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# GOPTIC OSTRACA FROM MEDINET HABU 

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## PREFACE

THE ostraca published in this volume were found in the course of the Oriental Institute's excavation of Medinet Habu. ${ }^{1}$ They all came from the season of 1929/30 and were briefly mentioned in Professor Uvo Hölscher's preliminary report entitled The Architectural Survey: 1929/30 (OIC, No. 10 [1931], pp. 50 f.). Most of the ostraca were not in situ, and only a minority were given field numbers allowing identification of the particular places in which they were discovered. I have listed these field numbers and their corresponding location figures, in order to give the reader some indication of the area from which the ostraca came. The location figures should be looked up on the maps of Medinet Habu published by Hölscher in The Excavation of Medinet Habu, Vol. I: General Plans and Views (OIP, Vol. XXI [1934]). In particular the map of Plate 32 should be consulted. In general it can be said that most of the ostraca came from the central part of the Coptic town, the part which was built within the great girdle wall of Ramses III, and especially from the northern section of this area.
The four hundred ostraca in this volume constitute less than half of the total find. But the remaining ones are small and badly preserved fragments which are not worth publishing. One important group has been omitted because it has already been made available. These are the logos mpnoute texts which were published by Professor Walter Till in his "Koptische Schutzbriefe" (MDIAA, Vol. VIII [1938]).
When Elizabeth Stefanski, to whom the publication of the ostraca had been entrusted, died suddenly in the summer of 1948, she left behind the finished hand copies of the four hundred texts and a number of translations in draft form. Since her translations were tentative and were not accompanied by notes, I have not reproduced them but have written my own translations and notes and a general introduction. The hand copies, on the other hand, are entirely her work, though I have, of course, collated the readings and have made a number of minor changes. For the translations I have adopted the method of rendering the most important texts in full and summarizing the others more or less briefly. The custom of including in parentheses the Greek terms which the Coptic texts employ has been abandoned, in order to keep printing costs at a minimum. Economy is also responsible for the very small number of photographic plates, which allow no more than a sampling of the main types of handwriting.
In the rendering of personal names I have aimed at simplicity rather than consistency. Biblical names are given in their standard English forms, non-Biblical Greek names in either Greek or Latin garb, and native Egyptian names have been transliterated literally or rendered in their grecized spelling.
It is a pleasure to thank Professor W. F. Edgerton for having read, and commented on, the manuscript before it went to press.
M. Lichtheim

## Chicago, Illinois <br> January 10, 1950

To H. J. Polotsky's stay at the Oriental Institute at the time the book went through the press I owe some considerable last-minute improvements in the translations. I am happy to acknowledge this debt.
M. L.

June 9, 1952

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## LIST OF ABBREVIATIONS AND SYMBOLS

$B K U \quad$ Aegyptische Urkunden aus den koeniglichen Museen zu Berlin: Koptische Urkunden (Berlin, 1904)
Bürgsch. K. Sethe and J. Partsch, Demotische Urkunden zum aegyptischen Bürgschaftsrechte vorzüglich der Ptolemäerzeit (Leipzig, 1920)
CO W. E. Crum, Coptic Ostraca (London, 1902)
Dict. W. E. Crum, A Coptic Dictionary (Oxford, 1939)
Epiph. H. E. Winlock and W. E. Crum, The Monastery of Epiphanius at Thebes (New York, 1926)
Hall H. R. Hall, Coptic and Greek Texts of the Christian Period in the British Museum (London, 1905)
Krall J. Krall, Koptische Texte (Corpus Papyrorum Raineri II) (Wien, 1895)
$K R U$ W. E. Crum and G. Steindorff, Koptische Rechtsurkunden des achten Jahrhunderts aus Djême (Theben) (Leipzig, 1912)
MDIAA Mitteilungen des deutschen Instituts für ägyptische Altertumskunde in Kairo
OIC Oriental Institute Communications
OIP Oriental Institute Publications
PLond IV Greek Papyri in the British Museum, Vol. IV: The Aphrodito Papyri, ed. by H. I. Bell (London, 1910)

PLond V Greek Papyri in the British Museum, Vol. V, ed. by H. I. Bell (London, 1917)
Ryl. F. Ll. Griffith, Catalogue of the Demotic Papyri in the John Rylands Library (Manchester, 1909)
ST W. E. Crum, Short Texts from Coptic Ostraca and Papyri (Oxford, 1921)
Studien A. Steinwenter, Studien zu den koptischen Rechtsurkunden aus Oberägypten (Studien zur Palaeographie und Papyruskunde, Heft 19) (Leipzig, 1920)
Tor Coptic Ostraca, ed. by H. Thompson, in Theban Ostraca (University of Toronto Studies) (Toronto, 1913)
Varia W. E. Crum, Varia Coptica (Aberdeen, 1939)
ZA Zeitschrift für Assyriologie und verwandte Gebiete. Leipzig, 1886-
$Z \ddot{A} S \quad$ Zeitschrift für ägyptische Sprache und Altertumskunde. Leipzig, 1863

Brackets [] enclose restorations.
Parentheses () are used for explanatory additions in the English translations.
A row of four dots . . . . indicates a lacuna, or an illegible group of letters, of uncertain length.
One to three dots denote one to three missing or illegible signs. But the distinction between a lacuna of unknown length and one containing from one to three letters is often uncertain.
A short horizontal line -_ indicates that one or more words extant in the Coptic text have been omitted from the translation.

## TABLE OF NUMBERS SHOWING LOCATIONS

| $\begin{aligned} & \text { Publi- } \\ & \text { cation } \\ & \text { No } \end{aligned}$ | $\begin{aligned} & \text { Ostracon } \\ & N_{0} \end{aligned}$ No. | $\begin{aligned} & \text { Field } \\ & \text { No. } \end{aligned}$ | Field Location | $\begin{aligned} & \text { Publi- } \\ & \text { cation } \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & \text { Ostracon } \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { No. } \end{aligned}$ | Field <br> Location |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 | MH 2254 | 29.2 | G-H/10 | 156 | MH 4240 | 30.148 | R/9 |
| 26 | 2413 | 29.211 | N/11 | 158 | 4841 | 30.148 | $\mathrm{R} / 9$ |
| 27 | 2304 | 29.191 | Q/10-11 | 173 | 2231 | 29.190 | Q/12-13 |
| 28 | 2172 | 29.21 | F/5 | 185 | 2283 | 29.191 | Q/10-11 |
| 50 | 2420 | 29.211 | N/11 | 222 | 2213 | 29.99 | N/11 |
| 51 | 2408/2423 | 29.211 | N/11 | 227 | 2274 | 29.191 | Q/10-11 |
| 52 | 2430 | 29.211 | N/11 | 228 | 2236 | 29.190 | Q/12-13 |
| 53 | 2449 | 29.204 | Q/13 | 234 | 2275 | 29.191 | Q/10-11 |
| 54 | 2428 | 29.211 | N/11 | 278 | 2498 | 29.348 | On NW cor- |
| 55 | 2411 | 29.211 | N/11 |  |  |  | ner of |
| 58 | 2403 | 29.211 | N/11 |  |  |  | great wall |
| 59 | 2414 | 29.211 | N/11 | 281 | 2227 | 29.99 | N/11 |
| 60 | 2416 | 29.211 | N/11 | 283 | 2230 | 29.190 | Q/12-13 |
| 66 | 2418/2432 | 29.211 | N/11 | 294 | 2279 | 29.191 | Q/10-11 |
| 69 | 2499 | 29.348 | On NW cor- | 319 | 2284 | 29.191 | Q/10-11 |
|  |  |  | ner of | 322 | 2480 | 29.21 | F/5 |
|  |  |  | great wall | 324 | 2349 | 29.127 | M/11 |
| 70 | 2415 | 29.211 | N/11 | 339 | 2214 | 29.99 | N/11 |
| 71 | 2429 | 29.211 | N/11 | 343 | 4016 | 30.2 | In debris S |
| 72 | $\begin{gathered} 2409 / 10 \\ 2431 \end{gathered}$ | 29.211 | N/11 |  |  |  | of excavation house |
| 73 | 2419 | 29.211 | N/11 | 347 | 2215 | 29.99 | N/11 |
| 83 | 2405 | 29.211 | N/11 | 357 | 2171 | 29.21 | F/5 |
| 84 | 2422 | 29.211 | N/11 | 359 | 2247 | 29.190 | Q/12-13 |
| 89 | 3990 | 30.2 | In debris S | 364 | 2276 | 29.191 | Q/10-11 |
|  |  |  | of excava- | 371 | 2170 | 29.21 | F/5 |
|  |  |  | tion house | 380 | 2358 | 29.127 | M/11 |
| 93 | 2424 | 29.211 | N/11 | 384 | 2348 | 29.127 | M/11 |
| 96 | 2427 | 29.211 | N/11 | 385 | 2239 | 29.190 | Q/12-13 |
| 105 | 4244 | 30.143 | N/13-14 | 394 | 2450 | 29.204 | Q/13 |
| 130 | 2232 | 29.190 | Q/12-13 | 397 | 4021 | 30.2 | In debris S |
| 139 | 2482 | 29.314 | Q/11 |  |  |  | of excava- |
| 151 | 2412 | 29.211 | N/11 |  |  |  | tion house |

## INTRODUCTION

THe Coptic town of Jëme, or "Kastron Jēme," as it was often called, grew up in the ruins of the huge temple of Ramses III at Medinet Habu. Filling the temple area with a compact mass of houses and expanding a little way beyond the great girdle wall, the town touched the foothills of the western Theban desert, which was then thickly dotted with the dwellings of hermits and monks. From the town area as well as from the neighboring desert hills there have come large numbers of Coptic documents, the most important group being the so-called Jēme Papyri, which derived from the archives of the monastery of St. Phoebammon. ${ }^{1}$ The monastery of Epiphanius has contributed another large group of texts, ${ }^{2}$ while the rubble of the town itself has from time to time yielded quantities of ostraca which, when published, could not be assigned to specific buildings or localities within the town. ${ }^{3}$ This regrettable vagueness also attaches to the ostraca in this volume. They too permit no inferences regarding the buildings they came from. Thus the numerous references in Jēme papyri and ostraca to the town's churches and to the near-by monasteries have, with a few exceptions, not led to identification of the buildings or to a reconstructed view of the town as a whole. Nor has the life span of Jēme been established within exact limits. All one can say is that it was abandoned (not destroyed) some time in the ninth century and was not reoccupied thereafter.
Most Jēme texts are known to date from the seventh and eighth centuries. Among them two classes definitely belong to the eighth century. They are the Jeme Papyri, some of which bear a date, and the numerous tax ostraca, which, through the evidence of script and names of scribes, could be related to the papyri and assigned to the middle of the eighth century. ${ }^{4}$ The four hundred ostraca in this volume belong to the same two centuries. Whether a few of them may go back to the latter part of the sixth century I do not know. Some probably date from the beginning of the seventh century. They are the correspondence of the monk Frange, a personality well known from previously published ostraca and believed to have been a witness of the brief Persian occupation of Egypt (A.D. 619-29). ${ }^{\text {b }}$ Thus it is likely that a certain number of the texts antedate the Arab conquest, but the majority come from the time of the Arab occupation and approximately the first hundred years of Arab rule.

Deriving from the town proper, the ostraca deal with the affairs of the townspeople, and only a few concern the desert monks and monasteries. Ecclesiastical matters are also rare; there is but a single letter from a bishop. This distinguishes our collection from the preponderantly monastic and ecclesiastical texts which came from the monastery of Epiphanius and which have shed so much light on the life and occupations of the hermits.
The townspeople were of course primarily engaged in farming; and their business affairs as revealed by the texts center on the buying, selling, borrowing, and lending of agricultural produce. Unfortunately, only the local church officials, presbyters, deacons, and lectors, who often acted as scribes for the illiterate villagers, were accustomed to signing their titles along with their names, while the townsmen by and large do not mention their occupations, thereby withholding from us a kind of information which would have done much to help dispel the darkness which shrouds their lives from our view.

[^1]Of the many churches of Jēme mentioned in other Jēme texts ${ }^{6}$ the ostraca name but two: the churches of Apa Victor and of Apa Cyriacus; and there is one reference to the monastery of Apa Phoebammon. The letters addressed to inhabitants of Jēme came from near-by villages, notably from Terkot. References to other towns include Koptos and of course very often Ermont, which was the capital of the district to which Jēme belonged and the residence of the pagarch. Only one document mentions the metropolis of the Thebaid and seat of the duxAntinoë.
Aside from the religious texts, of which there are only a few scraps, the ostraca fall into the four main categories made familiar by previous publications: documents of private law, letters, lists and accounts, and tax receipts. While the tax receipts are the most numerous, the documents of private law form the most important group.
It is well known that the legal framework of Coptic business documents is the Roman provincial law, such as it had been in Byzantine Egypt, and that the entire legal terminology employed in Coptic documents, whether retained in the original Greek phrases or translated into Coptic terms, is based on, and derived from, Greco-Byzantine legal language. Naturally, this legal terminology as adopted by the Copts became subject to modification and change. It is regrettable that we are still without the systematic survey of Greco-Coptic legal terminology which was to have formed part of the commentary of the Jēme Papyri. ${ }^{7}$ In the absence of it, I have made only occasional references to parallel Greek documents and Greek phrases underlying the Coptic usage.
The legal or business documents (using the terms interchangeably) consist of the following groups: (1) Debt acknowledgments, embodying a promise to repay the borrowed amount at a specified date, with or without interest. The date is usually given in terms of a month, the preferred month being Paone, i.e., the harvest season. (2) Debt acknowledgments, including reference to a security given at the time the debt was incurred and which will be forfeited if the debt is not paid at the designated time. (3) Redemptions of securities. (4) Renunciations of securities, with or without reference to a debt. (5) Miscellaneous contracts. (6) Oaths.
All the oaths have an assertory character. They affirm that a condition has been fulfilled, or that a certain statement is true, or that a specified misdeed such as embezzlement has not been committed. This last type presumably belongs to the category of pistis-oaths which Seidl has discussed. ${ }^{8}$ The oaths do not name the deity as witness; instead, they invoke the power of a sacred place, thus suggesting that they were sworn in a church. ${ }^{9}$
A word must be said about the Coptic method of dating. It is known that in Coptic ostraca the date consists of the month and the year of the current indiction cycle and that there is no mention of regnal years. It seems to me certain, however, that the texts employ an additional method of dating which has not been fully recognized. This is the eponymic dating after the lashane, the headman of the township or village. ${ }^{10}$ In this dating the name or title of the lashane is preceded by the preposition nahrn, which is usually translated as "before" or "in the presence of," but for which Steinwenter has shown that in certain contexts it equals Greek epi with the meaning "under," i.e., "in the time of." ${ }^{11}$ In the documents for which Steinwenter proved the eponymic date introduced by nahrn, it applies to the dioiketes and not to the low-

[^2]er-ranking lashane; but Steinwenter has also pointed to the eponymic function of the lashane by quoting the Turin ostracon from Jëme in which an eclipse of the sun is noted as having occurred "on the fourteenth of Phamenoth in the fourth indiction, the year in which Peter, son of Palou, was lashane of Jēme." ${ }^{\prime 2}$ Now, a perusal of our ostraca will make it clear beyond any doubt that the office of lashane was made to serve the purpose of eponymic dating just as consistently as that of the dioiketes (though this dating does not, of course, extend beyond the range of the village or township). One has only to look at the position which the phrase nahrn plasane occupies in the texts in order to see that it forms part of the date of the document, for it occurs invariably after the month date. Furthermore, (and this is especially revealing) the dating after the lashane alternates with the dating after the indiction year. In other words, the ostraca employ either of two methods: they give the month date followed by the year date, or the month date followed by nahrn plašane; and in no case is the phrase nahrn plas̆ane present when the indiction year has been named. ${ }^{13}$ Hence it is clear that nahrn plašane equals, or is a substitute for, the year date. Apart from all this, it is obvious that the presence of the lashane was not required in simple business transactions. It was only in cases of litigation that the services of a magistrate became necessary; and in such cases, phrases like "we contended with you before our lord the dioiketes ${ }^{\prime 14}$ show the very different context in which nahrn means "before."

