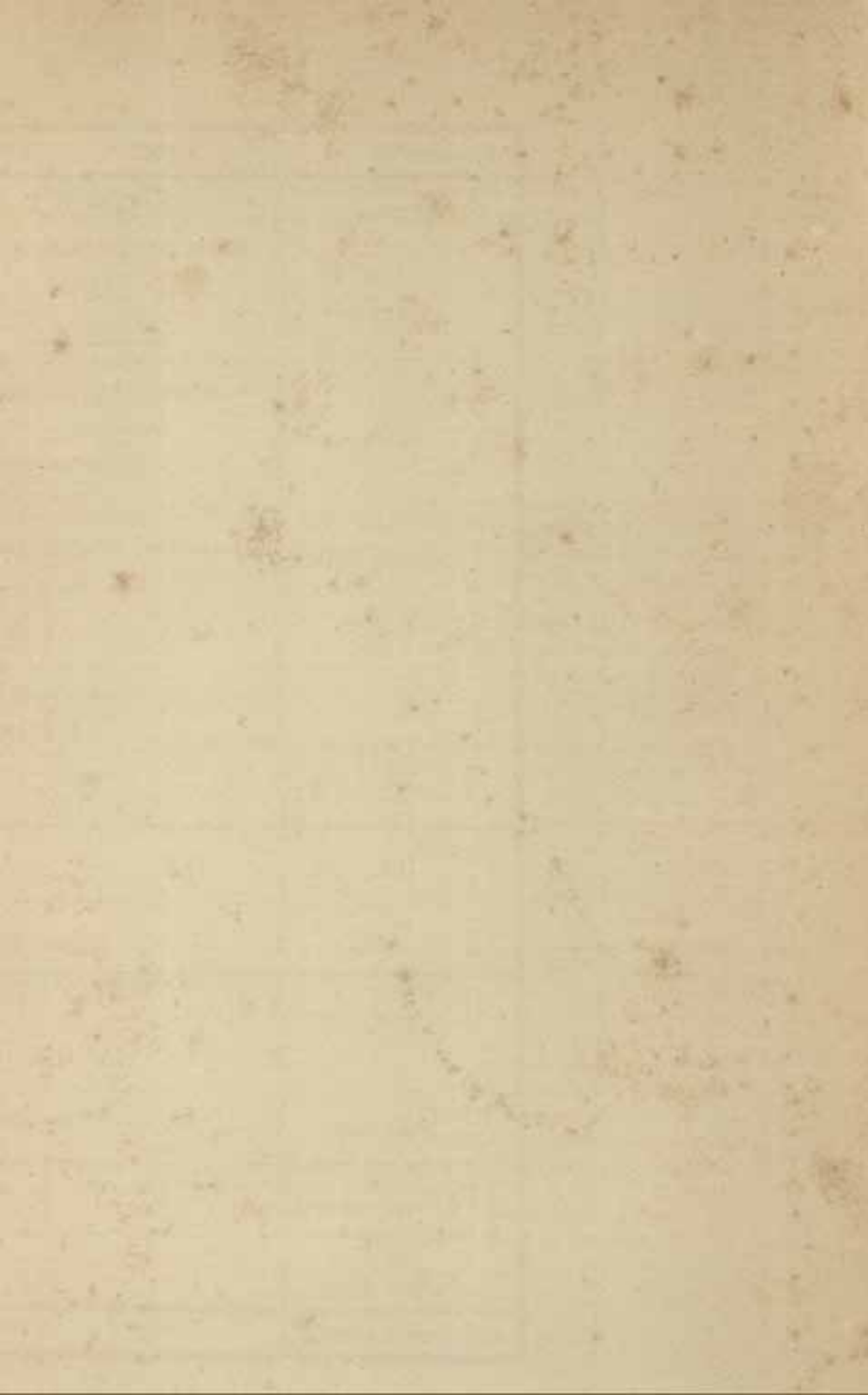
It is he who has arranged their settlement in the Peh-ân (in the Andropolite nome) : they infest the whole breadth of Egypt, they have reached Sekhet-Mafek (Terraneh) : those who are on thy waters fly before them! . . . (Amasis summoned his councillors and captains, made them a speech to which they replied, and set out to battle). . . . His Majesty mounted his chariot, having taken lance and bow in his hand . . . [the enemy] reached Andropolis ; the soldiers sang with joy on the roads . . . they did their duty in destroying him who was opposed to him. His Majesty fought like a lion : he made victims among them, one knows not how many. The ships and their warriors were overturned, they saw the depths as do the fishes. Like a flame he devoured (*lit.* broadened, extended), making a feast of fighting, making a feast of fighting. His heart rejoiced. . . . The third year, the 8th Athyr, one came to tell His Majesty : 'Let their vileness be ended ! They throng the roads, there are thousands there ravaging the land : they fill every road. Those who are in ships bear thy terror in their hearts. But it is not yet finished !' Said His Majesty to his soldiers : . . . 'Young men and old men, do this in the cities and nomes ! . . . Going upon every road, let not a day pass without fighting their galleys.' . . . The land was traversed as by the blast of a tempest, destroying their ships, abandoned by the crews. The people accomplished their fate : killing its (? their) prince (Apries) on his couch, when he had come to repose in his cabin. When he saw his friend overthrown in his [. . .] which he had done in front of the canal, His Majesty himself buried him in it, in order to establish him as a king possessing virtue, for His Majesty decreed that the hatred of the gods should be removed from him."

