# CATALOGUE 

of

INDIAN COINS

## THE BRITISH MUSEUM.

## GREEK AND SCYTHIC KINGS OF BACTRIA AND INDIA.

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# THE COINS 

## GREEK AND SCYTHIC KINGS OF BACTRIA AND INDIA

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## THE $\underset{\underline{B} R I T I S H ~ M U S E U M . ~}{\text { THIS }}$

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## EDITOR'S PREFACE.

The present volume contains all the coins which were issued by the Greek and Scythic kings who ruled in India and the neighbouring lands between the time of Alexander the Great and the third century A.D.

The work has been long and laborious, alike to compiler, editor, and printer. The number of unusual characters which it contains has greatly hindered its progress; but the typographical difficulties have not been the only ones. The history of the kings is very obscure, and the types employed on their coins often of a mixed and uncertain character. On the other hand, few fields of numismatics offer richer material, historical, archaeological, and even philological; though philological theories are necessarily excluded from these pages.

Special thanks are due to Geueral Cuuningham, R.E., who has allowed the compiler free use of his plates published in recent volumes of the Numismatic Chronicle, and has thus enabled the present work to be rendered far more complete than it could otherwise be: also to Professor Cecil Bendall, who has given valuable philological aid.

The system of transliteration adopted for Prakrit words is that used by Professor Aufrecht in the Sanskritic Catalogue of the Bodleian Library; also in the Catalogue of Books in the British Museum.

I have carefully revised the manuscript of this work, comparing each coin with the corresponding description.

REGINALD STUART POOLE.

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## THE COINS <br> of THE

## GREEK AND SCYTHIC KINGS of <br> BACTRIA AND INDIA.

## INTRODUCTION.

In treating of the arrangement of the coins of the Greek and

## Necessity for here

 examining historical data. Scythic Kings of Bactria and India, it is necessary to enter briefly into all the known facts of their history. The Kings of the Seleucid and Ptolemaic dynasties succeeded one another in a known order, and the chief events of their reigns have been handed down to us by ancient writers. It was therefore unnecessary to give the facts of their history as an introduction to the lists of the coins issued by them. But in regard to all but two or three of the kings of the farther East, the ancient historians are quite silent; and coins and inscriptions alone save us from ignorance even of their names. Therefore it is necessary in this Introduction to trace the outlines of any history which can now be recovered, and in particular in some detail to set forth the historical facts which may fairly be established by means of the coins. In order to bring the discussion into the narrowest possible limits, it will be necessary (1) to abstain from mere conjecture, however tempting; (2) to avoid full discussion of disputed points, merely indicating where difference of opinion exists, and referring, when possible, to works already published, or monographs in various numismatic journals; (3) to treat in detail only such parts of history as have a numismatic bearing.The writers to whom credit is due for the arrangement and deciMost important pherment of these coins are, in the first rank, James writers. Prinsep* and General Alexander Cunningham. $\dagger$

## * Essays on Indian Antiquities.

$\dagger$ Coins of the Successors of Alexander, Numismatic Chronicle, 1868, \&ce

Mr. E. Thomas,* Lassen, $\dagger$ and Wilson, $\ddagger$ have also done much important work, both historical and numismatic, in the same field. The most recent monograph on the coins is that of von Sallet, § whose scholarly acquirements and solid numismatic judgment have enabled him to correct on many points the theories of his predecessors. Mr. James Fergusson's and Professor Cowell's researches have also been of the greatest value to the present purpose; and there is much valuable matter in von Gutschmid's article on the Graeco-Parthian Empire in the ninth edition of the Encyclopadia Britannica, s. v. Persia. When a debt is due to other writers, it will be mentioned in the foot-notes.

## I. Historical Outlines.

The numismatics of the Greek rulers of India properly begins

Alexander the Great:
Rulers who issued coin B.C. 330260. with Diodotus. But there are a few coins issued in India or neighbouring countries at an earlier period than his, which are, for convenience, included in this volume. Whether Alexander himself, during his sojourn in India, issued coins in his own name, may perhaps be doubted; but it is at least a plausible conjecture that certain bronze coins, $\|$ bearing the usual types of Alexander and his name, but of square form, were issued in India, as the custom of issuing square coins already existed in India in Alexander's time, but in no other country. These pieces, then, unfortunately wanting in the British Museum, may be considered as the earliest Greek coins of India.

[^0]In recent years the region of Balkh (Bactria) has furnished an abundant supply of coins, issued by the immediate successors of Alexander in that district.* Among these are double darics, with Greek letters on the obverse; gold and silver coins of the first three Antiochi, with the types of a seated Apollo and of a horse's head; silver coins of Seleucus I., with types of a chariot of elephants and a horse's head; coins issued during the joint reigns of Seleucus and Antiochus I., bearing the names of both rulers; and gold money of an early king of the Persepolitan class, with Pehlvi legend.

Among these also have come to light a few coins, in gold and silver, of a king named Andragoras, who is con-

## Andragoras.

 jectured to have been ruler of Parthia or one of the neighbouring countries in the early part of the third century b.c. The only ancient authority who mentions this king is Justin, $\dagger$ who states Andragoras to have been the name of (1) a Persian noble set up as Satrap of Parthia by Alexander, (2) a Satrap of Parthia overthrown eighty years later by the first Arsaces. It is more probable that the coins published in our catalogue belong to the period of the second of these rulers. The issue of gold coin shows that the ruler who issued them claimed a complete independence; and this is a further reason for assigning him to the time of the break up of the Seleucid empire in the East, about b.c. 250.The coins of Sophytes were first published by Cunningham. $\ddagger$
Sophytes. They are the more interesting because their date and place of issue can be approximately fixed. We learn from several of the historians of Alexander's reigu that Sopeithes, or Sophytes, ruled a district on the banks of the Acesines

* P. Gardner, in Num. Chron. 1879, p. 1; 1880, p.181; 1881, p. 8. Cunningham, in R. A. S. B. Journal, 1881, p. 151. Especially has a find from the Oxus river enriched the cabincts of collectors.
$\dagger$ Justin, xii. 4, xli. 4. Cf. Num. Chron. 1879, p. 1; 1881, p. 8.
$\ddagger$ Num. Chron. 1866, p. 220.
at the time of Alexander's invasion, and was confirmed by the latter in the possession of it. But Sophytes' coins are copied from the issues, not of Alexander, but of Seleucus. It would appear from them that Sophytes renewed with Seleucus, very probably on the occasion of that king's eastern expedition against Sandracottus, the friendship which he had established with Alexander.

After this expedition, for the period of a century, that is to say during the third century before our era, India proper was governed altogether by native rulers; the power of the Seleucidae and Greek kings of Bactria stopping at the Indian Caucasus.

The date of the revolt of Bactria against the authority of the

> The Bactrian
> revolt.
> Diodotus. Seleucidae, who had inherited all the eastern parts of the empire of Alexander, cannot be accurately fixed. Justin,* however, states that it was contemporary with another revolt of one of the eastern provinces of the Seleucid empire, that of the Parthians under Arsaces; an event which took place in b.c. $248 . \dagger$ About that time, then, Diodotus, Satrap of Bactria, revolted against Antiochus II. of Syria, and succeeded in establishing his independence. He seems to have prepared his subjects for a change of masters by issuing coin bearing the types of Antiochus II. of Syria, but with his own portrait. $\ddagger$ After his establishment in the kingdom he continued this issue unchanged, only substituting his own name, besides his portrait, for that of the Seleucid king. According to Justin, § Diodotus soon died, and was succeeded by his son, also named Diodotus, who made a treaty of alliance with Arsaces, the first Parthian king. But it seems clear that all coins which have come down to us bearing the

[^1]name of Diodotus were issued by one king. We must therefore either suppose that Justin is wrong and has duplicated a single monarch, or that the younger Diodotus continued the issue of his father's money unchanged, or, finally, that the elder Diodotus continued during his lifetime to issue money in the name of Antiochus of Syria, and that our coins with the name of Diodotus were issued by his son, who first ventured to introduce his own name and portrait on the coin. Between these alternatives we cannot venture to decide; in favour of the last, it may be observed that the portrait of Diodotus on his coins is that of a man of not more than middle age; the coins of flat fabric, and bearing an elderly portrait, being now considered forgeries.

We learn that Diodotus was superseded in the rule of Bactria

## Euthydemus.

Eastern expedition of
Antiochus III. by Euthydemus, a native of Magnesia, in Ionia, possibly a Satrap of some neighbouring province, who was in full power at the time when Antiochus the Great made his eastern expedition, in or about b.c. 208. The accurate pages of Polybius* give us a glimpse into his history which is very valuable. Euthydemus being defeated in battle by Antiochus, and unable to oppose him, appealed to his generosity, saying that he was born in Asia Minor, and was not one of those who had revolted against Antiochus II., but, on the contrary, had gained the kingdom after rooting out the descendants of those who had so revolted. He pointed out the grave danger that must arise if he were obliged to call in the aid of the Scythians, who were already hovering on the Chinese frontier of his dominions. Antiochus seems to have been open to conviction: finally, he agreed to acknowledge Euthydemus' independence; and, taking a fancy to Demetrius his son, promised him one of his own daughters in marriage.

$$
\text { * Hist. x. ad fin., xi. } 34 .
$$

After making terms with Euthydemus, Antiochus advanced across the Paropamisus into India, and made a treaty with the Indian king, Sophagasenus, or Subhägasena, who seems at that time to have been in full possession of the Kabul Valley, the Greek dominion stretching little, if at all, to the south of the Indian Caucasus. Thence Antiochus returned, through Arachosia and Drangiana, to Syria.

With the beginning of the second century b.c. we find great

> Demetrius and Eucratides: conquests to East \& South changes taking place in the Greek regions of Central Asia. On the death of Euthydemus, his son Demetrius succeeded; and we find, as contemporary and rival of the latter, the great Eucratides, whose career of chequered victory and defeat may be partly traced in historical records. At the same time the Greeks, perhaps in consequence of the constantly increasing pressure from the north of the nomadic tribes of Central Asia, made their way across the Indian Caucasus, and began to wrest from the native Indian princes the districts of Kabul and the Panjab, which had been left under native dominion by the Seleucid kings from Seleucus I. to Antiochus III., and which Diodotus does not seem to have attacked; for coins of Diodotus are not found south of the Indian Caucasus. On the other hand, those of Euthydemus are found as far south as Seistan, and as far east as the Panjab;* and the city of Sagala, in the neighbourhood of Lahore, bore the surname of Euthydemia. Thus the sudden extension of the Greek pale would seem to have been a feature of the later years of Euthydemus. But it appears, from the statements of ancient writers, that the actual conqueror was not Einthydemus but his son Demetrius, who was probably his colleague in the kingdom as well as his successor. Thus Justin $\dagger$ speaks of

[^2]Demetrius as king of India, and Strabo* couples him with Menander as a chief agent of Greek conquest in India. What seems most likely is that Demetrius made considerable conquests during his father's lifetime.

We are, however, scarcely justified in saying, as does v.Gutschmid, $\dagger$ that "Demetrius himself marched down the course of the Indus, conquered Pattala and the kingdom of Saraostes (Surāshtra) and Sigerdis, probably the district of the commercial city Barygaza." The careless language of the passage of Strabo in which these places are mentioned as within the Greek pale seems only to imply that some of the Greek kings extended their conquests so far ; and it is reasonable to suppose that the rule of Menander was extended farther to south and east than that of Demetrius ; to Menander therefore the conquest of the Indus valley may be with more reason ascribed.

Not only did Euthydemus acquire, through his son's activity, territory in India, but he also probably ruled the widest district ever possessed by the Greeks to the north of the Paropamisus, from Margiana to Chinese Tartary. Even into the Celestial Empire the influence and the trade of the Greeks seems at this time to have penetrated. Of this a proof is furnished by a coin brought by Sir D. Forsyth from Kashgar, $\ddagger$ bearing a Chinese legend and inscribed with the name and titles of a Greek king, possibly Hermaeus. After Euthydemus' death his dominions were broken up by the rivalry between Demetrius and Eucratides, as well as by the rise and usurpations of fresh kings of uncertain origin, such as the first Antimachus.

[^3]Of Eucratides also the origin is obscure．We know，however，by a fortunate chance，the names of his father and mother．

Coins of Eucratides with his father and mother． These are furnished to us by the remarkable coins＊ which bear on one side the head of Eucratides，and the inscription Baテ̈亢入èेs Eùkpatiōns；on the other the portraits of his father and mother，Heliocles and Laodice．The very collocation of the inscriptions which appear on the two sides
 where we seem almost compelled to understand the word viós， shows that in them Eucratides intends to proclaim his parentage． Heliocles does not seem to have been a king at all，for his por－ trait wears no diadema，but Laodice＇s head does seem to be bound with the diadema，in the Greek East the invariable sign of royalty． And indeed her appearance on coins in snch a connexion would scarcely be explicable unless she were of royal parentage．But we must remain in ignorance whose daughter she was．Von Sallet has proposed an entirely different interpretation of the coins in ques－ tion．He thinks that they were issued by Eucratides，not in honour of his parents，but on the occasion of the marriage of his son Heliocles（who afterwards succeeded him）with a Laodice，whom Sallet conjectures to have been daughter of Demetrius by the daughter of Antiochus III．，whom that monarch betrothed to Demetrius in the course of his Indian campaign．On this hypo－ thesis some recent writers have tried to build further structures of theory．But it is unfitted to bear such a weight．In its favour is the one fact that the name Laodice was usual in（not peculiar to）the Seleucid dynasty of Syria．On the other side are reasons of more weight．The portraits of Heliocles and Laodice on the coins are of elderly，not young persons；and it is not easy to see how Sallet would interpret in the inscriptious which accompany

[^4]the portraits the genitive case in the names of Heliocles and Laodice, unless he understands before them the word viós. If any one carefully compares the head of the elder Heliocles (pl. vi. 9), with that of Eucratides (pl.v. 6), and that of the younger Heliocles (pl. vii. 1, 2), he must allow that it resembles Eucratides far more nearly than his son; which may be best accounted for by supposing that the artist constructed the head of the elder Heliocles after his death, on the analogy of that of his son Eucratides.

The wars between Demetrius and Eucratides are mentioned by

> Wars of Demetrius and Encratides. Justin;* but the statements of this writer must be received with great caution, nor can we believe his assertions that the Indian conquests of Eucratides belong to the end of his reign, or that Demetrius ruled until nearly the same time. For the coins seem to contradict them. The coins of Demetrius come in almost all cases from Bactria, those of Eucratides are very commonly found in the Kabul Valley. The coins of Demetrius bear Greek legends only, with rare exception, while the bronze coins of Eucratides are nearly all bilingual, an indication alike of their later date than the money of Demetrius and that they were issued in India. We therefore, must still retain the opinion that Demetrius ruled only during the early part of the reign of Eucratides in Bactria as well as in India, aud that Eucratides was for a great part of his reign lord of India as well as of Bactria and Arachosia. Eucratides founded the city of Eucratidia in Bactria; Demetrius, Demetrias in Arachosia, and Euthydemia in India.

Cunningham places the commencement of the career of Eucratides

[^5]Reign of Eucratides. about b.c. 190, and this date must be approximately right.* His reign began brilliantly, and was continued with chequered fortune; but the wide field over which his coins are found, $\dagger$ and their commonness, seems to testify to his great power. We may also remark his assumption of the title Baбi入èेs $\mu$ éras as a clear indication of extensive dominions, and the fact that his types and titles are copied by the kings of Parthia, $\ddagger$ and by Timarchus, king of Babylon, § as showing how widely his money circulated. But it appears that towards the end of his reign certain provinces\| were wrested from him by the Parthians, probably in the time of their great king Mithradates, who came to the throne about b.c. 170. The reign of Eucratides appears to have lasted until the times of two kings, who certainly imitate his money, Plato, whom the date on his unique and remarkable coin shows

Plato. to have ruled in b.c. 165, and Timarchus of Babylon b.c. 162. Plato would seem to have been a mere ephemeral rival, or a revolted satrap of Eucratides.
We must assign to the period of the reign of Eucratides, that

> Euthydemus II.
> Pantaleon, Agathocles, Antimachus I. is, to the first half of the second century b.c., the coins of the kings Euthydemus II., Pantaleon, Agathocles, and Antimachus I. This assignment, which was first made by von Sallet, is on grounds of style quite incontestable. It is impossible, in view of the art

[^6]and fabric of the coins of those kings, to give them, as previous writers, and even Cunningham did, to the earliest days of Bactrian independence. And thie evidence of style is further confirmed by the consideration that as all these kings reigned on the south side of the Paropamisus, they cannot be assigned to an earlier period than that of the Indian conquests of Demetrius.

This new light is of the utmost importance in the classification of the earlier Greek kings of India: it entirely destroys an order which was full of difficulties, and puts in its place one which is thoroughly intelligible and satisfactory.

The coins of the jounger Euthydemus are certainly subsequent to those of Demetrius, whose types they borrow. There can, therefore, be no reasonable doubt that this king was either the younger son of Euthydemus $I$., or else the son of Demetrius and grandson of Euthydemus I. As the coins of the younger Euthydemus are not by most writers distinguished from those of the elder, it is not possible to ascertain their find-spots, or to determine the locality of his reign; its date would seem to be about b.c. 170. From the rarity of his coins it may be judged that his reign was soon brought to an end.

Pantaleon and Agathocles strike with almost identical types. They both adopt the metal nickel* for their coins, and they alone use in their legends the square Indian alphabet. They seem, therefore, to have been closely connected, either brothers, or father and son. Coins of both are found in the Kabul Valley and the western Panjab, and those of Agathocles as far south as Kandahar. Pantaleon seems from his portrait to have been the elder of the two, and the rarity of his coins shows his reign to have been ephemeral. Agathocles seems to have ruled more widely and longer, and he has

[^7]left us in some of his coins valuable materials for the determination of points in his history.

Of the greatest importance is a series of coins,* which indeed we

Medals struck by
Agathocles and Antimachne. may rather term medals, of the weight of Attic tetradrachms, issued by Agathocles in commemoration of his predecessors in the Greek rule of Bactria. These medals reproduce alike the portraits of these predecessors, and, what is still more unusual, their coin-types, so that only by their style and their inscriptions do they differ from the ordinary coins of those monarchs. The inscriptions run thus :-
AへEEANAPOY TOY ФINIחПOY BAEINEYONTOE АГА®OK^EOYミ $\triangle I K A I O Y$
ANTIOXOY NIKATOPOE EYOY $\triangle H M O Y$ OEOY

To these we must add the parallel coin of King Antimachus: $\Delta I O \Delta O T O Y \Sigma \Omega T H P O \Sigma$

## BAEIAEYONTOE OEOY ANTIMAXOY

I have elsewhere $\dagger$ discussed these medals, the true character of which v. Sallet was the first to establish. They prove that Pantaleon and Agathocles, like the younger Euthydemus, belonged to the faction of Euthydemus I. and Demetrius, and were presumably opposed to Eucratides. Agathocles traces his political pedigree through Eathydemus I., Diodotus, and an Antiochus, $\ddagger$ to

* Pl. iv. 1, 3, xxx. 5, 6.
$\dagger$ Num. Chron. 1881, p. 184.
$\ddagger I_{t}$ is disputed which of the three first Antiochi of Syria is the Antiochus Nicator of these coins. None of them seems really to have borne the title: the first was Soter, the second Theos, the third Megas. In favour of Antiochus I., it may be urged that he was the only Antiochus who held undisputed sway in Bactria, and might well be regarded by the Eastern Greeks as full successor of Alexander the Great; also his father Seleucus was called Nicator. In favour of Antiochus II., we have the strong argument that the type of the seated Herakles which is repeated on the Bactrian coin is copied from coins of Syria given by

Alexander the Great himself. Antimachus claims Diodotus as his predecessor. These facts seem to suggest, what is by no means improbable in itself, that Euthydemus II., Pantaleon, and Agathocles were all sons of Demetrius. And possibly, though this is more speculative, Antimachus, as to whose connexions we have no information, was the representative by descent or otherwise of the house of Diodotus.

The types of Antimachus' coins add one more to the few known

> Types of facts of Greek-Indian history. They are, on the Antimachns. silver coins, Poseidon holding trident and palm; and on the bronze, Victory standing on a ship. There is no mistaking the meaning of these types, which clearly allude to a naval victory won by the king. It might seem at first sight that this victory must have been won on the open sea. But Antimachus' rule never extended to the sea: his coins are found both on the north and the south of the Caucasus, but never south of the Panjab. We must therefore suppose that the naval victory was won on the Indus, or one of its great tributaries; and, indeed, it may easily be understood that the Greeks would place so large a river as the Indus under the sway of Poseidon.

Eucratides was succeeded by his son Heliocles. The coins of this Heliocles : two king are found mostly in Bactria, but also in the classes of coins. Kabul Valley. He is, as Cunningham remarks, the last king who struck to the north of the Indian Caucasus. We may therefore be almost sure that in his reign the nomadic tribes conquered the whole country as far south as the Bamian Pass. The silver coins of Heliocles fall into two classes. The first class consists of coins of the Attic standard of weight, bearing Greek general consent to Antiochus II. In favour of Antiochus III., the only argument is a passage of Malala (p. 261), where the term Nicator seems to be applied to this king. But this passage is deprived of all weight by the numerous mistakes which it contains. The balance of evidence is greatly in favour of Antiochus I. or II.
legends only. The second class consists of coins of a different weight, which I call the Persian,* which bear bilingual inscriptions and a different portrait of the king. The theory is obvious that the first class was issued by the king while he ruled in Bactria, and the second class at a later period, when he was king only of a corner of India. And it is greatly in favour of this view that the coins of the Bactrian class were largely copied by the barbarous tribes of central Asia, just as the coins of Philip and Alexander were by the Gauls who invaded Macedon about b.c. 290, while those of the Indian class are closely like coins of subsequent Greek kings of the Kabul Valley and India.
Down to the reign of Heliocles, which must be assigned to about
Suecessors of B.c. 160-120, we are able to trace with certainty, Heliocles. or little less than certainty, the order of succession of the Greek kings of India. But we now arrive on the verge of a period of uncertainty, where the data are very scanty. In fact, our task would become almost hopeless, were it not that the annals of

Principal information from Chinese sources. China preserve a general outline of the history of Bactria and India in the account which they give of the wanderings of the nomad nations on the western borders of China, during the second and first centuries b.c. To identify the names of kings and of places as recorded by the Chinese with those which we find on the coins is no easy task, but it is a task which has been attempted, and with some measure of success in the opinion of those best qualified to judge.

The most recent authority who has examined the Chinese evidence Chinese account as to the migrations of the Yueh-chi, M. E. Specht, $\dagger$ of the Yue-chi. 201 and 165 b.c. by the Huns, and fled westward, subjugating the Ta-hia of Bactria, and fixing their seat to the north of the Oxus,

[^8]where a Chinese ambassador found them in 126 b.c. After that visit they captured Lan-chi, the capital of the Ta-hia. A hundred years later, Khiu-tsiu-kio [Kadphises I.], ruler of the Kushans, one of the Yueh-chi tribes, conquered all the other tribes, invaded the kingdom of the Arsacidae,* seized Kabul and Ki-pin [Cophene], and formed a great kingdom. His son conquered India, and the empire thus founded lasted from the middle of the first to the end of the fourth century.

Who the Ta-hia may be is not clear: they have been identified with the Scythian tribe of the Dahae, but the Chinese description of them-" each town was governed by its magistrate, the population was weak and feared war,"-would not apply to any Scythic race, but would very well apply to the native Bactrians under Greek dominion; and the date at which the Greeks were driven across the Paropamisus, in the reign of Heliocles, would fall not far from в.c. 126.

In the Kabul Valley the Hellenic race held out for a century later, until Kadphises I. led the united tribes of Yueh-chi against them, and, after vanquishing them, ruled the country, at first in conjunction with the last king, Hermaeus, and finally in his place.
The Chinese authorities thus give us two dates of the utmost value for the reconstruction of the history of India and Bactria: the nomad tribes conquered Bactria (Heliocles) about b.c. 125, and India (Hermaens) about b.c. 25. These dates both suit the numismatic evidence very well. Gen. Cunningham gives Hermaeus to a far earlier period than b.c. 25 , assigning him indeed to so early a time as $138-120$. But not only does this conflict with historical records, but it is also in collision with numismatic testimony. For Hermaens was, as all writers agree, the last of the

[^9]Greek kings of Kabul. We are therefore obliged to place between Heliocles and him the reigns of all the twenty Greek kings whose coins have come down to us. To cramp all these reigns into the space of thirty years, b.c. $160-130$, is an unreasonable proceeding. Moreover the forms of letters on some of the coins, those of Zoilus, Nicias, and Hermaeus, entirely preclude us from assigning them to so early a period as b.c. 130 ; they must be quite a century later.

The Chinese writers also authorize the supposition that the Scythian race which wrought the ruin of the Greeks was that of the Yueh-chi, who have been identified with the Tochari of Strabc. And the coins, in this confirming Chinese testimony, show that the tribe of Yueh-chi to which Kadphises belonged was the tribe of Kushan, already mentioned on the last page.

This knowledge is valuable; but it leaves us in ignorance on many points. We are still unaware to what tribes belonged the barbarous rulers of India in this age who did not come in with Kadphises. Maues, Azes, and their successors, who established a kingdom in India, as we shall hereafter see, before the days of Hermaeus, do not appear to have been. Yueh-chi; and we are quite in doubt as to the connexions of Gondophares and other rulers.

Before proceeding to speak more in detail of the various groups of kings, we will set forth in the form of a chart the general outlines of our historical and geographical knowledge in regard to them :-

CHART TO SHOW EXTENT OF DOMINIONS AND DATES OF GREEK AND SCYTHIC KINGS.


Leaving out of account the predecessors of Heliocles, we know. already of upwards of twenty kings and of two

> Greek Successors of Heliocles;arrangement. queens who ruled in the Kabul Valley and the Panjab after about b.c. 160, and before the IndoScythic conquest of those regions. The orderly arrangement of these rulers is a matter of the utmost difficulty and even of impossibility. The classification of General Cunningham is based on indications so slight that it cannot resist serious criticism : and indeed its validity depends in a great degree on his arrangement of the early kings, which must now be given up in consequence of the readjustment of Pantaleon and Agathocles. Von Sallet so entirely despairs of any reasonable arrangement that he adopts one which is merely alphabetical. All that hạs been attempted in the present catalogue is to group the kings roughly in something like chronological order, keeping similar types of coin as far as possible together. By means of the Index any king can easily be found, and that is the chief necessity.
It will however be well to set forth briefly what certain data we Chronological possess for the chronological and geographical asdata. signment of the kings. We will begin with the chronological.

The only one of these later kings who strikes money on the

> Date of Antialcidas and Lysias. Attic standard is Antialcidas, who must therefore be either a contemporary or an immediate successor of Heliocles. And as Antialcidas and Lysias strike some coins in common they also must be contemporaries. A common type of Antialcidas is the pilei of the Dioscuri, which seems to connect him with Eucratides; his portrait also resembles that of Heliocles: he would seem therefore not improbably to belong to the Eucratidian dynasty. The connexion of Lysias is obscure.

There are also a few restrikings which help us in the assign-

Evidence of ment of dates to some of the Greek kings of India. restrikinge. Heliocles restrikes some of the coins of Strato I,* and the name and types of Eucratides are stamped on a piece of Antialcidas, $\dagger$ as well as on some coins which I have assigned to Apollodotus $I ; \ddagger$ but it has been doubted whether these coins of Eucratides were really issued during his lifetime.

Any attempt finally to arrange the kings in dynastic lists by means

## Types and

 legends of coins offer few indications. of the types and legends which they use is destined to failure. The kings did not inherit these things, but adopted them according to fancy or convenience. One or two instances will be sufficient toestablish this. That Heliocles was son and successor of Eucratides is perhaps the most certain fact in Bactrian history. Yet he does
 wear the same helmet, nor use the same types. In the two last respects Demetrius differs from his father Euthydemus. On the other hand, Diodotus, who revolted agaiust Antiochus II., retained the types of the Syrian king. These instances are sufficient to prove that identity of types between two kings is no proof of their relation to one another, nor is divergence of types any proof that they were not related. Still less can we draw any conclusions from the form of a helmet or the adoption of a title.

Perhaps the most suggestive approximation of types is that which appears when we compare the rare coins of Agathocleia, wife of Strato, with those of Euthydemus. They bear on the reverse the same type, Herakles seated, which is not usual in the Bactrian series. It is almost certain that Agathocleia must have been a king's daughter and heiress ; otherwise, as we know from the coins
$*$ Strato also restrikes coins of Heliocles.

+ Sallet, p. 298.
$\pm$ Cunningham, in Num. Chron. 1869, p. 226.
of Greek kings, her name would scarcely have appeared on the coin. That she was descended from Euthydemus is therefore very likely. We have already seen that king Agathocles was probably son of Euthydemus; Agathocleia may well have been his grand-daughter, or otherwise related to him. But in this kind of argument there are obviously the greatest risks; and we will attempt it in no second instance.

A large find of coins of the kings from Heliocles to Hermaeus

> Evidence of Sonipat find. was discovered some years ago at Sonipat;* and no less than 703 specimens have been weighed by Gen. Cunningham, who has acutely suggested that the order of the reigns may be gathered by a consideration of the amount of weight lost in circulation by the coins of different kings, those kings whose coins are most worn being naturally supposed to be the earliest. The loss is as follows:-

Heliocles, $5 \cdot 43 \mathrm{gr}$.
Apollodotus, 4.57 gr .
Strato, $4 \cdot 56$ gr.
Antimachns II., $4 \cdot 48 \mathrm{gr}$.
Antialcidas, $4 \cdot 10 \mathrm{gr}$.

Philoxenus, $3 \cdot 77$ gr.
Menander, 3.72 gr .
Diomedes, $3 \cdot 39$ gr.
Amyntas, $3 \cdot 30 \mathrm{gr}$.
Hermaeus, $3 \cdot 20 \mathrm{gr}$.

Lysias, 3.73 gr .
In this calculation it is assumed that the normal standard for hemidrachms is 37 grains, and that all kings minted up to that standard. This is, of course, not certain; nevertheless, the results of the test so nearly agree with the testimony of style, that we can scarcely be wrong in regarding the above order as approximately correct ; only Antialcidas and Lysias should not be placed so late.

Among all these kings, two only, Apollodotus and Menander, are
Menander. known to us from other sources. Menander is identified with the Milinda of the Buddhist work

[^10]"Milinda-praṣna," which records not only that he was born at the sul-Caucasian Alexandria, but that he was a just and powerful ruler, and a convert to the Buddhist religion. Strabo* says that he was reported to have crossed the river Hypanis eastward and penetrated as far as the Isamus, but as we are ignorant where the Isamus was, this does not greatly add to our knowledge. Plutarch $\dagger$ records that as a ruler he was noted for justice; and that when he died many cities were anxious to possess his ashes-a curious tale, which is considered by Prinsep to indicate a Buddhist source. The extraordinary abundance and wide distribution of his silver coins is well known. They were current, with those of Apollodotus, at Barygaza, many years after his death, $\ddagger$ and are still abundantly found over a wide region, including Kabul, Jalalabad, Peshawar, Mathnra, and Rampur. They are not brought from Kandahar or Seistan. "From this evidence," says Cunningham,§ " it is certain that Menander could not have possessed any part of Arachosia or Drangiana, and that his dominions to the west of the Indus must have been confined to the Kabul Valley and Eastern Afghanistan.'’