The currency in which the business transactions are conducted appears to be the normal Byzantine one. Not all the Byzantine denominations occur. Those mentioned are the gold solidus, or nomisma, which headed the monetary system and for which in Coptic the name holokotinos was used, a term which appears first in fourth-century Greek but which is not as common in Greek and Latin usage as it is in Coptic ; the gold tremis or one-third of a solidus; and the carat (keration or siliqua), twenty-four of which made up one solidus. The semis or half-solidus is not mentioned by name in the texts, but payments in half-solidi as well as in half-carats and half- and quarter-tremisses are common. The carat has been called a silver coin by many scholars, but this is not generally true. In Coptic documents the carat is commonly referred to as a bronze coin, while in Ostracon No. 82 it is spoken of as gold. This bears out Segre's remark that the carat is not a silver coin but a gold reckoning unit. ${ }^{15}$ Finally, we meet in the texts the small bronze coin se, which has not been identified with any of the Byzantine denominations. In Dict. $547 a$, Crum has tentatively equated the se with the carat; but the passage on which this guess is based is too uncertain to allow any deduction. ${ }^{16}$ Moreover, the evidence, such as it is, leads to the conclusion that the $s e$ is considerably less than the carat. For example, in Epiph. I, p. 147, Crum quotes a text in which eight se buy one oipe (i.e., one-sixth of an artaba) of lentils. Now, if the se equaled the carat, the price of one artaba of lentils would be 48 carats or two solidi. This figure is absurd, for it would represent a price about 24 times that of wheat. It is true that not as much is known about the price of lentils as about that of wheat; but there is evidence that lentils sold for about three carats per artaba, ${ }^{17}$ which makes their price slightly higher than that of wheat. I believe that we may go one step further and suggest that the se equaled about one-tenth or one-twelfth of a carat. I deduce this figure from our text No. 75, in which a person who has received the sum of 40 še in exchange for a vessel renounces any further claim to the vessel and sets a fine of one tremis on violation of the agree-

[^3]ment. Now, the fines set on contracts of this kind are usually higher than the sums of money involved in the transactions, often exactly twice the amount in question. Hence we may assume that 40 se are considerably less than one tremis and perhaps about equal to one-half tremis or four carats.

Of the several dry measures which appear in the texts, the artaba, ment, ho, maje, oipe, and mosne are familiar, although their respective sizes are only partially known. Another capacity measure, the shokas, appears only here.

Disregarding the changes and fluctuations in size which the artaba underwent, we may repeat Wilcken's conclusion that the artaba, whatever its size, stood at the head of the measuring system. ${ }^{18}$ In the period with which we are concerned, the artaba as a rule equaled six oipe or twelve maje. We know less about the ho, ment, and mosne, but I believe that we may hazard a guess for each of them.

In Dict. $650 a$ the ho is stated to be larger than the maje. In one of the passages quoted there (i.e., Hall, p. 131), an amount of lentils consists of "one ho and eight maje." This shows that the ho is larger than three-fourths of an artaba. Hall (loc. cit.) equates the ho with the medimnos. I do not know his reasons for doing so, but the equation is plausible enough, for the medimnos at various times occupied a position similar to that of the artaba and was, moreover, thought to equal the Persian artaba. ${ }^{19}$ Thus, the difference, if any, between our artaba and the ho cannot have been great. This is also suggested by Ostracon No. 52, where a debt is to be paid by one artaba of dates or one ho of wheat. Now, it is known that the average price of wheat was two carats per artaba; and if there is evidence that the price of dates approximates that of wheat, we may conclude that the ho approximates the artaba. Such evidence is contained in PLond IV, No. 1375, where the value of one artaba of dates is given as one-twelfth of a solidus, i.e., two carats. ${ }^{20}$ Hence one may tentatively conclude that the ho is about equal to the artaba.

In reckoning the size of the ment, I start from the fact that the ment is known to be smaller than the artaba (Dict. 176a). The widely diverging information about the ment supplied by various texts had made it impossible to arrive at a closer estimate. ${ }^{21}$ However, from the ostraca the following tentative deduction can be made. In No. 50 a loan of a quantity of wheat is to be repaid with an interest of two maje per artaba. This is an interest rate of $1: 6$ or $16 \frac{2}{3}$ per cent. The same rate of interest occurs in No. 65 . Now, in No. 55 one artaba of wheat is to be repaid with interest of one ment per artaba. If we assume the interest rate to be the same as in the other two documents, the ment would equal two maje. But this remains a guess until borne out by further evidence, for the interest rate need not have been uniform. A similar guess, with the same insecurity attached to it, can be made for the mosne, a vessel or dry measure for which the evidence is so scant that not even the vaguest estimate has been put forward (see Dict. $186 b$ ). In No. 58 the interest on a loan of one tremis is one mosne of sesame, and in No. 60 the interest on one solidus is one artaba of sesame. Thus the sum loaned in No. 58 is one-third of the sum of No. 60, and the commodity in which the interest is to be paid is the same. Now, if the two transactions are based on the same rate of interest, whatever that rate may be, it would follow that a mosne is one-third of an artaba, or four maje.

As to the shokas, which occurs only in No. 50 (the reference in Dict. 557a is to this ostracon), its capacity seems to be greater than that of the artaba, for in that document a loan of one shokas of wheat carries an interest of two maje per artaba (thus yielding the interest rate of 1:6 quoted above). The point to be made here is that the interest is not likely to be stated in terms of artabas unless the shokas is larger than the artaba, possibly a multiple of it.

[^4]Two measures that serve both for liquids and solids are mentioned in the texts. They are the kois and the xestes. In No. 62 a debt of two kois of wine is to be paid in lentils and wheat. As the measure for the lentils and wheat is not mentioned, one may assume that they too are to be measured in kois. The size of the kois is unknown (cf. Dict. 120a). The xestes is the sextarius, which the Romans introduced in Egypt. Lastly, the texts mention the diplē, the common wine measure.
What was the market value of the basic commodities which appear in these texts? Greek papyri and Coptic ostraca have yielded considerable information on the price of wheat. ${ }^{22}$ In our period one solidus may buy as little as $10 \frac{1}{2}$ artabas or as much as 18 artabas of wheat. But the average of about 12 or 13 artabas for one solidus constitutes the normal price. Our ostraca confirm this conclusion. In No. 143 one tremis buys four artabas and four maje of wheat; in other words, the price is 13 artabas to the solidus. For barley we have less information. One ostracon gives the price as four carats for six artabas. ${ }^{23}$ This would amount to less than half the price of wheat. Elsewhere the ratio of the price of wheat and barley has been given as $2: 3 .{ }^{24}$ Lentils, as we have seen, ${ }^{25}$ were somewhat more expensive than wheat. For sesame and orax (a kind of clover), both of which occur often, I cannot quote prices. As to fruits, only dates are mentioned in our ostraca; and we have already seen that in a contemporary Greek papyrus their price equals that of wheat. ${ }^{28}$ Lastly, the texts often mention wine, but no prices are given. We gain little new information about the price of clothing. In No. 88 a woman's dress has been bought for four tremisses. This seems a very high price if one compares it with the price in another ostracon (CO, Ad. 30), where one tremis buys twelve pairs of linen garments. Perhaps this dress was not an everyday garment but an embroidered or otherwise costly piece.
We have seen that two of our documents, Nos. 50 and 65 , reveal an interest rate of $1: 6$ or $16 \frac{3}{3}$ per cent. The loans here and in the similar texts are short-term loans. Some of them consist of agricultural commodities and are to be repaid in similar products; others are cash loans, to to be paid in foodstuffs. It cannot be told from these texts whether the two types of loans carried basically different interest rates; but the possibility of such a difference should not be ruled out, for Byzantine legislation shows that, before Justinian, loans of foodstuffs bore considerably higher interest rates than money loans. ${ }^{27}$ Through the laws of Justinian an attempt was made to keep all rates of interest at fairly low levels: from 4 per cent to 8 per cent on business transactions of various types and a maximum of 12 per cent on all short-term loans, whether in money or in kind. This legal maximum of 12 per cent interest on loans had in fact been the normal rather than the maximal rate. How, then, should we account for the considerably higher rate of our documents? First, it may be said that with the disappearance of Byzantine rule the rates were bound to reach their own levels, dictated by circumstances and not by legislation; and there is no indication that the Arab rulers, despite Islam's prohibition of all lending at interest (which was anyhow circumvented by certain established practices), interfered with the business methods of the Coptic population. Secondly, it is noteworthy that in Byzantium itself the rate of $16 \frac{3}{3}$ per cent was known and perhaps constituted the actual maximum: The emperor Nicephoros I used it as a means of securing revenue. He forced the wealthy shipowners

[^5]to accept state loans and repay them with interest of $16 \frac{3}{3}$ per cent. ${ }^{28}$ This same interest rate occurs in a private money loan in A.D. $597 .{ }^{29}$
Apart from a small number of white limestone flakes, the texts are written on pottery sherds of various kinds. The dominant type among them is a dark-brown, strongly ribbed ware which came primarily from wine jars. This pottery is thick and durable, and most of the more important business contracts in this collection were written on it. In the letters, a greater variety of pottery types can be observed (in addition to the use of limestone flakes). Those written on thin sherds are almost always fragmentary. As to the tax receipts, W. Till has observed that they are usually written on one particular type of pottery which is characterized by a glaze, yellow or reddish in color, which hardened the surface and made for a durable sherd. This observation, however, requires some modification; for while it holds true for the majority, there is in this volume a substantial minority of tax ostraca written on unglazed sherds of various types.
${ }^{28}$ Ostrogorsky, op. cit., pp. 308-9.
${ }^{90}$ Johnson and West, op. cit., p. 168.

## TRANSLATIONS AND SUMMARIES

## I. MISCELLANEOUS RELIGIOUS TEXTS

1. (MH 3636) Light-brown pottery with yellow slip.

Quotation of Num. VI:25-27.
2. (MH 2734) Red ribbed pottery with reddish slip; inscribed on both sides; recto illegible.
(Verso) "—— Let us give glory to God who created every thing. Let us praise Him . . ."
3. (MH 3662) White limestone; inscribed on both sides.

Obscure, owing to numerous lacunae.
4. (MH 4482) Reddish-brown pottery with buff slip; inscribed on both sides.
"The name of the centurion who hanged Jesus to the cross was M . . . . oter. The king (was) Tiberius. The name (sic) of the Magi, (5) those who came out of the East, were these: Bathezora, who was the one who brought the gold, and Melchior, who was (verso) the one who brought the frankincense, and Thaddias, who was the one who brought the myrrh. And they worshipped him, (5) saying: 'The king of kings is he, the one to whom belongs the glory.'"

## II. LISTS AND ACCOUNTS

5. (MH 855) Brown ribbed pottery with traces of black pitch coating inside.

Two lists of household goods and a letter:
"Two carvings, three coverlets, four pillows, two sheets, (5) one bronze brazier, one candlestick, ${ }^{1}$ two frying pans, one image of bronze, one lion(?) of bronze, (10) one vessel, ${ }^{2}$ one xestes, one censer, one sickle, one —__, ${ }^{8}$ (15) one handle(?), ${ }^{4}$ one —_, ${ }^{5}$ four cups, one basket, ${ }^{8}$ one jar, ${ }^{7}$ (20) one bronze bucket, one bronze cover, one bronze cup(?). ${ }^{8}$ This is the list of my father's chattels. (Second column) Those which have been given to Sabek: Three dyed dresses, (5) two cloaks, two napkins, eight -__, ${ }^{9}$ one pillow, one sheepskin, (10) eight garments, one frying pan, one _, , ${ }^{10}$ one censer, one image of bronze, (15) one candlestick. I greet your always revered fatherly piety. (20) Be so kind as to do it for God's sake; make a settlement between my own sister and Sabek and decide their affair. Whether you send . . . "
${ }^{1}$ On kerōn see Epiph. II, No. 545, n. 8.
${ }^{2}$ For this vessel see Epiph. II, No. 549, n. 2.
${ }^{3}$ This may or may not be the word abe of unknown meaning listed in Dict. 2a.
"Probably the word "hand" in the meaning of "handle" or "spade."
${ }^{5}$ Is this chëra, "gridiron," discussed by Stern in ZÄS, XVI (1878), 17 ?
${ }^{-}$Panarium, not always for bread; see Epiph. II, No. 548, n. 6.
${ }^{7}$ The kounjou vessel, made of metal or pottery, occurs often.
${ }^{8}$ Loke $=$ lok?
${ }^{-}$Meaning uncertain; see Dict. 46a.
${ }^{10}$ See n. 5.
6. (MH 4156) Thin red pottery with reddish slip.

Short list of names.
7. (MH 2671 and 4263) Thin reddish-brown pottery with reddish slip. Short list of names.
8. (MH 4457) Brown ribbed pottery.

Short list of names.
9. (MH 4071) Light-red pottery with reddish slip.

Short list of names.
10. (MH 2282) Red pottery with reddish slip. Writing on inside.

An account with names and sums of money. Many lacunae.
11. (MH 2460) Red ribbed pottery with red slip.

Fragment of an account.
12. (MH 4036) Brown ribbed pottery with black pitch coating inside.

Small fragment of a list.
13. (MH 4539) Brown ribbed pottery.

Short list of vessels.
14. (MH 4217) Red pottery with buff slip.

Short list of names.
15. (MH 1055) Triangular piece of reddish-brown pottery with yellow glaze.

List of names:
"David (son of) Severus, Joseph (son of) Jeremiah, Kerakos (son of) Samuel, Shinute (son of) Matthew, Shinute (son of) John, Piaron (son of) Enoch, Pishate (son of) Joseph, Torosh (son of) Victor, . . Noah."
16. (MH 4145) Thin red pottery with reddish slip.

List of names with figures opposite them.
17. (MH 2018) Reddish-brown pottery with reddish-brown slip.

Short list of names.
18. (MH 827) Thin red pottery with reddish slip. Fragment of a list.
19. (MH 3228) Thin red pottery with reddish slip.

List of names. Each name is followed by the symbol for zeugē, "pair," for which see $C O$, Ad. 36, and a numeral.
20. (MH 2882) Thin red pottery with red slip.

Notation regarding ownership of parts of houses.
21. (MH 2866) Thin red pottery with red slip.

Fragment of a list of names.
22. (MH 3693 and 3741) Red pottery with light-brown slip.

List of names.
23. (MH 3720) Brown pottery.

Small fragment of a list of names.
24. (MH 2254; 29.2) Red pottery with reddish slip.

List of names. The last name is that of the well-known scribe Aristophanes, son of John, who is probably the writer of this sherd.
25. (MH 2848) Brown ribbed pottery with black pitch coating inside. Small fragment of a list of names. Each name is followed by a numeral.
26. (MH 2413; 29.211) Brown ribbed pottery with black pitch coating inside. Plate III. Short list or account.
27. (MH 2304; 29.191) Brown pottery with reddish-brown slip. Writing on inside. Plate III. List of utensils:
"One small jug, one large jar, one covered lamp, ${ }^{1}$ one frying pan, (5) one large wheel, one small wheel, one small jar of bronze, three (10) vessels ${ }^{2}$ of bronze."
${ }^{1}$ Or "lamp-cover"?
${ }^{2}$ Apparently for $j i n h o m t$; see Dict. $752 a$.
28. (MH 2172 ; 29.21) Brown ribbed pottery.

An account containing names of men and women and the measures ment, maje, and shop.
29. (MH 1995) Brown ribbed pottery with traces of black pitch coating inside. Plate III. List of names. Each of the last four names is preceded by the numeral 3.
30. (MH 1893) Brown ribbed pottery.

List of names.
31. (MH 1821) Red pottery with reddish slip.

Short list of names. The first name is accompanied by the notation "one solidus."
32. (MH 1664) Thin red pottery; inscribed on both sides.

Small obscure fragment.
33. (MH 1112) Reddish-brown pottery with yellow glaze.

List of names.
34. (MH 1075) Brown ribbed pottery.

List of names accompanied by sums of money.
35. (MH 1066) Reddish-brown ribbed pottery.

Fragment of an account. Each name is followed by a sum of money.
36. (MH 1214) Brown ribbed pottery with black pitch coating inside.

Fragment of a list of names.
37. (MH 1166) Brown ribbed pottery with black pitch coating inside. An obscure account.
38. (MH 1393) Brown ribbed pottery with black pitch coating inside. Short list of names.
39. (MH 257) Ostracon now missing. List of names.
40. (MH 583) Brown ribbed pottery with traces of black pitch coating inside. Plate IV. List of names and sums of money in solidi and carats with sum total given at end.
41. (MH 544) Red pottery with reddish slip.

A list of persons owning a number of vessels.
42. (MH 586) Brown ribbed pottery with traces of black pitch coating inside. Plate IV.

List of names with numerals opposite each.
43. (MH 977) Red pottery with red slip.

A short account. Compare with No. 41.
44. (MH 864) Red pottery with red slip.

List of names.
45. (MH 863) Red pottery with buff slip.

Short list of names.
46. (MH 862) Red pottery with red slip.

A short account of quantities of lentils, orax, ${ }^{1}$ and barley.
${ }^{1}$ Apparently a species of clover; see Epiph. I, p. 147, and II, No. 323; also Varia, No. 25, and Dict. $256 a$.
47. (MH 1048) Reddish-brown pottery with yellow glaze.

Short list of names.
48. (MH 869) Light-brown pottery with yellow glaze.

Fragment of a list.
49. (MH 4447) Red pottery with red slip.

Three names, each followed by the word "flax."

## III. DOCUMENTS OF PRIVATE LAW

## A. Debt Acknowledgments

50. (MH 2420; 29.211) Brown ribbed pottery. Plate I.