The last few lines are rather difficult to make out, but the above appears to be their literal meaning. Apries was slaughtered on his ship by the country-people, and was buried in a manner befitting a king at the charges of Amasis himself. This warded off from the spirit of Apries the just anger of the gods at his partiality for the "foreign devils," and ensured his reception by Osiris as a king *neb meikh*, "possessing virtue." This was, no doubt, a politic act on the part of the usurping Amasis.

ATTEMPT AT AN APPROXIMATE CHRONOLOGICAL SCHEME OF THE MYCENAEAN PERIOD, &c

Approximate Date B.C.		2500	2000	1700	1600	1500	1400	1300	1200	1100	1000	900	800	700	600				
Introduction of Metals into the Mycenaean Lands.		COPPER							BRONZE.										
The Mycenaean Lands.	Greece proper.	PRIMITIVE (PRAE-MYCENAEAN) PERIOD. <u>Athens I</u>			MYCENAEAN PERIOD. <u>Tiryns</u> , <u>Mycenae</u> , <u>Iolkos</u> , <u>Athens</u> , &c <u>Orchomenos</u> , <u>Kephallenia</u> , Mycenaean Hegemony.							Dorian Invasion	GEOMETRICAL PERIOD. <u>Dipylon</u> , <u>Boeotia</u> .		RENASCENCE <u>Mixed Styles</u> <u>Phaleron</u> , Colonization.				
	Aegean	PRIMITIVE (PRAE-MYCENAEAN) PERIOD. <u>Island-Graves</u> , <u>Hagios Onouphrios</u>		PROTO-MYCENAEAN PERIOD. <u>Thera</u> , <u>Melos</u> , <u>Kammaris</u>		MYCENAEAN PERIOD. <u>Knossos</u> , <u>Ialyssos</u> Minoan Thalassocracy. Mycenaean Thalassocracy							Karian Thalassocracy	Dorian Invasion	GEOMETRICAL PERIOD <u>Aegina</u> , <u>Crete</u> , <u>Rhodes</u> .		RENASCENCE. <u>Mixed Styles</u> <u>Melos</u> , <u>Rhodes</u> .		
	Asiatic Coast of Aegean	PRIMITIVE (PRAE-MYCENAEAN) PERIOD <u>Troy I</u> , <u>Troy II-III</u> .			MYCENAEAN PERIOD. <u>Troy VI</u> , <u>Bin Tepé</u>							Sub-Mycenaean Styles		Dorians Reach Asia	RENASCENCE <u>Protocorinthian and Ionian Styles</u> <u>Odyssey</u>		Colonization.		
	Cyprus	PRIMITIVE (PRAE-MYCENAEAN) PERIOD <u>Agia Paraskevê</u> , <u>Kalopsida</u>			Aryan Immigration?		MYCENAEAN PERIOD. <u>Relations with Egypt</u> , <u>Laxia-teu-Rhiou</u>							Delayed Mycenaean Styles		Assyrian Conquest.	GRAECO-PHOENICIAN PERIOD. <u>Three Geometrical Styles</u> , <u>Larnaka</u> , <u>Amathous</u>		Dorians Reach Asia
	The West	Primitive Period. (No Mycenaean Traces)										MYCENAEAN REMAINS IN <u>Sicily</u> , <u>Italy</u> , (rare)		Protocorinthian Vases in Sicily.					
Egypt	<u>Khataaneh</u> , <u>Kahun</u> .			<u>(Tomb of Rekhmara)</u> , <u>Tell et Amarna</u> , <u>Gurob</u> .				<u>(Tomb of Rameses III)</u> (Scanty Traces)			(No Greek Traces)				<u>Naukratis</u> , <u>Daphnai</u> .				
Contemporary Events in	Egypt	XII th Dyn. XIII th Dyn Hyksos		XVIII th Dyn <u>Thothmes III</u> , <u>Khuenaten</u> , <u>Rameses II</u> , <u>Amenhotep III</u> .			XIX th Dyn <u>Nubians & Libyans</u> attack Egypt		XX th Dyn <u>Rameses III</u> , defeats <u>Nubians</u> and <u>Philistines</u> .		XXI st Dyn <u>Decadence</u> , <u>Priest Kings</u> .		XXII nd Dyn <u>Bubastites</u> .		Ethiopian v. Assyrians. <u>Milesian Settlement</u>		XXVI th Dyn. RENASCENCE <u>Naukratis</u> .		
	Palestine	<u>Mesopotamian Influence</u> .		<u>Conquered by Th III</u>		<u>Revolts from Khuenaten</u>		<u>Reconquered by Seti I and R. II</u>		<u>Abandoned by Egypt</u>		<u>Hebrew Kingdom</u> , <u>Phoenician Activity</u>		<u>Judah & Israel</u> .		Assyrian Domination			
	Mesopotamia	<u>Unified by Hammurabi</u>		<u>Egyptian Domination</u> .			<u>Kassite Kings</u>		<u>Rise of Assyria</u> .		Assyrian Empire <u>Sargon</u> , <u>Esarhaddon</u> , <u>Assur-banipal</u> .						<u>Fall of Nineveh</u>		
	Inner Asia Minor	<u>Rise of the Kheta</u> <u>Relations of Egypt and Mitanni</u> , <u>Wars between Egypt and the Kheta</u>										<u>Kheta finally subdued by the Assyrians</u> , <u>Midas of Phrygia</u>		Assyrian Domination		<u>Lydian Kings</u>			
Approximate Date B.C.		2500	2000	1700	1600	1500	1400	1300	1200	1100	1000	900	800	700	600				