The coins which bear the name of Apollodotus fall into two

## Apollodotas.

 classes: these are distinguished in the Catalogue.The second class are of later and poorer style; and on them the king usually bears the title of Philopator. General Cunningham says || that the Philopator coins are found only in the Panjab and N.-W. India, while the others are found over a much wider area, including the "Upper Kabul Valley in the north, Kandahar and Roh in the west and east, and Sindh in the south." The evidence, on the whole, indicates that there were two kings of the name of Apollodotus, of whom the later, Philopator, was

[^11]colleague of his father, the earlier, and his successor in some part of his dominions. And this probability will be raised almost to a certainty if we suppose that the restriking of Apollodotus' coins with the name of Eucratides took place in the life-time of the latter; since the coins which bear the legend Philopator cannot be brought within a considerable distance of the reign of Eucratides.

We have thus but slight indications, beside those of art and

## Geographical

data; find-spots, and monograms. fabric, to help us in determining the dates of the kings from Heliocles to Hermaeus. Nor have we safer data for their geographical assignment. The find-spots of their coins have never been recorded with completeness or accuracy. And the monograms which have been supposed to contain the names of mints have not been satisfactorily read, in spite of the diligent efforts of General Cunningham, whose want of success* in the matter seems to prove chat success is not possible, at least in the present state of knowledge on the subject. And the details of the types adopted by various kings help us no more in determining the locality of their rule than in assigning their line of descent.

We can, however, make a few rough divisions of territory. Heliocles and his predecessors minted, as we have seen, in Bactria, his successors only on the south of the Indian Caucasus. And further, it would seem that the Panjab and the Kabul Valley were frequently in different hands. Thus the coins of Archebius and Amyntas seem to be found in Kabul, and not to the east of the Indus; and those of Hermaeus are far commoner in the same district than in the Panjab. On the other hand, the coins of kings Philoxenus, Strato, and

[^12]Hippostratus are chielly found to the east of Jalalabad. A more exact statement could only be made after many years' study on the spot.

The recorded find-spots of coins are however sufficient to give us an idea of the extent of the Greek kingdom in India. Cunningham states that coins of Apollodotus are found as far south as Kandahar and Sindh, and those of Menander as far east as Mathura on the Jamna. And there appear to be proofs in Sanskrit literature* that a Greek ruler (perhaps Menander) besieged Ayodhya and Pātali-putra (Oudh and Patna). But these expansions were temporary, and there is no doubt that the only districts which were really Hellenized were the Kabul Valley and the western Panjab.

Coins of Antialcidas, Apollodotus, Menander, Lysias, Antimachus II., Diomedes, Archebius, and Hermaeus, were found by Masson $\dagger$ in the course of a few years at Beghram ; and since his time coins of Epander, Dionysius, Zoilus, Amyntas, and other kings have been found in the same region, if not on the same site. The kings mentioned, and probably others of Greek race, must all have reigned in the Kabul Valley.

With the Greek kings we have placed one of Indian name, Ranjabala, whose coins resemble those of Strato, and show him to have been nearly contemporary with that king. He may have been a satrap of Strato, who asserted his independence. His coins have been found in the eastern Panjab and at Mathura $\ddagger$ in company with some of Ștrato.

## * Cunningham, in Num. Chron. 1870, p. 224.

$\dagger$ See his important list of coins found at Beghram, in the Journ. As. Soc. Bengal, 1836, p. 537.
$\ddagger$ Cunningham, J. A.S.B. 1854, p. 691. In this paper it is suggested that Ranjabala may be identical with Rājapāla, a king of the lunar race of Dehli, and that Zeionises may be Jīvana Rāja of the same dynasty. The reasons against these identifications are, however, very strong.

The barbarous kings who make their appearance in India after the destruction of the Greek kingdoms present even greater difficulties of arrangement than do the Greek kings themselves. Between the eastern expedition of Difficulties of Antiochus III., in B.c. 208, and the era of Kanerkes, Chronology. which may be taken as fixed* to a.D. 78, there is no absolutely fixed point, and we are reduced to arguments of mere probability.

Of all the coins of the barbarous rulers, those of Manes are
Maues. the earliest in style. Von Sallet remarks that the copper coins of this king are like those of Demetrius and Apollodotus, and belong to a period not much later than that of those kings. In the forms of Greek letters, and the style of art, his coins are superior not only to those of Hermaeus, but also to those of kings such as Zoilus and Nicias. It is impossible to place King Manes at a later date than the middle of the first century b.c. And it is an interesting fact, vouched for by Cunningham, that his coins are found in the Panjab only, especially the N.W. part of it, and not in Afghanistan. We must suppose that he ruled over some Scythic invaders, who had entered India not through the Kabul Valley, but through Kashmir or Nepal, while the country to the west of Peshawar was ruled by contemporary Greek kings. At present the Passes between Kashmir and Yarkand are but little used, but it is stated that the Karakoram Pass is open all the year round; and the trade between India and Yarkand by that route has of late years greatly increased. And we know that in old times Kashgar was far more thickly peopled than at present. It is also a matter of history that Nepal has more than once been invaded by Chinese armies. It would appear likely that at the time of the conquest of Bactria by the

[^13]Yueh-chi, as to which something has been said already, about B.c. 130, some tribe of that race or some other Scythic horde passed southward through Kashmir or Nepal; and after imbibing something of Greek civilization, and learning the Greek language, succeeded during the decline of the Greek power after Menander in establishing a kingdom to the east of the Indus, of which Maues was the first ruler.

Azes was, according to general consent, the successor of Maues.

## Azes, Azilises.

 Von Sallet suggests that he was his son, and reads on coins of Azes, with hesitation, the legend YMAVロ, which may stand for viòs Maiov. Azes was certainly of later date than Maues, as the forms of his inscriptions and the art of his coins testify. His money also is not found to the west of Jalalabad; it is therefore likely that he did not greatly extend the dominions of Maues, though the extraordinary number of his coins testifies to his wealth and power. Azes strikes in conjunction with Aspavarma, Azilises, Vonones, and Spalinises, and Vonones in conjunction with Spalahores and Spalagadames. This shows that Azes, Azilises, Vonones, and the Spalirises group, of whom we shall speak presently, all belong to one time and to a single group of kings. But Vonones and Spalirises seem, from the find-spots of their coins, certainly to have reigned in Kabul: they may have ruled there and been tributary to Azes; but how they coexisted with the latest Greek kings and the invaders from Bactria, the kings of the Kadphises line, we are unable to determine.Of the relations between themselves of the kings composing this

Vonones, Spalirises, \&c. group the legends of their coins enable us to judge in some measure :-
 Strategos Aspavarma.
入ou 'A ${ }^{\prime}$ iníoov.*
 $\Sigma \pi a \lambda a o ́ \rho o v$.
 $\Sigma_{\pi} \pi{ }^{2} a \gamma a \delta a ́ \mu o v$.
 $\Sigma \pi a \lambda \iota \rho i \sigma o v$.

 इтaдıрібov.
 סıкаiov $\sum_{\pi} \pi а \lambda a \gamma a \delta a^{\prime} \mu о v$.
9. Vonones and Azes (undescribed coin, said to be in Gen. Cunningham's possession).

The evidence afforded by these legends is valuable, but not so decisive as it might at first sight appear, and capable of being variously construed. Some points, however, are clear. Four kings of the set assume the title King of Kings (Azes, Azilises, Vonones and Spalirises), but they do not do so in succession; Azes seems content to share the title in a friendly way with Azilises and Spalirises, at any rate. $\dagger$ Spalirises was brother of a king, but of which king does not appear. Spalahores is also brother of a king, and he and his son Spalagadames strike in conjunction with Vonones. Spalyris is another brother, and at one time Spalagadames strikes in conjunction with him. As close alliances of this kind scarcely occurred in antiquity, except between members of one family, we may regard it

[^14]as probable, if not certain, that all the kings of the group were related one to the other. In that case it is likely that Azilises, Vonones, Spalirises, Spalahores, and Spalyris were all sons of Azes, and Spalagadames his grandson. Aspavarma was a mere general or satrap of Azes-perhaps, as his name seems to show, of Hindu descent. The kingdom of Maues lasted in the hands of these rulers from before the middle of the first century b.c. at least until A.D. 20 or 30 , spreading with time over a larger and larger area. It must have been put down by the growing power of the kings of the Kushan tribe, perhaps by Kadphises II.

We have coins of several other kings in India of the same period,

Kings with Parthian names. who do not appear to have been connected with either the dynasty of Kadphises or that of Azes. The only tie which connects them together is the Parthian character of their names, and in most cases of their coin-types. Some both in name and portrait, Pacores and Arsaces, for instance, are thoroughly Parthian. It is to be observed that under Mithradates and his warlike successors the Parthians had extended their empire into Bactria, and driven back the invading Scythians. Some scions of the royal Arsacid stock, or mere. Parthian noblemen, may have gained a footing in India and maintained themselves in opposition to the Scythic kings.

The most important king of the Parthian class is Gondophares,
Gondophares and Abdagases. himself the nephew of Gondophares. The names of these rulers fortunately occur in the legends dating from the third century A.d., which record the visit of S. Thomas to India,* con-

[^15]taining indeed much that is untrustworthy, but also a basis of fact. S. Thomas is represented as converting Gundaphorus, his brother Gad, possibly the Orthagnes mentioned below, and his sister's son Labdanes, which' last name seems to be a corruption of Abdagases. Where these rulers lived is not very clear. The legend, however, may furnish some ground for assigning them to the period of S. Thomas, that is, the first century a.D. More trustworthy than an early Christian legend should be the insciription at Takht-i-Bahi, if it could be read with certainty. Professor Dowson renders thus: * "In the 26th year of the great king Gondophares, on the third day of the month Vaisīkha, (year) one hundred of the Samvatsara." Unfortunately, doubt hangs alike over the reading of name and date, nor can the era be identified, for Samvatsara means merely era. All that we can be sure of is that Gondophares did not reign in the hundredth year of the Saka era, by which Kanerkes and his successors (see p. li) date their inscriptions; for the style of his coins forbids us to place them as late as a.d. 178. If the name of the king be rightly read it will prove that Gondophares reigned in the neighbourhood of Peshawar ; but even this is not certain.

A silver coin of Gondophares discovered by v. Sallet, and figured in our plate xxxiii. 2, may perhaps give us a clue to his date. It is of the types of Arsacid silver coins, and especially reminds us of a coin of Mithradates II. (B.c. 90 or 80), which has similar types on both sides $\dagger$ on one the head of the king; on the other the king seated, holding an eagle, crowned by a City, who stands behind him. And this last mentioned type seems not to recur in the Arsacid coinage, so that it would seem likely that Gondophares actually copied it from the coinage of Mithradates. In the inscription of Gondophares' coin we find the epithet aüroкратஸ́, which is found on the money of only two

[^16]Arsacid kings-Sinatroces, b.c. 76 to 69, and Phraates IV., a.d. 8-l1. This particular coin of Gondophares then would seem to have been struck not later than the middle of the first century A.D. The period mentioned would suit the other coins of Gondophares.

That Orthagnes was a brother of Gondophares rests on a reading

Orthagnes, Arsaces, Zeionises. of his coins proposed by Gen. Cunningham. The supposition has nothing improbable in it; the type of Victory which appears on his coins being also found on those of Gondophares and Abdagases. If it be well founded, it will clearly prove the Parthian origin of the dynasty of Gondophares, Orthagnes connecting him with other Indian kings of Parthian type such as Pacores,* Arsaces $\theta$ és and Arsaces סíkalos. All these rulers must have been contemporary with the great time of the Parthian empire. To the same period will be assigned also Zeionises, who on his coins calls himself by the modest title of Satrap.

With regard to the seat of the power of these Indo-Parthian

$$
\begin{aligned}
& \text { Dominions } \\
& \text { of these kings, }
\end{aligned}
$$ kings we have a little information. The coins of Gondophares were found in plenty at Beghram by Masson, and his small rude silver coins in the Panjab; while those of Orthagnes are said by Gen. Cunningham to come from Seistan and Kandahar, and those of Abdagases (with legend Sasasa) from Western Panjab. These facts seem to point to an extensive dominion, and confirm the testimony of the anonymous Egyptian merchant, $\dagger$ who informs us of the existence of a Parthian realm in the neighbourhood of the mouth of the Indus, in the reign of Vespasian.

The silver coins of Sanabares, of which there is a specimen in the

[^17]Sanabares.
British Museum (pl. xxiii. 10), have been given by v. Sallet to about the year A.D. 80, and have been compared as contemporary with money of the Arsacid king Vologeses III.* of that period. But the portrait of Sanabares, though it resembles that of Vologeses, is still more like that of Mithradates II., the helmet having cheek-pieces like the helmet of the latter monarch, while the style of work is very saperior to anything known in Parthia in the days of Vologeses. Mr. Thomas had read on the Musenm specimen the date ГIT, which he interpreted as implying the 313th year of the Seleucid, and first of the Christian era. But this reading is now disputed, $\dagger$ and cannot be insisted on. But if it is given up we should be still inclined to place Sanabares at about the beginning of the Christian era. Sanabares does not use Indian characters in his legends, but either Greek or Pehlvi, and four of the five coins of his in the British Museum came from Persia. It is therefore likely that this king ruled exclusively or principally to the north of the Indian Caucasus.

On referring to the coins of the Arsacidae, we find that in that Epigraphy series the square a and [ come in some twenty years of these kings.
B.c. On the other hand, the square $\amalg \ddagger$ does not take the place of $\Omega$ until 8 A.d. It is quite in keeping with these facts that Maues uses round letters only; Azes, Azilises, Spalirises and their contemporaries, use the square $\mathbf{\square}$ with $\boldsymbol{\Omega}$; Gondophares and Abdagases use the forms $\square$ and $\boldsymbol{\omega}$. We have thus a series of kings covering the period b.c. 50 to a.d. 50. The date of Pacores

[^18]and Arsaces is not easy to fix, but must fall during this period. It is, however, noteworthy, as von Sallet points out, that the coin of Arsaces $\theta$ єòs bears precisely the same types as one of Maues.

The nameless king, who calls himself merely Soter Megas,
The nameless naturally gives us no clue in his inscription to king. decide his affinities. Some of his coins are in type and style closely like those of Abdagases; and as he also makes use of the form $\boldsymbol{\omega}$, he must be of about the same period as that king, A.D. 30-50. His coins are fouud in great numbers in the Kabul Valley. He may possibly have been a member of the Kadphises dynasty.

After the kings of Parthian character we must mention some Heralis and the others whose types are not dissimilar, yet who Sakas. appear to be of Scythian race. Among these the most important is Heraüs, whose remarkable coin (pl. xxiv. 7) throws some light over the history of this troubled time. Of late the reading of the legend Tupayıồvтos ' $H$ рáov इ'áка коь $\rho a ́ \nu o u$ has been disputed, but without solid reason, except as regards the last word. This may with equal exactness and probability be read roppávou; but even if we do thus read it, the presence of the tupav oovzros, which is quite undisputed, proves that unusual Greek words may beexpected at this time, and suggests that noppávou may be a corruption of not $\alpha a{ }^{\prime} \nu o v$. The reading HPAOY is allowed by Mr. Thomas; but he now disputes the important word Saka, reading: instead of it the unintelligible words $\Sigma$ AN AB.* But we must, point out that on the Brit. Mus. coin the third letter of the word is. not formed like the N's, of which there are four in the inscription, but like a retrograde $\mathbf{K}$, which is on late Parthian and Bactrian coins an. ordinary shape of K: see pls. xxv, vi. passim. Thus there seems to.

[^19]be at present no sufficient reason for doubting that Heraüs calls himself a Saka king; and we thus gain a confirmation of the statement of ancient historians, that that race was prominent in the conquest of India from the Greeks. But Heraüs probably ruled, like other kings of the class, to the north of the Caucasus.

Similar in type of head to Heraüs is Hyrcodes, one of whose ordinary Hyroodes and types, that of the half-horse, is taken from silver others. coins of the early Antiochi of Syria, which circulated in Bactria. Wilson states that most of his coins come from the Bactrian side of the Caucasus; Mr. Thomas,* that they belong' to Kerman. At page 119 of the Catalogue will be found a few coins of the same class which seem to bear the names of other kings; but these legends may be mere blundered attempts to produce some more intelligible name.

Finally, we have to speak of a well-defined group of kings which Kadphises I. takes its rise with that Kozulo Kadphises who and suceessors. appears on coins as colleague and successor of Hermaeus. His date must be the last quarter of the first century b.c.

We do not know to what branch of the widely extended race of Sakas, or nomads, Maues and his successors belonged. But we have reason to think that the group at present discussed were kings of the Yueh-chi, who are identified by Cunningham with the Tochari, and that they belonged to the Kushan branch of that tribe.

We have already seen how Kadphises led the Yueh-chi, about B.c. 25, southward across the Paropamisus and conquered Hermaeus, whom he reduced to a state of vassalage. Under his successors the dominions of the Yueh-chi went on increasing. Probably he was succeeded by the king who bears the very similar name of Kozola

[^20]Kadaphes, who on his money calls hirnself the ruler of the Kusbans. The portrait of this ruler on the coins bears so strong a resemblauce

Kadaphes, to that of Augustus that it seems all but certain that Kadphises II. he must have reigned at the very beginning of the Christian era. That he succeeded the first Kadphises is very probable, and it is equally probable that he was succeeded by the second, who on his coins calls himself Ooemo Kadphises, and whose reign brings us down to the accessiou of Kanerkes in a.d. 78. We thus have a succession of princes of the same or nearly the same name extending over 100 years, and it is hard to believe that they do not represent a dynasty which reigned in the Kabul Valley.

We have on a copper-plate from Manikyala (Taxila) a record, whereiu

> Inscription a satrap called Liako Kusuluko dates from the 78th from Taxila. year of the great king Moga. It seems not unlikely that the satrap in question may be Kozola Kadaphes, and perhaps still more probable that the great king Moga is Maues. Kadaphes, who probably reigned at the very beginning of the Christian era, may well be placed seventy-eight years later than the accession of Maues, which must be placed not so late as the middle of the first century b.c. But of course it is all but impossible that Maues can have himself reigued seventy-eight years. 'The refereuce must be not to the year of his reign, but to au era established by him.

The evidence derived from the style and epigraphy of coins seems
spread of to show that Kadphises I. and Kadaphes ruled but

## Yueh-chi in

 India.a part of N.-W. India. When Kadphises came iu as an invader from the north, he found Hermaeus ruling in the Kabul Valley, and reduced him to a state of dependence. At the same time Azes was probably ruler of the Panjab; and perhaps some of the later Greek rulers, such as Hippostratus, still held rule on the lower lndus. When Hermaeus died no Greek succeeded him, but Kadphises occupied his place. Kadaphes, or the nameless
king, must have succeeded Kadphises: their contemporaries must have been Azilises, Spalirises and Gondophares. That the coins of

> They become dominant under Kadphises II. Gondophares and of the nameless king are alike found in abundance at Beghram, while those of Kadaphes are not abundant, seems to show that the Yueh-chi did not rapidly extend their dominion in India, but met at first with formidable rivals in the descendants of Azes. Only on the accession of the second Kadphises did the power of the invaders become altogether predominant. It appears that under him and his successors it was supreme in all N.-W. India; and Greeks, Parthians, and the race of Azes alike distappear from history as reflected in the coins.

Kadphises II., Ooemo Kadphises, was a wealthy monarch, and the

Successors of Kadphises II., Kanerkes and Hooerkes. founder of a powerful line of Scythic kings, as to whom inscriptions give us some information. His date is about the middle of the first century a.d. His successors are the kings called on their coins Kanerkes and Hooerkes, and in the records Kanishka and Huvishkà. Their rule comprised the whole of N.-W. India and the Kabul Valley. The date of these kings was a matter of nncertainty until the

> Their date. brilliant conjecture of Mr. Fergusson* as to the origin and use of the Şaka era settled the matter. Mr. Fergusson's theory is accepted by most Sanskrit scholars, and the numismatic evidence in its favour is so overwhelming, that the numismatist caunot hesitate to join them ; in fact, $\nabla$. Sallet had before the publication of Mr. Fergusson's paper assigned Kanerkes to the same period into which he falls on the theory proposed in that paper, and that on numismatic evidence only. The new theory is that the Saka era starts from the date not of the destruction of the Sakas,

[^21]but of the establishment of their empire in India under Kanerkes.* It is fixed to a.d. 78. The dates at Mathura and elsewhere are said to be as follows (Thomas: Ancient Indian Weights, p. 46, and Jainism, p. 10) : -

King.
Kanerkes,
Hooerkes,
Vasu Deva,

Saka Year.
$9,11,18,28$
$33,39,47,48,51$
44, 83, 87, 98

Year A.D.
87-106.
111-129.
122-176.

The evideuce of finds confirms this assignment of dates. In a tope at Ahin Posh near Jalalabad, Mr. Simpson found together the following gold coins:-
$\begin{array}{cll}10 \text { coins of Kanerkes, } & 6 \text { of Kadphises, } & 1 \text { of Hooerkes. } \\ 1 \text { of Domitian, } & 1 \text { of Trajan, } & 1 \text { of Sabina. }\end{array}$ The reigns of the Roman imperial persons cover the period A.D. 81-136; and this proves that the deposit cannot have been buried until about a.d. 130, $\dagger$ probably in the reign of Hooerkes.

It is true that in the Manikyala tope there were found with coins of Kanerkes some worn consular denarii which belong to the period before Augustus, $\ddagger$ but it is more than probable that these coins were not buried till a long time after their issue.

It seems to be universally allowed that the Kanerkes and Hooerkes of the coins are the Kanishka and Huvishka of inscriptions, and that these were successive kings of the Kabul Valley and the Panjab.

> Vasu Deva. But the Vasu Deva of the inscriptions, who is supposed to correspond to the Bazodeo of the coins, is a more mysterious personage. He overlaps in the dates Huvishka,

* Or, perhaps, Kadphises II. ; as it is Kadphises who begins the issue of InduSucthic gold coins : and Kanerkes' earliest date is the year 9.
$\dagger$ Sabina came to the throne in 128. The coin of her issne, now preserved in the British Museum, is not as stated by previous writers " much worn," but seems to have greatly suffered, whether in ancient or modern times, by being exposed to heat. The coin of Trajan is worn. Cf. J. R. A. Soc. 1880, p. 266.
$\ddagger$ Journ. As. Soc. Bengal, iii. p. 34.
and appears to have reigued for no less a period than fifty-four years. Indeed, if one inscription be rightly read, he sometimes dates from year 5 of the era, * which will give to his reign the impossible length of 94 years. Prof. Dowson therefore suggests that Vasu Deva may have been the name given by their Indian subjects to kings of the Kanerkes dynasty. In favour of this view it may be remarked that the words Vasu Deva occur in Sanskrit letters on coins of various periods and classes ; and the supposed Greek equivalent BAZODHO occurs only on Indo-Scythic coins of semi-barbarous fabric.

The coins of Vasu Deva are succeeded by a large variety of copies, some of fairly good style, others of barbarous work, neither class bearing intelligible legends. Some of these, in copper, were usually given to an inaginary king Ooer Kenorano, such being their legend. Von Sallet has, however, conjectured that as there are no gold coins with the legend Ooer Kenorano, and no copper bearing the legend Ooerke Korano, the copper coins above mentioued must have been struck by king Hooerkes. This conjecture is strongly confirmed by the discovery in the Museum series of coins $\dagger$ in all respects similar to those reading Ooer Kenorano but reading clearly Ooerke Korano. But in fact the difference between the two legends is almost evanescent, $\mathbf{N}$ in the one taking the place of $\mathbf{K}$ in the other; however, in the inscriptions of this class these two letters are coustantly confounded. $\ddagger$

The gold coins which repeat barbarously the legends and types of Vasu Deva become eventually of thin fabric and cup-like shape, like some of the issues of Byzantium of the ninth and subsequent centuries. But they must be earlier than that period, and are perhaps copied from the concave coins of the class struck at Persepolis during Parthian supremacy.

[^22]The whole class of Indo-Scythic gold coins appears as a most remarkable phenomenon amid the coins of India, especially as geld coins are entirely wanting in the Greek-Indian issues after the time of Eucratides. The line of descent of the new issue must be traced not through the gold money of Alexander, which perkaps still circulated in southern Asia, but through the Roman aurei which were first issued in abundance by Augastus, and which at the beginning of the Christian era made their way into India, where they have been found in conjunction with coins of Kadphises and Kanerkes. In weight the Iudo-Scythic coins nearly correspond to the Roman.

## II. Inscriptions.

The inscriptions on the coins contained in this volume are of the following kinds:-
(1) Greek language in Greek characters. On the coins of earlier Greek langaage. kings, from Diodotus to Demetrius, Greek legends only are employed. After that time we usually find Greek on one side of the coin only. It is, however, quite evident that the Greek letters and the Greek language were generally understood in northern India and in Kabul as late as the second century of our era. This fact, clearly established by the testimony of coins, confirms the otherwise not trustworthy testimony of Philostratus, who represents that Apollonius of Tyana, when he visited India, had no difficulty in making himself generally understood by speaking Greek. In the Hindu revival under the Guptas the Greek language was probably swept away with other traces of Greek culture. Notable is the use by some of the later rulers of poetical Greek words like коípavos, тирадvé $\omega \nu$ and $\dot{a} \nu i \kappa \eta t o s . ~$
(2) Indian language in native characters. These last are of two sorts. The square Ietters of the so-called Indian Pali are used by Pantaleon and Agathocles only; the
more cursive characters, called Arian Pali, are used by all the other kings down to the latest times. In the case of the edicts of Asoka, the Arian characters are used only in the Kabul Valley, and the Indian characters elsewhere; and this fact shows, what is proved in many other ways, how completely the Greek and Scythian powor in India centred in the Kabul Valley.
The language which I have called by the general name of Indian is a debased form of Sanskrit or Pali. To fix authoritatively the readings of words in this language is impossible except to a Pali scholar. I have therefore given, in nearly all cases, the readings of previous writers, unless they seemed to me to conflict with the clear testimony of the coins; in which case (a very rare one) I have ventured on innovation. In the cases where it was necessary to decide between various authorities, I have sometimes had the advantage of the advice of Mr. Cecil Bendall, who has kindly allowed me to profit by his wider knowledge of Sanskrit. Still more have I regarded any philological criticism of the forms presented by the coin-legends as lying ontside my task. Such criticism might well form a supplement to M. Senart's valuable papers on the language of the Assoka edicts in vols. xv. and xvi. of the Journal Asiatique, but in a numismatic work it would be altogether out of place. And this is clearly a task which could only be attempted with advantage by a highly-trained Sanskritist.

The system here adopted in transliteration of Pali inscriptions is the same as is used in other Museum Catalogues, and nearly identical with that used by Prof. M. Williams in his Lexicon and Grammar.
To the letters in which these inscriptions are written I have paid
Forms of closer attention, palæography being perhaps more Indian letters. nearly related to archæology than to philology. To determine their forms requires care and a practised eye rather than wide linguistic knowledge. I have drawn up a table of Arian Pali
letters used on the coins, after careful comparison of the authoritative tables drawn up by Gen. Cunuingham (see p. lxx). All the letters in the table have been cut upon types; so that printing in this alphabet will in future be comparatively easy. With the square or Indian Pali characters I have not concerned myself, as they occur on so few coins.
(3) Scythic language in Greek characters. These are the inscrip-

> Scythic language. tions on coins of the late kings of the Kanerkes group, such as PAO, NANO, KOZOVAO, KOPANO, and more especially the names of deities on the reverses. These words, so far as at present identified, are of non-Scythic origin, borrowed from the languages of India, Persia, and Greece, and only bearing the Scythian stamp in their termination 0 , and in modifications of the forms of words.

Lists of Greek, Scytbic and Indian words will be found in the Index of Inscriptions; and renderings of the last-mentioued in the table at p. lxxii.

## III.-Monograms.

In the field of coins of all periods is a prodigious number of monograms and detached letters, sometimes Greek and sometimes of the Arian Pali class. If these could be read and interpreted, there can be no doubt that they would afford us most valuable information. But they present the greatest difficulties.

Gen. Cunningham has weil remarked, in regard to some of tho
Difficulties Greek monograms, that their constant recurrence of interpretation. during successive reigns proves that they cannot deuote monetary magistrates, but must stand for mints. There is reason in this; but when the writer goes further, and tries to identify the varions mints which they respectively represent, we, like most students of these coins both in England and abroad, are unable to follow him. While therefore we must acknowledge the
possibility that many of the Greek monograms may stand for the names of mints, we must stop short at that point. Nor does there seem any probability that we shall advance further, until the findspots of Bactrian and Indian coins are far more exactly recorded than they have hitherto been. The monograms and letters of the Pali alphabet do not recur in the same way as the Greek, but vary far more; and it does not seem probable that they stand for mints. They may stand for the names of magistrates, for the date or number of the issue, or they may have been used for some other purpose which has not yet been guessed. Perhaps, in these circumstances, it may seem superfluous to record them, as has been done in this Catalogue; but it is impossible to be sure that valuable information will not some day be extracted from them.

## IV. Types.

The types which appear on the coins described in the present volume are most interesting from the point of view of art and mythology; but it is to be regretted that they furnish us with but little historical information. We bave already noted the futility of trying to determine the genealogy or the dominions of the Greek kings by means of the types of their coins; and the same holds true, in scarcely less degree, in regard to the kings of Scythic race. It is a remarkable fact that throughout the period of which we treat there seem to have been in N.-W. India artists capable of designing original types for coins, so that the necessity for a slavish copying of foreign coins, which gives valuable material to the historian, does not seem to have arisen.
In the types used by Greek kings we find great variety, and they
Types of open to us quite a new chapter of Greek art, Greek kings. affording fresh proof of the remarkable originality
of the artists of the Hellenistic age. In regard to their style, we may note two points :-(1) The extraordinary realism of their portraiture. The portraits of Demetrius (pl. ii. 9), of Antimachus (\%. 1), and of Eucratides ( $\mathbf{v} .7$ ), are among the most remarkable which have come down to us from antiquity, and the effect of them is heightened in each case by the introduction of a peculiar and strongly-characteristic head-dress, which is rendered with scrupulous exactness of detail. (2) The decidedly Praxitelean character of the full-length figures of deities on the reverses. The figures of Herakles (pl. ii. 9, iii. 3), of Zeus (iv. 4, vii. 2), of Poseidon (v. 1), of Apollo (v. 4, ix. 10), are all in their attitudes characteristic of the school of Praxiteles. The types of Greek deities which we find are sometimes more distinctive than the style in which they are rendered. Thus, on coins of Demetrius, Artemis is sometimes radiate (pl. iii. 1), on coins of Agathocles (iv. 4) Zeus bears in his hand the three-headed Hekate, Herakles crowns himself with a wreath, Pallas appears in short skirts, and many other such strange forms of Greek deities appear.

To search out the reasons of these variations of type, reasons to be found probably in many instances in the influence of local Indian or Persian legend or belief, would be a very attractive task, and not hopeless, considering the data furnished us by the legends of the gold Indo-Scythic coins, as to which we shall presently have to speak.