Promise to repay loan.
"Pses, son of Lase, writes, he owes to Koloje, completely pure, ${ }^{1}$ one shokas ${ }^{2}$ of wheat, and I shall give it to you in Paone together with its interest, ${ }^{3}$ which is two (5) maje to the artaba, without any objection. I, Pses, son of Lase, assent to this sherd. I, Isaac, son of Paul, was requested and wrote with my hand, and I am witness. I wrote on the twentyfifth of Paone, under (10) Abraham, son of Atheris. ${ }^{4}$ Matthew, son of Shai, witness. Mark, son of Samuel, witness."
${ }^{1}$ The curious expression jn holon katharön recurs in No. 51 in such faulty form that one may doubt whether the writer knew its meaning. I have not found it in other texts. It may be a translation of the Greek phrase katharon apo pantos, which describes the purity of wheat (cf. W. Spiegelberg, ZÄS, XXXVII [1899], 33; F. Ll. Griffith, Ryl. III, 150, n. 12; K. Sethe, Burgsch., p. 219).
${ }^{2}$ This measure does not occur elsewhere; see the Introduction.
${ }^{8}$ Sóm is not the usual word for interest (see Dict. 564b), but it occurs several times in this sense.
${ }^{4}$ No doubt the lashane; hence my translation "under," for which see the Introduction.
51. (MH 2408 and 2423 ; 29.211) Reddish-brown ribbed pottery.

Promise to repay loan.
"I, Tadore, daughter of Korsyne, write to Koloje, (5) completely pure," the woman of Jēme. I owe her one gold tremis-gold coin, 1 tremis-and this I am prepared (10) by the will of God to pay you in Paone, under Paul, son of Papnoute, the lashane, together with eight maje of interest. I, Tadore, assent to (15) this sherd. I . . . . son of . . . . witness. Ko . . . . witness."
${ }^{1}$ The phrase stands in the wrong sentence, and the spelling is ludicrous. Cf. No. 50, n. 1.
52. (MH 2430; 29.211) Brown ribbed pottery with traces of black pitch coating inside.

Promise to repay loan.
"I, Daniel, he writes to Koloje, he owes her one artaba (5) of dates or one ho of wheat, which I shall give to you in Thoth of the fifteenth (year). I, Daniel, assent to this sherd which I have (10) written on the twenty-sixth of Epep, under Manasseh."
53. (MH 2449 ; 29.204) Light-brown ribbed pottery with yellow slip. Plate I.

Promise to repay loan.
"I, Tsomanites (it is) who write to Ezekiel, who owe you one fourth (5) of a tremis, and I am prepared to give it to you in Paone, under Matthew, the lashane. I, Stephen, son of Jacob, wrote this sherd. David, son (10) of Matthew, witness. Zebedaeus, son of Moses, witness."
54. (MH 2428; 29.211) Brown ribbed pottery with black pitch coating inside.

Promise to repay loan.
"I, Tagape, daughter of Pmai, who lives in Roma in(?) Jēme, writes to Manasseh, son of Pegosh, ${ }^{1}$ who lives in Jēme, (5) district of Ermont, in the same nome. I owe you one artaba of wheat and one ment to the artaba, and one oipe of sesame, and (10) . . . maje as interest. ${ }^{2}$ These I am prepared to give you in the coming Paone . . . . son of Jacob, [wrote this] sherd on (15) the . . . . of Epep . . . . son of Pbelle, [I am] witness. Samuel . . . . I am witness. . . . ."
${ }^{1}$ The name has been inserted above the wrong line.
$2{ }^{2}$ Sōm; cf. No. 50, n. 3.
55. (MH 2411 ; 29.211) Brown ribbed pottery with traces of black pitch coating inside. Promise to repay loan.
"I, John, son of Pesenthius, the man of Terkot, write to Pegosh, son of (5) Manasseh, the man of Jème. I owe you one artaba of wheat and its interest, ${ }^{1}$ which is one ment of wheat, and I shall give it to you in Paone. (10) I, John, son of Methusela, wrote this sherd on the eighth (15) of Thoth."
${ }^{1} \Sigma_{\bar{o} m}$, as in Nos. 50 and 54, here spelled som.
56. (MH 2868) Brown ribbed pottery with traces of black pitch coating inside. Plate I.

Promise to repay loan.
"I, Palou, write to Daniel, saying: I owe you twenty $\begin{aligned} & \text { se of bronze. I am prepared to give }\end{aligned}$ them to you without any objection-and they are what I received from you-(5) on the twentieth of Pashons, under Papnoute, the lashane. I, Palou, assent to this sherd. I, Abraham, priest of (the Church of) Apa Cyriacus, he requested me and I wrote ${ }^{1}$ this sherd with my hand and I (10) witness."
${ }^{1}$ Sōh, not shai.
57. (MH 2625) Reddish-brown pottery with reddish-brown slip.

Promise to repay loan.
"In the name of the Father and the Son and the Holy Ghost, on this day, which is the eighth day of Tobe, I, Toulit, (5) daughter of John, in . . . . write to you, Maria, wife of Dioskoros, saying: Seeing that I asked your husband, and you gave half a (10) tremis in loaves to me for my pressing need, now, by the will of God, I am prepared to pay it to you in the coming Paone (15) without any dispute. For your assurance, then, I have drawn up this undertaking for you, which is confirmed . . . ."
58. (MH 2403; 29.211) Brown ribbed pottery. Plate I. Promise to repay loan.
"I, Michairs," son of Enoch, the man of Terkot, in the district of Ermont, write to Pekosh, son (5) of Kouloje, saying: By the will of God, I owe you one gold tremis, complete, and one mosne ${ }^{2}$ of sesame as interest on it; and I shall give it to you in Paone of the fifth (year) without any (10) objection to it. I am prepared to give it to you according as I have written above. I, Michaias, son of Enoch, assent to this sherd and everything written therein. I have drawn it up as an assurance for you in whatsoever place (15) it shall be displayed by any man. I, Moses, the humblest deacon of the Holy Church of Terkot, he requested me and (20) I wrote for him, because he does not know how to write, on the . . . "
${ }^{1}$ Note the frequent doubling of initial $m$ and $n$.
${ }^{2}$ The mosne is perhaps equal to one third of an artaba or four maje; cf. Introduction.
59. (MH 2414; 29.211) Brown ribbed pottery.

Promise to repay loan.
"I, Andrew, son of Matthew, the man of Terkot, in the district of Ermont, write to Pekosh, son of Manasseh, the ara in Jēme, saying: By the will of God, I owe you (5) two gold tremisses and their interest, amounting to eight maje of lentils for each, and I shall give them to you without any objection to it. I shall give them to you in Paone of the fourth (year) without any objection. I have drawn up this sherd as an assurance for you in whatsoever place it shall be displayed (10) by any man. I, Andrew, assent to this sherd and everything written therein, according as I have written above. I, Moses, the humblest lector, he asked me and I drew up this sherd on the (15) tenth of Tobe, in the fourth year. I, John, son of Pesenthius, am witness."
${ }^{1}$ The title ara is rare, and its meaning is unknown; see Dict. $14 b$.
60. (MH 2416; 29.211) Brown ribbed pottery.

Promise to repay loan.
"I, Michaias, son of Enoch, ${ }^{1}$ who belongs to Terkot, in the district of Ermont, write to Pekosh, son of Manasseh, ${ }^{2}$ in Jëme, a castrum of Ermont, saying: By the will of God, I owe you one gold solidus, full (weight) on your scales, and (5) this I am prepared to give you in Paone of the sixth (year) with its interest, which is one artaba of sesame, without any dispute. I, Michaias, son of Enoch, assent to this undertaking and everything written therein. I, Apa Dios, son of Paul, the humblest priest of the Church of Terkot, he asked me and I wrote (10) this undertaking; I wrote for him because he does not know (how to write), on the twentieth of Mechir, under Dios, lashane of Jēme, and I am witness. I, John, son of Pesenthius, ${ }^{3}$ am witness. I, Patape, son of Plein, am witness."
${ }^{1}$ This man is probably identical with his namesake of No. 58.
${ }^{2}$ This person may be the ara of No. 59 as well as the Pekosh, son of Kouloje, of No. 58, the creditor of the Michaias, son of Enoch, named there.
${ }^{2}$ Probably the same witness as in No. 59.
61. (MH 992) Brown ribbed pottery. Plate I.

Promise to repay loan.
"In the name of the holy and life-giving consubstantial Trinity of the Father and the Son and the Holy Ghost, I, Kosma, son of the late Isaac, in the Holy Mary, ${ }^{1}$ write to Peter, son of Ananias, in the castrum of Jēme, saying: Seeing that you have obliged me ${ }^{2}$ and have given ${ }^{3}$ three gold solidi to me for my need-total, 3 solidi-now, by the will of (10) God, I am prepared to give them to you in the month of Paone in wheat at the price which shall then prevail, ${ }^{4}$ and their interest, which is half an aroura ${ }^{5}$ of land which I shall sow for you in flax. (15) For your assurance, then, I have written this undertaking for you. It is confirmed and valid, and I assent to it. Written on Thoth 8, indiction 12. I, Joseph, wrote. I, Severus, the deacon, am witness. (20) I, Pgol, the humblest . . . ."
${ }^{1}$ Church or place-name?
${ }^{2}$ For this expression see Dict. $205 b$.
${ }^{3}$ The scribe wrote $j i$ instead of $t i$.
${ }^{4}$ Assuming this to be the meaning of $p$ šar etnēu ebol. It recurs in No. 132.
${ }^{5}$ Stiöhe is the usual equivalent for "aroura"; see Wilcken, Griechische Ostraka, I, 775, and Dict. 896.
62. (MH 2936) Brown ribbed pottery with traces of black pitch coating inside. Plate I. Promise to repay loan.
"I, Cyrus of Pajment, ${ }^{1}$ write to Andrew, who is in Jēme, saying: I owe you (5) two kois of wine, which I shall give to you in the sowing, one in lentils, the other in wheat. I, Cyrus, assent to it.—. ${ }^{2}$ I, Enoch, son of Abraham, (10) wrote on the 20th of Mechir."
${ }^{1}$ I have taken this as a place-name, but it could be a personal name.
${ }^{2}$ I cannot explain the last two words of this line.
63. (MH 1034) Brown ribbed pottery. Plate I.

Promise to repay loan.
"I, Isaac, son of Paul, the husbandman of the scholasticus,' ${ }^{1}$ write to Pbele, the man of Jēme, (5) saying: I owe you five artabas of wheat, and these I am prepared to give to you in Paone of the second (year) without any (10) dispute. . . . . I have written this . . . ."
${ }^{1}$ A scholasticus usually held important office. See M. Gelzer, Studien zur byzantinischen Verwaltung Äpyptens (Leipzig, 1909), pp. 34-35; and PLond V, p. 191.
64. (MH unnumbered) Brown ribbed pottery.

Promise to repay loan.
X (name lost) writes to Kani (father's name lost) that he owes him sixteen robes, for which he is prepared to pay in Thoth. George, son of John, wrote the sherd on the fifth of Epep, under the lashane Paul, son of Pouhar, and he signs as witness. Another witness is Esdra, son of Isaac.
65. (MH 4481) Brown ribbed pottery.

Promise to repay loan.
Papnoute, son of Andrew, citizen of Pashme, owes to Pisrael of Jēme eight and a half artabas of wheat and interest ${ }^{1}$ amounting to two maje to the artaba. ${ }^{2}$ He promises to pay out of the seed corn in Paone. A deacon whose name is lost wrote, and there was another witness.
${ }^{1}{ }^{2} \bar{o} m$, as in Nos. 50, 54, and 55.
${ }^{2}$ An interest rate of $1: 6$ or 167 per cent; cf. No. 50 .
66. (MH 2418 and 2432 ; 29.211) Brown ribbed pottery with black pitch coating inside.

Promise to repay loan.
Papnoute (father's name lost) owes to Daniel, son of Kalapesios, one solidus which he is prepared to repay with interest in Paone. Moses, the deacon, wrote the sherd in Epep and signs as witness.

## B. Securities

67. (MH 4451 and 4480) Light-red pottery with red slip.

Loan with security.
". . . . need arose I requested . . . . ——— . . . I I owe you eight ———² of sackcloth, and these I shall pay to you on the 20th of Epep, first (year). (5) If it should happen that the appointed time passes without my having paid them to you, it is you who are the owner of my securities, so that I cannot seek them from you, ever. I, Athanasius, son of the late (10) Papnoute, am witness. John, son of Isaac, I am witness. I, . . . "
${ }^{1}$ Demosios logos, in Greek usage, is the state treasure (fiscus) or the official in charge of it. It can also denote the local treasury of a township (see Johnson and West, Byzantine Egypt: Economic Studies, p. 175). In the Coptic documents from Aphrodito (PLond IV) it designates the Muslim governor of Egypt. In our text the lacunae unfortunately obscure the meaning.
${ }^{2}$ For hëne, a word of unknown meaning which occurs in connection with clothing, see Dict. 689a.
68. (MH 2985) Brown ribbed pottery with traces of black pitch coating inside. Loan with security.
The names of borrower and lender are lost. If the loan and its interest are not repaid at a certain date, the securities will belong to the creditor.
69. (MH 2499; 29.348) Brown ribbed pottery with traces of black pitch coating inside. Plate II.

Transfer of a security in payment of a debt.
" I , Abraham and his wife, we write to Maria, saying: Seeing that, when the need arose, you gave ${ }^{1}$ one and a half tremisses to me, and I, for my part, gave you a silver, ${ }^{2}$ (now) it is you (5) who are its owner and can sell it or keep it or give it to whomever you wish; for no one is able to proceed against you, ever, be it a son, or daughter, (10) or grandson, or kinsman near or distant, or anyone acting as my representative. Whosoever proceeds against you on account of it shall pay (15) two solidi and shall [come in] and comply with this document."s
${ }^{1} \mathrm{Ji}$ for $t i$, as in No. 61.
${ }^{2}$ Probably a silver object rather than silver money; cf. Epiph. II, No. 525 , n. 5 ; but see also Dict. $713 b$, ti hat, with reference to this ostracon.
${ }^{3}$ This document is an apotage, although not designated as such. Cf. No. 72.
70. (MH 2415; 29.211) Brown ribbed pottery with traces of black pitch coating inside.

Redemption of a deposit.
"I, Pia, daughter of Pelatos, the woman of Petemout, (5) write to Pegosh, son of Manasseh, the man of Jēme, saying: Seeing that I deposited securities with you, namely twenty-two articles of _ـ_ and fifteen articles (10) of bronze utensils, behold now you have given them (back) to me. I have no further business with you, nor has any child of mine. I, Pia, daughter of Pelatos, assent to everything written on this sherd. I, (15) Jeremiah, son of Samuel, [wrote this sherd] on the eighteenth of Paone, under Daniel."

[^6]71. (MH 2429; 29.211) Brown ribbed pottery with black pitch coating inside.

Return of a deposit.
Joseph, son of Plein, acknowledges to Manasseh the receipt of a solidus which he had deposited with him. He has no further claim against him. The document was written by a person whose father's name was Bathouel, and is dated Pashons 4, under Jacob, the lashane. It was signed by the scribe and two witnesses.
72. (MH 2409, 2410, and 3431 ; 29.211) Brown ribbed pottery with black pitch coating inside.
Transfer of a security.
"I, Mariam, daughter of Pebo, the woman of Petemout, write to Kouloje, daughter of Phello, the woman of Jēme, saying: Seeing that I deposited the (5) chain with you for two solidi, now, behold, I declare on this day, which is the fourteenth day of the month of Epëph, that I have no [means] of proceeding against you on its account, ever, (10) neither I, nor any heir of mine, nor any man acting as my representative. Whosoever shall desire, from today until any time (15) to come, to proceed against you concerning the chain, shall give four solidi as fine and shall come in and comply with this release. I, (20) Mariam, daughter of Pebo, assent to this release." ${ }^{1}$
${ }^{1}$ For a similar Coptic apotagé ostracon see Annales du Service des Antiquités de l'Egupte, XXII (1922), 269-70; and a typical Greek-Byzantine apotagē is PLond V, No. 1720.
73. (MH 2419; 29.211) Brown ribbed pottery with black pitch coating inside. Plate II. Transfer of securities.
"I, Leontios, son of Anastasios, the man of Jēme, write to Koloje, daughter of Phello, ${ }^{1}$ the woman of Jēme, in the district of (5) Ermont, saying: Seeing that I deposited certain securities with you for four solidi-the securities deposited being one gold necklet(?), ${ }^{2}$ two robes(?), ${ }^{3}$ and two coverlets-these things which I deposited (10) with you for them, I have no power over them now. I have no means of proceeding against you concerning these securities, ever, neither I, nor any brother of mine, nor any heir belonging to my (15) family, nor any man acting as my representative. Whosoever shall wish at any time, ever, to proceed against you concerning these securities, shall give one ounce of gold as fine and shall come in and comply with (20) this release. I, Leontios, assent to this release. I, Jeremiah, son of Samuel, Leontios requested me and I wrote the release with my hand, on the nineteenth of Paone, under Abraham, son of Daniel, lashane of (25) Jème, and I am witness. Ezekiel, son of Shai, witness; Cyriacus, son of Joseph, the priest, witness; Aitheopos, son of Paul, witness."
${ }^{1}$ Probably the woman of No. 72.
${ }^{2}$ S̃op; see Dict. $576 b$, where instead of Ostr. Chicago 291930 read MH 2419 and MH 2424.
${ }^{2}$ Karakallion? Cf. Dict. $53 b$ (ebriein).
74. (MH 3635) Red pottery with buff slip.