The names of typical find-sites are given underlined.



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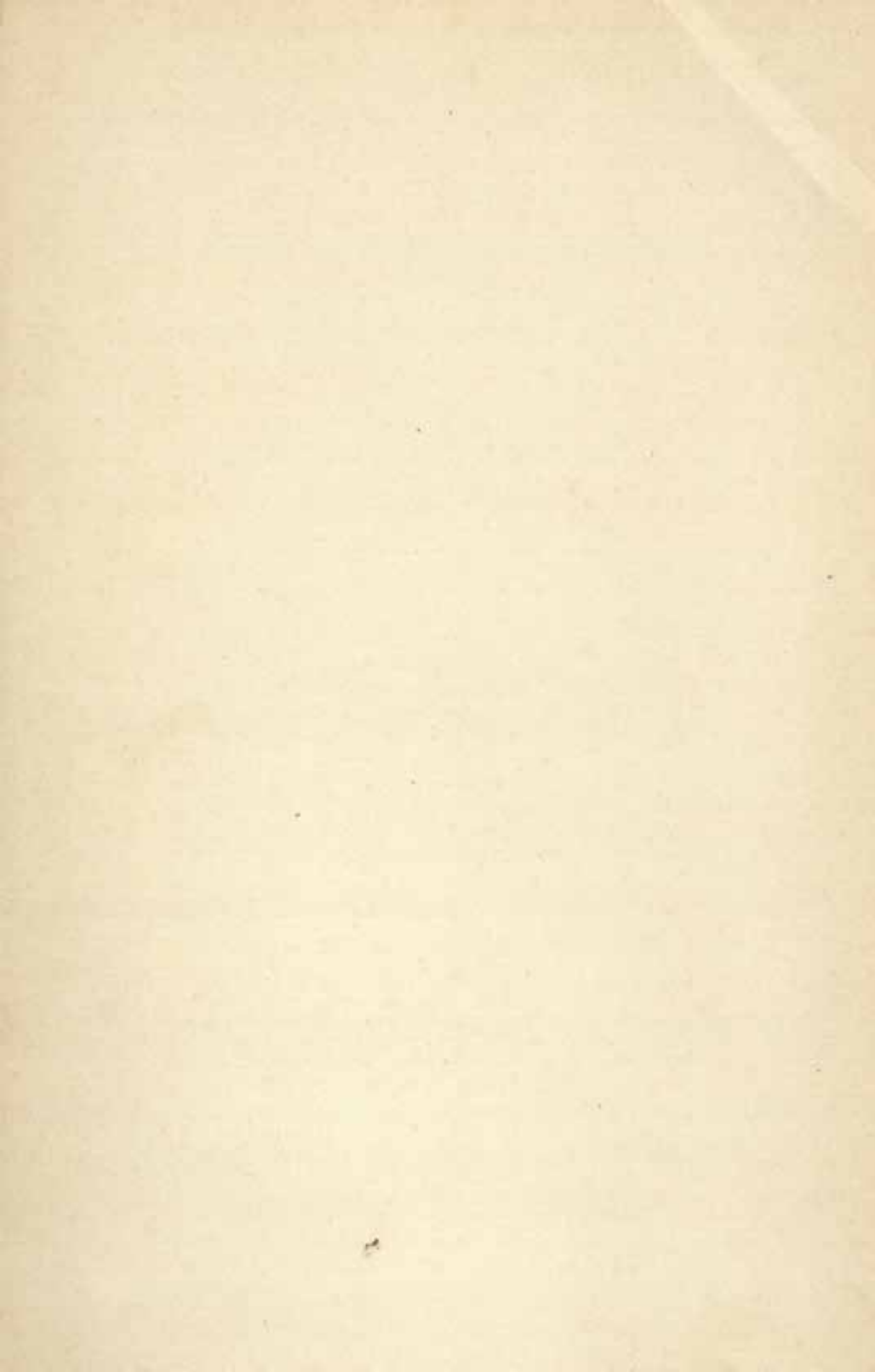
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