The earliest of the clearly Indian types to make its appearance is
Semi-Hellenie a dancing-girl, wearing long hanging earrings and types. oriental trousers, on the money of Pantaleon (iii. 9) and Agathocles (iv. 9). As we come to a later period, nonHellenic types, or types in which there is a non-Hellenic element, gradually make their way on the coins. On coins of Philoxenus (xiii. 9) and Telephus (xxxii. 7) we find a radiate figure of a sun-god
standing, holding a long sceptre. On those of Amyntas (xiv. 11) and Hermaeus (xv. 8) we find the head of a deity wearing Phrygian cap, whence issue rays. But when we reach the issues of King Maues (pls. xvi., xvii.), we find a wealth of most remarkable and original barbaro-Hellenic figures; a figure resembling Tyche (xvi. 3), holding in one hand a patera, in the other a wheel, who seems to be the original of the still more outlandish figure of Azes' coins (xviii. 10, 11) ; a radiate Artemis, with veil flying round her head (xvi. 4); a draped goddess, bearing a crescent on her head, and standing between two stars; and several others. Still more original is the type (xvi. 9), where a seated Zeus grasps in his extended hand, not, as usual, a Victory (vii. 9) or a thunderbolt (vii. 5), but a being who seems an impersonation of the thunderbolt, and stands in the midst of it; as well as the type (xvii. 2) where a nymph, perhaps a Maenad, stands grasping two stems of vine. Maues' successors, Azes and Azilises, use types of the same class. A careful consideration of these facts will convince us that by some means or other Maues and his race secured the services of artists who had been instructed by Greeks, but were not restricted by Greek traditions. In fact, in these coins we have the sole remaining relics of an interesting school of art, one of many which existed in Asia in the first century b.c., and which have passed away almost without leaving any memorial. It would further seem that kings, who were the patrons of art, and understood the Greek language, must have been considerably softened and refined by contact with civilized neighbours.

The first of Indian deities to claim a place on the coins is Șiva,
Hindu types. who seems to make his appearance on the coins of Gondophares (pl. xxii. 8, 9), though it must be confessed that this figure may with equal plausibility be called a Poseidon, for the characteristic marks of Șiva are absent. But on
coins of Kadphises II. the bull, which appears beside the deity, sufficiently proves him to be Siva; and on the money of Kanerkes and his successor he appears in more and more native form, fourarmed, and bearing the numerous symbols associated with him in local belief. It is probable that the goddess who appears on the coins of Azes as standing on a lotus, and holding a flower (xix. 5), is either Pārvatī, the dread wife of Ṣiva, or Lakshmī, the goddess of fortune: the supposed lion, which seems on the coin to lie under her left elbow, may be after all only a lump of oxide. These, and the dancer on the coins of Pantaleon and Agathocles, are the only strictly Hindu types to be found on coins before the time of the great Yueh-chi dynasty, when other deities come in, as will be seen by the list given below.

To speak of Parthian types on coins at all may seem a misnomer,

## Parthian types.

 since there are no original Parthian types in existence, if we except representations of the king himself: in these matters the Parthians were imitators of the Greeks. But there are, notwithstanding, certain types of deities, and a certain style of art, which we learn to associate with the coins of Parthia; and when we can trace these on coins issued in India, a presumption arises that the king who issued them was of Parthian stock. For example, the portraits of Parthian kings, bearded, and wearing the diadema, have quite a distinct aspect; and we find this aspect in the portraits of Gondophares, Pacores, Orthagnes, and Sanabares. The type which represents a City crowning the king, which occurs on the money of Phraates IV. and subsequent kings of Parthia, is used by Zeionises (pl. xxiii. 4); and Nike, who is continually present on Parthian coins, is quite a feature also on our pl. xxiii., which contains coins of the kings of this group. Indeed, some of their coins, such as xxiii. 10 and 11, are altogether of Parthian type.In view of their types, the gold coins of the conquering Yueh-chi

> Types on goid of Yueh-chi.
kings are of surpassing interest. The obverse presents us with a figure of the king clad in helmet and armour, which are closely like those borne by the first Arsaces of Parthia on his coins. The reverses are extremely varied, and present as with a multitude of types borrowed from several different mythologies. Had these coins been anepigraphous, their interpretation would have baffled all ingenuity ; but fortunately the names of the various deities represented are written beside them in Greek characters, only somewhat disguised by being crushed into Scythian forms. On these types two important papers have been published, one by Mr. Thomas* and one by Dr. Hoffmann. $\dagger$ Though the present writer does not pretend to the linguistic knowledge of either of these scholars, he ventures to discuss their results from the numismatic point of view and that of comparative archaeology.

On these gold coins the following types appear :-

## (a.) Greek and Semi-Greek Deities.

Inscriptions.
HAIOC CAAHNH
NANAIA

## Types.

Radiate sun-god, holds sceptre.
Male moon-deity, holds sceptre.
Female deity holding sceptre, which ends in the fore-part of a horse.

These types occur in the series of coins issued by king Kanerkes with Greek legends only. The names of the deities are given in Greek, not Scythic. Nevertheless, in the types there are clear signs of barbarism. The figure of Helios is identical with that on bilingual coins inscribed with the name of

[^23]Types.
Mioro, and the figure of Nanaia with that on the coins inscribed NANA; while the type of 'Salene' is borrowed from the coins inscribed MAO, and is male instead of female. Nanaia, though a deity of Persian origin,* was clearly regarded by the diecutter as Greek, perhaps as identical with Artemis, but there is much that is oriental in her figure.

Female deity holding sceptre, as above; over her forehead, crescent.

The PAO is evidently only a suffix. The crescent of course indicates a lunar deity. NANO and OKPO are combined on a coin published by ProkeschOsten. Arch. Zeit. 1849, pl. x. 8.

Herakles; holds club and apple.
Artemis clad in long chiton; holds bow and arrow.
The type is unmistakeable, but the legend is puzzling. Mr. Thomas reads it $\mathbf{Z} \in \mathbf{P O}$ ' $\mathrm{Ceres}^{\prime}$ (?), but that brings us no nearer to Artemis. I venture to suggest that the word MEIPO (see p. lxiii) is intended, for we find in other instances that inappropriate legend sometimes accompanying types which were, as we may conjecture, unintelligible to the die-cutter.

War-god, standing; holds spear and shield.
The word PAO, evidently meaning king or royal, may be detached from the legend. The remainder, PHOPO, cannot be with certainty explained, but it seems most likely that it is a mere twisting of the Greek APHE, and that the intention is to portray the Greek war-god. The type suits Ares perfectly.

[^24]Inscriptions.
PIOM

САРАПО
WPON [WPOH?]

Types.
Mr. Thomas interprets the legend 'Mâonh Bago,' a particular form of the Iranian moon-deity. Hoffmann recognizes the deity as Bahman (Manō Vohū).

MAO

MIIPO, MEIPO, $\}$ MIOPO, [ONIO]

Moon-god, holds sceptre, wreath, ankus, \&c.
Mao is a Zend name for the moon-god.
Radiate sun-god, holds sceptre, wreath, \&c.
[In one case the inscription accompanies a figure of Nanaia.]

The form MI®PO does not, so far as I kuow, occur. The deity intended seems therefore rather to be the Iranian sun-god Mihira, than his GraecoRoman counterpart Mithras.

## NANA OANINAA

OADO

## oP^AINo

 is very characteristic, and decidedly original.War-god; holds spear and sword.
The legend has been read OPAAГNO, and sup-
posed by Mr. Thomas to refer to Agni. Hoffmann
considers the deity to be the Persian war-god
posed by Mr. Thomas to refer to Agni. Hoffmann
considers the deity to be the Persian war-god Varhran, or Bahram.
ФАРРо
See above, under Greek deities.
Victory, holding wreath and sceptre.
The Zend word Vanañt stands for the star of victory (Hoffmann). Mr. Thomas considers the legend to refer to Anandates, a Persian deity mentioned by Strabo.* But he was a male deity, and of his character we know nothing.

Wind-god running.
"Zend, ' wind-god,' vätō" (Hoffmann). The type

Deity holding fire, sceptre, sword, \&c., some-

[^25]Inscriptions.
times wears winged helmet, or stands on a fire; sometimes holds the caduceus of Hermes, and even his purse.

The Persian word far or farr signifies fire, and that the deity is a fire-god is evident. Hoffmann calls him the 'god of victory, hearenanh, "Hoheits und Sieges-glanz."

## ( $\gamma$.) Indian Deities.

APAOXPO Female deity, holding a cornucopize.
[ $\triangle O X P O$ ] The type is nearer to that of the Greek Tyche than to any other figure. The legend has been regarded as a transcription of Ardha-ugra, half or consort of Șiva, Pärvati. And that OKPO stands for Șiva is certain, as we shall presently see: but there still remains for explanation the aspirate $X$ for $K$, as well as the curious circumstance that the cruel and relentless Pärvatī should appear in so mild and propitious a form. Hoffmann considers the deity intended to be the Persian Ashis, daughter of Ahuro, goddess of fortune. Others suppose her to be Lakshmī, the Indian goddess of fortune, who closely corresponds to Tyche.
MAACHNO
War-god Skanda, holding standard and sword.
There can be little doubt that the legend represents the Sanskrit Mahāsena, 'ruler of a great army,' an epithet of both Șiva and Skanda. The

## Insoriptions.

figure so nearly resembles that of Skanda in the present series, that it is safe to identify it with him. Later, Mahāsena reappears, in somewhat different form.
OKPO Șiva, standing with trident and bull; his hair in form of a shell.

SSiva having four hands, in which he holds a vase, an Indian thunderbolt,* a trident, and a goat: sometimes a wreath or a Greek thunderbolt : he is sometimes phallic.

There has been a quite unnecessary doubt as to the identification of this figure; Hoffmann calls it Ahuro, and von Sallet "Pantheon aus Zeus, Poseidon, Herakles," \&c. No doubt there is a Greek element in the type, but the attributes prove beyond any doubt that Șiva(Ugra) is intended. The thunderbolt, trident, and goat, are all attributes of that deity as he appears in Hindu pictures, and the special arrangement of the hair and the phallic nature also belong to him especially. On some of the late coins Șiva has three faces. Two figures of armed deities; one holds standard and sword, one sword and spear.

These figures also can be unhesitatingly identified as Skanda, the Hindu god of war, who bears the epithet of Kumāra, the prince, and Viṣākha, who is called in the Mahābhärata $\dagger$ a son and impersonation of Skanda.

* On p. 132 this attribute has been called a drum. Its form is that of a drum, but the occurrence of the Greek thunderbolt in the hand of Siva shows that it is the Indian counterpart of that weapon.
$\dagger$ i. 2588, iii. 14384, \&c.

Inseriptions.
CKANAO KоMAPO, MAACHNO, bizaro

WPON

Two figures, as before; between them a deity, who is apparently horned.

In this remarkable group we find again Skanda Kumāra, and Viṣākha: the third figure appears to be Mahāsena, who is here differentiated from Ṣiva.

See above, under 'Greek Deities.'

## ( $\delta$ ) Buddha.

Bo $\Delta \Delta \mathrm{O}$, Figure of Buddha, standing, preaching. OAYO BOY CAKAMA, jro Boyado

Buddha seated cross-legged (Pl. xxxii. 14).
These coins are most interesting as giving us the earliest known artistic representation of Buddha. The second and longer legend seems to be a transcript of Advaya Buddha Ṣākyamuni.* On a British Musenm specimen CAKAMA is clear ; the old reading CAMANA, with its interpretation S. Sramana, must therefore be given up.
The style in which these various figures are represented is remarkable, and points clearly to a local school. Style of types. There are a few set schemes according to which all the figures are arranged. Nanaia (xxvi. 10) is in exactly the same attitude as Ardochro (xxvi. 6). The sun-god (xxvii. 9) finds his close parallel in the moon-god (xxvii. 22). Pallas, or Roma (xxviii.40) differs from Ares (xxviii. 17) only in the length of her chiton. This being the case, it is evidently futile to seek the originals of the types of these coins, as one might be tempted to do, on the Roman aurei of the Cæsars. Thus the Roma (xxviii. 20) is closely like Pallas on an aureus of Galba, and the Victory (xxviii. 13) nearly resembles

[^26]Victory on an aureus of Otho; yet we have no right in these and similar cases to assume that the Roman coin is the prototype, and the Indian coin the copy. Rather both coin-types are copies of a conventional and widely current mode of representing the deities. Within the limits set by their conventional notions as to attitudes and drapery the artists employed by the Scythic kings move freely; they vary attributes continually, and in the case of Ṣiva even develop a type quite different from anything to which they can have been accustomed in a Greek school.

## V. Weights.

It is maintained by Gen. Cunningham that the earliest Greek
The purāna. coins of India, those of Sophytes, are struck not on the Attic standard, but on a native standard which is based on the rati or grain of abrus precatorius. Of these grains, 32 weigh, according to Cunningham, $58 \frac{1}{3}$ English gr., according to Thomas 56 gr . We thus reach a unit, the puraña, followed in the early punched silver coins of India; and that the money of Sophytes follows the same standard is likely enough, though if so it is rather over-weight.

Apart from these specimens, all the earlier coins of the kings of
Use of Attic Greek descent which were issued in India and to standard. the north of the Caucasus, are struck on the Attic standard (drachm, 67.5 grains) which Alexander made universal in the regions which he conquered, and which was maintained by the Seleucid kings who succeeded him in Asia.
The earliest monarch to strike on another standard is Eucratides; and in the reigns of his successors, Heliocles and Antialcidas, the Attic standard is gradually given up, the new standard advancing in conjunction with the custom of using on the coins Indian transcripts of the Greek legends.

This new standard appears to be identical with that called by Persian standard. metrologists the Persian, the standard on which coins were struck in all parts of the Persian Empire, notably the sigli stamped with the figure of the Persian king, which must have freely circulated in the northern parts of India, which paid tribute to the Persians. The standard used by the Indians for the silver coins, which they issued before the Greek conquest, is as we have already remarked different. The present standard therefore would seem not to be native to India, but an importation from Persia.

In the Persian standard the unit or drachm weighs 84-86 grains: if therefore the lower standard of the Greek kings of India be Persian, we must call the heavier pieces, which weigh as a maximum 160 grains, didrachms ; and the smaller pieces, which weigh up to 40 grains, hemidrachms. Hitherto the larger pieces have usually been treated as didrachms, and the smaller as hemidrachms, of Attic standard, which is clearly wrong. But Sallet also appears to be wrong in supposing that the larger pieces are tetradrachms, and the smaller drachms of a standard reduced from the Attic. For the change from the Attic standard to that which I call the Persian takes place suddenly, and is evidently due not to any sinking of standard, but to the adoption for purposes of convenience of a different weight for coins.

All gold coins before the Indo-Scythic period follow the Attic Gold standard. standard, somewhat debased. The Indo-Scythic gold money, as we have already observed, p. liii, follows the standard of the aurei of Rome.

The following table gives approximately the normal or standard weights of coins in the various metals issued in India by Greek and Scythic kings.

PERCY GARDNER.
( lxix )

## NORMAL WEIGHTS OF COINS.



GOLD.

| Stater of Attic Standard | $\begin{aligned} & \text { Grains. } \\ & 132 . \end{aligned}$ | $\begin{gathered} \text { Grammes. } \\ 8.55 \end{gathered}$ |
| :---: | :---: | :---: |
| Drachm of Attic Standard | $66 \cdot$ | $4 \cdot 27$ |
| Indo-Scythic distater | 248. | 16.07 |
| , stater | 124. | 8.03 |
| ", quarter-stater | 31. | 2.01 |
| SILVER. |  |  |
| Tetradrachm of Attic Standard | 264. | $17 \cdot 10$ |
| Drachm of Attic Standard | 66. | $4 \cdot 27$ |
| Hemidrachm of Attic Standard | 33. | $2 \cdot 13$ |
| Obol of Attic Standard | 11. | $\cdot 71$ |
| Didrachm of Persian Standard | 160 | $10 \cdot 36$ |
| Hemidrachm of Persian Standard | 40. | 2.59 |
| Drachm of Indian Standard | 58. | $3 \cdot 75$ |

## NICKEL.

Didrachm of Attic Standard . . . $132 \cdot$ ? $8 \cdot 55$
Drachm of Attic Standard . . . . 66. $4 \cdot 27$

THE ARIAN PALI ALPHABET，ON COINS．

| Value． | Forms． | Value． | Forms． | Valuo： | Forms． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $a$ |  | gam | $\zeta$ | the | 4 |
| $a m$ | $\frac{1}{3}[2]+$ | gu | $\stackrel{1}{\mathscr{L}} \stackrel{2}{2}$ | §da | ［4］ |
| $\underset{\substack{\bar{a} \\ \text { (mer } m \\ m}}{ }$ | － | go | ，$P$ | $\xrightarrow{\text { d }}$ a | ［ 4 ］ |
| $i$ | 7 | gha | $\bigcirc$ | $t a$ | $\chi^{1} \underbrace{2} \underbrace{3}$ |
| ${ }_{\text {im }}$ | $\frac{2}{3}$ | cha | ¢ ${ }_{7}^{1}$ | $t i$ | $4{ }^{1} 4$ |
| $u$ | 1 | chha | Y ${ }^{1}[\stackrel{2}{7}]$ | $t e$ | Y |
| $e$ | $\gamma$ | $j a$ | $\stackrel{1}{1}_{1}^{4} \stackrel{2}{4}^{4}$ | tra | \％Z |
| 0 | ［7］ | $j i$ | －${ }_{4}^{1} x^{2}$ | $t s a$ | ［限］ |
| lca | 万 |  |  | $t s a$ | 3 |
| $k i$ | 为 | ju | $y$ | tha | ［7］ |
| ku | 3 | $j n ̃$ | ［y］ | §da | $)^{1} \underbrace{2} 7^{3} \underbrace{4} c^{5}$ |
| ke | 为 | jha | 가 | $d i$ |  |
| lera | Z | jham | ＇ | $d u$ | 〕 |
| kri | 方 | jho | N | de | ${ }^{1}{ }_{4}^{2} 8$ |
| kire | ${ }_{2}^{1}{ }_{2}^{2}$ | $\tilde{n} a$ | $\left[\begin{array}{lll}\frac{1}{y} & \stackrel{2}{1}\end{array}\right]$ | do | 7 |
| kiha | ${ }^{1}{ }^{1} \mathrm{~S}$ | $t a$ | ［－7］ | $d r a$ | r |
| lıhu | G | tha | ［＋］ | dha | 3 |
| lihsa | ［§］ | thi | ＋ | dhra | そ |
| $g a$ | ${ }_{\underline{1}}^{1} \mathscr{L}^{2} \underbrace{\frac{3}{\varphi}}$ | thu | J | §na | $\stackrel{1}{\underline{1}} \stackrel{C}{4}^{\text {f }}$ |

＊Bottom strokes occur in the case of many latters，such as $a, g a, j a, n a$ ，and $d a$ ；it is therefore sometimes impossible to say whather a letter is intended to be followed by $u$ or $r$ ，or to bs only casually varisd．
＋Forms in square bracksts are not found on coins in the British Museum，bat are cited as occurring eleowhere on the authority of General Cunningham．
$\ddagger$ In the Journal Asiatique（xv．308）M．Sonart maintains that this sign has no phonetic valus ； General Cunningham，with hesitation，assigne to it the value of $a$ long：ain seems on the coins to bo somotimes undistinguishable from $\bar{\alpha}$ and sometimes from $u$ ．

S I cannot distinguish on the coins botween na and na，da and du；the forms of $d a, \perp$ and S ， are used interchangoably on the coins of Menander．
the arian pali alpaabet，on coins．

| Value． | Forms． | Value． | Forms． | Value． | Forme． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $n i$ | $\stackrel{1}{f}$ | mo | r | $v r i$ | 7 |
| $p a$ |  | ya | $\wedge$ | sa | $\square$ |
| $p i$ | $\dagger^{1} \stackrel{2}{2}^{\prime \prime}$ | $y i$ | $X$ | $s i$ | 门 |
| $p^{u}$ | $\checkmark$ | $y u$ | $\boldsymbol{\lambda}$ | sva | $\Gamma$ |
| $p r a$ | $t$ | ye | $n$ | sha | $T$ |
| $p r i$ | せ | ra | 4 | shha | ［ $\mathrm{T}_{7}$ ］ |
| pha | $\stackrel{1}{\text { ¢ }}{ }^{2}$ | ram | 3 | shni． | $[\underset{2}{f}]$ |
| $p h i$ | \＃， | $r i$ | 4 | $s a$ |  |
| $p h r e$ | 之 | ru | Y | sam | 3 |
| $p h s a$ | 5 | rkhe | 9 | $s i$ | 布 |
| $b a$ | 7 | rte | 4 | $s u$ | 7 |
| $b i$ | 4 | rma | J | so | $\stackrel{1}{1} \stackrel{2}{7}$ |
| $b u$ | $\stackrel{1}{3} \stackrel{3}{3}$ | $r v a$ | 又 | sta | 7 |
| bra | Z | $r s a$ | ［\％］ | sti | ¢ |
| $b h a$ | 77 | $l a$ | － | stra | $z$ |
| bhra | $\frac{1}{7} \frac{2}{7}$ | $l i$ | ＋ | spa | ${ }_{1}^{7}$ |
| $m a$ | $\stackrel{1}{\cup} \stackrel{2}{v}^{\sim}$ | lu | $\checkmark$ | ha | $\sim 2$ |
| $m a ̄$ | $\checkmark$ | 10 | $\stackrel{1}{\top} \stackrel{2}{1}$ | ＊ 72 | $\chi$ |
| namm | ソ | $v a$ | 7 | $h u$ | 2 |
| $m i$ | $\Psi$ | $v i$ | 7 | he | $\alpha$ |
| $m e$ | $\Psi$ | vu | $フ$ | ho | $\gamma$ |

## TABLE OF TRANSLITERATIONS AND REN－ DERINGS OF PRAKRIT LEGENDS．

| Indian． | Greek equivalent． | English rendering． |
| :---: | :---: | :---: |
| INDIAN PALI． |  |  |
| Akathukleyasa <br> Pamtalevasa <br> Rajine | AГAOOKへEOYE ПANTAへEONTO乏 BAINERE | King（genitive）． |
| ARIAN PALI． |  |  |
| Akathukreyasa＊ | ATA®OKへEOYE |  |
| Amitasa | AMYNTOY |  |
| Antialikidasa | ANTIA＾KIDOY |  |
| Antimakhasa | ANTIMAXOY |  |
| Apadihatasa | ANIKHTOY Invincible（gen．）． <br> AП०＾＾О  |  |
| Apaladatasa |  |  |
| Aparajitasa | ANIKHTOY | Invincible（gen．）． <br> Invincible（gen．）． <br> Invincible with the discue（gen．） |
| Apratihatasa |  |  |
| Apratihatachakrasa |  |  |
| Apulaphanasa | АПО＾＾ОФАNОY sic |  |
| Arkhebiyasa | APXEBIOY |  |
| Artemidorasa | APTEMID 2 POY |  |
| Ashshakasa | APEAKOY |  |
| Avadagasasa | ABAATAEOY |  |
| Ayasa | AZOY |  |
| $\left.\begin{array}{c} \text { Ayalishasa or } \\ \text { Ayilishasa } \end{array}\right\}$ | AZINIEOY |  |

[^27]| Indian. | Greek equivalent. | English rendering. |
| :---: | :---: | :---: |
| Bhradaputrasa | A $\triangle E \wedge \Phi I \Delta E \Omega \Sigma$ | Brother's son (gen.). |
| Bhrata | A $\triangle$ EへФог | Brother. |
| Cha |  | And (enclitic). |
| Chhatrapasa | इATPAПOY | Satrap (gen.). |
| Devatratasa |  | Protected by the gods (gen.). |
| Dhramaṭhidasa |  | Steadfast in the law (gen.). below, sachadhramathidasa. |
| Dhramikasa | $\triangle I K A I O Y$ | Just (gen.), for dharmikasa. |
| Diyamedasa | $\triangle I O M H \triangle O Y$ |  |
| Dianisiyasa | $\triangle$ IONYEIOY |  |
| Epadrasa | EMANAPOY |  |
| $\left.\begin{array}{c} \text { Evukratidasa or } \\ \text { Eukratidasa } \end{array}\right\}$ | EYKPATIAOY |  |
| Gudapharasá or Gadapharasa | $\left\{\begin{array}{l}\text { ГON } \\ \text { YNOФААРОY or }\end{array}\right.$ |  |
| Heliyakreyasa | HAIOKAEOYE |  |
| Heramayasa | EPMAIOY |  |
| Hiduja same |  | Just to those born on the Indus. Same is Sk. samah (nom.) Bendall. |
| Himakapisasa | ООНMO KADФİOY |  |
| Hipastratasa | IППОГTPATOY |  |
| Jayadharasa | NIKHфоРоY | Victorious (gen.). |
| $\underset{\substack{\text { Jayatasa }}}{\text { Jayamtasa or }}$ |  | Conquering: a secondary forma tion from the participle, common in all Prakrits and ver naculars. Bendall. |
| Jhoilasa | Z $\Omega$ INOY |  |
| Jihuniasa | ZEISNIEOY |  |


| Indian. | Greek equivalent. | English rendering. |
| :---: | :---: | :---: |
| Kaliyapaya | KAヘヘIOПH |  |
| Kaphsasa | KADA¢E |  |
| Karisise vata nagara de- |  | God of the city of Kārisi. Cunningham. |
| Kasasa | KADФİOY |  |
| Kujula or Kuyula | KOZOY^O or KoZo^A |  |
| $\left.\begin{array}{c}\text { Kushana or } \\ \text { Khushana }\end{array}\right\}$ | KOPON or XOPAN | Kushan (tribe). |
| Lisiasa or Lisikasa | AYEIOY |  |
| Mahachhatrapasa |  | Satrap (gen.). |
| Maharajasa | BAEIAESE | King (gen.). |
| Maharajabhrata or Maharajabhraha |  | Brother of the king. |
| $\left.\begin{array}{c} \text { Mahatasa or } \\ \text { Mahatakasa } \end{array}\right\}$ | MESA^OY | Great (gen.): Pali, mahanta. |
| Mahisvarasa |  | Great prince (gen.). |
| Menadrasa | MENAN $\triangle$ POY |  |
| Moasa | MAYOY |  |
| Nikiasa | NIKIOY |  |
| Pakurasa | ПAKOPOY |  |
| Palanakramasa | EYEPTETOY | Perhaps for Sk. pālanakshamasa, 'able to protect' (gen.). Ksh not being a Prakrit combination of letters, we have not been able to find an example |
| $\left.\begin{array}{c} \text { Philasinasa or } \\ \text { Philusinasa } \end{array}\right\}$ | \$1^OEENOY |  |
| Pratichhasa | EПIФANOYE | Illustrions:- for pratīkshiyasa (gen.). Bendall. |
| Pntrasa | YIOY | Son (gen.). |


| Indian. | Greek equivalent. | English rendering. |
| :---: | :---: | :---: |
| $\left.\begin{array}{l} \text { Rajabalasa, Ramjar } \\ \text { bulasa, \&c. } \end{array}\right\}$ | PA IY |  |
| Rajadirajasa or Rajarajasa | $\left.\begin{array}{l} B A \Sigma I \wedge E \Omega \Sigma \\ B A \Sigma I \wedge E \Omega N \end{array}\right\}$ | King of kings (gen.). |
| Sachadhramaṭhidasa |  | Steadfast in true law:-for satyadharmasthitroga (gen.). Bendall. |
| Sagaba |  | Brother:-for sagarhha. Cunningham. |
| Sampriyapita |  | To whom his father ie very dear This seems to be a rendering of the Greek piスotarap. Cun ningham. |
| Sarvaloga iṣvarasa Sasasa |  | Prince of all the world (gen.). |
| Spalagadamasa |  |  |
| Spalahorasa |  |  |
| Spalirisasa | 玉ПANIPİOY |  |
| Stratasa | £TPATתNOE |  |
| Strategasa |  | General (gen.), Greek $\sigma \tau \rho a \tau \eta \gamma$ 's. |
| Teliphasa | TH^E¢OY |  |
| Theuphilasa | ¢EO¢I^OY |  |
| Tradatasa | $\Sigma \Omega$ THPO | Saviour:-perhape for a Prakrit trānadataaaa (gen.), cf. Sk. trā nakartri. Bendall. |
| Vrishabha | TAYPOE | Bull. |
| Yarugasa or Yauasa | ZAOOY | Yueh ? (gen.). |

## ( lxxvi )

## CORRIGENDA.

Page 68, no. 4, \& p. 69, nos. 9, 10-The object described in the text as a whip over the king's shoulder seems to be merely the falling ends of the regal diadema, greatly exaggerated. On the coins of Azes and succeeding kings this view is adopted.
Pp. 103, 105-The first letter in the name of Gondophares ( $\boldsymbol{\mathcal { J }}$ ) is transliterated sometimes as $g a$ and sometimes as $g u$. It may stand for either, or even gam