Transfer of securities.
Anphilia writes to Zechariah of Jēme that she renounces ownership of certain goods. A fine shall be paid by anyone who tries to contest the document. ${ }^{1}$ Several witnesses sign.
${ }^{1}$ Here called asphalia, not apotage.
75. (MH 4533) Brown ribbed pottery with traces of black pitch coating inside.

Transfer of a security.
Moses, son of John, writes to Cyriacus, son of Victor, that he renounces ownership of
a vessel, for which he had received forty bronze $\bar{\delta} e$. He is prepared to pay a fine of one gold tremis if he himself attempts to violate the agreement. Written by Moses, the deacon, on the fifth of Thoth, under Mena, the lashane.
76. (MH 2023) Brown ribbed pottery with black pitch coating inside.

Transfer of a security.
John and Mary write to Joseph, son of Samuel, of Jëme, that they relinquish to him a girdle(?), ${ }^{1}$ which he has received in return for three solidi. John and Mary sign; there are no witnesses.
${ }^{1}$ Mojl for moujh

## C. Various Business Documents

77. (MH 4270) Brown ribbed pottery with traces of black pitch coating inside.

An obscure release.
"I, Cyriacus, the trader, write to Papnoute, saying: As regards (5) the pledge which you have given(?) previously(?), ${ }^{1}$ I have no further business with you concerning it. (10) Paul . . . . I, Severus, son of . . . "
${ }^{1}$ Assuming hepahou to stand for hipahou, cf. Dict. $285 a$.
78. (MH 2062) Red pottery with buff slip. Plate II.

Receipt.
"Two solidi have come to me from you, Jacob, in the undertaking which you owed me. Thoth (5) 13, George assents."
79. (MH 4329) Brown ribbed pottery with black pitch coating inside.

Receipt.
"In the name of the Father and the Son and the Holy Ghost, we, Phoebamon and . . . . and Kalipesios, the sons of the late Victor, write to Matthew, son of the late Ezekiel, saying: We declare (5) that the gold tremis which we gave you-you have given me (sic) its payment(?), ${ }^{1}$ namely, three artabas of lentils and a ment of sesame, there being no dispute with you [about it?]. For your assurance, then, we have . . . . (10) this decla-
ration...."
${ }^{1}$ One meaning of pakton is "interest"; but this is not suitable here. For as a rate of interest, a payment of more than three artabas of lentils on a loan of one tremis would be fantastic. A broader meaning, such as "compensation," is called for and receives some support from that use of pakton which is translated as Dienstentschddigung in F. Preisigke, Wörterbuch der griechischen Papyrusurkunden (Berlin, 1925-31).
80. (MH 1090) Red pottery with red slip. Plate II.

Sale of an ass.
"In the name of God, I, Phoebamon of (the Church of) Apa Victor, write to Victor, (5) son of the late Simon, saying: Seeing that I have sold an ass to you, now, behold, I have settled with you (10) concerning it, so that I shall not be able to proceed against you concerning it, neither I, nor any man . . . . Whosoever shall proceed [against you] concerning it, that one shall have no profit (of it); (15) and he shall be a stranger to the holy oath of the Christians (verso): The Father, the Son, and the Holy Ghost." ${ }^{1}$
${ }^{1}$ On this formula see Till, ZÄS, LXXVI (1940), 77 ff .
81. (MH 282) Red pottery with reddish slip. Plate II.

Sowing contract.
"With God. The Council' of the Monastery . . . . on the mountain of Jēme [write to] . . . . , son of Joseph, the men of . . . (5) to you for the joint working(?) ${ }^{2}$ of the earth
. . . . and you shall sow it in the sowing . . . . and you shall sow it for half of the . . . . which God will bring forth, half for you, ${ }^{3}$ half for the holy topos . . . (10) For your assurance, then, I have drawn up this . . . . Written on the 4th of Mesore, 3rd indiction. I . . . . I, Isaac, son of Zechariah, they . . . ."
${ }^{1}$ On dikaion see C. Schmidt, ZÄS, LXVII (1931), 102 ff.
${ }^{2}$ This seems a possible meaning of hetairia, if this is the word intended here.
""For you" is the required sense, but the reading is difficult.
82. (MH 962) Brown ribbed pottery with traces of black pitch coating inside. Plate II. Shipping contract.
"I, Pesenthius, son of Sia, the sailor, the man of Elemou, in the district of Koptos, write to Enoch, son of Pleine, the man of Jeme, in the district of Ermont, saying: By the will of God, I am prepared (5) to take you and your chattels aboard and convey you to Antinoee safely, barring act of God, ${ }^{1}$ and I answer for the stolarches ${ }^{2}$ of Kos and Koptos. From the outset (?) we shall pay jointly every expense, and every ___ ${ }^{3}$ (10) for us-half shall be for(?) me and half for(?) you. And you shall pay for yourself eighteen gold carats in the standard of Jëme. Written on the 17th of Khoiakh, 13th indiction."
${ }^{1}$ On the Byzantine vis maior clause see L. Mitteis and U. Wilcken, Grundzüge und Chrestomathie der Papyruskunde (Leipzig-Berlin, 1912), Vol. II, Part I, pp. 259-60, and Part II, No. 343 (P. Oxy. 144).
${ }^{2}$ In Greek papyri, stolarches (or stolarchos) is a fleet commander. Such a personage is not appropriate in this context. Perhaps an official in charge of river traffic is meant. The reference to Kos and Koptos, two important towns on the way from Thebes to Antinoë, suggest some such meaning.
${ }^{3}$ I do not understand hopht nim efnatalo.
83. (MH 2405; 29.211) Brown ribbed pottery with black pitch coating inside.

An obscure settlement.
Thēre writes to Pegosh, son of Koloje, that owing to the settlement made by the "great man" ${ }^{1}$ regarding the place(?) of prayer, she now has no further claim against him. Joseph, son of David, wrote the sherd, under Paul, son of Moses, lashane of Jëme, and signs. There are two other witnesses.
${ }^{1}$ Title borne by town elders who held civil or ecclesiastical office. Cf. Epiph. I, p. 131; and Studien, p. 43.
84. (MH 2422; 29.211) Brown ribbed pottery.

Notation about pawned(?) goods.
"The woman's dress, the two vessels, and five garments are at the house of Pegosh, in (5) common, until called for."
85. (MH 1520) Brown ribbed pottery with traces of black pitch coating inside.

Notation about ownership of goods.
". . . . of bronze in the common together. We are its owner, together, until - (5) divide her property among us. As for her iron furniture, ${ }^{1}$ it goes to(?) Sacho, her wooden furniture to Psan."
${ }^{1}$ See CO, No. 218.
86. (MH 940) Brown ribbed pottery.

Notation about shares.
"The hundred(?) shares in the house and the yard," these are in common among us."
${ }^{1}$ On anh see Till, "Eine Verkaufsurkunde aus Dschême," Bulletin de la Société d'Archéologie Copte, V (1939), 49 ff.
87. (MH 3695) Brown ribbed pottery.

Notation about ownership of a vineyard(?).

## D. Oaths

88. (MH 1507) Red pottery. Plate II.

Oath affirming that a payment has been made.
"By this holy place (topos) in which I am, in which my soul is: As for the woman's dress which I have received from you, (5) I gave you four tremisses for it. This is the oath which Trempou swore to Trakote. (verso) Aristophanes, son of John, wrote."
89. (MH 3990; 30.2) Red pottery with buff slip.

Oath affirming that no deceit has been practiced.
"I, Daniel, swear (an) oath to Mark, thus: By this place (topos), by its holy power, since I have worked with you, neither in (5) the north nor in the south have I concealed ${ }^{1}$ from you the two carats, nor in the trading-goods." ${ }^{2}$
${ }^{1}$ Corresponds in similar context to hop (KRU, No. 68, 37), and rhape (Varia, No. 34).
${ }^{2}$ Pragmateia; cf. Varia, No. 35.
90. (MH 4024) Red pottery with buff slip.

Oath affirming that no deceit has been practiced.
"I, Mark, swear (an) oath, thus, to Daniel: By this place (topos), by its might, by its holy power, since I have worked (5) with you, neither I, nor my wife, nor my daughter, have . . . . (verso) whether you were in the north or whether you were in the south, I have not deceived (5) you in the trading-goods, nor have my wife or my daughter.' ${ }^{\prime}$
${ }^{1}$ The two oaths, Nos. 89 and 90, are complementary, the first from Daniel to Mark, the other from Mark to Daniel; they indicate that the two men had a partnership of some kind. The sherds used are of the same type, and the handwriting suggests that the two were written by one person.
91. (MH 1773) Brown ribbed pottery with pitch coating. Oath concerning an inheritance. ${ }^{1}$
"By this place (topos), by its power, as to the whole inheritance of my parents, I do not deceive you even to the value ${ }^{2}$ of a half- (5) tremis, and I do not $\quad,{ }^{3}$ ever, regarding my share of the yard with Matthew. If I do not relinquish it to you, ${ }^{4}$ may it be given(?) as an offering (10) on my behalf(?)."
${ }^{1}$ Cf. $B K U$, No. 97.
${ }^{2}$ Alogia for analogia; cf. Varia, No. 34.
${ }^{3}$ Jouk?

- Masculine gender; the person was first addressed in the feminine.

92. (MH 1213) Brown ribbed pottery.

Oath affirming ownership.
"By the place (topos) that is here, in which I am, in which my soul is, my father said to me while he was yet (5) alive: 'That place belongs to my sister.' This is the oath which Peter swore to Joseph concerning the yard above."
93. (MH 2424 ; 29.211) Brown ribbed pottery with pitch coating. Oath affirming that no deceit has been practiced.
"By the place (topos) that is here, as to this gold necklet" for two gold solidi, I have not removed anything from it, for these two solidi and their (5) interest."
${ }^{1}$ Šbp; cf. No. 73.
94. (MH 588) Brown ribbed pottery with traces of pitch coating. Plate X.

This oath is unintelligible to me.
95. (MH 3735) Red pottery with buff slip.

Oath affirming that no deceit has been practiced.
"By this place (topos), by its might, in which I am, in which my soul is, regarding the entire 1 of . . . . and Onophrius, [I have not] (5) deceived you . . . ."
${ }^{1}$ I cannot explain pröchē.

## E. Minor Fragments of Business Documents

96. (MH $2427 ; 29.211$ ) Brown ribbed pottery with traces of pitch coating.

Concerns the transfer of a security in payment of a debt.
97. (MH 1304) Brown ribbed pottery.

Probably a debt acknowledgment.
98. (MH 2407) Brown ribbed pottery with pitch coating.

Debt acknowledgment.
Payment is promised for the month of Paremhotep.
99. (MH 1294) Brown ribbed pottery.

Obscure.
100. (MH 1823) Brown ribbed pottery with pitch coating.

Obscure declaration mentioning payment of a fine.
101. (MH 3873) Red pottery with red slip. Inscribed on both sides. Fragment of a document including signatures of witnesses.
102. (MH 4470) Brown ribbed pottery.

Debt acknowledgment.
103. (MH 1209) Brown ribbed pottery with traces of pitch coating.

Debt acknowledgment.
104. (MH 2609) Brown ribbed pottery.

Debt acknowledgment.
105. (MH 4244; 30.143) Brown ribbed pottery with pitch coating.

End of a document with signatures of witnesses.
106. (MH 4150) Red pottery with red slip.

Document dealing with a money payment and the sowing of a field.
107. (MH 4142) Brown ribbed pottery.

Debt acknowledgment.
108. (MH 4114) Brown ribbed pottery.

End of a document naming witnesses.
109. (MH 4108) Brown ribbed pottery.

End of document with assurance clause and names of witnesses.
110. (MH 2456) Red pottery with buff slip.

Debt acknowledgment.
111. (MH 2990) Brown ribbed pottery with pitch coating.

End of document with names of witnesses.
112. (MH 4089) Brown ribbed pottery with pitch coating.

Debt acknowledgment.
113. (MH 2504) Brown ribbed pottery with pitch coating. End of a document naming the scribe.
114. (MH 4326) Brown ribbed pottery.

End of a document naming the lashane.
115. (MH 2501) Brown ribbed pottery with pitch coating.

Obscure fragment.
116. (MH 1045) Red pottery with red slip. Debt acknowledgment.
117. (MH 560) Reddish-brown pottery with buff slip. Inscribed on both sides. Obscure.
118. (MH 266) Red pottery with reddish slip. Debt acknowledgment.
119. (MH 3672) Brown ribbed pottery. Obscure document.
120. (MH 1889) Red ribbed pottery with red slip. End of document with names of witnesses.
121. (MH 4139, 4153, and 4177) Brown ribbed pottery with traces of pitch coating. Document concerning a sale(?) of flax.
122. (MH 4144) Brown ribbed pottery.

End of a document, probably a debt acknowledgment, naming scribe and lashane.
123. (MH 4123) Red pottery with reddish slip.

End of a document naming scribe and witnesses.
124. (MH 4116) Brown ribbed pottery with pitch coating.

Debt acknowledgment.
125. (MH 617) Brown ribbed pottery with pitch coating.

Concerns ownership of an object.
126. (MH 1036) Red pottery with reddish slip. Debt acknowledgment.
127. (MH 1511) Light-brown pottery with light-brown slip. Debt acknowledgment.
128. (MH 589) Brown ribbed pottery with traces of pitch coating.

Debt acknowledgment.
129. (MH 1297) Red pottery with red slip.

Names, probably of witnesses.
130. (MH 2232; 29.190) Brown ribbed pottery with traces of pitch coating. Notation concerning payments.
131. (MH 2618) Brown ribbed pottery. Concerns a payment in grain.
132. (MH 1402) Brown ribbed pottery with pitch coating. Debt acknowledgment.
133. (MH 542) Brown ribbed pottery. Obscure.

## IV. LETTERS

134. (MH 585) Brown ribbed pottery. Plate III.
"I, Patermoute (it is) who writes greeting his beloved brother Paul. Be so brotherly, I request you, (5) and go to the dwelling of Cyriacus, son of David and Abigail, and take the eighteen bronze se and send them to us; for you know that we do not have leisure to come south. If he says (10) the eighteen še are not there, take whatever he will give you. If he (gives) ${ }^{1}$ you a katitone, ${ }^{2}$ then, ${ }^{3}$ at the price of Jëme, ${ }^{4}$ send it to us. Go also to the dwelling of Isaac, (15) son of Plas, and take(?) ${ }^{5}$ the other twenty-five bronze se from him and send them to us. If he says the twenty-five are not there, take whatever he will give you. If he (gives) you a katitone (20) at the price of Jēme, take it. Go to the dwelling of your own Constantine ${ }^{6}$ and take the other fifteen se from him and send them to us. If he gives you a katitone, (25) take it . . . ."
${ }^{1}$ For such omission of the verb $t i$ see Epiph. II, No. 532.
${ }^{2}$ A word of unknown meaning; cf. Dict. $62 a$ under etoh.
${ }^{2}$ Assuming on to stand for a meaningless oun; cf. Epiph. II, Nos. 337 and 434. It does not recur in the parallel phrase in 1. 19 .

4 Jēme spelled Tjème occurs elsewhere, e.g., $K R U$, Nos. 13,81 and 82,8 , and Epiph. II, No. 270, with additional references. See also Crum's remarks on the spelling and pronunciation of JkOw (PLond IV, pp. xlvii f.), which presents the same phenomenon.
${ }^{5}{ }_{s}{ }^{2}$ i probably for $j i$ as in 1.21.

- This translation in preference to "Constantine, son of Tek," was suggested by Crum in a letter to Stefanski.

135. (MH 591) Brown ribbed pottery with traces of pitch coating.
"Give [it to] . . . . from Joseph. Make all haste, sow the aroura ${ }^{1}$ in flax. Do not sow anything (5) else ${ }^{2}$ on it except flax. I, Shai, write to David saying: Take the tremis from Demetrius, and give it to Kakabine."
${ }^{1}$ Cf. No. 61, n. 5.
${ }^{2}$ Hnöe for hnaau.
136. (MH 3321) Brown ribbed pottery with pitch coating. Plate III.
"Be so brotherly and get the promise" for me in the name of the lashane and in the name of the whole village; (5) but get it for Pkamoul also, and for all my men and all my goods. You know that I am wont to get a promise each year. Moreover, Pkamoul said (10): 'I will not go south unless ${ }^{2}$ you get the promise for me.' Send it to me tomorrow, quickly. Give it to Apa Koukle from (15) Petronius."
${ }^{1}$ This logos, although not a logos mpnoute, is related to those "promise of God" texts, for which see especially Till, "Koptische Schutzbriefe" (MDIAA, VIII [1938]). Whereas those texts are official promises to fugitives that they may return home without having to face prosecution, the document requested here is a passport obtainable every year, apparently for an annual business trip. Such travel permits, known as sigillia, are often mentioned. They were necessitated by the severe restrictions of movement imposed by the government in order to check the flight of peasants. Cf. Krall, p. 103; C. H. Becker, ZA, XX (1907), 102 f.; and A. Schiller, Ten Coptic Legal Texts (New York, 1932), No. 3.
${ }^{2}$ For this construction see Epiph. I, p. 251 (mn-, mnt-with conditional sense).
137. (MH 2487) White limestone. Plate III.
"I, Teras, son of ..... write greeting his beloved lord (5) and father Apa Frange. Be so kind and pray for me, that God may have mercy on us. Amen. (verso) . . . . the letters of your holy and good fathership. I rejoiced (5) greatly, greatly, with my whole heart, that you remembered a dog, dead and stinking, a worthless (10) and rejected sinner. Farewell."
138. (MH 2483) White limestone. Plate III.
"[Before] my humble affair, I, Frange, ${ }^{1}$ the sinner, write greeting his beloved good brothers (5) Theodore and Pher. Be so kind, my lord and brother Pher, and come to me forthwith. ${ }^{2}$ Farewell in the Lord, my beloved good brothers. The holy Trinity . . . ."
${ }^{1}$ Letters of Frange are listed in Epiph. II, p. 183 (No. 119). See also Epiph. I, pp. 102 and 155; II, No. 247; and Varia, No. 81.
${ }^{2}$ Note nsaune for nsooutn; cf. ST, No. 267.
139. (MH 2482; 29.314) White limestone. Plate III.
"I, Frange, the sinner, write greeting his beloved good lord and brother Apa (5) Theodore. Hereafter I kiss you mouth to mouth with a holy kiss. The Lord be with you. Hereafter I greet my pious sister (10) Koloje, and Pegosh, and my little brother Moses. My Lord Jesus Christ, may He send healing to him, that he may be relieved of (15) his sickness. Farewell in the Lord. (verso) I have received the letters of your good brotherly lordship. I read them. It pleased my heart greatly that you (5) thought of me at all. You have written to me - , ${ }^{1}$ since the day on which your man put grief in my heart. Be sure $^{2}$ to write to me many times and comfort (10) me in the great sorrow which I suffered on your account this year. God will justify me before your man."
${ }^{1}$ I do not understand enentak keoua.
2 For a figurative sense of knts see Epiph. II, No. 173, and Dict. $820 b$ with reference to this ostracon.
140. (MH 2488) White limestone.

Another letter from Frange to Theodore asking that Pher be sent to him quickly.
141. (MH 626) White limestone.
"First I greet your good [sonship]. The lord [bless you] and increase you [in all that is good]. According as I besought [you that] (5) time in the matter ${ }^{1}$ of the [children of the] late Stephen, be so kind . . . . for you know that they are orphans. [Be so] kind and relate the matter in . . . according as you have heard it; for (10) I remember that you told the matter to me in full. Be so kind, also, as not to . . . . in the matter; for I (15) know (verso) . . . . the orphans. [Be so kind], then, and do it for the sake of God and for my humblest self and carry it out . . . - (5) . . . - I know that you will not reject my request. Farewell in the Lord and the holy Trinity. Give it to my beloved son Damianus from Victor (10), the humblest priest. If it is convenient to you, be so good and come up; ${ }^{2}$ if not, be so good and arrange it (15) with Daniel. Behold, I have sent him to you for this matter."
${ }^{1}$ For apokrisis in this general sense cf. CO, No. 329, and Epiph. II, Nos. 225, 253, and 259.
2 Or "down."
142. (MH 1326) Brown ribbed pottery. Plate IV.
". . . . Since you have already bought the tremis' worth of wheat for me, (namely) four artabas and four maje, now please (5) give a ho to Abraham my son-for he came to me-and keep the remainder with you, until God ordain that I come and settle about the
other (10) remainder of the linens for which I owe. But by all means, delay not to give it to him. That which I have agreed upon with you I am seeking from you, namely, the four artabas and four maje for which I owe and which I shall (15) pay you."
${ }^{1}$ Hathe mpoou; cf. Varia, No. 51.
143. (MH 1299) Brown ribbed pottery.
"I, Nonna, write greeting Paul, son of Moses, saying: Seeing that Pisrael came (5) last year and took your cattle and was entreated and gave them back to you, now remit the piece(?) ${ }^{1}$ of flax to us for them, lest Pisrael come (10) and take them again. Now, then, I have written and testified to you. Send the answer (15) to me. Farewell."
${ }^{1}$ The meaning of lipse is not quite certain; cf. Epiph. II, No. 345, and Varia, No. 103.
144. (MH 1089) Brown ribbed pottery. Plate IV.
"Before my humblest affair I greet my beloved and (5) always revered brother. Hereafter I entreat your brotherhood that you would show kindness unto the man who (10) brings this sherd to you. Give it to my beloved brother Anop from Matthew." ${ }^{1}$
${ }^{1}$ Such letters of recommendation are fairly common; see Epiph. I, p. 125, and II, No. 173.
145. (MH 1056) White limestone. Plate IV.
"First I greet your sonship. The Lord bless you. Be so kind and trouble yourself to come, that I may meet you about the (5) matter. Do not fail, for there is need. Give it to my son, the pious Pesenthius from Abraham, (verso) the humblest bishop, in the grace of God."
146. (MH 4328) Reddish-brown ribbed pottery with buff slip.
"The humblest John writes greeting his beloved brother. Seeing that I sent to you some days ago, saying: 'Come north to me on this business,' and you came before the men had reached an agreement, (5) and you went away, now take two solidi and come north to me quickly, they being full weight on the standard of this district, for there is need. Farewell in the Lord at all times."
147. (MH 3722) Buff pottery with buff slip.
"Be so good and give the crown to Kalipese, the man of Kene. I, Joseph, (5) wrote this sherd to you. Give it to Kanah from Joseph."
148. (MH 3183) Red pottery with reddish slip. Plate IV.
"Give it to Jacob from Isaac. Give one solidus to Mena and his brother. It is I who vouch ${ }^{1}$ (5) for him."
${ }^{1}$ See Sethe, Bürgsch., pp. 496 ff.
149. (MH 3699) Red pottery with reddish slip. Plate IV.
"Before the matter I greet you cordially. Hereafter I inform" you as follows: Whereas (5), when you left, I said to you, get a camel-load of orax for me, according as you shall find $i t,{ }^{2}$ and I shall pay you for it, according as (10) you shall find it, (now) be so good and do not delay to send it. Give it to Saul from (15) John, son of Isaac."
${ }^{1}$ See the note on tamo in Epiph. II, No. 188.
${ }^{2}$ Meaning "at whatever price you can get it"?
150. (MH 2455) Brown ribbed pottery with pitch coating. Plate IV.
"Give it to Peter from Kyra. You have written to me about wheat. (5) When the magistrate ${ }^{1}$ goes away having loaded - -, I shall send to you and you may send the
camel, and I shall load it with wheat for you. -_..$^{3}$ Find means of coming (10) north. -_.." 4
${ }^{2}$ On meizoteros as equivalent of lashane, see Studien, p. 41.
${ }^{2}$ What is ebbalef
${ }^{3}$ I do not understand tisroft etc.
${ }^{4}$ The rest is unintelligible to me.
151. (MH 2412 ; 29.211) Brown ribbed pottery with traces of pitch coating.

Letter from Pahatre to Kouloje.
The gist of the letter escapes me.
152. (MH 1546) Reddish-brown ribbed pottery with reddish slip.

A letter asking that a wash-pan be sent and also concerned with a quantity of wheat.
153. (MH 966) White limestone. Inscribed on both sides. Plate IV.

A letter relating a visit to the monastery of Apa Phoebamon and an imprisonment(?). The verso includes a request to take a book to "the great man Apa Elias."
154. (MH 1308) Brown ribbed pottery with pitch coating.

Letter from Jacob, the priest, to Moses, the deacon, requesting that certain supplies be sent.
155. (MH 1641) Brown ribbed pottery.

Letter from Jacob to Sabek, telling that a shipment of wine had turned to vinegar and asking that two diplē of wine be sent through the woman who delivers the sherd.
156. (MH $4240 ; 30.148$ ) Brown ribbed pottery with traces of pitch coating.

Letter from Amos to Pekosh containing an urgent request for a sum of money.
157. (MH 224) Brown ribbed pottery.

Small obscure fragment.
158. (MH 4841 ; 30.148 ) Brown ribbed pottery with pitch coating.

Letter from three sons to their mother asking her to send "the spears"(?) through the man who will come to her with the sherd.
159. (MH 4492) Brown ribbed pottery.

A letter dealing with payments.
160. (MH 1663) Thin red pottery with red slip.

Probably a trial piece rather than a real letter. It reads: "Now give 20 solidi to her, Tsone." As this is a very large sum, a real letter would not be so casual.
161. (MH 963) Brown ribbed pottery with traces of pitch coating. Letter from Onnophrius to Abraham asking for a sum of money.
162. (MH 1181) Brown ribbed pottery. Inscribed on both sides. Letter with many lacunae. The addressee is asked to send certain supplies.
163. (MH 1306) Light-red pottery with red slip. Small obscure fragment.
164. (MH 1896) White limestone. Inscribed on both sides.

Too fragmentary to determine content.
165. (MH 2604) Brown ribbed pottery.

Too fragmentary to be intelligible.
166. (MH 3754) Brown ribbed pottery with pitch coating.

Small fragment of a letter. The major part is missing.
167. (MH 4488) Red pottery with red slip. Small fragment of a letter.
168. (MH 872) Brown ribbed pottery with traces of pitch coating.

Small fragment of a letter.
169. (MH 4169) Brown ribbed pottery.

Small fragment of a letter.
170. (MH 945) Brown ribbed pottery.

Small obscure fragment.
171. (MH 1278) Red pottery with yellow glaze.

Small obscure fragment.
172. (MH 965) Brown ribbed pottery with traces of pitch coating.

Small fragment of a letter.
173. (MH 2231; 29.190) Reddish-brown pottery with reddish-brown slip.

Too fragmentary to be intelligible.
174. (MH 3998) Brown ribbed pottery.

Fragment of a letter, or contract, written by the "dioiketes Elias" in behalf of "the Council of the Monastery."
175. (MH 990) Light-red pottery with reddish slip.

Small fragment. Probably a trial piece rather than a letter.
176. (MH 2918) Reddish-brown pottery with buff slip.

Fragment of a letter mentioning a number of people, a monastery, and a camel.
177. (MH 2451) Thin red pottery with reddish slip and streaks of red and blue paint. Fragment of a letter, or contract, dealing with money and wine.
178. (MH 4101) Brown ribbed pottery.

Fragment of a letter mentioning a sum of money and the "district of Koptos."
179. (MH 1176) Brown ribbed pottery. Obscure fragment.
180. (MH 2840) Brown ribbed pottery with pitch coating. Small obscure fragment.
181. (MH 4162 and 4179) Reddish-brown pottery with reddish-brown slip. End of a letter written to "Apa Isaac" by "the lashane and the headmen of Jēme."
182. (MH 3229) Brown ribbed pottery.

End of a letter addressed "to Aaron, the lashane from Phoebamon."
183. (MH 3009) Reddish-brown ribbed pottery with reddish slip.

Letter, or receipt, written by Sophia to Korbene, listing a number of utensils which Sophia has received.
184. (MH 1187) Brown ribbed pottery.

Fragment of a letter from Isaac to Susanna.
185. (MH 2283; 29.191) Brown ribbed pottery with pitch coating.

Letter from Esdra, the lashane, to Paiam, asking him to come to him quickly.
186. (MH 2322) Brown ribbed pottery with pitch coating.

Letter from John to "his beloved brothers Matthew and Enoch," asking them to send certain supplies.
187. (MH 964) Brown ribbed pottery.

Fragment of a letter mentioning a topos and certain supplies.
188. (MH 2867) Brown ribbed pottery with pitch coating.

Small obscure fragment.
189. (MH 2459) Brown ribbed pottery. Fragment of a letter mentioning a camel and a sum of money.
190. (MH 978) Brown ribbed pottery.

Small obscure fragment.
191. (MH 1088) Brown ribbed pottery. Inscribed on both sides. Fragment of a letter dealing with money and wine.
192. (MH 2865) Brown ribbed pottery. A letter requesting the sending of three asses and promising to send wine.
193. (MH 1412) Brown ribbed pottery with traces of pitch coating. Beginning of a letter with a long formula of greeting.
194. (MH 3615) Brown ribbed pottery. Letter requesting the addressee to send a cloak (or mat).
195. (MH 2510) Brown ribbed pottery with pitch coating. Obscure letter-fragment.
196. (MH 2049) Brown ribbed pottery.

Fragment of a letter asking the addressee to trouble himself to come south. On the expression bök pskylmos see Epiph. II, No. 301, with n. 4 and references.
197. (MH 1494) White limestone. Letter-fragment with introductory formula.
198. (MH 1171) Brown ribbed pottery. Small letter-fragment.
199. (MH 975) Brown ribbed pottery. Inscribed on both sides. Plate IV. Fragment of a letter dealing with payments.
200. (MH 621) Brown ribbed pottery. Fragmentary beginning of a letter.
201. (MH 612) Brown ribbed pottery.

Letter from Tanaste to Joseph, asking him to come.
202. (MH 587) Brown ribbed pottery with pitch coating. Small fragment of a letter.
203. (MH 541) Red pottery with buff slip. Inscribed on both sides.

Small fragment of a letter mentioning money.
204. (MH 265) Red pottery with buff slip.

Small fragment of a letter.
205. (MH 4347) Brown ribbed pottery.

End of a letter from Joseph to Andrew.
206. (MH 618) Brown ribbed pottery with pitch coating.

Small fragment of a letter.
207. (MH 593) Brown ribbed pottery. Inscribed on both sides. Obscure letter-fragment.
208. (MH 4171) Red pottery with red slip.

An obscure notation.
209. (MH 4159) Brown ribbed pottery.

Small fragment of a letter.
210. (MH 4081) Brown ribbed pottery with pitch coating. Small fragment of a letter.
211. (MH 3877) White limestone. Inscribed on both sides.

Small fragment of a letter from Phoebamon to Stephen.
212. (MH 1293) Reddish-brown pottery.

Practice ostracon repeating names and formulae of greeting.
213. (MH 1205) Red pottery with reddish slip. Small fragment of a letter.
214. (MH 2250) Reddish-brown pottery with buff slip. Beginning of a letter from Soua to Solomon.
215. (MH 2015) Reddish-brown pottery with yellow slip. Fragmentary beginning of a letter.
216. (MH 4489) Brown ribbed pottery. Small fragment of a letter.
217. (MH 4509) Brown ribbed pottery. Obscure letter-fragment.

## V. TAX RECEIPTS

The system of taxation in Egypt after the Arab conquest has been discussed by a number of scholars, notably by C. H. Becker and H. I. Bell. ${ }^{1}$ From their studies one may conclude that the Arab conquerors at first retained the prevailing tax system in its essentials, while gradual modifications altered the structure later on. The two main sources of tax revenue in the Arab period were the land tax and the poll tax. There were many additional assessments, two of which are mentioned in our texts. They are the dapanē, a charge for the expenses of local officials, and a similar levy called the xenion. All the Coptic tax ostraca deal with money taxes, among which the poll tax (diagraphon) is the most common. No taxes in kind, such as the embola, occur.
The Greek term for taxes in general, demosia, appears as demosion in Coptic. In addition to its general meaning, demosia designated the land tax, specifically; and Coptic demosion also occurs in this sense. ${ }^{2}$ Whether this meaning is to be found in our texts is difficult to say, but the following observations should be made. In the tax receipts published here, demosion appears in two different contexts. One is the formula referring to the payment of the poll tax "in the demosion of indiction X." In the other context a sum of money is acknowledged as having been paid "for your demosion in katabolē X of year X ." In other words, in the first case the actual payment is for the poll tax, while in the second it is for demosion. It is furthermore noteworthy that in the first context demosion is treated as a plural (i.e., construed with the definite plural article $n$ ), while in the second it is used in the singular. Now, in the first context demosion is evidently used to designate "taxes" in general, since the poll tax could not be considered as part of the land tax; and the plural form of demosion (which makes it the equivalent of Greek demosia) is appropriate to the wider sense. In the second case, however, the meaning "land tax" would be entirely suitable.
The tax money is in most instances designated as arithmia, "reckoned" money, i.e., currency reckoned at its theoretical value, in contrast to echomena, which denotes the actual value of the coins. ${ }^{8}$ Katabole is the term for a partial payment, two instalments being allowed on an annual tax. The material in this volume shows that there were at least three ${ }^{4}$ taxes which were, or could be, paid in instalments: the diagraphon, the demosion, and the dapane.