## GREEK AND SCYTHIC

## KINGS OF BACTRIA AND INDIA.





| No. | Wt. | Metal, Size. | Obverse. | Reverse. |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 129 | A 75 | EUTHYDEMUS <br> (Successor of D <br> Head of the king r., diad. | I., KING OF BACTRIA. <br> Diodotus II., cir. в.c. 220.) <br> (a) Gold. <br> BAINE $\boldsymbol{\Sigma}$ Herakles, bearded, EY $\Theta$ Y $\triangle H M O Y$ naked, seated 1 . on rock ; in r., club, which also rests on rock. <br> to l., W. <br> [PI. I. 10.] |
| 2 | $254 \cdot 6$ | R 1.1 | ( $\beta$ ) Silver ; <br> Head of the king r., diad. | middle-aged portrait. <br> BAINE $\boldsymbol{\Sigma}$ Herakles, bearded, EYOY $\triangle$ HMOY naked, seated I. on rock; in r., club, which also rests on rock. <br> to r., $\boldsymbol{A}$. <br> [Pl. i. 11.] |
| 3 | 256.5 | R 1. |  | " " |
| 4 | 2442 | A 1-1 |  | " "; below, N. [I. O. C.] |
| 5 | $258 \cdot 2$ | R1. |  | to I., M. [Pl. II. 1.] |
| 6 | $252 \cdot 5$ | AR1-15 |  | " 因. [I. O. C. Pl. in. 2.] |
| 7 | 255 | A 1 1 1 |  | " " |
| 8 | $257 \cdot 7$ | A 1-15 |  | " ", [PI. II, 3.] |
| 9 | 2112 | R 1- |  |  |


| No. | Wt. | Metal. Size. | Obverse. | Reverse. |
| :---: | :---: | :---: | :---: | :---: |
| 10 | $252 \cdot 4$ | A1-15 | Head of the king r., diad. | BAINERE Herakles, bearded, EYOY $\triangle H M O Y$ naked, seated 1 . on rock, on which is spread lion's skin ; in r. hand, club, which rests on his knee. <br> to $\mathrm{r}, \mathrm{R}$. (traces of rock under club.) [Pl. II. 4.] |
| 11 | 249 | R 1. |  | " " (semi-barbarous.) |
| 12 | $186 \cdot 5$ | A 1. |  | " ", |
| 13 | $256 \cdot 7$ | A $1 \cdot 1$ | Head of the king r., diad. | ; elderly portrait. <br> BAINE $\boldsymbol{\Sigma} \boldsymbol{\Sigma}$ Herakles, bearded, EYOY $\triangle H M O Y$ naked, seatcd l. on rock, on which is spread lion's skin ; in r. hand, club, which rests on his knee. <br> to $\mathrm{r}, \mathbf{R}$. <br> [Pl. II. 5.] |
| 14 | $60 \cdot 8$ | $\boldsymbol{A} \cdot 65$ |  | \|to r., R. [Pl. II. 6.] |
|  |  |  | Head of bearded Herakles r., bare. | (d) Bronze. |
| 15 |  | E.85 |  |  |
| 16 |  | E 85 |  | - [I. O. C. Pl. in. 7.] |
| 17 |  | 压 85 |  | [I. O. C.] |
|  |  |  | Head of Zeus r., laur. | BAEIAE $\Omega \Sigma$EYOY $\triangle H M O Y ~$Free horse r., <br> prancing. |
| 18 |  | 无•7 |  | to r., R. [I. O. C. Pl. II. 8.] |


| No. | Wt. | Metal. <br> Size. | Obverse. | Reverse. |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 259• | A 1-3 | DEMETRIU <br> (Son and succ <br> Bust of the king r., diad., wearing elephant's scalp. | S, KING OF INDIA. <br> cessor of Euthydemus I.) <br> (a) Silver. <br> BAIAESE Young Herakles, $\triangle$ HMHTPIOY facing; holds in l. hand, club and lion's skin; with r. hand, crowns himself with ivy-wreath. <br> to $1 ., \mathbb{R}$. <br> [Pl. in, 9.] |
| 2 | $260 \cdot 7$ | A $1 \cdot 2$ |  | " $\quad$ [I. O. C.] |
| 3 | $263 \cdot$ | A1.35 |  | " $\phi$. |
| 4 | $220 \cdot 2$ | A1•15 (plated) |  | " ", [I. O. C.] |
| 5 | $235 \cdot 5$ | R1.25 |  | " $\boldsymbol{\Sigma}$; to r., A. (semi-barbarous.) |
| 6 | 61. | 不 85 |  | to l., R. [I. O. C. Pl. In. 10.] |
| 7 | $55 \cdot 5$ | R $\cdot 8$ |  | " ®; to r., (®. [I. O. C.] $^{\text {[ }}$ |
| 8 | 52.8 | R $\cdot 8$ | (countermark: $\Sigma$, and Herakles crowning himself.) | $" \Delta .$ |
| 9 | 9. | R 5 | (head, not bust.) | to 1., R. $\quad$ [P1. 11. 11.] |
| 10 | $9 \cdot$ | A 5 |  | " " |
| 11 | 10.5 | R 5 | , | " " [I. O. C. Pl. in. 12.] |
| 12 | 10. | R $\cdot 45$ |  | 1, 中. |



| No. | Wt. | Metal. <br> Size. | Obverse. | Reverse. |
| :---: | :---: | :---: | :---: | :---: |
| 1 | $260 \cdot 7$ | A 1 3 35 | EUTHYDEMUS <br> (Son and <br> Bust of the king r., diad. | II., KING OF INDIA. <br> ccessor? of Demetrius.) <br> (a) Silver. <br> BAINERE Young Herakles, EYOY $\triangle H M O Y$ facing, ivycrowned ; holds in r. hand, wreath of ivy; in I. hand, club and lion's skin. <br> to $1 ., \mathbf{R}$. <br> [Pl. min. 3.] |
| 2 3 | $65 \cdot 1$ $63 \cdot 5$ | A $\cdot 75$ $A \cdot 75$ |  | $\text { to } 1 ., \text { 柬. }$ $" \quad \text { [Pl. rir. 4.] }$ |
| 4 | 118.2 | NI 95 | Head of Apollo r., laur. | ( $\beta$ ) Nickel. <br> BAINERE Tripod-lebes. EYOY $\triangle H M O Y$ <br> to 1., $\phi . \quad[$ Pl. III. 5.] |
| 5 |  | 不1.1 | Head of Apollo r., laur. | ( $\gamma$ ) Bronze. $\left\lvert\, \begin{aligned} & \text { BA } \Sigma \mid \wedge E \Omega \Sigma \\ & \text { EY } \Theta Y \triangle H M O Y \end{aligned}\right.$ <br> to 1., $\quad$ [PI. III. 6.] |
| 6 |  | A $\quad 9$ | Head of bearded Herakles r., bare. | BAEIAESEFree horse r., <br> prancing.$[$ Pl. III. 7.] $]$ |







| No. | Wt. | Metal. Size. | Obverse. | Reverse, |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Bust of the king r., diad., and wearing helmet in the shape of a causia, adorned with ear and horn of bull, and crest : fillet-border. | BAEINESE MEГANOY <br> EYKPATI $\triangle$ OY <br> The Dioscuri charging r., holding long lances and palms. |
| 8 | 2612 | R1-35 |  | below |
| 9 | $258 \cdot 2$ | R1 35 |  | " ロI. [Pl. v. 7.] |
| 10 | $259 \cdot 6$ | R 1.3 |  | " $\mathbb{A}^{\text {a }}$ |
| 11 | $258 \cdot 8$ | $\boldsymbol{R} 1 \cdot 2$ |  | " 釗. |
| 12 | 258.7 | R1 35 |  | " $\quad$ |
| 13 | $258 \cdot 2$ | A 1-3 |  | " $\mathbf{A} . \quad$ [Pl v. 8.] |
| 14 | $244 \cdot 5$ | R1-35 | . | to 1., $\mathbb{P}^{\prime} . \quad[\mathrm{I} . \mathrm{O} . \mathrm{C}$. |
| 15 | 57.5 | R 8 |  | below, ¢. [Pl. v. 9.] |
| 16 | $62 \cdot 3$ | R 75 | (border of dots.) | " " |
| 17 | 59-5 | R 75 | $\left(\begin{array}{l} 1 \end{array}\right)$ | " N. (semi-barbarous.) |
| 18 | $55 \cdot 3$ | R $\cdot 75$ | $\left(\begin{array}{ll} 1 \end{array}\right)$ | $\text { to l., W. } \begin{aligned} & (B A \Sigma I \wedge E \Omega \Sigma \text { written } \\ \Sigma \mid \wedge E \Omega \Sigma) \cdot & {[I, 0, C .] } \end{aligned}$ |




| No． | Wt． | Metal． Size． | Obverse． | －Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 40 |  | 无 95 | BAEINERE MEГA－ АOY EYKPATIAOY Bust of the king r．， diad．and helmeted． | ¥Уヶ．～（Māhārajasa Evu アユサ・モフV krūtidasa or Eü－ krātidasa）．The Dioscuri charging r．，holding long lances and palms． to $\mathrm{r}_{\mathrm{r}}, \boldsymbol{\varphi}$ ． |
| 41 |  | E 9 |  | „®. |
| 42 |  | ※ $\cdot 9$ |  | ＂P． |
| 43 |  | 不 95 |  | ＂＂ |
| 44 |  | 压 85 |  | ＂且． |
| 45 |  | 汇 85 |  | ＂迷．［I．O．C．］ |
| 46 |  | 无 85 |  | $" D$ |
| 47 |  | E 9 |  | ，金． |
| 48 |  | 不 9 |  | ，$\sqrt{8}$ ． |
| 49 |  |  |  | ＂网。 |
| 50 |  | ※ 8 |  | ＂P7．（ 7 for 7 ）． |
| 51 |  | $\mathbb{E} \cdot 9$ |  | ＂ 0 团．［I．O．C．］ |
| 52 |  | ※ 9 |  | ＂ |
| 53 |  | ※ 7 |  | to r．，肉．［I．O．C．］ |
| 54 |  | ※ 65 |  | ＂來。 |
| 55 |  | ※ $\cdot 7$ | － | ［I．O．C．Pl．vi．4．］ |









| No. | Wt. | Metal. <br> Size. | Obverse. | Reverse. |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 257.2 | R1•35 | ANTIALCIDAS. <br> (a) Silver ; Attic weight. <br>  fillet-border. ANTIAAKIDOY Zeus, laur., seated l. on throne; holds in r., Nike, who bears wreath and palm; in 1., long sceptre ; in field 1., forepart of elephant with bell round neck, who raises his trunk. <br> to r., lị(. [I. O. C. Pl. vir. 9.] <br> ( $\beta$ ) Silver; Indian weight. |  |
| 2 | $34 \cdot 5$ | R. 65 | ( $\beta$ ) Silver <br> BAEINERE NIKHфOPOY ANTIANKIDOY Bust of the king r., diad. | er; Indian weight. <br>  <br>  jayadharasa Amtialikidasa). Zeus seated 1. on throne; holds in r . hand, palm and wreath; in 1., sceptre ; to 1., small elephant upwards, who grasps the wreath in his trunk. <br> to r , 㞔 $\mid$. <br> [Pl. vir. 10.] |
| 3 | $36 \cdot 4$ | R 65 | Same inscr. Bust of the king r., diad. | Same inscr. Zeus seated l. on throne; holds in r. hand, Nike; in l., sceptre; to l., forepart of elephant, who raises his trunk. <br> below throne, $\boldsymbol{\not P I}$. (elephant.r.) |
| 4 | 38. | $\boldsymbol{A} \cdot 7$ |  | to r., 价. $\quad$ [I. O.C. $]$ |
| 5 | $37 \cdot 9$ | R.65 | (king wears causia). | below throne, lif( <br> [P1. viI. 11.]" i. |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAEINERE NIKH－ фOPOY ANTIAN－ KIDOY Bust of the king r．，diad． | アクアヘУアリン．～（Mähā アクグウサートリリ（3）7 rajasa jayadharasa Amtialikidasa）．Zeus seated l．on throne；holds in r． hand，Nike ；in l．，sceptre ；to l．， forepart of elephant，who raises his trunk． |
| 6 | $33 \cdot 3$ | A． 65 | （king helmeted）． | to r．， $\mid$ Vl．（elephant r．） |
| 7 | 34.5 | A $\cdot 7$ | ＂ | infield $r$ ．佂 throne，lil． |
| 8 | $37 \cdot 2$ | AR． 65 | ＂ | to r．，RC．$\quad$ ，［I．O．C．］ |
| 9 | $35 \cdot 8$ | R 65 | ＂ | $" \Rightarrow \quad \text { (elephant facing). }$ |
| 10 | 37.8 | $R \cdot 65$ | ＂ | ＂＂（elephant 1．）［I．O．C．］ |
| 11 | 37－6 | R $\cdot 65$ | （king wears causia）． | ＂＂＂ |
| 12 | $37 \cdot 6$ | A•7 | ' " | ＂＂［I．O．C．＂Pl．vi．13．］ |
|  |  |  | Same inscr．Bust of the king r．，diad． | Same inscr．Zeus seated l．on throne； holds in r．hand，Nike；in l．，scep－ tre ；to 1. ，forepart of elephant 1 ， who carries off the wreath of Nike． |
| 13 | 36.5 | A $\cdot 6$ | （king wears causia）． | below throne，抮． |
| 14 | 33.9 | A $\cdot 6$ | ＂ | ＂， |
| 15 | $33 \cdot 1$ | A 65 |  | ＂，हf．［Pl．vir．14．］ |



| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 26 |  | 菟 $\cdot 75$ | BAEINESE NIKH－ фоPOY ANTIAN－ KIDOY Bust of Zeus r．，laur．，with hand hurl－ ing thunderbolt． |  <br> （Māhā－ <br> ア Иネッナフサ（3）raiasa <br> jayadharasa Amtialikidasa）．Lau－ reate pilei of the Diescuri，sur－ mounted by stars；between them， two palms． <br> to l．， $\mathbb{R}$ ． |
| 27 |  | 压 75 |  | ＂＂ |
| 28 |  | E $\cdot 7$ | － | ＂ $\mathbf{R}$ ． |
| 29 |  | ※ $\cdot 7$ |  | ＂$\quad$［PI．viII．3．］ |
| 30 |  |  |  | above，＂ |
| 31 |  | 圧 85 | Same inscr．，blundered． Aegis． | Same inscr．，blundered．Palm and wreath． <br> below， A V ．［I．O．C．PL．vim．4．］ |


| No． | Wt． | Metal． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 30.8 | A $\cdot 65$ | BAEINESE ANIKH－ TOY AYミIOY Bust of the king r．，diad． | LYSIAS． <br> （a）Silver． <br>  <br> ア万平東 <br> （Mähārajasa apadihätasa Lisikasa）．Young Herakles，facing；holds in l．hand， club，palm，and lion＇s skin；with $\mathbf{r}$ ． hand crowns himself with vine－ leaves． <br> to l．，区 ；to r．， $\mathbf{\Sigma} . \quad$［Pl．vili．5．］ |
| 2 | $37 \cdot 4$ | $\boldsymbol{A} \cdot 7$ | （king wears elephant＇s scalp）． | ＂＂，＂（palm not visible．） |
| 3 | 37.9 | AR $\cdot 7$ | ＂ | ＂，＂$\quad$ ，${ }^{\text {［I．O．C．Pl．viri．6．］}}$ |
| 4 | 34．4 | $\boldsymbol{A} \cdot 7$ | ＂$\quad$ | ＂lif．［I．O．C．］ |
| 5 | $36^{-}$ | $\boldsymbol{R} \cdot 7$ | ＂＂ | ＂ $\mathbf{R}^{\text {c }}$ ． |
| 6 | 33.5 | A $\cdot 65$ | （king helmeted）． | ＂ |
| 7 | $36 \cdot 4$ | A $\cdot 65$ | （ $\beta$ ） | ＂lif．（king＇s name written ア フ午東，Lisiasa．）［PI．viII．7．］ <br> Bronze；round． |
| 8 |  | 压•95｜ | BAEINESE ANIKH TOY AYE［IOY Bust of bearded Herakles r．； club and palm over shoulder． |  <br> 个万次丮 <br> （Mähärajasa apadihätasa Lisikasa）．Elephantr．， walking． <br> below，Hif． <br> ［PI．VIII．8．］ |




| No． | Wt． | Metal <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 139 | AR1．05 | ARCHEBIUS． <br> （a）Silver： <br> BAEINERE $\triangle I K A I-$ OY NIKHФOPOY APXEBIOY Bust of the king r．，diad． <br>  <br>  <br> （Māhārajasa <br> dhramikasa jayadharasa Arkhe－ biyasa）．Zeus，facing，clad in hima－ tion；holds long sceptre in 1．hand， and hurls thunderbolt with r ． <br> to L．，M．［I．O．C．PI．Ix．1．］ |  |
| 2 3 | $36 \cdot$ $36 \cdot 3$ | $\boldsymbol{A} \cdot 7$ $\boldsymbol{R} \cdot 65$ | （king helmeted）． | $\left\lvert\, \begin{array}{ccc}\text { to r．，R．} & \text {［Pl．IX．2．］} \\ \text {＂，＂，} & \\ \text {［Pl．IX．3．］}\end{array}\right.$ |
| 4 | $147 \cdot 6$ | A 1. | BAINERE DIKAI－ OY NIKHФОРОY APXEBIOY Bust of the king l．，diad．，wear－ ing aegis and thrusting with spear． <br> （king helmeted）． | アרアへ アヘ4出7 <br> （Māhārajasa dhramikasa jayadharasa Arkhe－ biyasa）．Zeus，facing，clad in hima－ tion；holds long sceptre in l．hand， and hurls thunderbolt with r ． <br> to l．，中．［I．O．C．Pl，Ix．4．］ |
| 5 | $34 \cdot 4$ | A $\cdot 7$ | （ $\beta$ ） | to I．，R ；to r．，供． $\left[\begin{array}{llll} \text { I. O. C. } & \text { Pl. Ix. 5. } \end{array}\right]$ <br> Bronze ；round． |
| 6 |  | ※1． | BAINE OY NIKHФОPOY APXEBIOY Nike l．， holding wreath and palm． | 下ヘ4チ？ <br> （Māhārajasa dhramikasa jayadharasa Arkhe－ biyasa）．Owl r． <br> to r．，M． ［PI．Ix．6．］ |


| No. | Wt. | Metal. Size. | Obverse. Reverse. |
| :---: | :---: | :---: | :---: |
| 7 8 |  | $\text { 不 } 1$ | ( $\gamma$ ) Bronze; square. |







| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAINE $\Omega \Sigma \Sigma \Omega T H$－ POE KAI ФINO－ ПАТОРОЕ АПОへ－ ， $10 \triangle O$ TOY Apollo r．，clad in chlamys and boots ；holds in r．hand， arrow；in l．，bow． | アグートゥフ アグィ アソル～ <br> （Maharajasa tradatasa Apalada－ tasa）．Tripod． |
| 16 |  | 压 8 | （type within square of fillet－pattern．） | to $x .$, mon．（type within square of fillet－pattern）． |
| 17 |  | ※ 8 | ＂ | ＂＂ |
|  |  |  | BAIINE $\Omega \Sigma \Sigma \Omega T H-$ POE KAI фIへO－ ПАТОРОЕ АПОへ－ ＾O $\triangle$ OTOY Similar type． | アゲートゥフ アケル アゾ～ <br> （Maharajasa txadatasa Apalada－ tasa）．Tripod． |
| 18 |  | ※ 65 |  | to r．，［Pl．x．9．］ |
| 19 |  | E $\cdot 6$ |  | ＂＂ |
|  |  |  | Similar type，within square of fillet－pattern． | アケาのカフ アケそ アソれ～ <br> （Maharajasa tradatasa Apalada－ tasa）．Diadema． |
| 20 |  | 压 6 |  |  |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 1 | $133 \cdot 3$ | A1．05 | BAइINER乏 EПIФA－ NOYE $\Sigma \Omega T H P O \Sigma$ ミTPAT』NOE <br> Bust of the king r．， diad． <br> （king wears helmet．） | STRATO I． <br> （a）Silver． <br>  <br> צ <br> （MāЋārajasa <br> pratichhasa tradatasa Stratasa）． <br> Pallas L，holding with l．hand aegis， and with r．hurling thunderbolt． <br> to I．，ष． <br> ［P1．x．10．］ |
| 2 3 4 | $31 \cdot 3$ $36 \cdot 2$ $33 \cdot 3$ | $\boldsymbol{A} \cdot 7$ $\boldsymbol{A} \cdot 7$ $\boldsymbol{A} \cdot 65$ |  | $\left\lvert\, \begin{aligned} & \text { to } 1 ., \text { 本. } \\ &, \mathbb{R} . \quad \text { [Pl. x. 11.] } \\ &,, \end{aligned}\right.$ |
| 5 | $35 \cdot 8$ | $\boldsymbol{R} \cdot 7$ | BAIANESE $\Sigma \Omega$ TH－ POE ETPATRNOE Bust of the king r．，diad． （king helmeted．） |  |
| 6 | $35 \cdot 5$ | A 6 |  | $" 2 ; \text { to r., 7ை. }$ |
| 7 | $37 \cdot 6$ | A $\cdot 65$ |  |  |
| 8 | $35 \cdot 4$ | $\boldsymbol{A} \cdot 6$ |  | ＂7；＂，3．＂ |
| 9 | $\dagger 34 \cdot 4$ | A $\cdot 6$ | inscr. ... NOE | $" \gg "$ |
| 10 | $32 \cdot 2$ | A $\cdot 65$ | －Or र．cha，pruch．chhasa．$^{\text {．}}$ <br> $\dagger$ This is one of the ecins king，Rosastonos． | ＂L；＂［I．O．С．${ }^{\mathbf{3}}$ ．］＂ （last line of inscr．padayashasa ？）． <br> sometimes wrongly given to an imaginary |






| No． | $\bar{W}^{-} \mathrm{t}$ ． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAINE $\Omega \Sigma \Sigma \Omega T H-$ POE MENAN $\triangle$ POY Bust of the king r．，diad． | （Māhārajasa ア．そくも trädatasa Mena－ drāsa）．Pallas I．，holding in 1. hand aegis，and with r．hurling thunderbolt． |
| 12 | 37－8 | R 7 | （king helmeted）． | to r．， $\mathbb{\$}$ |
| 13 | $37 \cdot 8$ | A $\cdot 7$ | ＂ | ＂＂ |
| 14 | 39. | $\boldsymbol{A} \cdot 7$ |  | ［I．O．C．］ |
| 15 | 34.8 | R 65 |  | to l．，令． |
| 16 | $33 \cdot 6$ | A $\cdot 7$ |  | to r．，＂ |
| 17 | $37 \cdot 6$ | $A \cdot 7$ |  | ，N． |
| 18 | $37 \cdot 4$ | A $\cdot 7$ |  | ＂ $\mid$ ¢ |
| 19 | $38^{\prime}$ | A $\cdot 65$ |  | ＂E． |
| 20 | $34 \cdot 1$ | $\boldsymbol{A} \cdot 75$ |  | to l．，区． |
| 21 | $37 \cdot 5$ | R 65 |  | ＂，\％tor．，贱． |
| 22 | 36. | R 65 |  | ＂过． |
| 23 | $37 \cdot 7$ | A 65 |  | ＂＂，［I．O．C．］ |
| 24 | $37 \cdot 3$ | A 65 |  | ，lif（ |
| 25 | $37 \cdot$ | A 7 |  | to r．，，＂［Pl．xI．10．］ |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 26 | $36 \cdot 3$ | R 65 | BAINERE 天 $\Omega$ TH－ POE MENANAPOY Bust of the king r．，diad． | アワユ． <br> ア・て「U trädatasa Mena－ $d r a \bar{s} a)$ ．Pallas l．，holding in 1. hand aegis，and with r．hurling thunderbolt． <br> to $1 ., \mathrm{Pi}$ ；to r．，$\Gamma$ ． <br> ［I．O．C．］ |
| 27 | 39． | A $\cdot 7$ |  | ＂＂，E． |
| 28 | $38 \cdot 3$ | A $\cdot 7$ |  | ＂ $\mathbf{\Sigma} ;$ ，lil． |
| 29 | 38. | A $\cdot 75$ |  | to r．，$\|\mathcal{P}\|$ ． |
| 30 | 38.7 | A $\cdot 7$ |  | ＂＂ |
|  |  |  | Same inscr．Bust of the king l．，wearing aegis and thrusting with spear． | Similar． |
| 31 | 36.6 | A $\cdot 7$ |  | to 1.98. |
| 32 | $37 \cdot 1$ | A 65 |  | to r．，M． |
| 33 | $37 \cdot 3$ | $\boldsymbol{R} \cdot 65$ |  | ，H4． |
| 34 | $37 \cdot 8$ | $A \cdot 7$ |  | ＂ N |
| 35 | 38. | R $\cdot 75$ |  | $" N .$ |


| No． | Wt， | Metal． <br> Size． | Obverse． | Reveree． |
| :---: | :---: | :---: | :---: | :---: |
| 36 | $38 \cdot 2$ | R $\cdot 7$ | BAINERE $\Sigma \Omega T H$ ． POE MENAN $\triangle$ POY Bust of the king 1 ．，wear－ ing aegis and thrusting with spear． | － <br> F．て「し trädatasa Mena－ dräsa）．Pallas r．，holding in 1 hand aegis，and with r．hurling thunderbolt． <br> to $1 ., 4$ |
| 37 | 38. | R $\cdot 7$ |  | ＂＂ |
| 38 | $37 \cdot 8$ | R 65 |  | ＂${ }^{*}$ ． |
| 39 | $37 \cdot 7$ | $A R \cdot 7$ |  | to r．，© ．［I．O．C．Pl．xi．11．］ |
| 40 | 38.2 | R 65 |  | $"$ |
| 41 | $37 \cdot 8$ | R．65 |  | to 1．，胀． |
| 42 | 37.9 | R 7 |  | ＂ A ． |
| 43 | 38.2 | R 65 |  | ＂抮． |
|  |  |  | （ $\beta$ ）Bronze； <br> BAINE $\Omega \Sigma \Sigma \Omega$ TH－ POE MENAN $\triangle$ POY Bust of the king l．， diad．，wearing aegis and thrusting with spear． | square ；with portrait． <br>  F．とfu tradatasa Mena－ dräsa）．Pallas r．，holding in 1. hand aegis，and with r．hurling thunderbolt． |
| 44 |  |  |  | to r．，$\Psi$ ． |
| 45 |  | 魇 8 |  | ＂＂ |
| 46 |  | 压 9 |  | ，区［［I．O．C．Pl．xı．12．］ |


| No． | Wt． | Metal． <br> Size． | Obrerse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 47 |  | ※ 1－1 | （r）Bronze；square；with head of Pallas． <br> BAINE $\Omega \Sigma \Sigma \Omega$ TH－ POE MENANAPOY Bust of Pallas r．，wear－ ing crested helmet． |  |
| 48 |  | 枼 9 | Similar． | $\left\lvert\, \begin{aligned} & \text { Same inscr. } \\ & \text { and palẹ r. ; holds wreath } \\ & \text { to r., R. } \\ & \text { [I. O. C.] } \end{aligned}\right.$ |
| 49 |  | 圧 8 |  | ＂$\uparrow$ ．［I．O．C．Pl．xı．13．］ |
| 50 |  | E 75 |  | ＂ $\boldsymbol{\Psi}$ ． |
| 51 |  | 不 85 |  | ＂N |
| 52 |  | 尼 7 |  | ＂＂ |
| 53 |  | 尤 8 |  | ＂ H A |
| 54 |  | 厌 7 |  | ＂＂ |
| 55 |  | 巴 8 |  | ＂溽． |
|  |  |  | Similar． | Same inscr．Nike l．；holds wreath and palm． |
| 56 |  | 尤 75 |  | to l．，俭；to r．，B ．［I．O．C．］ |
| 57 |  | 圧 8 |  | ＂$\uparrow$ ；＂，$\quad$［Pl．xil．1．］ |
| 58 |  | ¢ $\cdot 75$ |  | ＂B．［I．O．C．］ |



| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 67 |  | $\text { 历 } 65$ | （є）Bronze ；square ；Herakleian types． <br> BAINE $\Omega \Sigma \Sigma \Omega T H-$ POE MENAN $\triangle$ POY Elephant＇s head r．，bell round neek． <br>  <br> （Māhārajasa trādatasa Mena－ drāsa）．Club upwards． <br> to $1 ., \mid \hat{\|c\|}$ ；to r．，A． |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 68 |  | $\text { 压 } 55$ | ＂＂$\quad$ ，$\quad$［Pl．XII．6．］ |  |
| 69 |  | A $\cdot 6$ |  | ＂ $\mathbf{A} ;$ |
| 70 |  | ※ 6 |  | ＂＂，＂，［I．O．C．］ |
| 71 |  | ※ 55 | below， A ． | to r．， 7 ． |
| 72 |  | ※ 55 | ＂ 0 ． | ，¢． |
|  |  | E 5 | （ऽ）Bronze；square；type，wheel． <br> BAINE $\Omega \Sigma \Sigma \Omega$ TH－ <br>  POE MENANAPOY Wheel． （Māhārajasa trādatasa Mena－ drāsa）．Palm． |  |
| 73 |  |  |  |  |
|  |  |  |  | to r．，mon．［I．O．C．Pl．xil．7．］ |
|  |  |  | （ $\eta$ ）Bronze； | square ；with title Sıxalós． |
|  |  |  | BAINERE $\triangle I K A I-1$ －$Y$ MENAN $\triangle P \cdot Y$ Pallas 1．，holds patera？ and spear，against which leans shield． | ア．とエリアわせるアジา～～ソ <br> （Māhārajasa dhramikasa Mena－ dräsa）Maneless Indian lion 1. |
| 74 |  | 压 85 |  | below， |


| No． | Wt． | （ Metal． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 1 |  | ※ 9 | EPANDER． <br> （a）Bronze． <br> BAINESE NIKH－ ФOPOY EПANDPOY Nike advancing r．；holds wreath and palm． <br>  （Māharajasa jayadharasa Epa－ drāsa）．Indian bull r． <br> below， $\boldsymbol{K} \boldsymbol{K}$ ．［I．O．C．Pl．xil 8．］ <br> DIONYSIUS． <br> （a）Sitver： <br> BAINE $\Omega \Sigma \Sigma \Omega T H$ POE $\triangle$ IONYEIOY Bust of the king r．，diad． <br> アグと アソル～レ（Maharajasa アヘヤチクカ tratatasa Dianisiyasa）．Pâllas l．；holding in 1．hand，aegis；and with r．， hurling thunderbolt． <br> to r．，条．［I．O．C．Pl．xil．9．］ <br> （ $\beta$ ）Bronze． <br> BAINE $\Omega \Sigma \Sigma \Omega$ TH－ POE $\triangle I O N Y \Sigma I O Y$ Apollor．，cladin chlamys and boots；holds in both hands an arrow；a quiver at his back． <br> アヘヤチクカアクユとアゾ～レ <br> （Maharajasa tradatasa Dianisi－ yasa）．Tripod． <br> to L．，${ }^{\text {H／}}$ ；to r．，内．［I．O．C．］ mons．obscure． |  |
|  |  |  |  |  |
| 1 | 38. | R $\cdot 7$ |  |  |
|  |  |  |  |  |
| 2 |  | Æ 85 |  |  |
| 3 |  |  |  |  |







| No． | $\mathrm{W}_{\mathrm{t}}$ ． | Metal． Size． | Obveree． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Bronze；square． |
|  |  |  | BAEIAESE ANIKH TOY ¢IへOEENOY Sun－god，facing，radiate， clad in chiton，himation， and boots；holds in 1. hand long sceptre；r． extended． |  7ヶヤनカ <br> （Māhārajasa apadihatasa Phila＊sinasa）．Nike r．；holds wreath and palm． |
| 10 |  |  |  | to r．，｜l｜［Pl．xili．9．］ |
|  |  |  | Same inscr．A City I．；in l．hand cornucopiae ；r． extended． | Same inser．Indian bull r． |
| 11 |  | ※•85 | to l．， ® $^{\text {a }}$ | below， $\mathbf{\Sigma}$ ． |
| 12 |  | 区 8 | ＂＂ | ＂＂ |
| 13 |  | 厍 8 | ＂ $\mathrm{rl}_{\text {d }}$ | ＂7．［I．O．C．Pl．xim．10．］ |
| 14 |  | E 8 | ＂＂ | ［1．O．C．］ |
| 15 |  | 贳•8 | ＂＂ |  |
| 16 |  | 压 9 | ，mon． | ＂申．＂ |
| 17 |  | ※•8 | ，E． | ＂ $\boldsymbol{\Sigma} . \quad$ ， |







| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  | － |  | BAINERE E POE EPMAIOY <br> Bust of the king r．，diad． |  <br> （Māhārajasu tradatasa Herama－ yasa）．Zeus，laur．，seated l．on throne with back；his r．hand advanced；in his l．，sceptre． |
| 13 | 32－8 | A 65 |  | to r．，M． |
| 14 | $34 \cdot 5$ | R $\cdot 6$ |  | ＂$\quad$［［I．O．C．］ |
| 15 | $37 \cdot 3$ | R 65 |  | to l．， NP |
| 16 | $35 \cdot$ | AR 65 |  | ＂$M_{\text {；to r．，} \mathbb{\triangle}}$［［I．O．C．］ |
| 17 | $36 \cdot 3$ | R 6 |  | ＂＂＂＂ |
| 18 | $37 \cdot 5$ | $A \cdot 6$ |  | ＂每． |
| 19 | 50. | $\boldsymbol{A} \cdot 7$ <br> （plated） |  | ＂＂， |
|  |  |  | BAINE $\Omega \Sigma$ इ $\Omega$ TH－ Pa乏 EPMAIロY Similar type． | Similar． |
| 20 | $140 \cdot 6$ | R 1 11 |  | to l．，円；to r．，前 G． |
| 21 | 144.6 | A $1 \cdot$ |  | ｜＂姆；＂，ソ． |
| 22 | 34－9 | R $\cdot 65$ |  | tol．，風；to r．，回。 |
| 23 | $29 \cdot 4$ | R $\cdot 65$ |  | 1 可． |
| 24 | $37 \cdot 7$ | R•65 | BAINE $\Omega \Sigma \Sigma \Omega T H-$ POE EPMAIOY <br> Bust of the king r．， diad．and helmeted． | Similar． <br> to l．，ゆ．［Pl．xv．5．］ |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 25 |  | 硐 95 | （ $\beta$ ）Bronzs <br> BAEIAERE $\Sigma \Omega$ TH． Pa亡 EPMAIITY Bust of the king r．， diad． | ；roundi；with portrait． <br> マヘレヤん アフユて アソフ～～ （Maharajasa tradatasa Herama yasa）．Zeus，laur．，seated l．on throne with back；bis r．hand advanced；in his l．，sceptre． <br> to l．，畄；to r．， $\mathcal{Z}$ ． |
| 26 |  | 压 |  | ＂＂，uncertain Indian letter． ［I．O．C．Pl．xv．6．］ |
| 27 |  | ¢ $\times 95$ |  | ＂＂＂uncertain Indian Ietter． |
| 28 |  | 压 85 |  | ＂＂＂P．［I．O．C．］ |
| 29 |  | 压．95 |  | ＂＂＂uncertain Indian letter． |
| 30 |  | 扁－9 |  | ＂$\quad$ ， $\boldsymbol{\Psi}$ ．［I．O．C．］ |
| 31 |  | 压 95 |  | ＂＂$\quad$ ． |
| 32 |  | 24．05 |  | ＂＂＂＂ |
| 33 |  | 正1． |  | ＂＂$\quad$ F． |
| 34 |  | E $\cdot 95$ |  | ＂＂＂＂ |
| 35 |  | 压 95 |  | ＂$\quad$ ， $\boldsymbol{\Psi}$. |
| 36 |  | E 1． |  | ＂$\quad$ ，G．［I．o．C．］ |
| 37 |  | 尤 95 |  | ＂図；，$\sim$ 。 |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 38 |  | A $\cdot 9$ | BAINE $\Omega \Sigma \Sigma \Omega T H$－ PaE EPMAIGY Bust of the king $r$ ．， diad． | アヘレワんマクユとエソそ～レ <br> （Maharajasa tradatasa Herama－ yasa）．Zeus，laur．，seated 1．on throne with back；his r．hand advanced ；in his l．，sceptre． <br> to l．，図；to r．， 7 ． <br> ［I．O．C．］ |
| 39 |  | A•9 |  | ＂＂＂「 $\lambda$ ． |
| 40 |  | 压9 |  | ＂＂，＂ 7. |
| 41 |  | A 6 |  | to I．，禺；to r．，$\varphi$ ． |
| 42 |  | A－ 6 |  | ＂＂，＂7．［I．O．C．］ |
| 43 |  | 王 7 |  | ＂＂，＂，ॅ．［Pl．xv．7．］ |
| 44 |  | A 6 |  | ＂$\boxtimes^{\text {a }}$＂7．［L．O．C．］ |
| 45 |  | 枨 8 | （ $\gamma$ ）Bronze；round； $\mathbf{\Sigma}$ <br> BAINESE $\Sigma T H-$ Pロミ $\Sigma V$ EPMAIOY <br> Bust of the king r．，diad． | $\mathbf{V}$ inserted after $\boldsymbol{\Sigma}[\Omega] \mathbf{T H P O} \boldsymbol{\Sigma}$ ．＊ <br> アヘレれんア <br> （Maharajasa mahatasa Herama－ yasa）．Type as last，degraded． to l．，（？）；to r．，区． |
| 46 |  | 正 7 |  | ＂$\quad$＂ |
| 47 |  | 压 8 |  | ＂＂＂ |
| 48 |  | AE 75 |  | ＂＂ |
| 49 |  |  | Similar． | Inscr．various．Nike l．；holds wreath and palm． <br> inscr．アゾソฯ アゾ～～［U． to r．，区． |
| 50 |  | 压 6 | （obscure）． <br> ＊Other coins with the same on the reverse the name of $K$ seribed among the coins of Kad | ＂～～アヘフ～レ． <br> to l．，サ；to r．，区． <br> obverse inscription and type，but bearing adphises and the type of Herakles，are de－ phises I．，below． |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 51 |  | 厌 8 | （ $\delta$ ）Bronze；square；without portrait． <br> BAINE $\Omega \Sigma$ इ $\Omega$ TH POE EPMAIOY <br> Bearded male bust r．， radiate，wearing Phry－ gian cap． <br>  <br> （Māhārajasa tradatasa Herama－ yasa）．Horse r．，trotting． <br> below，$\|\boldsymbol{M}\|$ ． |  |
| 52 |  | ※ 75 |  | ＂＂ |
| 53 |  | ※ 75 |  | ，¢．［I．O．C．］ |
| 54 |  | ※ 75 |  | ＂＂， |
| 55 |  | 茞 75 |  | ＂，＂［I．O．C．Pl．xv．8．］ |
|  |  |  | HERMAEUS AND CALLIOPE． <br> （a）Silver． |  |
|  |  |  |  |  |
|  |  |  | BAINERE $\Sigma \Omega$ TH－ POE EPMAIOY KAI KAへへIOПHE Busts jugate r．of the King and Queen，both diad． <br>  <br> ヘィヘトウ <br> （Maharajasa tradatasa Heramayasa Kaliya－ paya）．King，helmeted and diad．， r．on horseback；horse prancing， bow and lance on his back． |  |
| 1 | 36.2 | A 65 |  | below， ¢ $^{\text {［Pl．xv．9．］}}$ |
| 2 | 33.2 | A $\cdot 6$ |  | \｜＂$\quad$［I．O．C．Pl．xv．10．］ |




| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 5 |  | 圧1． | （8）Bronze <br> BAINE $\Omega$ BAEI－ AESN MELAへOY MAYOY Artemis running r．，radiate，with veil floating round her head；clad in short chiton and boots． | ；round ；other types． <br> アク～ア アゾインク（Rajadi－ <br> アフッ rajasa mahatasa Moasa）．Indian humped bull 1 ． <br> to $1 ., \boldsymbol{R}$ ． <br> ［Pl．xvi．4．］ |
| 6 |  | 压 ${ }^{\text {• }}$ |  | $"$ |
| 7 |  | 圧 1 |  | ＂ $\mathbb{N}$ |
| 8 |  | 不 1.05 | Same inscr．Herakles， facing ；holds in l．，club and lion＇s skin． | $\left\lvert\, \begin{array}{lr} \text { Same inscr. } & \text { Maneless lion l. } \\ \text { to l., M. } & \text { [Pl. xvi. 5.] } \end{array}\right.$ |
| 9 |  | AE 9 | （ $\epsilon$ ）Bronze ；squa <br> BAINE $\Omega$ BAI－ AESN MERANOY MAYOY King r．on horseback；whip ovér shoulder ；r．hand ad－ vanced． | are ；type，King on horseback． |
| 10 |  | E 1. | Same inscr．King r．on horseback ；whip over shoulder；lance couchèd． | $\left\{\begin{array}{l} \begin{array}{c} \text { Same inscr. } \\ \text { and palm. } \end{array} \\ \text { Nike l. ; holds wreath } \\ \text { to l., } \\ \text { [Pl. xvi. 7.] } \end{array}\right.$ |


| No． | Wt． | Metal． Size． | Obrerse． |
| :---: | :---: | :---: | :---: |
| 11 |  | ※ 95 | （ढ）Bronze；square；other types． |
| 12 13 |  | 厌1． | Same inscr．Zeus，laur．， seated 1．on throne； holds in l．hand scep－ tre；r．extended towards small winged female figure，who seems to be an embodiment of the thunderbolt． <br> Same inscr．Female figure，facing， wearing turreted crown and hold－ ing long sceptre；holds out in r． hand her veil．（Tyche）． <br>  <br> ［Pl．xvi．9．］ |
| 14 |  | 压 $1 \cdot 1$ | Same inscr．Zeus，seated l．on throne；holds in r ． hand Nike，who carries wreath and palm；before him，forepart of ele－ phant r．，with trunk raised． <br> Same inscr．Herakles，facing ；holds in l．hand，club and lion＇s skin； with r．，crowns himself？ |
| 15 16 |  | 厌•95 ※ 9 |  |


| No． | Wt． | $\underset{\text { Metal. }}{\substack{\text { Size }}}$ | Obverse． | Rever6． |
| :---: | :---: | :---: | :---: | :---: |
| 17 |  | 茞 9 | BAINERE BAEI－ AERN MELAへOY MAYOY Posoidon striding 1．，hurling thun－ derbolt to r．，and hold－ ing in left hand aplus－ tre；beside him，river－ god，leaping up． |  （Rajadirajasa mahātasa Moasa）． Female figure，clad in chiton and himation，facing；stands between two vines．（Maenad ？）． <br> to 1．，［I．O．C．Pl．xvir．2．］ |
|  |  |  | Same inscr．Male figure l．，chlamys flying be－ hind；holds club and trident． <br> to $1 .$, 盆 | Same inscr．Female figure r．，pep－ lum flying ；holds long fillet． <br> to r．， $\boldsymbol{\Psi} \boldsymbol{G}$ ． <br> ［I．O．C．Pl．xvir．3．］ |
| 19 |  | 区 1.05 |  |  |
| 20 |  |  | Same inscr．Female figure l．；r．hand advanced； in 1．，cornucopiae． （Tyche ？）． | Same inscr．Male figure，facing；clad in himation；r．hand on hip；wears petasus，（Hermes？）． $\text { to 1., } \stackrel{\mathrm{A}}{\mathrm{~T}} .$ <br> ［Pl．xvir．4．］ |
|  |  |  | Same inscr．Elephantrun－ ning r．，holds in trunk， wreath ：in square of fillet－pattern． | Same inscr．King，facing，seated cross－legged on cushion；sword on his knees：in square of fillet－ pattern． to r., 禺. <br> ［Pl．xviI．5．］ |
| 22 |  | 建9 |  | ＂＂ |
| 23 |  | E 9 |  | ＂区． |
| 24 |  | W 8.85 |  |  |
| 25 |  | ¢ 1.05 | Similar． | $\left\lvert\, \begin{array}{lc} \text { Same inscr. } & \text { Indian humped bull r. } \\ \text { to r., 局. } & {[\text { Pl. xvIr. 6.] }} \end{array}\right.$ |


|  | Wt． | ${ }_{\text {M }}^{\text {Metal }}$ Size． | Obrerse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 玉 6 | BAEINESE MAYOY Apollo 1．；holds in $r$ hand arrow ；in 1．，bow． to $1 ., \mathrm{M}$ ． | アクソ アソケ～u（Maharajasa MOaza）．Tripod，in square of dots． <br> ［PI．xvir．7．］ |
|  |  | E 8 | Same inscr．Horse r， trotting． | Same inscr．Bow in case． $\text { to } I, \mathbb{M}$ |



| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAEINERE BAEI－ ヘESN METANÓY AZOY The king r．， on horseback；holds whip． | ア7．～u <br> アヘフ <br> （Maharajasa rajarajasa mahātasa Ayasa）．Zeus 1．；holds in r．hand，wreath－bearing Nike；in l．，long sceptre． |
| 8 | $128^{\circ}$ | A 95 | below， 77. | to l．，困；to r．， 7. |
| 9 | $146 \cdot 7$ | AR 1－1 | to $\mathrm{r}, \mathrm{Y}$ Y． | $" \Rightarrow \text { \#. }$ |
| 10 | $140^{\circ}$ | A 1－1 | ＂ 5. | $" \quad \Rightarrow \quad B .$ |
| 11 | $136 \cdot 8$ | A 1． | ＂ K. | $" \quad " \text { [I."O. C. Pl. xvir. 12.] }$ |
| 12 | $142 \cdot 3$ | A $\cdot 95$ | ＂ y ． | ＂＂＂＂ |
| 13 | 149 | AR 1－1 | ＂ 4. | ＂＂＂＂ |
| 14 | 136 | A $\cdot 9$ | - | ＂类；＂$\frac{\mathrm{X}}{\mathrm{y}}$ ． |
| 15 | $150 \cdot 4$ | A $\cdot 9$ | \％ 4. | ＂＂＂＂［I．O．C．］ |
| 16 | $128 \cdot 7$ | A $\cdot 95$ | \％ $\mathbf{3}$ ． | ＂图；＂$\frac{R}{Z}$ ． |
| 17 | 148•7 | R $\cdot 95$ | $\text { " } 7 .$ | " " " 园. |
| 18 | 149. | A． 9 | $\Rightarrow \mathrm{F}$ | $" M ; " \frac{R}{4}$ |
| 19 | $147 \cdot 7$ | $\boldsymbol{A} \cdot 95$ | ＂ $\boldsymbol{P}$ P． | ＂＂＂$\quad$［I．O．C．］ |
| 20 | 147 | R $\cdot 95$ | $" \not y .$ | $" \text { 电; "mon. }$ |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAEINE $\Omega \Sigma$ BAEI－ AESN MEГAへOY AZOY The king r．， on horseback；holds whip． |  <br> アヘフ <br> （Maharajasa <br> rajarajasa mahātasa Ayasa）．Zeus l．；holds in r．hand，wreath－bearing Nike ；in l．，long sceptre． |
| 21 | 32.9 | A $\cdot 6$ | to r．， $\boldsymbol{\Psi}$ ． | $\text { to l., } \frac{\boldsymbol{\gamma}}{\boldsymbol{Y}} \text {; to r., } \frac{\Sigma}{\eta}$ |
| 22 | 28.5 | A $\cdot 6$ | ＂＂ | ＂＂＂＂ |
| 23 | 33.3 | A $\cdot 55$ | ＂ | ，${ }^{\text {P }}$（ ；，Y |
| 24 | 34．8 | $\boldsymbol{R} \cdot 6$ | ，3 | ＂＂＂［I．＂O．C．Pl．xvir．13．］ |
| 25 | 30. | A 6 | ， $\boldsymbol{\gamma}$ ．（inverted）． | $" \mathbb{N} ; "$ |
| 26 | 36.5 | $\boldsymbol{R} \cdot 6$ | \％$y$ ． | ＂＂，＂ |
| 27 | 37. | $\boldsymbol{A} \cdot 6$ | ＂$\quad$ | ＂＂＂＂ |
| 28 | $35 \cdot 6$ | $\boldsymbol{A} \cdot 6$ | ＂ 7. | ＂＂$\quad$ ， |
| 29 | 36．8 | R $\cdot 6$ | \％ 8. | ＂＂，や． |
| 30 | 33.5 | $\boldsymbol{R} \cdot 55$ | ＂ 3. | ＂ $\boldsymbol{H}$ ；＂uncertain letter． |
| 31 | $27 \cdot 4$ | A $\cdot 6$ | ：거． | ＂，＂，\＆．［I．O．C．］ |
| 32 | $33 \cdot 9$ | A＇6 | ，＇3． | ＂ |
| 33 | $34 \cdot$ | R 65 | ＂ 7. | ＂委；＂mon．z． |
| 34 | $30 \cdot 5$ | A $\cdot 6$ | ，＂ | ＂＂，＂$\quad$ ，［I．O．C．］ |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reveree． |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAINE $\Omega$ BAEI－ AESN METANOY AZOY The king r．， on horseback ；holds whip． |  <br> アヘ7 <br> （Maharajasa rajarajasa mahātasa Ayasa）．Zeus 1．；holds in r．hand，wreath－bearing Nike；in l．，long sceptre． |  |  |  |  |  |
| 35 | $31 \cdot$ | A 65 | to r．， $\boldsymbol{\Psi}$ |  |  |  |  |  |  |
| 36 | $36 \cdot 4$ | AR 6 | ＂ 7 ． | ＂ | ＂ | ＂ | ＂ | ＂ |  |
| 37 | $36 \cdot 2$ | R 6 | ＂ 7. |  | ＂ | ＂ |  |  |  |
| 38 | 37.2 | A $\cdot 6$ | ＂ $\mathbf{K}$ |  | ＂ | ＂ | A | 4. |  |
| 39 | 32.9 | A 6 | ， 2 |  | ＂ | ＂ | ＂ | ＂ |  |
| 40 | $35 \cdot 8$ | A $\cdot 6$ | ＂ 7 ． | ＂ | ＂ | ＂ | 0 | ＂ |  |
| 41 | 30.2 | A $\cdot 5$ | ＂ 2. | ＂ | ＂ | ， | ＂ | 8 | ［I．O．C |
| 42 | 31. | A $\cdot 55$ | ＂Y ． | ＂ | ＂ | ＂ | $\begin{gathered} \Delta \\ \mathbf{M} \\ 7 \end{gathered}$ |  | " |
| 43 | 33. | R 6 | ＂$欠$. | ＂ | ＂ | ＂ | R | 4. |  |
| 44 | 28.7 | A． 6 | ＂$Z$ | ＂ | ＂ | ＂ | ＂ |  |  |
| 45 | 226 | $\boldsymbol{R} \cdot 6$ | ＂ | ＂ | ＂ | ＂ | ＂ | ＂ |  |
| 46 | $35 \cdot 3$ | R 6 | ，y | ＂ | ＂ | ＂ | ＂ | そ |  |
| 47 | 35－2 | A $\cdot 6$ | ＂ 7 ． | ＂ | ＂ | ＂ | ＂ | $y$ |  |
| 48 | $37 \cdot 2$ | A 6 | $\because N$ |  |  |  |  | ＂ | ［I．O．C．］ |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAINE $\Omega$ BAEI－ AESN MERANOY AZOY The king r．， on horseback；holds whip． | ア ৭．～u アヘ7 <br> （Maharajasa rajarajasa mahātasa Ayasa）．Zeus l．；holds in r．hand，wreath－bearing Nike；in l．，long sceptre． |
| 49 | 32. | A 555 | to r．， $\boldsymbol{7}$ ． | to l．，乐；to r．， 3. |
| 50 | $34 \cdot 8$ | A 55 | \％ $\boldsymbol{\Psi}$ ． | ＂＂＂ 7. |
| 51 | $35 \cdot 5$ | R $\cdot 55$ | ＂uncertain letter． | $" . " \quad \begin{gathered} \boldsymbol{\epsilon} . \\ \boldsymbol{y} \end{gathered}$ |
| 52 | 34．3 | A $\cdot 55$ | ＂＂ | ＂＂＂＂ |
| 53 | 27.5 | $\boldsymbol{R} \cdot 6$ | \％${ }^{\prime}$ ． | ＂＂＂，7．［I．O．C．］ |
| 54 <br>  <br>  <br>  <br> 55 | 32. | $\boldsymbol{R} \cdot 6$ | ＂ 7 \％ | ＂＂，＂，＂ |
|  |  |  | ［Most of the above coins execation．In nos． 16 an | s are of base metal and very rude and 46 the inscr．reads rajadirajasa］． |
|  |  |  | （ $\beta$ ）Silv | er ；type，Poseidon． |
|  |  |  | BAINE $\Omega$ <br> BAI－ ＾ESN MEГAへOY AZOY King r．，on horseback ；holds whip． | アク．～ <br> アヘ7 <br> （Maharajasa rajarajasa mahātasa Ayasa）．Po－ seidon r．；holds in l．hand，trident． |
|  | 138 | A 95 | to r．，为． | torl．，粂；to r．，寿．［Pl．xvin．1．］ |




| No． | Wt． | $\begin{gathered} \text { Metal. } \\ \text { Size. } \end{gathered}$ | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAEINESE BAEI－ АE AZOY King r．，on horseback；holds whip． | ア ヶ～～ <br> アヘ7 <br> （Maharajasa <br> r－ajarajasa mahātasa Ayasa）．Pal－ <br> las，facing ；holds in l．hand，spear |
| 83 | 30．6 | A．55 | to r．，letter． | to l．，滑；to r．，区． |
| 84 | $35 \cdot 3$ | A 65 | $\cdots$＂ | ＂7；不。 |
| 85 | 33.6 | R 65 | ＂＂ | ＂＂＂＂ |
| 86 | 36.8 | R． 65 | ＂ $\boldsymbol{\varphi}$ ． | ＂＂＂＂ |
|  |  |  | Similar． | Same inscr．Pallas，standing l．；r． hand advanced；in l．，shield． |
| 87 | $34 \cdot 1$ | A． 7 | to $\mathrm{r} ., 7$. | to 1．，7；to r．，不． |
| 88 | 36.6 | A． 6 | ＂ 7. | ＂＂，人：［Pl．xvm．6．］ |
|  |  |  | Similar． | Same inscr．Pallas，facing；holds in r．hand，spear ；shield slung over back． |
| 89 | 33.6 | $R \cdot 6$ | to r．，7． | to l．，眘；to r．，市．［Pl．xvin．7．］ |


| No． | Wt． | $\left\lvert\, \begin{gathered} \text { Metal. } \\ \text { Size. } \end{gathered}\right.$ | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAINESE BAEI－ AESN MEГAへロY AZaV King r．，on horseback；holds whip． |  Pへフ <br> （Maharajasa <br> rajarajasa mahatasa Ayasa）．Pal－ las r．；her r．hand advanced；in her l．，spear and shield． |
| 90 | $144 \cdot 8$ | AR 95 | to r．，＞． | to l．，$\overline{\text { S }}$ ；to r． ，本．［Pl．xvini．8．］ |
| 91 | 146.7 | R $\cdot 95$ | ＂ 7 ． | $" \text { 雨; " }$ |
| 92 | 140．5 | A 95 | ， 4. | ＂单；＂＞． |
| 93 | $146 \cdot 7$ | R $\cdot 95$ | ＂ | $" \quad " \quad \stackrel{N B 1 .}{\text { (inscr. rajadirajasa). }}$ |
| 94 | $130 \cdot 5$ | R 1. | $\because 7$. | ＂$\Phi$ 园；＂离 |
| 95 | 123.8 | A1．05 | ＂ 7 ． | ＂首；＂号 |
| 96 | $140 \cdot 2$ | A 1. | ， F ． | $" \text { A } \boldsymbol{S} ; " \underset{\text { (inscr. rajadirajasa). }}{\text { [I. } \mathrm{C} .]}$ |
| 97 | 147.8 | A 95 | ，类 | ＂，\＃カ；牷（．［I．O．C．］ |
| 98 | $143 \cdot 5$ | R． 95 | ＂$\square^{\text {b }}$ | ＂＂＂＂ |
| 99 | $142 \cdot 8$ | A 95 | ＂ 8. | ＂＂＂＂＂ |
| 100 | $147 \cdot 3$ | R $\cdot 95$ | ，7；below，uncertain letter． | $\text { " Y甘; " } \xlongequal[\text { (inscr. rajadirajasa). }]{\text { (R. }}$ |
| 101 | 147. | $\boldsymbol{A} \cdot 95$ | ＂＂ | ＂＂＂＂ |
| 102 | $152 \cdot 9$ | A $\cdot 9$ | ＂＂ | ＂＂＂＂ |
| 103 | $141 \cdot 4$ | $\boldsymbol{R} \cdot 85$ | ，另． | ＂＂ $\boldsymbol{T} ; \geqslant \quad$＂ |
| 104 | 118.7 | A 9 | ＂ 3. | ＂＂＂＂ |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAEINERE BAEI－ ヘESN MEГANロY AZaV King r．，on horseback ；holds whip． |  アヘ7 <br> （Maharajasa rajarajasa malıatasa Ayasa）．Pal－ las r．；her r．hand advanced ；in her l．，spear and shicld． |
| 105 | $37 \cdot 6$ | ／R $6^{\prime}$ | to $\mathrm{r}, \mathrm{4}$ ， | to l．，区；to r．，界． |
| 106 | $36 \cdot 7$ | R． 65 | ＂ 7 ． | ＂＂＂ |
| 107 | $35 \cdot 6$ | A 65 |  | ＂＂＂＂［Pl．xvili．9．］ |
| 108 | $28 \cdot 5$ | A $\cdot 6$ | \％uncertain letter． | ＂眘；＂¢ें．［I．O．C．］ |
|  |  |  | （8）S | lver ；type，City？ |
|  |  |  | BAINERE BAEI－ AESN MERANOY AZOY King r．，on horseback ；holds lance， couched． |  <br> アヘフ <br> （Maharajasa <br> rajarajasa mahatasa Ayasa）．A City？1．；holds in r．hand，object resembling a brazier；in l．，palm bound with fillet． |
| 109 | $136 \cdot 5$ | R1．05 | to r．，z ． | to l．，牶；to r．，才＞．［Pl．xviII．10．］ |
| 110 | 143. | R1． | ＂ $\mathbf{P}$ ． | ＂＂，＂ |
| 111 | $34 \cdot 3$ | A 7 |  |  |





| No． | Wt． | Metal． Size． | Obveree． | Reveree． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAINERE BAEI－ ヘE』N MEГAへロY AZロY Humped In－ dian bull r ． | アケ～ $\boldsymbol{7}$ へ <br> （Maharajasa rajadirajasa mahatasa Ayasa）． Lion r ． |
| 140 |  | ※1．1 | above，遂． | above，收． |
| 141 |  | E 1. | ＂ | ，「7． |
| 142 |  | （ $1 \cdot 1$ | ＂ $\mathbb{P}$ ；to r．， 77 | ，［B］ |
| 143 |  | E 1.05 | ＂因；＂ | $, \quad \text { 老。 }$ |
| 144 |  | E 1.05 | ，＂，7 | ＂＂ |
| 145 |  | 压 1 | ＂＂，＂†． | ＂＂ |
| 146 |  | ※ 1．1 | ＂，＂ 77 | ，If． |
| 147 |  | ※ 95 | ＂＂ | ，老．［I．O．C．］ |
| 148 |  | 厌 1 |  | ＂褲。 |
| 149 |  | E1．1 | ，区． | ，帐。 |
| 150 |  | 压1．2 | ＂＂＂ 7. | ＂＂ |
| 151 |  | 屈1•1 | ＂区；＂＂ | ＂耏 |
| 152 |  | E1．2 | ＂ $\boldsymbol{\Delta} ;$ ，\＃． | ＂所．［Pl．xix．6．］ |
| 153 |  | 尤 $1 \cdot 1$ | ＂＂†． | ＂ 4 ． |
| 154 |  | AE．85 | ，$\vec{M}$ | ＂田 |
| 155 |  | 厌 85 | $\underset{\text { (inscription barbarous). }}{\text { \#; }}$ | to $\mathrm{r}, 7$. |
| 156 |  | I 8 | ，［ B $^{\text {］}}$ | ｜above，卉．［I．O．C．］ |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverses． |
| :---: | :---: | :---: | :---: | :---: |
| 157 |  | ¢ $1 \cdot$ | （к）Bronze ；types，elephant and bull． |  |
|  |  |  | BAINERE BAEI－ へERN METAへロY AZロY Elephantr． |  <br> アヘ1 <br> （Maharajasa <br> rajadirajasa mahatasa Ayasa）． Humped bull r． |
|  |  |  | above，A． | above，uncertain letter． |
| 158 |  | 平 95 | ＂＂ | ＂ |
| 159 |  | 压1． | ＂內． | ＂A 7．（inscr．rajarajasa）． |
| 160 |  | 压1．05 | ＂ 7. | ＂＂＂［I．O．C．＂Pl．xrx．7．］ |
| 161 |  | 压 1. | ， 7 ． |  |
| 162 |  | 压1． | ＂ 7. | ＂＂＂＂［I．O．C．］ |
| 163 |  | ¢ $\times 95$ | ＂＂ | ＂ 20. |
| 164 |  | ※ 1－1 | ＂内． | ＂＂＂＂ |
| 165 |  | E1．05 | ＂ 7. | ＂＂＂＂ |
| 166 |  | 原 1.05 | ＂＂ | ＂$\quad$ 広． |
| 167 |  | 退1．05 | ＂＂ | ＂＂畐．＂ |
| 168 |  | 世 1.05 |  | ＂\＃ |
| 169 |  | 压 75 | （inscriptions obscure）． | ［I．O．C．］ |
|  |  |  | $\begin{gathered} {[\text { In several of the above }} \\ \text { appears as } \mathbf{A O Z Y}, \end{gathered}$ | coins the king＇s name is misspelt，and AOZZY，AZOY，and so forth．］ |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 170 |  | 压 95 | （ $\lambda$ ）Bronze；square；type，King on horseback． <br> BAEIAESE BAEI－ \ESN MELAへロY AZロY The king r．， on horseback；holds in r．hand，lance，couched． <br> ア <br> アヘフ <br> （Maharajasa rajarajasa mahatasa Ayasa）． Humped bull r． <br> above，厷 7 。 |  |
| 171 |  |  |  | ＂＂＂（restruck）． |
| 172 |  | 压 1 |  | ＂$\quad$ Ph．［I．O．C．Pl．xix．8．］ |
| 173 |  | A 95 |  | ，园；tor．，Z． |
| 174 |  | 居 1 | （inscr．barbarous）． | ＂＂ |
| 175 |  | $A \mathrm{C} \cdot 9$ | to r．，B． |  |
| 176 |  | E 85 | ＂＂ | ＂，＂ 7 |
| 177 |  | E 1－ |  | ＂$\quad 7$. |
|  |  |  | （ $\mu$ ）Bronze ；squ <br> BAINE $\Omega \Sigma$ BAI－ AESN METANOY AZOY King r．，seated on camel ；holds whip． | are ；type，King on camel． <br> アヘフ <br> （Maharajasa rajarajasa nıahatasa Ayasa）． Humped bull r． |
| 178 |  | E $1 \cdot$ |  | to r．，区． |
| 179 |  | E1＊ |  | ＂＂［I．O．C．］ |
| 180 |  | A 85 |  | ［Pl．xIx．9．］ |



| No． | Wt． | $\begin{array}{\|c} \text { Metal. } \\ \text { Size. } \end{array}$ | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 188 |  | N 1－1 | BAINERE BAEI－ AESN MELAへOY AZOY Elephantr． <br> above， 7. | アท～ アヘフ <br> （Maharajasa rajarajasa mahatasa Ayasa）． Humped bull r． <br> to r．， $\mathcal{M}$ ． |
|  |  |  | ВАГIへEתइ МЕГА－ AOY AZOY phant r． <br> アヘワ アケ～レ アソケ～u <br> （Maharajasa mahatasa Ayasa）． Humped bull r． |  |
| 190 |  | ※ 65 | BAIANE』इB］AIINE תNMEГAへOYA［ <br> Lion r． <br> abnve， $\boldsymbol{\tau}$. | アヘフ ．．．．．シマ～レ （Maharaja ．．．．．Ayasa）． Humped bull 1 ． <br> above，$\&$ ． <br> ［I．O．C．］ |
|  |  |  | （o）Billon； <br> Corrupt legend．King r．， on horseback；holds in r．hand ankus（？）；before lim，symbol＇$Y^{\prime}$ ．＊ | semi－barbarous coinage． <br> アわせる アケ～U アУ乌～レ アヘフ アソヤカゾ <br> （Maharajasa mahatasa dhrami－ Kasa rajadirajasa Ayasa）．City 1．，turreted，and clad in chiton and peplum ；r．hand advanced； in 1．，cornucopiae． |
| 191 | $145 \cdot 4$ | $R \cdot 85$ |  |  |
| 192 | 141． | A $\cdot 8$ |  | ＂＂＂＂ |
| 193 | $142 \cdot 2$ | R $\cdot 8$ |  | ＂＂＂＂， |
|  |  |  | ＊On most of these coins thel in the obverse field which are they are not mere hlunders． | re is an appearaneo of varions Indian letters not bere inserted，it being donbtful whether |