What tax the term dioikesis refers to and whether it can also denote "tax" in general, is not clear.
Payments were made either for the current year or for the year that had just passed. Occasionally, however, there is an interval of two years between tax assessment and payment. These instances, although rare, seem rather too frequent to be explained as scribes' or editors' errors.
The remaining technical terms are: epistalma, which, in Coptic, means "tax assessment"; syllogrin, perhaps derived from a Greek word syllogarion for which there is no published evidence ${ }^{5}$ and apparently meaning "supplement"; and entagion, which denotes the tax receipt itself.

[^7]The receipts were drawn up in accordance with a number of standard schemes. One example of each scheme is translated below, and they can also be traced in Table 1, in which all the receipts are summarized. ${ }^{6}$

## A. Poll Tax

1) No. 225: "A reckoned solidus has come to me from you, Pleine, son of Ezekiel, for your poll tax in the second katabole of the thirteenth year, total one solidus. Phamenoth 19, indiction 14. Ananias, the headman, I sign."
2) No. 227: "A half-tremis has come to me from you, Victor (son of) Samuel, for your poll tax in the demosion of the 11 th indiction, total one-sixth solidus. Epiph 18, indiction 11. Stephen signs. Papnoute signs. Dioskoros signs. Aristophanes wrote."
3) No. 229: "A half-tremis has come to us from you, John (son of) Moses, for your poll tax in the 10th indiction, total one-sixth solidus. Pachons 20, indiction 11. Solomon (signs). Andrew signs. Peter signs. Aristophanes wrote."
4) No. 235: "A half-tremis has come to me from you, Papnoute (son of) Jacob, for your poll tax, total one-sixth solidus. Epiph 16, indiction 10. Papnoute signs. Dioskoros signs. Aristophanes wrote."
5) No. 278: "John (son of) Papetses writes to Pegosh, saying: A solidus has come to me for your poll tax in the first katabole of this first indiction year. -_. ${ }^{1}$ Thoth 29, indiction 1. John signs.' ${ }^{2}$
${ }^{1}$ An obscure phrase.
${ }^{2}$ For this version of a tax receipt cf. $S T$, No. 68.

## B. Dapane

1) No. 385: "A reckoned solidus has come to me from you, Severus (son of) Peter, as your sha[re] of dapane in the first katabolē of the fifteenth year, total one solidus. Pachons 20 , indiction 1. Aaron, the headman, I sign. Psate (son of) Pisrael, I drew up this receipt at his request."
2) No. 300: "A reckoned solidus has come to me from you, Peter (son of) Athanasius, for the dapane of the fifth year, total one solidus. Mechir 30, indiction 5. Senouthius, the headman, I sign. Athanasius, son of Papnoute, signs. Mena (son of) Paam signs."

## C. Poll Tax and Dapane

No. 349: "A reckoned solidus has come to me from you, Enoch (son of) Daniel, in the sixth year; for the poll tax $\frac{1}{2}$ solidus, for the dapane $\overline{\frac{1}{2}}$ solidus. Pharmuthi 16 , indiction 7. Pisrael, the headman, signs. Psate (son of) Pisrael, I have drawn up this receipt."

## D. Demosion

No. 335: "A tremis has come to me from you, Daniel (son of) Manasseh, for your demosion for the second katabole of the first year, total one-third solidus. Written Payni 6, indiction 1. I, Laleu, the headman, sign this receipt. I, Psan, drew up this receipt at his request."

[^8]
## E. Dioikesis

1) No. 240: "A tremis has come to me from you, Souai, son of Abraham, for your dioikesis in the demosion of indiction 10, total one-third solidus. (Month date lost), indiction 11. Anastasius, the strategos, signs. Andrew signs. Peter signs. Aristophanes wrote."
2) No. 325: "John (son of) Psan for dioikesis, indiction 2, total $\frac{1}{2}$ solidus. Phamenoth 21, indiction 3. Komes signs. Pcher, son of Athanasius, signs."

## F. Dioikesis and Syllogrin

No. 293: "A reckoned tremis has come to me from you, Ellotos (son of) Makre, for your dioikesis and the supplements (syllogrin) for the second katabole of the fourth year, total onethird solidus. Pachons 25, indiction (numeral lost). Isaac, the headman, signs. Mena (son of) Paam signs. Apa Athanasius (son of) Papnoute signs."

## G. Xenion and Other Assessments

No. 298: "A reckoned tremis has come to me from you, Mena (son of) Peter, as your share of xenion and the other assessments (epistalma) in the fifth year, total one-third solidus. Tybi 22, indiction 5. Pcher (son of) Athanasius signs. Mena (son of) Paam (signs)."
In addition to the different taxes and formulae here classified, a few other varieties should be noted: (1) In a number of tax receipts, the tax for which payment is made is not indicated at all. (2) No. 243 is the receipt for a fine (prostimon). (3) The tax of No. 281 is "the xenion of the Emir." (4) No. 291 is a receipt for the syllogrin only. This would not be troublesome if the scribe had not written "and the syllogrin," thus making it difficult to decide whether another tax was omitted by error or whether the "and" is erroneous.














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\phidNz\omegaTT zENAF\overline{MAP}
5 TI N\phidKWN
\phiIRAM\omegaN \overline{N}\pi\lambda\omegac घy\inT
TazNOY \lambdaM |I IE
KaMH Tray\lambdaOC \lambdail |iz
TEMOY \overline{NYYKH \lambdaI| |i}
10 z\inTवрH \&OY\omegaT N
\Piप\overline{NOWNE | uy\inT \lambdaiO%y}
4 0

```

```

    ack\lambdaH\piIOC Ka\lambda\lambda 只 \ k
    dBpadm codidc íN Z kx i0
            r|/N゙ iz 4x ir
    ```
\(1+\pi \lambda\) rïn ctroyap
ïcidwpoc
Ratep zataBapax．
Eiol kodoyTE
5 tKoydcuze
```

中IRAMWN $\bar{N} \pi \lambda \omega c$ घy
TAZnoy $\lambda i \operatorname{ll}$ ie
KdMH Traydoc $\lambda \ddot{I} \| i z$
TEMOY NYYKH $\lambda 1 \|$ に

```

```

40

```

41

1 madhce ！a
ENWX \(d\)
adaBoyde＂r
caxdpia mitepmoyte．
5 madm trcmoy a
Mamnoyte Mmalam a DayEID MTIAXHKH a

1 тiduroc nezú גakine
MdKdpIC NNd之iTN
5 MdpKOC \(1 \underset{\omega}{d}\)

46
```

+ mntcnooyc nep
TapacNTE
MEIN MONNT NOPK
GTOOY N̄EOUT

```

47
+TECATE IW ( rewprioc mand ic oydm/Hwac mā̀ioc ic/
    Kocmd mildc
    rewchc cenoy
    madm !cak
5 Anmhtpe NKO....
    \(\phi \in \lambda_{0}^{*}\) TECY \(\stackrel{\theta}{\sim}\)
    48
    Kapakd ....
    kocra
    Koypic Kypia
    ondq....
t canạkath nhaidac Ïس RanNHC FMataioc dayeid Fimataioc arnadioc Fimdtaioc
+ . . yate maz...
Camoyma maze . . . та入hy Maze ....

1 TCHC NXACE \(\in Y\)

Noyumkac NCOYO NTATIG NH
₹MTAwNE MNTEGcywM ETECNTE
5 maxt ETPTAB NE Natiday Nantenorl
a aNOK TCHC NXACE TECTHXE ETEBH
dธE dNOK ICdK MTAyyOC aymaparade M
moi dicedi ntabix tewmaptyp
aiczai zNcoy xoyte Trawne NazpN
10 dBPazam Nathpic Md甘甘EDC Nuydi Maprypew f MdpKOC NCAMOYHA Maptypw

51

1

5 2入入ON Katapon tpm XEME EIXPEWCTI NDC NNOYTPEMHCION NNOYB \(\dot{N}\) OYTPMHCION aYw TIAI TEWNNETIMOC
10 2NTroywcy NTNOYTE \(\epsilon\) Tpardag Nal zNTINWNE NNALPN Taydoc NTTATHOYTE Tidalyane mnuymoyne mMaze M MHCE ANOK TAdWpE TCTOIXEE 15 TEBADE \(f\) dNOK ．．． \(\bar{N} \cdot \cdots\) Mdptypu f kw．．． Maprypw f

1 NTENTEKAI \(\Delta \in K a t h\)
aNOK AANIHA †CTY
\[
x \in i \quad \in+a \lambda x \in \in N T A i
\] CZditc zNCOYロOY
tace \(\bar{N} \in \pi \in \pi\)
NazN MANAC

54
1 dNOK TaKdTE MTM
dil Tait ETwOOT ZNpWHa
- NXHM ETCZdi NMANA
[ CH ] TAM ETCYOOT ZNOHME
MTEFWus
5 TTOOM NNEPHONT KdTd
TENOMOC NOYUT Eicxpuc
[] \(\in\) nak noyaptab ncoyo
MNOYMNT ATEPTOB MN
Oydïte NCIMCIM MN
10 .... maxe nugur nai
funzetemoc ntady
NaK NTIAOYNE ETNHY
\[
\cdots \operatorname{Niakm}_{B}
\]
... TebløE ncoy
15 ... Tuote \(N \in T \in[T]\)
....paï mmblde
.... maptep
[chamoynd
...te fonma....

1
\(t\) anok tccuma
NITHC ETCZdI ND
zнrïн \(\operatorname{\epsilon Txph\omega c}\)
TE Nak NNOY paqTay
5 NTPMHCION ayw tw
NzHTHMWC NTATAC NAK
zNTIdwNE NdZPN MdAE wc Tidamane anok cTEфd

Niak \(\omega\)
NOC diczal todat \(d a y \in I a\)
10 NMAGIAC MdP \(C \in B H T H C\) NMWYCHC MdPf

1 fanok l wa
NHC TughPE \(\bar{N} \pi \in C N\)
TE TрMтрбwT EICरai
MIE Gwuy \(\pi\) sic \(\boldsymbol{H} \boldsymbol{p} \in\) FMa
5 NaCH गpichme elxpiwc
TI NaK NOYpTOB NCOYO
MNTEGuOM ETE TAI
TE OYMNT Ñoyo N
TATIG NAK \(2 M \pi a\)

10
WNE ANOK /WA
NNHC MMAOE
\[
y c a \lambda d d / c z d[1]
\]

TIBAxE N̄C
oy cymoyn
15

1 fanok madoy EICZal ndanihd re TE xplwctel nak naOymt ncle nzomÑt TEWNzETEMOC NTAfOY NaK Nathady nan di入iria dye nal ntalbltoy ntootk
5 NCOY XOYWT MTTACyANC Naz PN \(\bar{H}\)
TamNOYTE Tidacgant anok madoy \(T \in\) sićctexel ateßixt anok abpazam \(\pi p \in \subset B /\) Nama KypIKOC dqTapaKadeI MOI dicwz TEIGAXE NTAOIA

1 ZMmpan mדtïLt TNT uнpe MNTIÑ GTOYaB MTOOY NZOOY GTECOY घHHN
NTWGE ANOK TOYAIT TE
5 yetpe - ba धïčaii nh Ñto mapia teczïme ndiocko poc \(x \in\) EYTiii aimadarade

10 HHCION NKAKE NaÏ ETA xpïa nananteon tenoy
2MTOywu minnoyte †wnze
\(\Delta \in\) MOC NTAdTIODORIZE M
MOC NH zMTrawne etnhy
15 EzOYN Natiday NampeBO
入ia etreoypa oyn di
chn teac фadïa
NH Copr ....

1

20
fanok mmïxatiac
TüHNNNENWX mpWH
TEPKWT रMINOMOC NिF̄O
NT ETCZai MTEKWM THCy \(\overline{\#} N\)
 †xpIwCTV NNAK NNOYTEPMMECNE NNOYB - EGMMEZ MNOY HMOCNE NCEM CiM mmHCE MMOY NTATady NaK २HTAWNE MTTEMTE \(\Delta X N \lambda A Y E \bar{N} d N\), \(\Delta o \lambda o r i a d \in \pi a i\) funze \(\Delta o \ddot{m o c} n \operatorname{Td}^{d} d^{\text {sic }}\) NaK TPOCAE NTAIEPusopTC \(2 a i\) dNOK mmexaiac Trynnnenwx fctoixe ETiBAдE MNzWB NIM EGCH2 EPOC dicmNTC Eywpa NaK ZNMMA NÖM EyNNAゆANÖCE MMOC NNZHTG ZITTN pwME NOM aNOK MWYCHC
\(\pi \in \in \lambda a x c t O C\) ndiaKON NTEK KגHCid ETOYAdB NTEP
 aiczai zapog xE GcooyN dN NC2di NCOY -•••
fanok andpeac Tugin HaधӨגїс тринтеркшт ZNTNOMOC NPHONT ETCLAI' MTEKWCY TUYINMMANACH TA
 5 NCNDY NTEPMECNE NNOYB HNTEYMMHCE TPOC cymOYNE MMdat NEpcyin ETOYa TOYd ayw NTaTady NaK ax ndaye nando \(\quad\) oria emai fnafoy nak \(2 H \pi d \omega n \in\) ntetapth án laye nandodoría eä̈mnt tbi L E Eyupa NaK zNMANIM EyNA中ANIC MMOC
10 Ñery z̈̈rn pume nïm anok andpeac fctoïx E TIBAXE MNZWB EGCHz EPOC KaTate Tail Ep yop \(\pi C_{2 d i}\) aNOK MWYCHC TE EXAXI

CTOC NNATINWCTHC AGEZ̈E MMOI dÏCMN fBADE zNCOY

59 Continued
15 DEKA ENTWBE ZNTEPOMTE
TETAPTH ANOK IW
ZANNHC TICYHN
TECNTE
twMag

60

1．fanok mixaidc TMHNENWX Taï ETHT ETEPKWt
 ZNAHME EYKACTPON NTtE †XpEWCTI NAK NOYZOAOK NNOYB EGMEZ 21 TEKMACYE ay
 TEGMHCE ETEOYPTAB NCIMCIM TE aZN גadyE N̄antidoria fanok mixalac munnencx 十cToIxI ETIac申a入ia Mnzw


10 TIACфdतla Eaiczal zdpog te दcooyn an N̄coy xoymt N̄ल xIp nazpn dioc miacyane \(\bar{N} a H M E\) aye fömmaptypoc anok ̈̈pannhc fitecnte †ōmmapt
anok matatr mumtinhin
†ṓmaptypoc

61

1
\(f\)
EN ONO
Mati THC arldc kal zorí zor y
Tpiatoc Tratpoc kal y kal í TIÑatoc dNOK KOCHA TGYHPE MTMAKAPIOC ICAK
5 zNAdrId MdpId EICzal MTETPOC TcyN

61 Continued
```

pe nananidc zMTMRACtPON NXH
ME xE ETIDH aKMDLE zaTazH aK
ZI uyom\overline{NT N}\mathrm{ NODOK_ NNOYB Nal ETd}
xpIa rl/ i~ r tenoy zrmoywuy M
mNOYTE fonzetemoC N̈tata\y
NaK 2MTTEBOT MaOYWNE NCOM
MTM\DP ETNHY EBOD ау\omega TEY
MHCE ETEOYTTHCYE N̈C\I\omegazE
Kaz TE NTAXOC NAK MMdzE
ETEROywpZ oyN dïczal TE ac
\phid\lambdala Nak copd ayw conroeic
ayw fcrolx\inI EPOC ErPa\phi í 0w0
H INA/ IB aNOR IWCNQ ETP
aNOK CEYHPOC T\IIAKX MA\rhoTEPW
aNOK \pi\sigmaw\lambda TE\in\lambdaaxICTOC

```

1 f anok icak mitray
גос mpumoydḯ \(\overline{7}\) TCXOXACTIKOC EGCZA： HTßEAH Tр～UHAHME
v \(\quad \Delta \in+x p \in \omega C T I\) NaK \(\bar{N}+\) oy NEpTOB \(\overline{\text { NGOyo ayeu } N}\) di fuñ \(\in T \in \operatorname{MOC} \bar{N} T\)
a foy Nak EMTracune \(\bar{N} \lambda \in y T \in \rho d \bar{N} d T \lambda d d y\)
\(10 \in\) NAM申IBodid dN
．．． diczair \(T \in\) ．．．．


I f anok ．．．．
［［2］aï NKKaNI TuyHpE
－•．之MTrNOMOC NEPMDNT
．．．EIXPIWCTE NAK जिMNT
5 dCE NKAMIC NEI 2MTOYwuy
戸̈TNOYTE fWNLETMOC \(\bar{N}\)
TaTday NHK daN \(\boldsymbol{T} d \mathrm{~A} Y \in \mathrm{~N}\)
\(\Delta M \phi i \beta d \lambda / d\) zNOayt id THEि
dNOK REWPIIOC NIWZANNHC ai
10 čai TIBAIE NTa Gix NcoyTloy
NeगET Na己pN Tay loc FTroyzap
Tidacyane twmmaptipoc
dNOK ECAPd NÖCdK twr
Maptipoc

1 fanok Tatinoyte Tcyhm....
GYCZai nadinih nKadatin....
WCTI NAK N̄OYZOXOK NNO....
dïrdpakadel mMok aku....

MHOC NaK dyw mai fon....
NaK 2MUAWNE MNTEGMHCE....
FHHCE MMOG Xwpic \(\lambda\) a....
dNOK TIATNOYTE fCTYX....
10 Tdi ENTAOCZdi रNcoy....
\(\bar{N} \in \Pi \in \pi\) NazpN....

Moir diczai
十巨̄AxE NTAGIa
15 Тwलिवp
```

1 ...pIduc\omega\pire d'\pirdpdK[d\lambda\epsilon]....

```

```

                                    r|z\epsilon
    E NAK NYYMOYNE NZNNE NCAK NTADTIOXO
    MMOOY NaK yacoy K}N\in\pi\in\pi \Pi\rho\omegaT
    ```

```

    MTIdTO\lambdaOFIzE MMOOY NAK NTON ETO
            FTXOEIC NNAENEXEPON ETAMYNE
                NCwoy NTOOTK uydENE2 
                    ANOK DGANACIOC THCyHPE MTMAK
    1 0
TIDTNOYTE fwMNTPE f
IWNNHC NICADK +\omega[M]
NTPE F dNOK 0\epsilon....

```

5 .... [M]HCE ETEOYUEy teprnce ... . \(\lambda\) obentK. . oy rimoypuy... . .... epcyan tempotecmia oyeine.... ... ETONXOEIC NNENEXEPON....
... 20גOK MNTEGMHCE Nathday
 .... copx zmma nimeyndन̈фaze.... бNOI N̄tazomodore, t•••

69

aNOK zWT aif Nai N̄OYZdT NTTO
            ENEZ EITE צнPE EITE м्यHPE
            EITE घNNलHPE EITE
                EITE XWZ \(\bar{N} \Delta \omega_{2}\) EiTE
                    pume eqEIpe MTampo
                        COTTON TETNAEI EBOX
                        epo zapog EGNat
                        CNAY N2OAOKX NGEI E2OYN]
                        Nद2 \(\quad\) NTEI
                        XवрTнс

1

\section*{aKfoy Nal MNTdI day NzwG NE}

MdK oydt cyrpe ÑTdI aNOK TId
Tuy \(\in T \in \lambda d T O C\) TECTHXE EZWB
NIM EGCH2 dTIBXZE T dNOK
15 ［1E］pHmidc \(\bar{N} C a m o y H \lambda\) di．．．．
．．．coy xoycymH［N
NTI］YNE NAz
PN DANIHA

1 dNOK \(T \in\) IWCH
ThaleIN ETCZaINd Na
MdNACH XE EIC 中OXO
KOTCE NTAIKA入wG Ed．．．．
5 ．．ETOOT MNTAI \(\lambda\) day N．．．．
Mdy 2dPOG f dNOK ．．．
TッHN BA甘оYHA d／C2［A／TEBA］
xG zNCOY GTOOY MTHAMO［NC］
\(10 \mathrm{Na} 2 \rho N \in I d K \omega \beta \pi \lambda d y d N[\epsilon]\)
fWNMAPTYPOC fKyplKOC．．．．
cw申 ．．．．f Maptypw
flwснф каMн＋Maptypw

1 f anok mapizam teynpe \(\bar{A}\) \(\pi \in B \omega\) T \(\overline{\text { PM}} \boldsymbol{H} \in T \in\) Moyt ECZal
 \(\Delta H M d \quad x \in \pi I \Delta H\) doywl \(\pi \epsilon\)
5 K入h入 \(\bar{N} T O T E\) zacnay Ño入okx
fNoY ECZHTE fzomodore
ZNTOOY NzOOY ETE TLOY MNTAC
TE \(\pi \epsilon \bar{M} \pi \in\) Bot NETH \(\phi\) IE MNTAI［MOEIT ET］
paEl \(\in B O \lambda\) EpU zapog \(\in N H Z^{\text {Q }}\)
10
OYTE dNOK OYDE KAHPOY
NOMOC ETWI TE oYdE pWME EGEIPE MaTrPOCOYTON \(\pi \in T N A O Y C H \in \Delta \in\) VINTO oy dyw cydoydelcy NIM EG
15 Nacyome \(\overline{N G \in I ~ E B O X ~} \in\) Po 2aTEK \(\quad\) H \(A\) EqNat 4 TOOY 2OAOK NKATADIKE \(\overline{N G}\) El dZOYN NGZWNE TE ATOTAKH DNOK

20 Mapizam Tщyнpt TEB由 TECTH

XE aTEA ToyTa
KH

73

1
fanok \(\lambda \in \omega N\) dIoc myHpe \(\bar{N} a n a c t a c i o c ~ \pi \overline{p H}\)
［区H］ME EGC2aI NaKOXOXH TYEPE

5 EPMONT \(\triangle E \pi\) ial \(\Delta H\) aloyeur zENEN［E］
XEPON NTOTE ZAYTOOY NZONOKK ETE NAI TENEXEPON ETOYH2 ZOPOQ \(\in T \in\)

73 Continued
oymum Ñnob \(\pi \in\) MÑcNay N̄kadakade जिलNTE \(\bar{N} \lambda\) OTEE Nail \(\Delta \in \overline{N T A l o y a z o y ~}\)
 COY TENOY MNTAIMOEIT \(\bar{N} \in I\) EBOX Epw zdNE ENEXEPON NDI ENHZ oyde anok oyde con Ñtail oyde kגe गOYNOMOC EGXI azOYN dmare NOC EI \(\Delta H\) KEAaye npure tgelpe
 cydoydEICY NIM ENHZ NGEI \(\alpha \beta O \lambda\) EpW zaNEENEXEPON EYNAナOYONTId N̄OB NKdTdA：KE NGEZOYN NGZWN dTEdTOTAKH f aNOK \(\lambda \in \omega N T I O C\) fCT OIXE ETEI ATHOTAKH SiCI aNOK IEPHMI ac NCAMOYHA adEWNTIOC HTE FMOI dICzal Ta
 NapN aßpazam \(\vec{N} \Delta a N I H \lambda\) TIAdugane \(N\)
 Maptyp \(\{\) KypikOC iшснф Tp \(\in C B / \cdots\) Maprypu dI甘EWTOC NTIAy化

Maptypw
```

famtran miteiwt min
Tug нpe $\overline{M N} \pi \in \Pi \bar{N} a$ EroyadB］

$$
\in K \rho a \phi / H x \underset{\dot{x}}{ } z \in N \Delta \in[K d]
$$

anoK anфI入Ia TPMTM．．．．
+ zMMPON MTEIWT MN
mumpe mintemNa [royadb]
]=
...k]\overline{BTT ETCZai NCaXapIAC TMyH[pG]....}
....TPMTTKACTPON N\triangleHMH 2...
....\DeltaE za\piz~B NNECKEYE....
....TOY NaK aKtoy NTtEPHHCION....
...twt NHMak zapooy M....
....Nair renoy }\Delta\in\mathrm{ zMTroywly M....
...\lambdama N\overline{NG1 EBO\lambda EPOK 2d....}
...㧕 p\omegaME E\pi\omegai' \epsiloni\Deltat <\omega\mp@subsup{\omega}{2}{}....
....\pi\epsilonTNA Tw\lambdaMA Nपॄ| \epsilonBO\lambda ....
.... EyNAT mNTACE NzO\lambdaOKX N.....
.... TOY \overline{NTEPMHCION aNOK dNфI....}
...TEac\phia\lambdaId N0\epsilon \epsilonTCHZ M....
....cEBETHYc mapTEPOC t aNOK....

```
```

1 DNOK
MO\ddot{CHC TCYHNOWZAN}
\epsilon4cरdi NKyPIdKOC NBIKTWP 纸\epsilonTIAH
dioyw2 oyKoyxoy NTOOTK ZQ2ME
5 nuge \̇zOMNT TENOY FdmOTaccem
MOC NaK ....
MydNEIEBOD EPOK TWNZXITI
MOC ETOY TPHMHCION NNOYB NKdTA
AIKH N̈TAZWN ETB\lambdaLE TA% ENTA%
10.
C2diTC zNCOYTIOY NOWO Nd
2PM MHND T\lambdaACydNE T ANOK MW\ddot{y}
CHC md/dMy diczdi

```

1 f aNOK IUAN
HC TNMdpid ENC2a：NÏCH中 लिсаноyн入 mpmxe
5 Ma ENaTTODAzE
NHG N \(N\) NEOYMOXT
ETNTOTG 2ATH zOAOKX
xwpic Aday NaNTEI
גoriac íwanhe mapia
10 Gre｜xe etelblat

1 f anok Kypia
KOC \(\pi \in \pi P a K M a T d y\)
THC ETCZdi NTATN OYTE \(x \in 2 d \pi M a\)
5 NTac申a入єїa N TEKTHC NZETIA
zoy mNTaildd \(y \in\) NzWB NM HaK zapoc maydoc．．．． ANOK COYHP OC Trynpe
\[
\begin{aligned}
& 1 \text { f EIC cNay Nzodok } \bar{F} \text { ayti EtOOT } \\
& \text { ごTOOTK NTTOK IAKWB EN } \\
& \text { Tac申adia eTEKxpewc } \\
& \text { TI Fmoc Nail H } \theta^{\omega} \theta \\
& 5 \text { ir rewprioc ctoí } 7
\end{aligned}
\]

10

aNON 中OIBAMWN MN ．．．．MÑKAXI
Tracioc Nuynpe Fimmaky BIKTWP ENC2dI MMdA

5 xt thpmece \(\bar{N} N O Y B\) ntantady nak aK†ா
 uaN MNOYMNT \(\bar{N} C M C / M\) dXN NMEMDEBOXIa ELOYN EPOK ET．．．．
```

\epsilon\pi\epsilonK\omegaPx OYN aM....

```
TE, 2OMo入[orid]....
MбOM M....
                                    -•••

1 f \(2 M \pi p a n\) minNoy TE ANOK 中EBAM WN Natra ßlRTWP EICzal NGIKTwp
5 Tujnpe mirmakapio CEHEWN Sic \(X \in E T E\) \(\Delta H\) altoyeoy \(\in\) Bod NaK TENOY EIC2HH TE diTrudK NHMAK
IO ZDPOC XE NNEICYEI EBOD EPOK zdPOC oyde aNOK oyde pume E．．．． \(\pi \in T N A \in I \in B O A\)［EPOK 2d］POC NNETETMMAY TZNY N
15 גday GGONGYMMO．．．
dcy \(\in\) TOYdd \(B\) NN
EXPICTIANOC

\section*{verso}

1 गeIUT HNTMHAP
E MNTTINA ETOY
\(\triangle\) aBf
```

1 fcy*
T<br>I Kal ON MMO[NaCTHPION]....
\Pi\piTOOY NXHME EI....

```

```

    NHTN}\mathrm{ ETEETEPEA MTTOOMEET....
    NTETN\triangleOC रूMTI\DeltaO EZPAI NTEI....
    NTETNNXOC ETETAMCyE NTE\phi....
    TNOYTE NaENTG TTAME EPO....
    Trrawe ETrTOTTOC ETOYAdB....
    10 ETHETNWPZ OYN aOMCHNNENTEI....
Erf M MHiC \Delta I\Delta/r r'taNOK....
aNOK icadK TMENzaxap dy....

```
```

            FANOK TECNTE
            TMYNCIA TNHG TPME\lambdaEMOY 2HTNOHOC NKBT
            EGC2QI' NENWX TMYNT\lambdaHEINE TPMDEMA ZHTNOMOC NEP
            HONT \Deltat zMTTOYWCyE mTNNOYTE f\omegaरETEMWC NTD
            TADOK MNNEKCKHYE N̈TABOK\sigma EANTINOOY
            HETa ra\lambdaoy x\omegapIC t\inw\betaIa dyw fKINAyNEY
            E zaTTCTOY\lambdadPXHC NKWC MNKKR ZINNEI
            EBO\lambda 2WB EGNAM\omegaTHE ENAMO2G 2MTTKI
            NON aY\omega z\omega\T NIM EGNdTA\lambdaO
    10 NAN TTHeyE EPOi' T\piHCyE EPOK
dyw NTHMNTMHHN NREPAT
CE NNOYB NAK FTTYY' NXEMA
Erpad/ MHNOC XIAX İ INTKK
5

```
1 F aNOK #нре \epsilon%
    c<di MTEG\sigmawcy TMNNE
    \lambda\omegavE ชE KdTd te NTAE
    Td\zetaE ziTN NO\sigma NPWME
5 2d\piMdNCy\lambdaH\lambda ETEMd.
    . . WMmuyd . . TENOYEIC
    zHTE वiगT\omega\K dGO\lambda N
    EMHK 2\рOG Mव̈̈TH%
    ZWB NEMHK ZDPOG DNH2E
10 EITA dNOK GiTA w
    HPE NTDIV aNOK I'UCHQT
    uNN\Deltady\ini'A diczai +\beta\lambda纤]
        ENTA\sigmaIA NALPN Trdy\lambdaOC
    HWyCHC T\\duydNE NXH
15 Md MdPTEPOC +
        dGpazdM NAdNIHA MdpT
        EPOC \Deltady\inid NÖCH
            [\phi] mapt\inPOC
```

1 f OOITE NCIME MNTCNTE KOYZOY MN†E MIXKE Mante bwuy $z \in N$
5 Kynun ne gan TOYCYINE İCWOYf 85

1 •••
...TTN2OMT 2NTKKEN[ON] MNENEPEY NWNTECZAEI c mNepey cyantenfl
5 Nemwuy $\pi \in c \lambda a y \in$ as WN ETECZHAE NBAN ITE MONCAX $\operatorname{mat}$ EC2मiE Neye MAN TrCan

88
$1 \quad+\mu \in \pi \in I T O[\pi O C] \in T O y A d B$ TEIÑHTG TAYYXH
N2HTC 2dmMd NT20\%TE NC2IME NTAOGOTLC NTOOTE
s ärIGTOOY NTPIMS NE
2 $P O C Z$ та $\Pi$ TE Ta
Nacy NTdTPM
moy opKG
NTPdKO
10 TEt
verso
1 fapictoфs id erpdue $t$

89
1 f aNoK adNIHA ElwpK aNacy $\bar{M}$
MdPKOC NTEIzE w,
TEGAYNDMIC GTOYdAB XIN
Tdi pzwB NMMdK OYTE ZdN
5 2HT OYTE रAPHC MTEI
$2 \in y$ TO EPOK NCNTE
NOEPaTION
oysic $2 N$
TPdK
verso
1 Matia

90

1 dNOK MAPKOC EIOPKANACY NTEIZE NADNIHA uETHEITOTIOC以ETEG 万OM yETEGTYND
MIC ETOYdAB XINTAIP $\omega$
5 B Nrrak oyde dNOK
 yH］pe
$\cdots$ пTE $\cdots$
dTE $\cdots$
on
verso
1 oy $[\Delta \epsilon]$
EK ZaN［2HT］

oyde dNoK MEipKpOG
5 EPOK NTETPDRMatId
oyde taczime oydt
tacytpe

2Pail 2NTKגHPONOMId THPC
NNAEIOTE MAIPKPOYG Epw udatadorid NoymHus
5 THPMHCION dyw Mal XoyK ENEZ MaTraMEPOC NNTN $^{\text {ETA }}$

MiN MatEOC MIATO $\Delta d z \in \overline{M M O G}$ NAK ．．．．Tlद जाтросфо

```
1 + yдлітотос ETM
                    rïmd 才ÑーHTG
```



```
                            EIWT XOOY NAI ETV EG
5 ON2: \(\triangle \in\) TIATACWNE:TE
MMa ETMMay: TI TE TRANACy
NTATETPOC apKY Na
iшснф: रaाaN2:
                        ETazpal
```

93
94

1 fyamıtotioc ETNTIMA 2PAI
サI ycur $\bar{N} N O Y \beta$ yacnay $\bar{N}$

2APOG yATICNAY N̄ZOAOK TINNOY 5 mact

1 f yatteltotroc eTN
Tteima TanBokoy depar
TaTouy MNMaTOI TE
MATHG 2IBOA NNWNE
5 TANBokoy azpai

97
1 .... MNTtemत̃a etoydaß.
....czar ncabine
....TILWNE EIdT yTOOY
-••R Trdicu NICdK
5 . . NE NTATAdY
.... MT̃TPE

1 iemzanNHC NKO.... MHE EICZal NK....
ept anok kat....
NAC N̄ME ...
5 Nzomत̃t mत्NToyd....
Tidann •••
foñaitimoce....
NH रूmapウzarm....
$\Delta \in K a t h$ inalty $x \omega$
10 pIc גady Namtidorra dJoK imzannhc.... TEBAZE ANOK....
-••Nd•••
15 MMOi diceditc 2
1 Bedeyoc mpHnzoyn
maydoc mprinxem....
-Toy kpamation. . .
NOY ateTNT GGN....
$5 \cdot d T E T N K P a m a$.
ENEZ EYNA HNTG....
E dTETN† EGN....
udoyoticy NIH....
EPWTN H NG
10
af CNAY TPIM....
1 ANON IWZANNHC MNDIA/
- hpe NOEODwCIOC
- 戸MNTEPKWT TNOMOC
ETCZaï NT....
5 . . pe MTray入oc zMTKK[dc]
[TP]ON NXHME XETEIT[H]
.... 2ITraz20 NTa
verso
1 f dNOK TTECYN[OIOC]
Tuy HPE MMHN[a]
ZNTEPNWT TO[MMN]
TpE + dNOK Tra
5 TNOY miEX/NAI/
dgai're MMOi
100
102

1

－••TんTN
－••TTpa єime ．．．oyさtтo入ma Ñт．．．．

．．．．тиунन̈Mapta Tсw．．．．
．．．OyTE Trzwi oyoNz
．．．．גїоycynpe eImhte NTra．．．．
．．．．zWC ECzHN EzOYN．．．．
10 ．．．．TOC TTAI NTTAナMHT．．．．
［Katad］KKH＋NAd．．．．

1 ．．．．K aß．p［aza］
．．．．Kaßine EIC
－••［rr］dy才 oc тrcyhp［E］
．．．IHA тPM区E［Ha］
5 ．．．Tra al $\operatorname{Tr} \alpha p d k[a \lambda \in 1]$
．．．．tI Nal Noy
．．．OyB ETax －••c†1x
$\qquad$
 ....K $\theta$ : NMXIP NTEPOM[TE] ....
....aI Truynpe NTHAKdpIOC TE
....e tuyhpe $\bar{n}$ tzepeß....
5 . . Epe Tar $\leqslant 1$
....a xpia тwit тa ....
....eто....