| No． | Wt． | $\begin{aligned} & \text { Metal. } \\ & \text { Size. } \end{aligned}$ | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Corrupt legend．King r．， on horseback ；holds in r．hand ankus（？）；before him，symbol | アわれる ア アヘフ アУレタソ <br> （Maharajasa mahatasa dhrami－ hasa rajadirajasa Ayasa）．City 1．，turreted，and clad in chiton and peplum；r．hand advanced： in 1．，cornucopiae． |
| 194 | $145 \cdot 9$ | R $\cdot 85$ |  | to 1．，リ；to r．，䋞 |
| 195 | 131.5 | A $\cdot 8$ |  | ＂＂＂＂ |
| 196 | 1482 | AR 85 |  | $" \quad$ ， |
| 197 | 144. | $\boldsymbol{R} \cdot 75$ |  | ＂＂＂＂ |
| 198 | $148 \cdot 5$ | A 85 |  | ＂＂＂＂ |
| 199 | $142 \cdot 8$ | R $\cdot 8$ |  | ＂＂＂，＂ |
|  |  |  | （ $\pi$ ）Billon；w | with name of Aspavarma． |
|  |  |  | BAINE $\Omega \Sigma$ BAEI－ AESN METANaY AZロY King r．，on horseback；holds ankus； behind him，bow on sad－ dle；beneath，بֻ． | アオファク アとん オフても ア৭ヘУ アエソも <br> （Indravarma putrasa Aspavarma－ sa strategasa jayatasa）．Pallas r．， armed ；her r．hand advanced ；in her l．，spear and shield ；behind， star and Y\％． |
| 200 | $157 \cdot 3$ | R $\cdot 85$ | to r．，$\varnothing$ ． | to r．，$\stackrel{\uparrow}{ }$ ；to l．，uncertain letter． <br> ［Pl．xx．2．］ |
| 201 | $140 \cdot 3$ | R 8 |  | ＂＂＂＇3 |
| 202 | 150.9 | A 8 | ＂＂ | $", \quad, T$ |
| 203 | 156.9 | $A R \cdot 8$ | ＂＂ | ＂，＂，＞1． |
| 204 | －146•8 | $R \cdot 8$ | ＂＂ | ＂＂，\％． |
| 205 | $148 \cdot 3$ | R 8 | ＂＂ | ＂＂＂＂ |
| 206 | $130 \cdot 5$ | R 8 |  | ＂＂＂ $\boldsymbol{Y}$ ． |













| No. | Wt. | Metal. Size. | Obverse. | Reverse. |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 144-2 | A $\cdot 9$ | GONDOPHARES. <br> (a) Base silver; type, Zeus. <br> ( $\beta$ ) Base silver; type, Pallas. <br> * Devatrāta, protected by the Gods. This word has been read by Gen. Cunningham Devahada, as a rendering of $\theta \in \delta$ 伿o |  |
| 2 | $136 \cdot 5$ | A 95 |  |  |
| 3 | 142. | A $\cdot 95$ |  |  |
| 4 | 143. | A $\cdot 9$ |  |  |
|  |  |  |  |  |
| 5 | $37 \cdot 6$ | $\boldsymbol{R} \cdot 45$ |  |  |
| 6 | 38.5 | A $\cdot 45$ |  |  |
| 7 | $40 \cdot 6$ | R. 5 |  |  |
|  |  |  |  |  |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 8 | $146 \cdot 2$ | A 95 | BACINEWC BACI－ ヘEWN MEГA＾OY VN $\triangle O \phi \in P P O Y$ <br> The king l．，on horse－ back；r．hand raised； behind him，Nike flying l．，holding wreath and palm；to l．，호． | silver ；type，Siva． <br> ט ט～ <br>  <br> （Maharajasa rajarajasa tradatasa devatratasa Gudapharasa）．Siva， facing；holds in r．hand，trident； in 1．，palm． <br> to l．， $\boldsymbol{6}$ ；to r．， $\boldsymbol{\mathcal { J }}$ ．［PI．xxir．8．］ $\%$ |
| 9 | $137 \cdot 4$ | A 95 | below，产． <br> BAINEWN BAI－ АЕШИ ГवИロロ中А－「口Y The king r．，on horseback；holds ankus in extended r．hand；to r．，点． | $" "(\Lambda \text { for } " \unlhd \text { in inscr. }) \text { [I. O. C.] }$ <br> טר～ <br> （Maharaja rajaraja mahatasa ．． devatrata Gudapharasa）．Siva， facing ；r．extended ；in I．，trident． |
| 10 | $145 \cdot 8$ | AR． 95 | below， 5 ． | to l．，；to r．，mon． <br> ［I．O．C．Pl．xxir．9．］ |
| 11 | $146 \cdot 7$ | R $\cdot 9$ |  |  |
| $\begin{array}{r} + \\ 12 \end{array}$ | $108 \cdot 5$ | A $\cdot 85$ | （8）Base <br> BA CINE <br> The king，diad．，seated l．on throne with back； on the top of which 호 호 ；r．hand raised． <br> ＊The miesing letters look lik <br> + This coin，as well as som wholly or almost wholly made of cates that it was intended to p period． | silver ；type，Nike． <br> A $\cap O V V N \triangle O \Phi \quad$ Nike r．； holds wreath and palm． <br> to I．，र̌ ；to r．，Ф．［PI．xxir．10．］ <br> ${ }^{2}$ Ч母 $_{\text {mita（for mitra？}}$ ）． <br> of thoee which precede it，is apparently copper；but the nature of the typee indi－ pass among the debased silver coins of the |


| No． | wt． | Metal． Size． | Obvers． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | （є）Copper ；type，Nike． <br> BACINE $[$ ᄃ $\Omega$ TH－ PaC YNAD中EP－ PロV Bust of the king r．，diad． <br> （Mahar <br> （Masa） （Marajasa Gudaphanasa trada－ tasa）．Nike r．；holds wreath and palm． |  |
| 13 |  | ※ 9 |  |  |
| 14 |  | 压 1 |  | ， |
| 15 |  | E 95 |  |  |
| 16 |  | E $\cdot 95$ |  |  |
| 17 |  | 届 85 | （ $\omega$ for $\Omega$ in inscr．）． |  |
| 18 |  | 石 95 |  |  |
| 19 |  | 黑 9 |  |  |
| 20 |  | 菟9 |  |  |
| 21 |  |  | （inscr．begins BACIN－ EON） | [I. O. C. PI, xxil. 11.] |
|  |  |  | （5） | Bronze ；square． |
|  |  |  | 中AГロV EГANaV「口N $\Delta A$ sic．King 1．，on horseback；re－ ceived by Nike，who holds wreath． |  <br>  （．．．．．dhamikasa apratihatasa devatratasa（devahadasa）Gada－ phٌarasa）．̧． |
| 22 |  | E 85 |  | $\text { to l., } \mathcal{Y} \text {; to r., } \boldsymbol{B}$ <br> ［I．O．C．Pl．xxin．12．］ |




| No． | Wt． | Metal． Sizs． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BA乏INEYロNTロミ BA乏INEWNI AB－ $\triangle A \Gamma A 乏 \square Y$ （The BA of Abdagases＇name read sometimes as the first letters of $\mathbf{B A} \boldsymbol{\Sigma} \boldsymbol{1}$－ EYONTロミ；the let－ ter which follows BA－ SIAESN is uncertain ［ I or $₹$ l $]$ ）．The king 1．， on horseback；in front， 호． |  アП甲G7ノ アク「と <br> （Gadapharabhradaputrasa maha－ rajasa tradatasa Avadagaṣasa）． Zeus，standing r．；holds sceptre； r．hand advanced． |
| 8 | $149 \cdot 5$ | A 85 |  | ［I．O．C．］ |
| 9 | $149 \cdot 2$ | A $\cdot 85$ | to $1 ., h$ ． | ＂＂，B ；＂，＂， |
| 10 | $146 \cdot 4$ | $\boldsymbol{A} \cdot 8$ | ， 7 | ＂冞＂＂＂，＂ |
| 11 | $142 \cdot 5$ | A $\cdot 9$ | ＂ 4 | ＂＂＂＂＂＂ |
| 12 | $158 \cdot 5$ | A $\cdot 85$ | ＂ 9. | ＂＂＂＂＂＂ |
| 13 | $142 \cdot 4$ | A． 95 | type r ． | ＂，＂「 7. |
| 14 | $150 \cdot 2$ | A 95 | ＂ | $" \quad \Rightarrow \quad ; \text { G. } \quad\left[\begin{array}{llll}  & \text { I. C.] } \end{array}\right.$ |
| 15 | $124 \cdot 4$ | A． 85 | ＂ | ＂＂，\％ |
| 16 | $121 \cdot 5$ | A $\cdot 85$ | inser．ГV7NDIфEPOA－ $\Delta E \wedge \Phi 1[\Delta E \omega[$ | ＂单；＂A $⿻$（ <br> ［Pl．xxini．3．］ |








| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 10 |  | 小 $\times 85$ | Bust of the king r．，diad． and radiate ；hand holds lance，bound with fillet ； behind，㞤． | BALIAEVE BACIAEVWN ГШTHP MEГAL（frequently blundered）．The king r．，on horse－ back，diad．；holds ankus？to r．，岃． |
| 11 |  | 压 75 |  | （inser．ends BALI＾EWNLШTH）． |
| 12 |  | 在 8 |  | （inser．barbarous）．［I．O．C．］ |
|  |  |  | Similar． | BALIAEVE BALINEVWN ［山THP M Similar． |
| 13 |  | ※ 55 |  |  |
| 14 |  | 世 55 |  |  |
| 15 |  |  |  |  |
| 16 |  |  |  |  |
| 17 |  | A． 5 |  |  |
| 18 |  | 压 55 |  |  |
| 19 |  | 压 6 |  | ［I．O．C．Pl．xxiv．4．］ |
| 20 |  | ※ 5 |  |  |
| 21 |  | E 5 |  | ［I．O．C．］ |
| 22 |  | ※ $5 \cdot 55$ |  | （inscr．barbarous）． |




| No. | Wt. | Metal. <br> Size. | Obverse. | Reverse. |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Barbarous imitation further degraded. | Barbarous imitation. |
| 14 | $34 \cdot 4$ | A $\cdot 55$ |  | [I. O. C.] |
| 15 | 19. | A 5 |  |  |
| 16 | $17 \cdot 6$ | AR 55 |  |  |
| 17 | 12.3 | R $\cdot 5$ |  |  |
| 18 | 10 | A $\cdot 55$ |  |  |
| 19 | 13.8 | A $\cdot 45$ |  |  |
| 20 | $10 \cdot 1$ | $\boldsymbol{R} \cdot 4$ |  | [P1. xxiv. 11.] |
|  |  |  | VPKWD Bust of the king r., diad. | lver ; type, horse. <br> VPKWD Forepart of bridled horse <br> r. |
| 21 | 23.3 | A 55 |  |  |
| 22 | 23.8 | A $\cdot 5$ |  | [PI. xxiv. 12.] |
| 23 | $22 \cdot 5$ | A $\cdot 5$ |  |  |
| 24 | $14^{\circ}$ | $\boldsymbol{A} \cdot 45$ |  | [I. O. C.] |
| 25 | 10.8 | A $\cdot 5$ |  |  |
| 26 | 14.2 | A $\cdot 45$ |  |  |
| 27 | 14. | $A \cdot 5$ | (barbarous legend). | (barbarous legend). [Pl. xxiv. 13.] |
| 28 | 11.6 | A 5 | " | " |




| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | BAINE $\Omega \Sigma$ <br> इTH－ PaI $\Sigma V$ EPMAIOV （often corrupted）．Bust of Hermaeus r．，diad． | アソフヘムTゐ アアわनУゐ <br> アCサーシ［J 3］（Kujula－ <br> kasasa kushana yavu（？）gasa dhra－ （dha）mathidasa）．Herakles，facing， diad．；holds in r．hand，club；in l．， lion＇s skin． |
| 11 |  | A $\cdot 9$ | lower line of inser． ZAEDV |  |
| 12 |  | 圧 9 | inscr．retrograde． | inscr．varied．［Pl．xxv．2．］ |
| 13 |  | 压•9 | inscr．retrograde and bar－ barous． | ＇＂ |
| 14 |  |  | twice struck． | inscr．varied ；in field， 3 ． |
| 15 |  | 无 8 | degraded copy． | degraded copy． |
| 16 |  | 压 75 | ＂ |  |
| 17 |  | W 885 | $"$ |  |
| 18 |  | A 7 | ＂ |  |
| 19 |  | E $\cdot 7$ | ＂ |  |
| 20 |  |  | ＂ |  |
| 21 |  | 蘅 6 | ＂ |  |



| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 1 |  | E $\cdot 8$ | （a）Bronze； <br> XOPANCY ZAOOY＊ KOZOAA KADA－ ФEL Head of the king r．，diad．（closely resembling that of Au － gustus）． | ADAPHES． <br> type of rev．，king seated． <br> ア『ゥ नへス マクコヘ PGTS <br> アフサンそそ「（Khushanasa yauasa kuyula kaphsasa sacha－ dhramathidasa）．The king seated r．on seat like curule chair；his r． hand extended；in field l．，冬． <br> ［Pl．xxv．5．］ |
| 2 |  | 玉 7 |  |  |
| 3 |  | E $\cdot 7$ |  | － |
| 4 |  | ※ $\cdot 7$ |  | ［I．O．C．］ |
| 5 |  | $\mathbb{E} \cdot 7$ |  | ［I．O．C．］ |
| 6 |  | $\mathbb{E} \cdot 7$ |  | ［I．O．C．］ |
| 7 |  | AE $\cdot 75$ |  |  |
| 8 |  | 尤 7 |  | to r．，Z．［I．O．C．］ |
| 9 |  | ※ $\cdot 7$ |  | ＂＂ |
| 10 |  | A 7 |  | ＂＂ |
| 11 |  | 压 65 | barbarous inscr．；head 1. <br> ＊The first $O$ in ZAOOY <br> shewn by the corresponding Sa | barbarous．［I．O．C．］ <br> has been read as a $\boldsymbol{O}$ ；but wrongly，as is nskrit form yauasa． |



| No． | wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 4 | 123．2 | A $\cdot 75$ | BACIAEYCOOH MO－ KADФICHC Simi－ lar，king wears diadem， but not helmet． |  <br>  <br>  rajasa rajadirajasa，sarvaloga is－ varasa mahișurasa himakapisasa tradata），last letters obscure．Siva facing，wears headdress and dra－ pery over shoulder；holds trident in $r$ ．hand；behind him bull r． to l．，Y．Y． <br> ［I．O．C．Pl．xxv．8．］ |
| 5 | $120^{\circ}$ | N $\cdot 7$ | Similar． | Same inscr．（last letters obscure）． Siva facing，head l．；holds in r． hand，trident and battle－axe com－ bined；in l．，gourd ；tiger－skin on l．arm ；hair arranged in spiral form ；to l．，憂；to r．，फ़． $[\mathrm{I} . \mathrm{O} . \mathrm{C} .]$ |
| 6 | 122. | A 75 | Same inscr．Upper part of the king l．，emerging from clouds，wears dia－ dem and helmet sur－ mounted by trident； holds in r．hand，club； in 1．，elephant－goad ；to r．，岁． | Similar． <br> ［I．O．C．Pl．xxv．9．］ |
| 7 | $121 \cdot 2$ | A $\cdot 7$ | Same inscr．Upper part of the king r．，emerging from clouds，wears dia－ dem and lelmet sur－ mounted by trident； holds in r．hand，club； | Similar． |
| 8 9 | $\begin{aligned} & 121 \cdot 2 \\ & 122 \cdot 4 \end{aligned}$ | $\left\lvert\, \begin{aligned} & \text { N } \cdot 85 \\ & N \cdot 8\end{aligned}\right.$ | to l．，欠＇s | ［I．O．C．］ |




| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 27 | ， | 圧 85 | BACIAEVC BACI－ <br> $\begin{array}{ll}\text { MEWN } & \text { CWTHP } \\ \text { MGГAC OOHMO }\end{array}$ KA $\triangle$ IICHC The king l．，sacrificing at altar ；to l．，trident and axe combined；to r．，club and 岑。 |  <br>  <br>  rajasa rajadirajasa，sarvaloga is－ varasa mahisvarasa himakapisasa tradata）．Siva facing，holding trident；drapery hanging at his back ；behind him，bull ；to l．，！．Y <br> ［Pl．xxv．13．］ |
| 28 |  | 压 65 |  | ［I．O．C．Pl．xxv．14．］ |
| 29 |  | 压 75 |  | ［I．O．C．］ |
| 30 |  | E $\cdot 7$ |  | ＂ |
| 31 |  | 正 $\cdot 75$ |  |  |
| 32 |  | 圧 7 |  |  |
| 33 |  | A 7 |  |  |
| 34 |  | E 7 |  |  |
| 35 |  | 尼 7 |  | in place of inscr．，fillet－border． |



| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | （ $\gamma$ ）Gold ；inscription，PAONANO \＆c． <br> PAONANOPAOKA NhPKIKOPANO The king standing $1 .$, wearing helmet and dia－ dem，clad in coat and trousers，and cloak； flames rise from his shoulders；he holds in r．hand elephant－goad over altar；in his 1. ， spear；sword at his waist． <br> A $\Theta$ PO Bearded deity，fire－god， $1 .$, diad．，clad in chiton and hima－ tion；holds in r．hand，wreath； in l．，which rests on hip，tongs； to l．，容． <br> ［Pl．xxve．4．］ |  |
| 10 | 122.8 | N 8 |  |  |
| 11 12 | 121.9 27.7 | A $\cdot 75$ $N \cdot 5$ |  | ［I．O．C．Pl．xxvi．5．］ |
| 13 | $122 \cdot 8$ | N $\cdot 8$ | Similar． | AP $\triangle$ OXPO Female figure r．，wear－ ing modius and nimbate，clad in chiton and himation ；holds cornu－ copiae ；to r．，㒸． <br> ［Pl．xxvi．6．］ |
| 14 | $120 \cdot 2$ | A $\cdot 7$ | Similar． | АРОOACПO Bearded deity r．， cliad．，clad in sleeved tunic；holds in r．hand，wreath ；beside him，horse r．，saddled，trotting ；to l．，岗． ［Pl．xxvi．7．］ |
| 15 | 122． | A $\cdot 75$ | （same die） | （same die）．［I．O．C．］ |
| 16 | 109．2 | $N \cdot 8$ | Similar． | BO $\Delta \Delta$ O Buddha，facing，nimbate， clad in chiton and himation；$r$ ． hand advanced；in l．，wallet； to r．，岂。 <br> ［I．O．C．Pl．xxvi．8．］ |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 17 | 1219 | A 75 | PAONANOPAOKA NHPKIKOPANO The king standing 1. ， wearing holmet and dia－ dem，clad in coat and trousers，and cloak； flames rise from his shoulders；he holds in r．hand elephant－goad over altar；in his l．， spear；sword at his waist． | MAO Male deity（moon－god）l．， diad．，clad in chiton and himation； crescent behind shoulders；$r$ ． hand advanced；holds in l．，long sceptre，bound with fillet；sword girt round waist；to l．，岕． <br> ［Pl．xxvi．9．］ |
| 18 | 1223 | A 8 |  | （no sword）． |
| 19 | 118. | A •8 | Similar． | MEIPO Mithras，diad，and with radiate disk，to l．；r．harid ad－ vanced；in l．，sceptre bound with fillet；sword girt round waist； to l．，岂． |
|  |  |  | Similar． | MIIPO Mithras，to l．；r．hand ad－ vanced ；l．rests on hip；sword at waist ；to l．岂． |
| 20 | $122 \cdot 3$ | N $\cdot 8$ |  | ［Pl．xxvi．10．］ |
| 21 | 123．2 | A $\cdot 8$ | Similar． | NANA Nanaia r．，nimbate and diad．，head surmountod by cres－ cent；holds sceptre ending in forepart of horse，and patera； to r．，客。 |
| 22 | $120 \cdot 3$ | N 75 | Similar． | NANAPAO Similar figure of Nanaia ；to r．，岗． |
| 23 | 122.2 | N 75 |  | （sword at waist）．［Pl．xxvr．11．］ |
|  | $30 \cdot 2$ |  |  |  |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 25 | 123． | N $\cdot 8$ | PAONANOPAOKA NhPKIKOPANO The king standing l．， wearing helmet and dia－ dem，clad in coat and trousers，and cloak； flames rise from his shoulders；he holds in r．hand elephant－goad over altar；in his $1 .$, spear；sword at his waist． | OKPO Siva l．，nimbate；hair in horn on top of head；has four arms and hands，in which he holds respectively a vase，a drum，a trident，and a goat，the last by the horns ；to l．，㝕． |
| 26 | 123．4 | A $\cdot 75$ |  | ［I．O．C．］ |
| 27 | 122． | A $\cdot 75$ |  |  |
| 28 | $29 \cdot$ | $A \cdot 5$ |  | ［I．O．C．Pl，xxvi．14．］ |
|  |  |  | Similar． | OPNAГNO War－god（Bahram？） r．，wearing diadem，helmet sur－ mounted by eagle，and clad like the king；holds in r．hand，spear； in I．，sword；to r．，出． |
| 29 | $121 \cdot 3$ | N 85 |  | ［Pl．xxvi．15．］ |
| 30 | $122 \cdot 8$ | $\boldsymbol{N} \cdot 8$ | Similar． | ФAPPO Male figure to r．，diad．and nimbate，clad in chiton and hima－ tion；holds spear in l．hand，and mountain or fire in r．；to r．，岂． ［Pl．Xxvi．16．］ |
| 31 | $30 \cdot 8$ | A $\cdot 5$ | PAONANOKANHP KI KOPANO Bust of the king I．，diad．and wearing helmet ；l．hand raised， holds spear ；hody emer－ ges from clouds． | A $\Theta$ PO Bearded deity l．，clad in chiton and himation ；holds in $r$ ． hand wreath；in 1. ，which rests on hip，tongs ；to l．，岂． <br> ［I．O．C．Pl．xxvi．17．］ |
| 32 | $30 \cdot 1$ | A 5 | Similar． | OKPO Siva，as above，not nim－ bate ；to l．㝕． <br> ［Pl．xxvi．18．］ |






| No. | Wt. | Metal. Size. | Obverse. | Reverse. |
| :---: | :---: | :---: | :---: | :---: |
| 6 | $124 \cdot 5$ | N 8 | PAONANOPAO OO hPKIKOPANO <br> Upper part of king l., emerging from clouds; diad. and nimbate; wears conical helmet and coat of mail ; holds ear of corn and spear. | AP $\triangle$ OXPO Female deity r., in Greek attire ; holds in both liands cornucopiae ; to r., 宏. <br> [PI. xxvin. 10.] |
| 7 | 122. | N 85 |  |  |
| 8 | 129.5 | A $\cdot 8$ |  |  |
| 9 | $122 \cdot 4$ | A -8 |  | to r, fire (l). |
| 10 | $\left\|\begin{array}{r} 58 \cdot 3 \\ \text { (plated) } \end{array}\right\|$ | N $\cdot 8$ |  |  |
| 11 | 122. | N 85 |  | inscr. APDOXPA. [I. O. C.] |
| 12 | $123 \cdot 5$ | A $\cdot 85$ |  | type 1., and symbol to I. [I. O. C.] |
| 13 | $30 \cdot 6$ | A $\cdot 55$ | inscr. PAONANO OOH | [I.O.C.] |
|  |  | $\cdots$ | PAONANO PAOO OhPKIKOPANO Upper part of king l., emerging from clouds, diad. ; wears rounded helmet; holds ear of corn and elephant-goad. | Similar. |
| 14 | 122.5 | A $\cdot 85$ |  | deity with modius and nimbus. |
| 15 | $120 \cdot 7$ | N•8 | inscr. OYOhPKI for oohPKI. | inscr. O90 O9 $^{\text {A }}$. |
| 16 | 120.6 | $N \cdot 8$ |  | type l., and symbol to 1. |
| 17 | 306 | N $\cdot 5$ |  | deity with modius and nimbus. [Pl. xxvin. 11.] |
| 18 | $120 \cdot 9$ | A ${ }^{\text {- }}$ | PAONANOPAO OOHPKOKOPANO The king r., riding on elephant; holds sceptre and elephant-goad. | Similar. Deity with modius and nimbus. <br> [Pl. xxvix. 12.7 |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| ， | $122 \cdot 5$ |  | Inscr．obscure．Upper part of king 1 ．，emerg－ ing from clouds，diad．； wears rounded helmet； holds ear of corn and elephant－goad． | $\triangle$ OXPO Female figure 1．，nimbate； holds wreath and cornucopiae ；to 1．，㞫 |
| 19 |  | $\boldsymbol{N} \cdot 8$ |  | ［Pl．xxvil．13．］ |
| 20 | $123 \cdot 3$ | N 8 |  |  |
|  |  |  | PAONANOPAOOO hPKIKOPANO Upper part of the king 1．，emerging from clouds， diad．and nimbate； wears conical helmet and chlamys over ar－ mour；holds ear of corn and spear． | MIOPO Female deity r．，diad．and nimbate，in Greek attire；holds cornucopiae in both hands ；to r．，岸。 |
| 21 | 123 | $N \cdot 8$ |  | ［Pl．xxvil．14．］ |
|  |  |  | PAONANOPA OOOhPKI The king seated cross－legged to 1．，diad．and nimbate； flames rising from shoul－ ders；wears conical hel－ met，and holds ear of corn and spear． | hPAYIへO Bearded Heracles 1. ， naked；holds in r．hand，club； over 1．arm，lion＇s skin；in l． hand，apple ；to l．，岸． |
| 22 | $123 \cdot 3$ | N 8 |  | ［Pl，xxvir，15．］ |
|  |  |  | PAONANOPAOO OHPKIKOPANO Upper part of the king 1．，emerging from clouds， diad．；wears rounded helmet ；holds ear of corn and elephant－goad． | MAACHNO Male deity（Mahá－ sená）facing，nimbate and diad．， clad in coat and chlamys；holds in r．hand，standard surmounted by bird ；in l．，sword ；to l．，岂． |
| 23 | $125 \cdot 5$ | N 8 |  | ［I．O．C．Pl．xxvir．16．］ |
| 24 | 1127 | A 75 |  |  |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | PAONANOPAOO OhPKIKOPANO Upper part of the king l．，emerging from clouds， diad．；wears rounded helmet；holds ear of corn and elephant－goad． | MANAOBATO Moon－god facing， seated on throne；feet resting on footstool；wears helmet ；crescent behind shoulders；has four arms and hands，in three of which he grasps sceptre，wreath？and fire？， fourth hand rests on hip；to r．，岩。 |
| 25 | 122． | N $\cdot 75$ |  | ［Pl．XxviI．17．］ |
| 26 | 122.5 | A $\cdot 8$ |  |  |
|  |  |  | PAONANOPAOO OHPKIKOPANO Upper part of the king l．，emerging from clouds， diad．and nimbate； wears conical helmet and coat of mail ；holds ear of corn and spear． | MAO Moon－god I．，crescent behind shoulders；clad in coat；holds wreath and sceptre；sword at waist ；to l．，亗． |
| 27 | $122 \cdot 3$ | $A T \cdot 85$ |  | ［Pl．XXVII．18．］ |
|  |  |  | Similar． | MAO Moon－god l．，crescent behind shoulders；clad in chiton and chlamys；sword in l．；holds wreath in r．hand；to l．，岸． |
| 28 | 122.2 | $\boldsymbol{N} \cdot 85$ |  |  |
| 29 | $123 \cdot 2$ | A $\cdot 8$ |  | ［I．O．C．］ |
| 30 | $122 \cdot 6$ | $N \cdot 85$ | Similar． | MAO Moon－god 1．；holds sceptre in 1. ；$r$ ．hand advanced；to 1. ，岸。 <br> ［I．O．C．Pl．xxvir．19．］ |
| 31 | 30．2 | $N \cdot 5$ | PAONANOP AOOOHPKO Similar type． | MAO Moon－god l．；r．hand ex－ tended；in l．，sword ；to l．，岸． <br> ［I．O．C．Pl．xxvir．20．］ |



| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 42 | 121．1 | $N \cdot 8$ | PAONANOPAOO OhPKIKOPANO Upper part of the king 1．，emerging from clouds， diad．；wears rounded helmet，and chlamys over armour ；holds ear of corn and elephant－ goad． | Bearded moon－god r．，diad．；crescent behind shoulders；holds in r．hand， sceptre，bound with fillet；in l．． elephant－goad：and sun－god l．，ra－ diate ； r ．hand advanced ；in l．， sceptre，bound with fillet；behind the two，the names MAO and MIIPO respectively；between them，岸。 |
|  |  |  | PAONANOPAOOO hPKEKOPANO Upper part of the king l．，emerging from clouds， diad．and nimbate ； flames rising from shoulders；wears coni－ cal helmet；holds ear of corn and spear． | MIIPO Sun－god l．，nimbate；holds wreath and sceptre ；sword at waist ；to l．，岸． |
| $\begin{aligned} & 43 \\ & 44 \end{aligned}$ | 123. | N 85 |  |  |
|  | $122 \cdot 3$ | N 85 |  |  |
|  | 123． | A $\cdot 8$ | Similar；no flames． | MOPO Sun－god 1．，radiate ；holds wreath and sceptre；sword at waist；to l．，亗． <br> ［Pl．xxviII．1．］ |
| 46 | $121 \cdot 7$ | A $\cdot 8$ | Similar． | MIOPO Sun－god l．，radiate ；holds wreath and sceptre，bound with fillet；to l．，岸． <br> ［I．O．C．］ |
|  |  |  | Similar ；king holds stan－ dard instead of spear． | MIOPO Sun－god l．，diad．and nimbate；holds wreath and sword； to 1 ．，㞤。 |
|  | $122 \cdot 8$ | AV 8 |  |  |





| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | PAONANOPAOOO hPKIKOPANO <br> Upper part of king l．， emerging from clouds， diad．and nimbate ； wears conical helmet； holds ear of corn and spear． | NANO Nanaia r．，diad．and nim－ bate ；crescent on head；holds sceptre and patera；to r．，岸． |
| 76 | 122.9 | A $\cdot 8$ | king holds double ear of corn．＊ | ［Pl，xxviII．9．］ |
| 77 | $122 \cdot 5$ | A $\cdot 85$ | king＇s name OOちPKO． | ［I．O．C．］ |
| 78 | 121．2 | A $\cdot 85$ | ．＂OOhPKE． | inscr．barbarous． |
| 79 | $122 \cdot 5$ | A $\cdot 8$ | ＂${ }^{\prime}$ | ＂＂ |
| 80 | 122.6 | N $\cdot 85$ | $49 \quad 37$ | ＂$\quad$［I．O．C．］ |
|  |  |  | PAONANOPAOO OhPKOKOPANOPAO King seated cross－legged on clouds，head r．，diad． and helmeted；holds in l．，standard，surmounted by bird． | NANA Nanaia r．，diad．and nim－ bate；crescent on head；sword at waist；holds sceptre and patera； to r．，宓。 |
| 81 | $120 \cdot 8$ | A $\cdot 85$ |  |  |
| 82 | 119：5 | A $\cdot 8$ |  | ［I．O．C．Pl．xxviil，10．］ |
|  |  |  | PAONANOPAOO OhPKIKOPANO Upper part of the king l．，emerging from clouds， diad．；wears rounded helmet；holds ear of corn and elephant－goad． | NANAPAO Nanaia r．，diad．and nimbate；crescent on head；sword at waist；holds sceptre and patera； to r．，宏。 |
| 83 | 118.8 | N－ 8 |  |  |
| 84 | 1．21－3 | N 8 |  | ［I．O．C．］ |



| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 95 96 | 122 $121 \cdot 7$ | N $\cdot 85$ $\mathbf{N} \cdot 8$ | PAONANOPAOOO hPKEKOPANO Upper part of king 1. ， emerging from clouds， diad．and nimbate； wears conical helmet； flames rising from shoul－ ders ；holds ear of corn and spear． | OANIN $\triangle$ A Nike standing l． holds wreath and trophy－stand，as on coins of Alexander ；to r．，岸． <br> ［Pl．xxvini．13．］ <br> inser．OANIN $\triangle$ O ． |
| 97 | 122.7 | A $\cdot 8$ | PAONANOPAOO OhPKIKOPANO Upper part of king l．， emerging from clouds， diad．；flames rising from shoulders；wears rounded helmet；holds ear of corn and ele－ phant－goad． | OKPO Siva l．，nimbate ；wears necklace，and has four arms and hands，in which are（1）vase and elephant－goad，（2）thunderbolt，（3） trident，（4）goat ；to l．，㞤． <br> ［Pl．xxvini．14．］ |
| 98 | 121.5 | A $\cdot 8$ |  | ［I．O．C．］ |
| 99 | $120 \cdot 1$ | N $\cdot 8$ |  |  |
| 100 | 123 | $\mathcal{N}^{\prime} 85$ | Inscr．barbarous．Similar | OKPO Siva l．，with four arms and hands，in which are（1）wreath， （2）？，（3）trident，（4）goat；to l．，㞺。 |
|  |  |  |  |  |
|  |  |  | PAONANOPA OOhPK Upper part of king l．，emerging from clouds，diad．and nimbate；wears rounded helmet；holds ear of corn and standard sur－ mounted by bird． | OKPA Siva facing，three－headed； has four arms and hands，in which are vase，thunderbolt，trident，and club；to l．，岸． |
| 101 | 122.2 | N 85 |  | ［Pl．xxvisi．15．］l |



| No． | Wt． | Metal． Size． | Obrers． | Reverss． |
| :---: | :---: | :---: | :---: | :---: |
| 109 | $123 \cdot 5$ | N 885 | Inscr．obscure．Upper part of king l．，emerging from clouds，diad．；wears rounded helmet；holds ear of corn and elephant－ goad． | PIDM Roma or Pallas standing r．，wearing helmet and long chiton； holds spear and shield ；to $x$ ．，㞫． |
|  |  |  |  | ［Pl．xxviri．20．］ |
|  |  |  | PAONANOPA OOYOHPKIKOP Similar． | CAPAПO Sarapis standing $1 .$, diad．and clad in himation ；r． hand advanced；in l．，sceptre； to 1. ，岸． |
| 110 | $123 \cdot 1$ | N 85 |  | ［Pl．xxvili．21．］ |
| 111 | $121 \cdot 6$ | A 85 |  | ［I．O．C．］ |
|  |  |  | PAONANOPAOO OhPKIKOPANO Upper part of king l．， emerging from clouds， diad．；wears rounded helmet；holds ear of corn and elephant－goad． | CKANAOKO M BIZATO APO Skanda and Vişākha＊ standing face to face，nimbate； each wearing chlamys and neek－ lace，and sword at waist；but Skanda holds in r．hand，standard surmounted by bird；Viṣākha holds in l：hand，spear ；between them，岑。 |
| 112 | 123. | N 8 |  | ［Pl．xxvini．22．］ |
| 113 | $121 \cdot 3$ | N $\cdot 8$ |  |  |
|  |  |  | Similar；last letter of inscr． wanting． | CKANDOKOMAPO B IZATO Skanda and Viṣäkha standing face to face，nimbate ；Skanda holds in r．hand，standard；Viṣākha holds in 1．hand，spear；between them，岸。 |
| 114 | 31. | N 5 | ＊A son and imperson | ［I．O．C．Pl．xxyiti．23．］ <br> ation of Skanda．See Introduction． |


| No． | Wt． | Metal． Siże． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 115 | 121 | N $\cdot 8$ | PAONANOPAOO OhPKIKOPANO <br> Upper part of king l．， emerging from clouds， diad．；wears rounded helmet；holds ear of corn and elephant－goad． | CKANDOK OMAPOMA ACh NOBIZAГO Niche on basis， within which，Skanda and Viṣä－ kha standing as above；between them，Mahăsena，horned（？），facing， nimbate，clad in chlamys；sword at waist；to l．，嵳。 <br> ［Pl．xxviII．24．］ |
|  |  |  | PAONANPAOO OhKIKOPANO <br> Upper part of king $1 .$, emerging from clouds， diad．and nimbate； wears conical helmet； holds ear of corn and spear． | ФAPPO Male deity l．，head winged； clad in coat；holds in r．hand， fire；l．grasps sword at waist；to l．，炭。 [I. O. C. Pl. xxviir. 25.] |
| 117 | $122 \cdot 4$ | A 85 | hPKIKOPANO <br> Upper part of king l．， emerging from clouds， diad．and nimbate； flames rise from shoul－ ders；wears conical hel－ met ；holds ear of corn and standard． | ФAPPO Male deity l．，head winged， diad．；flames rising from shoul－ ders；wears coat and chlamys； holds in r ．hand，fire；l．grasps sword at waist ；to l．，吴． |
|  |  |  | PAONANOPAO OOHPKIKOPANO Upper part of king l．， emerging from clouds， diad．and nimbate； wears conical helmet； holds ear of corn and standard surmounted by bird． | ФAPPO Similar ；deity nimbate． |
| 118 | $121 \cdot 6$ | A $\cdot 8$ |  |  |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse |
| :---: | :---: | :---: | :---: | :---: |
| 119 | $123 \cdot 4$ | A $\cdot 8$ | PAONANOPAOOO hPKIKOPANO <br> King as last ；holding ear of corn and spear． | \＄APO Male deity l．，head winged， nimbate；wears coat and chlamys； r．hand advanced ；in l．，long scep－ tre ；sword at waist；to l．，岸． $\left[\begin{array}{lll} \text { I. O. C. } \end{array}\right]$ |
| 120 | $121 \cdot 2$ | A • 8 | Same inscr．King as last ； holding ear of corn and sceptre． | $\Phi$ APPO Male deity l．，nimbate； flames rising from shoulders；holds in extended r．hand，fire；in l．， sceptre ；to l．，㞤。 <br> ［Pl．xxviri．26．］ |
| 121 | $123 \cdot 3$ | N 8 | Same inscr．King as be－ fore；holding ear of corn and spear． | $\Phi$ APPO Male deity r．，head winged， nimbate；clad in coat；holds sceptre and fire ；to r．，岸． <br> ［Pl．xxviri．27．］ |
| 122 | $122 \cdot 4$ | A $\cdot 8$ | Same inscr．？King as be－ fore；holding double ear of corn and spear． | ФAPPO Male deity l．，head winged， nimbate；clad in coat and chlamys；holds purse and cadu－ ceus；tol．，炭。 <br> ［I．O．C．］ |
| 123 | 123.5 | N＇ 8 | PAONANOPA OOOHPKEKOPA <br> King as before；holding ear of corn and spear． | \＄APO Similar figure；holds purse？ and long sceptre；to l．，㞤。 <br> ［Pl．xxvini．28．］ |
| 124 | 121 5 | AN 8 | PAONANOPAOOO HPKIKOPANO Similar． | фAPPO Male deity r．，head winged， diad．and nimbate；clad in coat； holds sceptre and elephant－goad； to 1．，㘳． <br> ［Pl．xxpini．29．］ |


| No． | Wt． | Metal <br> Size． | Obverse． | Reveree． |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | PAONANOPAO OOHPKOKOP Upper part of king 1 ．， emerging from clouds， diad．and nimbate； wears rounded helmet； holds ear of corn and standard． | Inscr．barbarous．Male deity l．，nim－ bate；in extended r．hand，fire； in 1．，sword ；to l．，岸． |
| 125 | $124 \cdot 1$ | A $\cdot 85$ |  |  |
|  |  |  | PAÓNANOPAOO OHPKIKOPANO Upper part of king 1．， emerging from clouds， diad．；wears rounded helmet；holds ear of corn and elephant－goad． | ФAPO Male deity 1．，head winged， nimbate ；holds in r．hand，wreath； in l．，sceptre ；to 1. ，嵳。 |
| 126 | 121．2 | A $\cdot 8$ |  |  |
|  |  |  | Similar． | ФAPPO Male deity r．，head winged， nimbate；r．hand rests on hip；in l．，sceptre ；to r．，栄． |
| 127 | 122．5 | N 75 |  |  |
| 128 | 121.7 | A $\cdot 8$ |  | ［I．O．C．］ |
| 129 | 122．2 | A 9 |  | inscr．$\Phi$ APO ． |
| 130 | $33 \cdot 3$ | $A \cdot 5$ |  |  |
| 131 | 27. | A $\cdot 5$ | ＇ | ［I．O．C．Pl．xxviri．30．］ |
|  |  |  | Similar | ФAPO Male deity l．；l，hand rests on hip ；in r．，sceptre ；to l．，岸． |
| 132 | $123 \cdot 3$ | A $\cdot 75$ |  |  |
| 133 | $121 \cdot 4$ | N $\cdot 8$ |  | inscr．ФAPPO．［I．O．C．］ |
| 134 | ｜ $122 \cdot 1$ | N $\cdot 8$ |  | ＂O¢A¢．（sword at waist）． |



| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| $\left\|\begin{array}{l} 143 \\ 144 \end{array}\right\|$ |  | 圧 $1 \cdot$ | PAONANO PAOOO． hPKENOPANO <br> The king r．，diad．and nimbate，riding on ele－ phant ；holds spear and elephant－goad． | APOOXP Female deity r．，diad． and nimbate；holds cornucopiae； to r．，㞤。 <br> ［I．O．C．］ |
| 145 |  | 左1． | Similar． | Inscr．obscure．Female deity＊ 1 ， nimbate；holds in extended $r$ ． hand，wreath ；in l．，cornucopiae ； to l．，岀岸． <br> ［I．O．C．］ |
| 146 |  | E 95 | Similar． | HPAKへO？Heracles r．；holds in r．hand，club；l．raised to head； to r．，岸。 <br> ［Pl．xxix．1．］ |
| 147 |  | E 1.05 | Similar． | MAO Moon－god 1．，crescent behind shoulders ；r．hand extended ；with l．grasps sword ；to 1. ，岂． <br> ［I．O．C．Pl．xxix．2．］ |
| 148 |  | ※ 1 － |  |  |
| 149 |  | E 1－ |  |  |
| 150 |  | 无1． |  |  |
| 151 |  | A $\cdot 85$ |  |  |
| 152 |  | ※ 8 | ＊Cf．the deity accompanied king． $\qquad$ | （deity holds wreath and sword）． <br> by the inseription $\triangle O X P O$ on gold of this |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
| 153 |  | 无 1.05 | PAONANO PAOOO－ hPKENOPANO The－king r．，diad．and nimbate，riding on ele－ phant；holds spear and elephant－goad． | MAO Female deity l．，nimbate； holds in both hands，cornucopiae； to l．，岜。 |
|  |  |  | Similar． | MIIOPO Sun－god l．，radiate；r． hand extended；with l．grasps sword；to l．，亗． |
| 154 |  | E 1 |  | ［I．O．C．］ |
| 155 |  | ※1． |  | （inscr．MIIPO）． |
| 156 |  | E 95 |  | ＂＂ |
|  |  | A $1 \cdot$ | Barbarous inser．King on elephant to 1 ． | MPPO？Sun－god l．，nimbate ；r． hand extended ；in l．，sceptre；to 1．，笑 |
|  |  |  | PAONANO PAOOO－ hPKENOPANO The king r．，diad．and nimbate，riding on ele－ phant；holds spear and elephant－goad． | OKPO Siva standing l．，four armed； holds wreath，thunderbolt，trident， and goat；to $1 .$, 岂． |
| 158 |  | E 1.05 |  |  |
| 159 |  |  |  | （Siva holds in fourth hand，vase）． [Pl. XXIX. 3.] |
| 160 |  |  | Similar． | OKPO Siva standing 1 ，two armed ； holds in r．band，trident ；in 1．， vase and lion＇s skin（l）；to l．，岸； to r．，⿳్⿴囗⿰丨丨⿹\zh13一． |
| 161 |  | ※ $1 \cdot$ |  |  |
| 162 |  | A．9 |  | ［I．O．C．］ |
| 163 |  | 压 85 |  |  |
| 164 |  | 历 95 |  |  |
| 165 |  | 里 95 |  |  |




| No． | Wt． | Metal． Size． | Obverse． | Reverse，${ }^{-}$ |
| :---: | :---: | :---: | :---: | :---: |
| 191 |  |  | PAONANOPAO OOHPKEKOPANO King，with head nim－ bate and body radiate， seated facing，head r．， cross－legged on cushions； holds in l．hand，sceptre． | NANA Nanaia r．，nimbate；holds sceptre；to r．，岂． <br> ［I．O．C．］ |
|  |  |  | Similar． | OKPO Siva facing，nimbate，head 1．；has four arms and hands，in which he holds a wreath，a thun－ derbolt，a trident and a vase；to 1．，山。 |
| 192 |  | E1．05 |  |  |
| 193 |  | 不 9 |  |  |
| 194 |  | 不 1 | Inscr．King，with head and body radiate，half reclining，facing，on throne． | Similar． ［I．O．C．Pl，xxix．7．］ |
| 195 |  | E 1. |  |  |
| 196 |  | A 1. |  | （Siva holds goat in fourth hand）． |
| 197 |  | 兩 9 |  | （Siva grasps sword in fourth hand）． |


| No． | Wt． | Metal． Size． | Obverse． | Reverse． |
| :---: | :---: | :---: | :---: | :---: |
|  |  | BAZODEO（VASU DEVA）． |  |  |
| 1 | 122.5 | N 85 | PAONANO PAO BA ZOALOKOPANO The king l．，clad in conical helmet and suit of mail，diad．and nim－ bate ；holds r．hand over altar；in l．，spear；wears sword． | NANA Nanaia r．，nimbate，head surmounted by crescent；holds sceptre，ending in forepart of horse，and patera；to r．，岩． <br> ［PI．XxIx．8．］ |
| 2 | 122．2 | A $\cdot 8$ |  | ［I．O．C．］ |
|  |  |  | PAONANOPA OBAZOAHOK Similar． | OKPO Siva facing，having three faces and two arms ；holds wreath and trident；to l．，希． |
| 3 4 | $120 \cdot 8$ $122 \cdot 3$ | N $\cdot 8$ |  | （inscr．OPKO）．［Pl．xxIx．9．］ |
|  |  | A $\cdot 8$ | PAONANOPAOBA ZOALOKOPANO The king l．，clad in conical helmet and suit of mail，diad．and nim－ bate；holds r．hand over altar ；in l．，spear；stan－ dard behind head． | OKPO Siva facing，having three faces and two arms；holds wreath and trident；behind him，bull l．； to r．，岸． |
| 5 | $123 \cdot 8$ | $N \cdot 8$ |  | ［Pl．xxix．10．］ |
| 6 | 124．9 | A $\cdot 8$ |  |  |
| 7 | 123．5 | N $\cdot 85$ |  | （Siva one－faced）．［I．O．C．］ |
| 8 | 124－8 | AV 85 |  | （bull feeding）． |
| 9 | $123 \cdot 4$ | N $\cdot 8$ |  | ＂（inscr．OPKO）．＂ |
| 10 | 122．8 | N $\cdot 85$ | （inscr，barbarous）． | （Siva one－faced）；symbol to I． |


| No． | Wt． | Metal． <br> Size． | Obverse． | Reverse， |
| :---: | :---: | :---: | :---: | :---: |
| 11 | 126＊ | N $\cdot 85$ | PAONANOPAOBA ZOAHOKOPANO The king standing as before at altar ；beside which，trident fixed in the ground． | OKPO Siva，one－headed，facing； holds wreath and trident；behind him，bull 1．；to $1 .$, 岸． |
| 12 | $124 \cdot 7$ | A $\cdot 85$ |  |  |
| 13 | 121－2 | $A^{\prime} \cdot 8$ |  |  |
| 14 | 123． | $A \sim \cdot 9$ | to r．，．（．）． |  |
| 15 | 124. | A $\cdot 85$ | ${ }^{\prime} \sim$ n． | ＂$\quad$ |
| 16 | $116 \cdot 4$ | A $\mathrm{C} \cdot 85$ | ＂＂ | ＂＂ |
| 17 | 31. | A $\cdot 5$ |  | ＂：，［I．O．C．Pl．xxix．11．］ |
| 18 | $30 \cdot 7$ | A $\cdot 5$ | $\cdots$ | （Siva crosses his legs）；to r．，岩． |
|  |  |  | Barba | arous imitations． |
| 19 | 122.7 | A $\cdot 9$ | to r．，¢ | ［PI．XIIX 12．］ |
| 20 | $122 \cdot 5$ | $\boldsymbol{N}^{\prime} \cdot 9$ | ＂＂ | to I．，5． |
| 21 | $123 \cdot 7$ | N 1. | ＂$\quad$ ；below，せ． |  |
| 22 | 125.5 | N 1.05 | ＂＂＂ |  |
| 23 | $120 \cdot 8$ | N 95 | ＂＂ | to $1 .$, な |
| 24 | $124 \cdot 7$ | N 1.05 | ＂＂＂， | ［Pl．xxix．13．］｜ |




## SUPPLEMENT．

## IMPORTANT TYPES NOT IN THE BRITISH MUSEUM．＊

| No． | Obverse． | Reverse． |
| :---: | :---: | :---: |
|  | DEMETRIUS． |  |
| 1 | Bust of the king r．，diad． [Pl. xxx. 1.] | BAINE $\boldsymbol{\Sigma}$ Pallas facing， $\triangle$ HMHTPIOY armed；holds lance and shield． <br> R Wt．243•（Gen．Cunningham）：an injured specimen（ W t． $219 \cdot 3$ ），re－ cently acquired for Brit．Museum． |
| 2 | Head of the king r．，in elephant＇s skin． [Pl. xxx. 2.] | Same inscr．Pallas seated l．，holding spear in r．，and shield in 1. <br> ※＿round， 7 （Gen．Cunningham）． |
| 3 | BAINE $\Omega$ ANIKHTOY $\triangle H$－ MHTPIOY Bust of the king r．， in elephant＇s skin． <br> ［PI．xxx．3．］ <br> ＊In this list will be found the more impo which have heen publiehed，but are not ré varieties are not given，nor，in most casee， mentioned coine，unless when euch denomina Museum Coins．To thie Supplement belong moet cares due to Gen．Cunningham＇s valual are reproduced hy his kind permiseion．In o here which were acquired for the Britieh M proper places． | アユゾゥカア アソา～・レ ．．．．．じ <br> （Māharujasa aparajitasa Deme．．．．．）．Winged thunderbolt． <br> 压 square， 75 （Gen．Cunningham）． <br> rtant coins of the Greek and Scythic Kinge presented in the British Museum．Mere merely different denominations of already tions are higher than those of the British three plates，the figures in which are in le papers in the Numismatic Chronicle，and er two inetances coins have been ineerted useum too late for them to figure in their |



\begin{tabular}{|c|c|c|}
\hline No． \& Obverse． \& Reverse． <br>
\hline \& EUCR \& TIDES． <br>
\hline 1

2 \& \begin{tabular}{l}
Bust of the king r．，helmeted． <br>
［Rev．Numism．，1867，Pl．xır．］

 \& 

BAEIAESE METANOY The EYKPATIAOY Dioscuri charging r．，carrying palms． <br>
$N$ Wt． 2593.5 gr．（20 stater piece， Bibl．Nationale，Paris）． <br>
A Stater（Col．Strutt）．
\end{tabular} <br>

\hline 3 \& Bust of the king l．，helmeted，but with shoulders bare；thrusting with spear．

[Pl. xxx. 8.] \& | As last． |
| :--- |
| R Wt．233•（Gen．Cunningham）． | <br>

\hline 4 \& BAINER METAへOY Bust EYKPATI $\triangle O$ Y of the king r．， helmeted．

[Pl. xxx. 9.] \& | ア历フ～ア アソ～～（Maha－ アコザアフソ rajasa maha－ takasa Evulkratidasa）．The Dios－ curi standing side by side；hold spears and swords． |
| :--- |
| AR Wt． 34.5 gr．（formerly Gen． Abbott）．On a coin of this class in Gen，Court＇s Collection，the inscription begins $ア \searrow 7$（Von Sallet in Zeit．f．Num．10，p．157）． | <br>

\hline 5 \& | Head of Apollo r．，laur． |
| :--- |
| ［Pl．xxx．10．］ | \& | BAINE $\mathbf{~ E ~ H o r s e ~ l . , ~ s t a n d i n g . ~}$ EYKPATIAOY |
| :--- |
| 压 round， 7 （Vienna）． | <br>


\hline 6 \& | BAINER乏 MErANOY Bust EYKPATI $\triangle$ OY of the king r．， diad． |
| :--- |
| ［Pl．xxx．11．］ | \& | Indian inscr．as above．The pilei of the Dioscuri，surmounted by stars， and two palms． |
| :--- |
| A square，$\cdot 55$（Gen．Canningham）． | <br>

\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline No． \& Obverse． \& Reverse． \\
\hline 7 \& \begin{tabular}{l}
BAEIAESE MELANOY EY－ KPATIDOY Bust of the king r．，diad．and helmeted． \\
［Pl．xxx．12．］
\end{tabular} \& \begin{tabular}{l}
アソ৭カソィ アソ৭．～． \\
アコザイコン \\
（Mähärajasa rajadirajasa Evulkratidasa）．．Nike l．；holds wreath and palm． \\
压 square， 7 （Gen．Cunningham）． \\
CLES．
\end{tabular} \\
\hline 1

2 \& \begin{tabular}{l}
Bust of the king r．，helmeted． <br>
［Pl．xxxi．1．］

 \& 

BAINE $\Omega \Sigma$ Zeus seated－1．； HヘIOKAEOYE holds Nike $\triangle I K A I O Y$ and long sceptre． <br>
R Tetradrachm（formerly Major Hay）． <br>
A Drachm（The late Sir E．C． Bayley）．
\end{tabular} <br>

\hline \multicolumn{3}{|c|}{ANTIALCIDAS．} <br>

\hline 1 \& BAEINESE NIKHфOPOY ANTIAへKIDOY Bust of the king r ，diad． \& | アไラヘУ アソれ～ン（Maha－ ア ᄀ有 +17413 rajasa jaya－ dharasa Amtialikidasa）．Elephant walking r．；wreath in raised trunk． |
| :--- |
| 压 square， 75 （Major Landon：now presented to British Museum）． | <br>

\hline \& ANTIALCIDAS \& AND LIYSIAS． <br>

\hline 1 \& | BAEINESE ANIKHTOY AYEIOY Bust of bearded Herakles r ．；elub on shoulder． |
| :--- |
| ［Pl．xxxi．2．］ | \& | Inscr．as last．The caps of the Dios－ curi，and two palms． |
| :--- |
| ※ square，$\cdot 7$（Bodleian Library）． | <br>

\hline
\end{tabular}

| No． | Obverso． | Reverss． |
| :---: | :---: | :---: |
|  | THEOPHILUS． |  |
| 1 | BAEINERE DIKAIOY Bust ■EOФI＾OY of the king r．， diad． <br> ［Pl．xxxy．3．］ | アクせる アゾ～～（Mahara－ アケカアサ jasa dhramikasa Theuphilasa）．Herakles，crown－ ing himself；holds in 1．hand， club and lion＇s skin． <br> R Wt．36．（Gen．Cunningham）． |
| 2 | BAEIへE』E $\triangle I K A I O Y$ OEO－ ФI＾OY Head of bearded Hera－ kles r．；club on shoulder． <br> ［Pl．xxxi．4．］ |  （Māhärajasa dlhramikasa ȚTeu－ philasa）．Cornucopiae． <br> It square， 8 （Gen．Cunningham）． |
|  | ARCHEBIUS． |  |
| 1 | BAEIAESE $\triangle I K A I O Y$ NIKH－ ФOPOY APXEBIOY Bust of Zeus r．，diad．；sceptre on shoulder． <br> ［Pl．xxxr．5．］ | 下ヘ4孚7 <br> （Mähärajasa dliramikasa jayadharasa Arkhehi－ yasa）．The caps of the Dioscuri， and two palms． <br> 压 square， 9 （Gen．Cunningham）． |
| APOLLODOTUS． |  |  |
| 1 | BAINE $\Omega \Sigma$ Г $\Omega$ THPOE ［АПО＾ヘО seated r．on throne，holding out bow． |  <br> （Maharajasa tradatasa Apalada－ tasa）．Tripod． <br> A square， 8 （Gen．Cunningham）． |


| No． | Obverse． | Reverse． |
| :---: | :---: | :---: |
|  | STR | TO 1. |
| 1 | BAINERE EПIфANOYE इ $\Omega$ THPO $\Sigma \Sigma T P A T \Omega N O \Sigma$ Bust of the king r．，diad． [Pl. xxxI. 6.] <br>  P7Z <br> （Māhārajasa prati－ chhasa tradatasa Stratasa）．Pal－ las 1. ；holding aegis and hurling thunderbolt． <br> R Wt．134．（Gen．Cunningham）． |  |
|  | STRATO II． |  |
| 1 | BACINE $2 C$ C $\Omega T H P O C$ CTPATתNOC YIOY CTPAT $\Omega$ NOC Bust of the king r．，diad． [Pl. xxxi. 7.] <br> This is Gen．Cunningham＇s reading on his |  ア <br> （Malıaraja rajarajasa Stratasa putrasa cha sampriyapita Stra－ tasa）．Pallas i．；holding aegis and thunderbolt． <br> A Wt．36．（Gen．Cunningham）． <br> f his specimen（engraved），and given thority． |
|  | MENA | DER． |
| 1 | BAINE $\Omega \Sigma$ E THPOE MENANAPOY Head of Pallas r．，helmeted． <br> ［Pl．xxit．8．］ |  <br> （Māharajasa tradatasa Mena－ $d r \bar{a} s a)$ ．Owl r． <br> A Wt．28．（Gen．Cunninghaul）． |
| 2 | BAINE $\Omega \Sigma$ इ $\Omega$ THPOE MENANDPOY Bust of the king 1．，wearing aegis and thrust－ ing with spear． | ア F．とエ世 rajasa tradatusa Menadrāsa）．Pallas 1．；holding thunderbolt and aegis． <br> AR Didrachm（Published by Gen． Cunningham from a scaling－wax impression）． |


| No． | Obverse． | Reverso． |
| :---: | :---: | :---: |
| 3 | BAIINE $\Omega \Sigma \Sigma \Omega T H P O \Sigma$ MENAN $\triangle$ POY Young male head r．，wearing wreath． <br> ［Pl．xxxi．9．］ |  （Māhārajasa tradatasa ．Mena－ $d r a ̄ s a)$ ．Dolphin r． <br> 压 square， $1 \cdot$ |
| 4 | Same inscr．Two－humped camell． [Pl. xxxi. 10.] | Same inser．Bull＇s head，faeing． <br> 玉 square，1•（Musemm As．Soc． Bengal）． |
| 5 | Same inscr．Elephant 1 <br> ［PI．xxyi．11．］ | Same inser．Elephant－goad． <br> A square， 9 （Gen．Cunningham）． |
| 6 | Same inscr．Boar＇s head r． [Pl. xxxi. 12.] | Same inser．Palm－branch． <br> IE square，－8 |
|  | Nos． 3 and 6 are said by Gen．Cunningham to be in the East India Museum． This is incorrect，as the cains of this Museum are now in the British Museum，and these types are wanting． |  |
| EPANDER． |  |  |
| 1 | BAINESE NIKHфOPOY EПANDPOY Bust of the king r．，diad． [PL xxxi. 13.] | ア 3 З $ソ$［アソ アそんY rajasa］jayadlıarasa Epadrasa）．Pallas l．；holds aegis and thunderbolt． <br> R Wt．19．（broken），（Gen．Cun－ ningham）． |
| DION YSIUS． |  |  |
| 1 | Apollo r．，clad in eblamys；holds arrow with both hands． <br> ［PL xxxi．14．］ | アヘタきフサ アレで アゾ～レ <br> （Maharajasa tradatasa Dianisi－ ycsa）．Royal diadema． <br> 压 square， 6 （Col，Dush）． |


| No． | Obverso． | Reverse， |
| :---: | :---: | :---: |
|  | ZOI | US． |
| 1 | BAINES $\Sigma$ IIKAIOY Bust I $\Omega$ I＾OY of the king r．，diad． <br> ［Pl．xxxit．1．］ | ア万せる アУЧ．～（Māhā－ アフキカン rajasa dlhramitrasa Jhoilcasa）．Herakles，facing；holds in r．，wreath ；in l．，club and lion＇s skin ；on his shoulder，Nike hold－ ing wreath． <br> R Wt． $36 \cdot 5$（Gen．Cunningham）． |
| 2 | BAइINES I $\Omega$ I＾OY of bearded Herakles r．，in lion＇s skin． <br> ［Pl．xxxil．2．］ |  （Maharajasa dhramikasa Jhoi－ lasa）．Club and bow－case，within ivy－wreath． <br> E square， $1 \cdot 1$（Lady Headfort）． |
|  | ARTEMIDORUS． |  |
| 1 | BAINE A ANIKHTOY APTEMI $\triangle \Omega$ POY Bust of the king r．，diad． <br> ［Pl．xxxir．3．］ |  <br> アクケヵ岇？ <br> （Māhārajasa apadihatasa Artemidorasa）．Ar－ temis，clad in short chiton and chlamys，shooting 1 ． <br> R Wt．128•（Gen．Cunningham）． A specimen much injured（Wt． 117．3），recently acquired for British Museum． |
| 2 | （king helmeted）．［Pl．xxxir．4．］ | A Wt．36．（Gen．Cunningham）． |
| 3 | Same inscr．Bust of the king r．， diad． <br> ［Pl．xxxil．5．］ | Same inscr．Nike r．；holds wreath and palm． <br> AR Wt．37•（Gen．Cunningham）． |


| No． | Obverse． | Reverse． |
| :---: | :---: | :---: |
| 1 | The British Museum has recently acquired a didrachm（Wt．140．）of this <br> king with the nsual type and inscriptions（p．56），but having on the <br> obverse a helmeted bust of the king l．，thrusting with spear． |  |

NICIAS．
BA乏INE $\Sigma \Sigma \Sigma$ ITHPO乏 NIKIOY Bust of the king r．， diad．

アクグ アソา．～（Māhā－ アフウf rajasa tradatasa Nikiasa）．The king（or Pallas ？） helmeted，standing l．；holds palm over shoulder．

R Wt．36•（Gen．Cunningham）．

## TELEPHUS．

## BAइINERइ EYEPTETOY

 THAEФOY Giant（Skythes？）， his body ending in three serpents； holds in each hand，hammer？［Pl．xxxin．7．］

アレZとन $\quad$ アゾ～u アカットソ（Maharajasa palanakramasa Teliphasa）．Helios radiate facing，clad in tunic and chlamys，holds long sceptre ；be－ side him male figure wrapped in mantle，wearing wreath or horned： in field，mon．
A Wt．37．（Bodleian Library）．

Mr．Oman having kindly procured a cast of this coin，we are enabled to give a more accurate description of it than has hitherto appeared．Mr．


## AMYNTAS．

Gen．Cunningham possesses hemidrachms with the usual type of reverse， the seated Zeus；but having on the obverse respectively，（1）bust of the king in Macedonian causia；（2）bust of the king，bare－headed，thrusting with spear．

| No． | Obverso． | Reverse． |
| :---: | :---: | :---: |
|  | HERMAEUS． |  |
| 1 | Gen．Cunningham has a didrachm of the usual type（Wt． 153 grs ．），with helmeted head of the king on the obverse． |  |
| 2 | BAINE $\Omega \Sigma \Sigma \Omega$ THPO EPMAIOY King on horseback r．，galloping． |  <br> アヘレไん rajasa mahatasa Heranzayasa）．Zetus seated l．on throue． <br> $\boldsymbol{A}$ Wt．31•（Gen．Cunningham）． |
| 3 | BAINESE $\Sigma T H P O \Sigma \Sigma Y$ EPMAIOY Bust of the king r．， bare． <br> ［Pl．xxxir．8．］ |  <br> アヘレれん（Maharajasa rajarajasa？］mahatasa Heramaya－ sa）．Nike l．；holding wreath． <br> 原 round， 7 （Gen．Cunningham）． |
| 4 |  <br> （Māhārajasa raja <br> ［Herama？］yasa）．Horse r． | Uncertain device，surrounded by a circle of unascertained Chinese characters． <br> A 1－（Sir D．Forsyth），Num．Chron．， 1879，p． 276. |
| MAUES． |  |  |
| 1 | BAIINE $\Omega \Sigma$ BAIINE $\Omega$ N MEГA＾OY MAYOY Biga r．，in which radiate figure holding sceptre or spear，and charioteer． |  ア7Y dirajasa mahatasa Moasa）．Zeus seated l．on throne； thunderbolt in extended r．hand． <br> A Didrachm（Bodleian Library）， Wt．121• |
| 2 |  | R Hemidrachm（acquired for Brit． Mus．），Wt． $27 \cdot 6$. |


| No． | Obverse． | Reverse． |
| :---: | :---: | :---: |
|  | AZES AND | AZILISES． |
| 1 | BAINESE BAEINE $N$ MESANOY AZOY The king r．，on horseback；lance couched． <br> ［Pl．xxxir．9．］ | アケ～u ア ア アイサH <br> （Maharajasa rajarajasa mahatasa Ayilishasa）． A city ？1．，holds in r．hand an object resembling a brazier ；in l．， palm bound with fillet． <br> $\boldsymbol{\pi}$ Didrachm（R．Rochette， $\boldsymbol{I}^{\text {ire }}$ Suppl．，Pl．II．，No．16）． <br> A Hemidrachm（Grotefend）． |
|  | AZIL | ISES． |
| 1 | ＇Standing figure to the r．，with the r．arm extended horizontally，and holding a chaplet．＇ | ＇Figure in short tunic，with loose veil－like garments around the head， \＆c．Arian legend，imperfect，．．．． jasa mahatasa Ayilishasa．＇ <br> E square（Thomas＇s Prinsep II．，p． 212，No．9，Sir E．C．Bayley）． |
|  | VONONES AND SPALAHORES． |  |
| 1 | ＇BAIへE METANOY ONSNOY Hercules，with club and lion＇s skin ；r．hand raised to the head．＇ <br> ［Ariana Antiqua，Pl．vin．9．］ | ＇Arian legend：－Spahora blirata d／hramikasa Spalahorasa．Minerva to the l．，armed with shield and spear ；r．arm extended．＇ <br> Æ square（Thomas＇s Prinsep II．，p 204，No．3，Mr．Brereton）． |


| No． | Obverse． | $\stackrel{\text { Reverse }}{ }$ |
| :---: | :---: | :---: |
| 1 | GONDOPHARES． |  |
|  | Bust of the king l．，wearing Arsacid tiara，diad． | BALIAEWL BALIAEWN METC YNAロФEPHL AYTロKPATロ King seated r． on throne，holding sceptre ；behind， Nike crowning him． |
|  | ［Pl．sxxum．10．］ | $\begin{aligned} & \text { A Wt. 58• (Berlin, Zeitschr. f. Num. } \\ & \text { 1879, p. 358). } \end{aligned}$ |

## ZEIONISES．

1 Barbarous inscr．The king r．，on horseback；arm extended．
［Pl．xxxin．11．］

Inscription ending P7f．～W（Ji－ häniasa）．The king facing；on one side，Nike；on the other，a wingless figure，crowaing him．

A Didrachm（Thomas＇s Prinsep，Pl． xxviu．5）．

## ARSACES DIKAIOS．

bacineyontoc bacine－ WN IIKAIOY APCAKOV The king，on horseback r．；r．hand raised．

Arian legend ：－（Māhērrajasa raja－ rajasa mahatasa Ashshakasa tra－ datasa）．Type obliterated．＊［On another specimen，Male figure to the left，holding a small figure in his right hand］．
※ round（Cunningham）．
＊A coin of this class has a type thus deseribed by Rollin and Fouardent，Catalogue de Médaillcs，No．8296．－Figure militaire（？）diadémée debout，à g．，tenant de la dr．une palme，la g．sur son épée（？）．


## IN DEX 1.

## TYPES.

## A

Abdagases, Head of.-Abdagases, 107
Aegis.-Demetrius, 7; Antialcidas, 28; Menander, 49; Antimachus II., 55.
Agathocleia, Head of.-Agathocleia and Strato, 43.
Agathocles, Head of.-Agathocles, 10.

Alexander as Herakles, Head of.Agathocles, 10.
Amyntas, Head of.-Amyntas, 61, 171.

Antialcidas, Head of.-Antialcidas, 25 sqq., 166.
Antimachus I ., Head of.-Antimachus $\mathrm{I} ., 12$.
Antiochus, Head of.-Agathocles, 164.

Apollo, standing.-Eucratides, 13; Apollodotus I., 35 sq .; Apollodotus II., 38 sq. ; Strato I., 41 ; Dionysius, 51, 169 ; Zoilus, 53 ; Hippostratus, 60; Maues, 72 ;
Apollo, standing, and elephant.Zoilus, 53.
Apollo, seated.-Apollodotus I., 167.

Apollo, Head of.-Euthydemus II., 8 ; Strato I., 41 ; Eucratides 165.

Apollodotus II., Head of.-Apollodotus II., 37.
Apollophanes, Head of. - Apollophanes, 54.
Archebius, Head of.-Archebius, 32.
Artemidorus, Head of.-Artemidorus, 170.

Artemis, standing. - Artemidorus, 54.

Artemis, running with torch.-Diodotus I., 3.
Artemis, hunting. - Demetrius, 7; Hooorkes, 144; Artemidorus, 170.

Artemis, radiate.-Maues, 69.

## B.

Biga, in which radiate figure.Maues, 172.
Biga, in which king.-Kadphises 11., 175.

Boar's head.-Menander, 169.
Bow and quiver.-Strato I., 41.
Bow and arrow.-Spalirises with Azes, 102.

Bow in case.-Manes, 72; Arsaces Theos, 175.
Bow-case and club.-Zoilus, 170.
Buddha, standing.-Kanerkes, 130, 133.

Buddha, seated.-Kanerkes, 175.
Bull, Indian.-Heliocles, 24 ; Diomedes, 31 ; Apollodotus I., 34, 36 ; Epander, 51 ; Artemidorus, 54 ; Philoxenus, 57 ; Maues, 69, 71; Azes, 85 sqq. ; Azilises, 95 sqq.; Zeionises, 111 sq. ; Uncertain, 162.
Bull's head.-Menander, 169.

## C.

Caduceus.-Demetrius, 7; Manes, 68.

Caduceus and cock.-Sophytes, 2.
Calliope and Hermaens, Heads of. -Hermaeus and Calliope, 66.
Camel, Bactrian. - Uncert., 112 ; Menander, 169.
City, A.-Philoxenus, 57 ; Hippostratus, $59 \mathrm{sq}$. ; Azes, 82, 90 sq .; Azes and Azilises, 173; Azilises, 94; Uncert., 162. (See also Tyche)
City, Head of a.-Andragoras, 1.
City and king.-Zeionises, 110.
Club.-Menander, 50.
Club and bow-case.-Zoilus, 170.
Cock and Caduceus.-Sophytes, 2.
Cornucopiae.-Theophilus, 167.

## D.

Dancing-irirl-Pantaleon, 9 ; Agathocles, 11.
Deity, wears modius. - Hooerkes, 153.

Deity, holds spear.-Hyrcodes, 117. Deity, with horse.-Kanerkes, 130.
Deity, female, holds cornucopiae.Kanerkes, 130, 133 ; Hooerkes, 137, 154, 156.
Demeter, standing.-Azes, 85.
Demeter ? seated.-Azes, 84.
Demetrius, Head of.-Demetrius, 6, 163.

Diadema. - Apollodotus II., 39; Dionysius, 169.
Diodotus, Head of.-Diodotus I., 3 ; Agathocles, 10 ; Antimachus I., 164.

Diomedes, Head of.-Diomedes, 31.
Dionysius, Head of.-Dionysius, 51.
Dionysus, Young, Head of.-Pantaleon, 9 ; Agathocles, 11.
Dioscuri, The, standing.-Diomedes, 31 ; Azilises, 93; Eucratides, 165.

Dioscuri, The, on horseback.-Eucratides, 13 sqq., 165; Diomedes, 31.

Dioscuri, One of the.-Eucratides, 16 ; Azilises, 93.
Dolphin.-Menander, 169.
Dolphin, twined round anchor.Nicias, 58.

## E.

Elephant.-Heliocles, 23 sq.; Lysias, 29 sq.; Archebius, 33 ; Apollodotus I., 34; Zoilus, 53 ; Manes, 68 ; Azes, 87, 90 ; Azilises, 95, 97 ; Antimachus I., 164; Antialcidas, 166 ; Menander, 169.
Elephant: holds wreath.-Maues, 71.

Elephant, Head of.-Demetrius 7; Menander, 50.

Enclosure, Sacred.-Agathocles, 12. Epander, Head of.-Epander, 169.
Eucratides, Head of.-Eucratides, 13 sqq., 165 sq.
Euthydemus I., Head of.-Euthydemus, I., 4 sq.; Agathocles, 10.
Euthydemus II., Head of.-Euthydemus II., 8.

## F.

Female figure, between stars.-Maues, 70.

Female figure : holds fillet.-Maues, 71 ; Azes, 89.
Fire-god.-Kanerkes, 130, 132 sq.; Hooerkes, 136, 150 sqq., 156.

## G.

Giant. -Telephus, 171.
Goad, Elephant.-Menander, 169.
Gondophares, Head of. - Gondophares, 103 sqq., 174.
Gorgon-head on aegis. (See Aegis.)

## H.

Hecate in hand of Zeus. (See Zeus.) Heliocles, Head of.-Heliocles, 21 sqq., 166.
Heliocles and Laodice, Heads of.Eucratides, 19.
Helios in quadriga.-Plato, 20.
Herakles, Young, standing.-Demetrius, 6; Euthydemus II., 8; Lysias, 29 sq.; Zoilus, 52; Manes, 69 sq.; Azes, 89 ; Azilises, 96 ; Spalahores with Vo-
nones, 98 ; Spalagadames with Vonones, 99 ; Uncert., 119 ; Hermaeus and Kadphises, 120 sq. ; Kadphises I., 122 ; Hooerkes, 138,154 ; Theophilus, 167 ; Vonones and Spalahores, 173.
Herakles, seated. - Euthydemus I., 4 sq.; Agathocles, 10 ; Agathocleia and Strato, 43 ; Azilises, 95 ; Spalagadames with Spalyris, 100.
Herakles ; Nike on shoulder.-Zoilus, 170.

Herakles, bearded, Head of - Euthydemus I., 5; Demetrius, 7; Euthydemns II., 8 ; Lysias, 29 ; Strato I., 42 ; Antialcidas and Lysias, 166 ; Theophilus, 167 ; Zoilus, 170.
Herakles, Young, Head of.-Agathocles, 10.
Heraüs, Head of.-Heraüs, 116.
Hermaeus, Head of.-Hermaeus, 62 sqq., 172 ; Hermaeus and Kadphises, 120 sq. ; Kadphises I., 122.

Hermaeus and Calliope, Heads of.Hermaeus and Calliope, 66.
Hermes, standing.-Maues, 71 ; Azes, 83 sqq.
Hippostratus, Head of. - Hippostratus, 59 sq :
Horse.-Euthydemus I., 5 ; Euthydemus II., 8 ; Heliocles, 22 ; Menander, 48; Hippostratus, 60 ; Hermaeus, 66, 172 ; Maues, 72 ; Azes, 89 ; Azilises, 96 ; Eucratides, 165 ; Arsaces Theos, 175.

Horse, Forepart of.-Hyrcodes, 118.
Hyrcodes, Head of.-Hyrcodes, 117 $s q$.

## K

Kadaphes, Head of.-Kadaphes, 123. Kadphises II., Head of.-Kadphises II., 126.
Kanerkes, Head of.-Kanerkes, 132.
King, standing.—Azilises, 96 ; Spalirises, 101 ; Spalirises with Azes, 102 ; Kadphises II., 126 sq.; Kanerkes, 129 sqq, 175 ; Bazodeo, 159 sq.; Nicias, 171.
King, seated.-Maues, 71 ; Azes, 83 sq.; Gondophares, 104 ; Sanabares, 113; Kadaphes, 123, Kadphises II., 124 sqq.; Hooerkes, 138, 145 ; Hooerkes, 156.

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CONVERTING ENGLISH INCHES INTO MILLIMETRES AND THE

MEASURES OF MIONNET'S SCALE.


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or
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| Grains. | Grammes. | Grains | Grammes. | Grains | Grammes. | Grains. | Grammes. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $\cdot 064$ | 41 | $2 \cdot 656$ | 81 | $5 \cdot 248$ | 121 | 7.840 |
| 2 | $\cdot 129$ | 42 | 2.720 | 82 | $5 \cdot 312$ | 122 | 7.905 |
| 3 | -194 | 43 | 2.785 | 83 | $5 \cdot 378$ | 123 | 7.970 |
| 4 | $\cdot 259$ | 44 | 2.850 | 84 | $5 \cdot 442$ | 124 | $8 \cdot 035$ |
| 5 | $\cdot 324$ | 45 | 2.915 | 85 | $5 \cdot 508$ | 125 | $8 \cdot 100$ |
| 6 | $\cdot 388$ | 46 | 2.980 | 86 | 5572 | 126 | $8 \cdot 164$ |
| 7 | $\cdot 453$ | 47 | $3 \cdot 045$ | 87 | 5.637 | 127 | 8.229 |
| 8 | $\cdot 518$ | 48 | 3.110 | 88 | $5 \cdot 702$ | 128 | 8.294 |
| 9 | -583 | 49 | $3 \cdot 175$ | 89 | 5.767 | 129 | 8.359 |
| 10 | -648 | 50 | $3 \cdot 240$ | 90 | $5 \cdot 832$ | 130 | $8 \cdot 424$ |
| 11 | $\cdot 712$ | 51 | $3 \cdot 304$ | 91 | 5.896 | 131 | $8 \cdot 488$ |
| 12 | $\cdot 777$ | 52 | 3.368 | 92 | $5 \cdot 961$ | 132 | $8 \cdot 553$ |
| 13 | $\cdot 842$ | 53 | $3 \cdot 434$ | 93 | 6.026 | 133 | 8.618 |
| 14 | $\bigcirc 07$ | 54 | $3 \cdot 498$ | 94 | 6.091 | 134 | 8.682 |
| 15 | $\cdot 972$ | 55 | 3.564 | 95 | 6156 | 135 | 8.747 |
| 16 | 1.036 | 56 | $3 \cdot 628$ | 96 | 6.220 | 136 | 8.812 |
| 17 | 1-101 | 57 | 3.693 | 97 | 6.285 | 137 | 8.877 |
| 18 | $1 \cdot 166$ | 58 | 3.758 | 98 | 6.350 | 138 | 8.942 |
| 19 | $1 \cdot 231$ | 59 | 3.823 | 99 | 6.415 | 139 | 9.007 |
| 20 | $1 \cdot 296$ | 60 | $3 \cdot 888$ | 100 | 6.480 | 140 | $9 \cdot 072$ |
| 21 | 1-360 | 61 | 3.952 | 101 | 6.544 | 141 | $9 \cdot 136$ |
| 22 | $1 \cdot 425$ | 62 | 4.017 | 102 | 6.609 | 142 | $9 \cdot 200$ |
| 23 | $1 \cdot 490$ | 63 | 4.082 | 103 | 8.674 | 143 | $9 \cdot 265$ |
| 24 | 1.555 | 64 | $4 \cdot 146$ | 104 | 6.739 | 144 | 9.330 |
| 25 | 1.620 | 65 | $4 \% 21$ | 105 | 6.804 | 145 | 9395 |
| 26 | 1.684 | 66 | $4 \cdot 276$ | 106 | 6.868 | 146 | $9 \cdot 460$ |
| 27 | 1.749 | 67 | $4 \cdot 341$ | 107 | 6.933 | 147 | $9 \cdot 525$ |
| 28 | 1.814 | 68 | $4 \cdot 406$ | 108 | 6.998 | 148 | $9 \cdot 590$ |
| 29 | 1.879 | 69 | $4 \cdot 471$ | 109 | $7 \cdot 063$ | 149 | 9.655 |
| 30 | 1.944 | 70 | $4 \cdot 536$ | 110 | $7 \cdot 128$ | 150 | $9 \cdot 720$ |
| 31 | 2.008 | 71 | 4.600 | 111 | $7 \cdot 192$ | 151 | 9784 |
| 32 | $2 \cdot 073$ | 72 | 4.665 | 112 | $7 \cdot 257$ | 152 | $9 \cdot 848$ |
| 33 | $2 \cdot 138$ | 73 | $4 \cdot 729$ | 113 | $7 \cdot 322$ | 153 | $9 \cdot 914$ |
| 34 | 2.202 | 74 | 4.794 | 114 | $7 \cdot 387$ | 154 | 9.978 |
| 35 | $2 \cdot 267$ | 75 | $4 \cdot 859$ | 115 | $7 \cdot 452$ | 155 | $10 \cdot 044$ |
| 36 | $2 \cdot 332$ | 76 | 4.924 | 116 | $7 \cdot 516$ | 156 | $10 \cdot 108$ |
| 37 | 2397 | 77 | 4.989 | 117 | $7 \cdot 581$ | 157 | $10 \cdot 173$ |
| 38 | $2 \cdot 462$ | 78 | 5.054 | 118 | $7 \cdot 646$ | 158 | 10.238 |
| 39 | 2.527 | 79 | $5 \cdot 119$ | 119 | $7 \cdot 711$ | 159 | 10.303 |
| 40 | 2.592 | 80 | $5 \cdot 184$ | 120 | $7 \cdot 776$ | 160 | $10 \cdot 368$ |



| Grains. | Grammes. | Grains | Grammes. | Grains | Grammee. | Graine. | Grammes. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 161 | 10.432 | 201 | 13.024 | 241 | $15 \cdot 616$ | 290 | 18.79 |
| 162 | $10 \cdot 497$ | 202 | $13 \cdot 089$ | 242 | 15.680 | 300 | $19 \cdot 44$ |
| 163 | 10.562 | 203 | $13 \cdot 154$ | 243 | $15 \cdot 745$ | 310 | $20 \cdot 08$ |
| 164 | 10.626 | 204 | $13 \cdot 219$ | 244 | 15810 | 320 | 20.73 |
| 165 | $10 \cdot 691$ | 205 | $13 \cdot 284$ | 245 | 15.875 | 330 | 2138 |
| 166 | $10 \cdot 756$ | 206 | $13 \cdot 348$ | 246 | $15 \cdot 940$ | 340 | $22 \cdot 02$ |
| 167 | $10 \cdot 821$ | 207 | $13 \cdot 113$ | -247 | $16 \cdot 005$ | 350 | $22 \cdot 67$ |
| 168 | 10.886 | 208 | $13 \cdot 478$ | 248 | 16070 | 360 | $23 \cdot 32$ |
| 169 | 10.951 | 209 | $13 \cdot 543$ | 249 | $16 \cdot 135$ | 370 | $23 \cdot 97$ |
| 170 | $11 \cdot 016$ | 210 | $13 \cdot 608$ | 250 | $16 \cdot 200$ | 380 | $24 \cdot 62$ |
| 171 | $11 \cdot 080$ | 211 | $13 \cdot 672$ | 251 | $16 \cdot 264$ | 390 | 25.27 |
| 172 | $11 \cdot 145$ | 212 | $13 \cdot 737$ | 252 | $16 \cdot 328$ | 400 | $25 \cdot 92$ |
| 173 | $11 \cdot 209$ | 213 | $13 \cdot 802$ | 253 | $16 \cdot 394$ | 410 | $26 \cdot 56$ |
| 174 | 11.274 | 214 | 13.867 | 254 | $16 \cdot 458$ | 420 | $27 \cdot 20$ |
| 175 | $11 \cdot 339$ | 215 | $13 \cdot 932$ | 255 | $16 \cdot 524$ | 430 | $27 \cdot 85$ |
| 176 | 11-404 | 216 | 13996 | 256 | $16 \cdot 588$ | 440 | $28 \cdot 50$ |
| 177 | $11 \cdot 46^{\circ}$ | 217 | 14.061 | 257 | 16653 | 450 | $29 \cdot 15$ |
| 178 | -11.534 | 218 | $14 \cdot 126$ | 258 | 16.718 | 460 | 29.80 |
| 179 | 11.599 | 219 | $14 \cdot 191$ | 259 | $16 \cdot 783$ | 470 | 3045 |
| 180 | 11.664 | 220 | 14.256 | 260 | $16 \cdot 848$ | 480 | $31 \cdot 10$ |
| 181 | 11.728 | 221 | $14 \cdot 320$ | 261 | 16.912 | 490 | $31 \cdot 75$ |
| 182 | 11.792 | 222 | 14385 | 262 | 16977 | 500 | $32 \cdot 40$ |
| 183 | 11.858 | 223 | $14 \cdot 450$ | 263 | 17042 | 510 | $33 \cdot 04$ |
| 184 | 11.922 | 224 | $14 \cdot 515$ | 264 | $17 \cdot 106$ | 520 | 33.68 |
| 185 | 11.988 | 225 | 14.580 | 265 | $17 \cdot 171$ | 530 | $34 \cdot 34$ |
| 186 | 12.052 | 226 | 14614 | 266 | 17.236 | 540 | $34 \cdot 98$ |
| 187 | $12 \cdot 117$ | 227 | 14709 | 267 | $17 \cdot 301$ | 550 | $35 \cdot 64$ |
| 188 | $12 \cdot 182$ | 228 | $14 \cdot 774$ | 268 | 17.366 | 560 | $36 \cdot 28$ |
| 189 | $12 \cdot 247$ | 229 | 14.839 | 269 | $17 \cdot 431$ | 570 | $36 \cdot 93$ |
| 190 | $12 \cdot 312$ | 230 | 14.904 | 270 | $17 \cdot 496$ | 580 | 37.58 |
| 191 | $12 \cdot 376$ | 231 | 14.968 | 271 | $17 \cdot 560$ | 590 | $38 \cdot 23$ |
| 192 | $12 \cdot 441$ | 232 | $15 \cdot 0.33$ | 272 | $17 \cdot 625$ | 600 | $38 \cdot 88$ |
| 193 | 12.506 | 233 | $15 \cdot 098$ | 273 | $17 \cdot 689$ | 700 | $45 \cdot 36$ |
| 194 | 12.571 | 234 | $15 \cdot 162$ | 274 | $17 \cdot 754$ | 800 | 51.84 |
| 195 | $12 \cdot 636$ | 235 | $15 \cdot 227$ | 275 | $17 \cdot 819$ | 900 | $58 \cdot 32$ |
| 196 | 12.700 | 236 | $15 \cdot 292$ | 276 | 17-884 | 1000 | $64 \cdot 80$ |
| 197 | $12 \cdot 765$ | 237 | 15.357 | 277 | $17 \cdot 949$ | 2000 | 129.60 |
| 198 | 12.830 | 238 | 15.422 | 278 | $18 \cdot 014$ | 3000 | $194 \cdot 40$ |
| 199 | 12.895 | 239 | $15 \cdot 487$ | 279 | $18 \cdot 079$ | 4000 | $259 \cdot 20$ |
| 200 | 12.960 | 240 | $15 \cdot 552$ | 280 | 18144 | 5000 | 32400 |



ANDRACORAS, SOPHYTES, DIODOTUS, EUTHYDEMUS I.



DENIETRIUS, EUTHYDEMUS II, PANTALEON.


(4)

ANTIMACHUS I, EUCRATIDES.


EUCRATIDES, PLATO.








MENANDER, EPANDER, DIONYSIUS, ZOILUS.


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HIPPOSTRATUS, AMYNTAS




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MAUES, AZES.





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ABDAGASES, ZEIONISES \&C. PACORES, ORTHAGNES,


BAS. MEGAS, HERAUS, HYRCODES \&C.





HOOERKES.



SUPPLEMENTARY. 1.


Pl. XXXI.


SUPPLEMENTARY. 2.


SUPPIAEMENTARY. 3.



[^0]:    * Notes to Prinsep's Essays.
    $\dagger$ Indische Alterthumskunde.
    $\ddagger$ Ariana Antiqua.
    § Zeitschrift für Numismatik, Berlin 1879.
    || The conjecture is Dannenberg's, Zeitschr.f. Num. vi. 166 (note), who, however, gives the coins to Bartria. India is a far more reasonable attribution.

[^1]:    * xli. 4.
    $\dagger$ Gardner, The Parthian Coinage, p. 3.
    $\ddagger$ Br. Mus. Catalogue of Seleucid Coins, p. 15. Cf. Num. Chron. 1881, p. 11.
    $\S$ xli. 4. Justin calls Diodotus Theodotus. But Trogus Pompeius seems to have had the name right, Prol. lib. sli.

[^2]:    * Some were found in the Indus at Attok. See Cunningham, in Num. Chron., 1869, p. 137. † xli. 6.

[^3]:    * Geog. xl. 11, 1. Most of Strabo's statements as to early Bactrian history are loose and incorrect. For instance, he speaks of the revolt of Arsaces as subsequent to the rise of Euthydemus.
    + In Encycl. Brit., Persia, p. 590.
    $\ddagger$ Numism. Chron. 1879, p. 274. That this coin is of iron, is now, I am informed, denied.

[^4]:    ＊See page 19，pl．vi．9， 10.

[^5]:    * "Multa tamen Eucratides bella magna virtute gessit, quibus adtritus cum obsidionem Demetrii regis Indorum pateretur, cum cec. militibus lx. milia hostium adsiduis eruptionibus vicit. Quiuto itaque mense liberatus Indiam in potestatem redegit. Unde cum se reciperet a filio quem socium regni fecerat, in itinere interficitru:"-Justin, xli, 6.

[^6]:    * There does not seem to be any conclusive evidence on the point. v. Sallet quotes the imitation of Eucratides' types by certain early Arsacid kings as a proof that Eucratides' reigy began early; but the attribution of the early coins of the Arsacidae is a matter of dispute.
    $\dagger$ According to Cürningham, they are found at Balkh, in Bokbara; Seistan, the Kabul Valley, \&c., and a few in the Panjab.
    $\ddagger$ For instance, Arsaces VI., Mithradates I. See Gardner, The Parthian Coinage, p. 31. Other writers attribute these coins to others of the Arsacidae.
    § B. M. Cat. Seleucidae, pl. xv. 2, p. 50.
     sl. 11, ed. Kramer. The names seem corrupt, and have been variously amended.

[^7]:    * See Dr. Flight's analysis in Num. Chron. 1868, p. 305.

[^8]:    * See below, p.lviii . $\quad \dagger$ Journal Asiatique, 8th Ser., vol. ii. p. 348.

[^9]:    * About b.c. 31, Phraates, with the help of a Scythian army, expelled Tiridates from the government of Parthia.

[^10]:    * Num. Chron. 1872, p. 161.

[^11]:    * xi. 11. 1. + De Repub. Ger., p. 821.
    $\ddagger$ Periplus maris Erythraei, c. 47, ed. Müller.
    § Num. Chron. 1870, p. $221 . \quad| |$ Ibid., 187.0, p. 77.

[^12]:    * Gen. Cunningham's readings have not been accepted by the best numismatists. Von Sallet remarks, "Such interpretations and experiments have too weak a hasis to serve for historical investigations." See also the remarks of M. Chabouillet in the Revue Numism., 1867, p. 403.

[^13]:    * See below, p. li.

[^14]:    * These reverse titles are really written in Indian. I give, for convenieace, the Greek equivalents.
    $\dagger$ This is sufficient proof that the assumption of the title Baoincis $\beta a \sigma i \lambda \epsilon \omega \nu$, 'Maharäja adhiräja', does not imply a claim to general supremacy.

[^15]:    * Cnnningham, in Journ. As. Soc. Bengal, vol. xxiii. Cf. also Gutschmid, Rhein. Mus. 1864, p. 161, and von Sallet in Zeitschr. f. Num., 1880, p. 296. Gutschmid shows that Gaspard, one of the three kings of the Christian legend, is identical with Gondophares.

[^16]:    * Journ. R. As. Soc., 1875, p. 379.
    $\dagger$ Gardner, Parthian Coinage, pl. ii. 19.

[^17]:    * Not Pacorus. Almost all the names of the kings of this class end in -es ; I bave therefore kept that ending in doubtful cases, such as Maues and Spalirises.
    $\dagger$ Periplus maris Eryth., c. 38. Cf. Mommsen, Röm. Geschichte, vol, v., p. 352.

[^18]:    * Zeitschrift f: Num., 1879, p. 356. The text reads 'Vologeses I.'; following the erroneous numbering of Prokesch-Osten.
    $\dagger$ On other specimens the letters take the form TTT \&c. They may have no meaning.
    $\ddagger$ In the text this form is used in the legend of King Nicias, who certainly reigned earlier than $8 \mathrm{~A} . \mathrm{D}$. But on the actual coins of that king the letter is rounder, and of earlier type.

[^19]:    * A similar coin in the possession of M. Tiessenhausen seems to read $\Sigma$ АИAB. КоГГАЙҮ. See Thomas, R. A. S. Journal, 1883, p. 75.

[^20]:    * On a coin probably similar to our pl. xxiv. 13, Mr. Thomas reads Guāth in Pehlvi characters (Sassanian Inscriptions, p. 10). Our coin is not sufficiently complete for me to be sure of the reading.

[^21]:    * On the Saka, Samvat and Gupta Eras, J. R. A. S. 1880, p. 259. Cf. Max Müller, India-What can it teach us? p. 291.

[^22]:    * Cunningham, Archaeological Reports, iii. 30. Dowson, J.R.A.S. vii. p. 381. $\dagger$ Pages 156-8.
    $\ddagger$ See above, p. xlvii.

[^23]:    * Jainism, or the Early Faith of Asoka ; J. R. A. S. 1877.
    $\dagger$ Abhandlungen f. d. Kunde des Morgenlandes, vol. vii. (1881), no. 3, p. 139 sqq.

[^24]:    * A long dissertation on her by Hoffmann, l. c., p. 130.

[^25]:    

[^26]:    * The word advaya is due to a suggestion of Mr. Bendall ; the full form would be advaya-vādin, 'he who speaks of the one (knowledge).'

[^27]:    ＊The dietinction hetween long and ehort $a$ is not preserved in this table，as the two forms seem to be used almost indiscriminately．