1


$$
5
$$

10
faNOK

$$
\pi \overline{\rho \pi x} \cdot \cdot
$$

Mwychc...
TI NAG NOY....
ayw mar 十w.
Tag Nak $2 N \cdots \cdot$
EIA NaBIKAI TIA…
גady Nontid....
wdopoc $\bar{H} \in K . .$.
-T1 MMO....
. . . .
105

## 106

[ca]ginoc न्यyac $\lambda \in \lambda=y$
†omaf f abpa
zam तिтетpoc $\bar{N}$
denoy foraf
107
5 ...NTETNT CNAYN2OAO...
....MmatN xooy $\pi \cdot$...
1 ITTOM EPMO
NT EGCzal
.... HC Egxpuc

+ Nag INNOY zO
5 HNTEGMHCE 108
MÑTace NX....
FMdरE фod..
ydTHWNE
$d \overline{X N} \lambda \Delta d y$
10
Nantodorfd
BIKTwP Maf
I [KAC]TPON NXHME ZATTNOMOC N.... .... वїmït NHMHTN zMTIAZ... .

....ñot ntayt zñtencyn....

....nat $2 \grave{N} T \cdot .$.
.... cya....
-•••
108
1 •••NT•••

-••OK I $\omega$. . . .
$\cdots e$ tiakwn
$5 \cdots$....KAmcid $\overline{2 N M} \cdots \cdot$
... - оycada тuyн....
....am maptypw....
... $\operatorname{HETPOC} \cdot . \cdot$
.... andpedc....

```
1 ....wpk oy[N]....
    ...dсфа\lambda\epsilon!o Ec....
    ...Eyna EmфaNI[z\in]
    ....htG nCEENOY:
    ...EI f aNOK 1T
    .... maky Ttetpoc
    ...[a]nOK dNaNIAC
                            ...0Idc TEIOMdpTyf
                        . .. . \lambda\lambdaо тиyнpe
1 0
        .... fomntpe
                ANOK dOdN
```

```
1
        f
            ANOKKO....
            HNM\omega\ddot{yc....}
    zNTP:K
5 нд трмхнн....
    N\piz\omegaG \overline{NN....}
    txp\inwCTE! ....
    NH\tilde{PT} NTATAdy
    21тад \sigmaんUM NवT....
10 NIM EGNANTE....
1 0
```

1

```
....MNA\pi
```

....MNA\pi
....dNK\M....
....dNK\M....
....\#H ENXp\inwcte'
....\#H ENXp\inwcte'
...pa NTTAKTANC NaN
...pa NTTAKTANC NaN
5 ...M゙TPHC MMON
5 ...M゙TPHC MMON
...N ayw nTN+OY
...N ayw nTN+OY
...Ez MNOYAITTE
...Ez MNOYAITTE
...pic \lambdaady NaN
...pic \lambdaady NaN
...NOYTE

```
                ...NOYTE
```

1
．．．．coyph
．．．लाँatep
．．． $\bar{N} \boldsymbol{Z} \boldsymbol{H} \boldsymbol{H} \boldsymbol{d}$
．．．．aiczair rap
$5 \cdot . \cdot \bar{N} H \lambda / d C$ TEC／TPE
－•e入izaloc
－•Tpoc Maptepw

1［a］nok cwho．．．．
［ $\omega \mathrm{H} H$ ］$] \in \mathrm{NQ}, 0 \mathrm{Z}, \mathrm{C}$
－•入е1 MMOI．．．．
NTAGix
єrp／$i \in \pi \in \pi \cdots$
5

1

$$
\cdot \cdot \pi d
$$

$$
\cdots \omega N \text { Trrocy }
$$

．．．•TCON MTIDICuT
$\cdots K$ фibamwn nday［EI］
5 a adanind Trapa
Kadel mmol diczdI TEBXXE $\bar{N} \cdots$
TeyENCOMOYн入
Tidacyane f

```
\(1+\quad{ }^{\circ} r\)
    \(+\)
    TENTAKApd....
    KんçTd•NH•••
5 2INE Iz TEKKPIP
    MNdBT分入入d :d
    TANIHA CTHXH MEN
                            Kd入d....
```117
\(1 \quad 2 M \pi \rho d N M \pi\)
    ... oyaB
            f anok cia \(\pi\)
    ....apcun Mmatidc 2
\(5 \cdots{ }^{5} \cdot . \cdot K\) aKfCNay \(N\)
    \(\cdots \in N X p \in \omega \subset \cdots \cdot\)
        -••TdC
        -••oy

118

1 aNOK AaNIM［A］．．．
2KI2T रNオHM．．．．

pewcter nak ．．．．
F OCENANOY rIM ．．．
Tady NaK．．．． MEN．．．．

1 •••оу•••
－••pHTE ．．．
－••אк入є \(\quad\) ．．．
．．．．Kentenapion．．．．
\(5 \cdot . \cdot 204\) apok za．．．．
．．．．kaice Fimoqn．．．
verso
1 ．．．．God \(x \in \cdots \cdot\)

．．．oy fō̄mÑtpe．．．．
．．．2dpid fō̄．．．．
5 ．．．．TENOY•••
－••3•••
    ....NTINOMOC NOYWT
....[.c]фd\lambdala creoynthce
    ....Nractad& NH THPG
5 .... EPOC NTENOY ya
    ...epul ECNagwte
    .... ntactadq nh thpy
    ..[[c]TYXH G†\beta\lambdaXE ANOK
        ....wpe dca|f mmoï dic
10 ...coy cawge n0wt
        ....xHME 十\omega
            ....kaxioy
        1 2 0
1 ....ria noyb.F....
    EzOYN N42....
    NOK ÖCAK M....
    uywM ENENTay....
5 cTEXE1 \inTIB\lambdaTE TMN....
    EGCH2 EPOCT T NNOK \lambdaE....
    OC TCyHPE MTETPOC
    MN....
```

```
```

1.... coycanne

```
```

```
1.... coycanne
```

1
fanok iw CH申 FTra
Naxwpel MN
TETPOC N̄AdC
5 zapoc eyczaï Natra Buktwp - p .. TOIXEI ETOOT .... I mMaze Nak .... $\overline{\text { Htetpoc }}$ N .... $\bar{n}$ ampı .... Anok icak ..... ${ }^{\prime}$ diczal Ta
.... tomaptyp 15 an[oK a]bpazam TPGECB/ fomaptype IEPHMI dc maldKX NKE.
maptypew

1

$$
\text { .... } \lambda a
$$

-••MAdrt
.... xwpic dady $\bar{N}$ ....e fctoixs ete
$s$.... diczaitc ÑCOY MNTT
... $\overline{K 2}$ NazpN apwn Tida
[щd]E जिХHME $f$ ANOK TETPOC जिÖ̈CHC TAIAK a/C्रai'TC tommdg

```
1 ...Mo\lambdaort!...
                    ....TMMAKy yenoyTE....
                        . ...ANOK atra dIoc T|GEN....
                ...kapioc cammoyh\lambda....
5....MMETpE aNOK ICAK THYyEN....
...\epsilon\lambdadX NA/dK\omegaN d,
                            CWMdTIZE MMOCN....
                            \sigma!⿱ ayw 十\omegam....
```

124
ANOK TE....125

Bazce Tp．．．．

тиyнpt N入a．．．．
xptocte nakn．．．．
oykac NTaTa．．．．
NG Epcyarrawn［E］．．．．
Tradk $\in \beta \circ \lambda$ Nd．．．．
remoc NTaf．．．．
CENNOY NaK za．．．．
EdI wzmToy．．．．
TE NCzÖHE

1 EKTMCN•••
TH2 ETIAWNE NTATA［ $\lambda y]$
NAK NTEITHCYE NzOAOK MN
CNAY NTEPMHCION zapOC dX
5 NdMф＇Bodefd Eyopr NaR di．．．．
dC申d $\lambda \in 1,2 N C O Y G T O O Y$
．．．TEIPOMTE OKT
EC••••

1 ．．．ceir mmoc ．．．．［d］токритос
．．．．таdто入okiz［G］．．．．
5 ．．．Bot trawne ．．．．
．．．．тpoc matme
．．．．dMфIBo入Id $\pi \cdot .$.
－．．$T \in 1$ ac申dג／a N．．．
．．．．［M］a NiM EyNdMфd．．．．
．．．．ntazomodorel ．．．．
．．．．noyte †ctexti e．．．．
．．．．［anjok Biktwp Tuy
．．．［ $[, 1 \mathrm{k}]$ тшр．трa．．．．
．．．．2am．．．

128

Kata oy $x \in \in \cdots$
npugun ncz．．．
mantoyzu．．．
5 MNMNTACE ．．．．
MMaxt Nugum．．．．
ENEIMJTMVOM

1 f anok $1 \in Z \in K \operatorname{Hr}[\lambda]$

NNEK．．．
NEM．．．．
．．．．


1 TrazwM yM．．．．
十マITN andt．．．．
rapuy $\in \lambda . .$.
zwMoloc．．．．
5 Tdpuyt ${ }^{5}$ ．．．．

1

$$
f \quad \lambda d y \in I \lambda
$$

 TAIdK $\bar{N} N H$ EGC2aiin． Ey 2a $\bar{N} O y 20$ Ncoyo $\bar{N}$
5 dTcywM uydTd $\omega$［ $N \in$ ］ NTANTTY ETECN．．．． T．．．．KdN．．．． MWNE．．．．

1
тir....
Trawne MNTd....
CyINTE MNOYKP....
२HTEMOC NTA...
$\checkmark$ Tcyop GTNHY aBo[A]
TEPOMTTE $P$
NpCyIN....
.... ElN $\omega x$
... . $\Delta \pi$ tooy at
....बqNaxt $\in$ Bod
5 .... $\bar{N} T \in \rho \in G \bar{H} T O N$ ज .... $\bar{N} T \in p \in y$ Moy aldoc
... KdN zmittime kaznt


- Kecynpe ntepicyine te
" GïOte NEMAI NH ÑZHT
Hy dcazepatc epog ...
Eoyackitg oya....
वїто12 are....
d $\operatorname{dIOC}$ NKdAd....
15 ld $\bar{N}+\boldsymbol{d}$ GIX.... NNN....

1. fanok matepmoyte

GTCZAI GGMINE ETEG
MEPITN̄CON Traydoc dpi[T]
MĀTCON EITTAPaKdAEI FMOK
5 NTRBuK EMAÑKYpIaKOC ÑdayEId
Naßerald - Ñ̈dI mei mīt
 NaN KGOOYN/TAP $x \in \bar{M} T E N$ $\overline{C P G} \in / \in \in 1$ EPHC- EGrOOG

10

dN TETEGNATADG NAK
XITG GGNAK/ OYKdTITWNE

NaN GwK ON EMdN̄ICaK
15 जाThdc wji / TEIKEXOYTH Nuge ÑzOMNT nTooth NT WOOYCOY NAN ${ }^{\epsilon 4}$ XOOG XE TXOYTH

134 Continued
HMW dN/ TETEGNATADG NAK XITG EYNDK/ OYKATITWNE

1 f Ta....
टETN ElWCHф 丈E EPTC
TOTE THPC XW TECTEWZE NMdZE NTtEPXW ddyE

10
N2NWE dPOC EMETE AM dरE dNoK uya $i$ ECZd $\because$ NAdyEid $X \in X I \pi T E$ pHECE NTOTG NTEMIT pE NTTAG NKAKd
BONE

1 fapitMत्NT con Nrai mio
roc nait ampan miridcydne ayw empan mitiome Thpq 5 adid xïTG mirkamoyd ON ayw napeme thpoy mita dTrOYCKHYE THPC KCOOYN It uyaidi doroc KdTd pomtte MNNCwC ON TEXE TKKM
10 oy ${ }^{\lambda}$ XII MAI'EI EPHC MN TEK EXi $\pi \lambda^{\text {sic }}$ Nai $T$
Nooyy Nai NpHCT
TdXH Tdac NNA
Takoykle z'T.
15 tretponidac
TEPAC वyHM $\pi \cdots$
Eqczai Gquyine
ETEGMEPIT NAOGIC N
5 Gimt atra gpante
dpITaramH uy[ $\lambda \mu \lambda]$
exwí $\bar{N} T \in T$ Noy
TE POYNA NM
MAN ZAMHN

```
            137 verso
    I
    CLAII ATTEKRHNT
    \epsilon/wT GroyadB dyw
    ETNANDY 唯 alpacyE
5 EMATE EMATE ZMTTA[RHT]
    THPG }\because\quadXE dK\overline{\rho
    TretyE NOYOYZOOP ET
        mooyT }\therefore\mathrm{ dyw Eg\omc
        NdTuydy dyw N
                cto zeBO\lambda NिpEc[p]
                NOBE OYXA#
```

Mracydxt $N \in \lambda[a x]$ aNOK
GPaNTE TEPEGPNOBE EGCZAI
EGYINE ENEGMEPATE NCNHY
5 ETNANOYOY $\theta \in \omega \lambda \omega \rho O C$ MN
$\phi \in p$ dpITdramH $\pi \Delta x O \in \mathbb{C}$
AICON $\phi \in \rho$ NTEI EZOYN NAII NCdY
NE OYXAT ミMTIXOEIC NAMEPATENCNHY
ETNANOY $H$ drld TPIdC．

1 aNOK GPaNTE TE pEGTNNOBE EGCZAIGG
YINE ETHEGMEPIT NXOEIC ［NCO］N ETNANOYG dTrd
5 tewdwpoc mī̃̃̄uc fac
TAZE FMOK NTaTPO ZITd
TPO ENOYTI ECOYdAB TXOEIC MNTEKTतND HNNCWC ON + YINE ETACWNE FMAI


1 yopr men †w［iNE ETEKMNTCYHPE］
ETNANOYC $\pi \Delta O \in[L \subset \in G \in C M O Y$ EPOK］
NGdYZdNE F［HOK ZMTETNANOYY NIM］
Katate $\bar{N} T a i ̈ r d \rho a k d \lambda \in I$［ज̈MOK FITEi］
5 oyoelcy zaTamokpicic $\bar{N} \bar{N}[$［yHpe FITMd］
Kaploc cteqdinoc apirna ．．．．
xE KCOOYN $x \in$ zENOPфANOC［NE dpI］
mna N̈taye meyaxe inoy．．．．
Katd TENTAKCOTHEG K［d，rap］
10
十ЄIpe $\bar{M} \pi$ MEyE dKTayo
$\pi c y a x \in \in \rho O \% \in \pi \in G \partial \omega K$
ApITINA ON MTIP
．．TOK ミMTLya
作 Kal rap +
15
cooyn

141 verso

1

TNNOOYY NaK
2dTEシ $2 \omega B+$

TPOC Өн NTAKTOOY TTEP
MHCION NCOYO NAY' zdEE MMTTOOY N̄GTOOY NNEPTOB.
MNGTOE FMdXE Oywleye
5 OyÑ NTTOYzO Na dBpa
ZdH TUM MHPE ECZHTE dGE1
ETOT NTKW $\pi \lambda \in \pi a C$ ząTHK
uдNTE TNOYTE TOMT NTTAEI
EzOYN NTATTAXK $\in B O \lambda$ MTTKOY
$10 \lambda \in T \mathrm{AC}$ NNENI产 ETEPOV didd
Trdnteuc oyN Mīpkew neyoyTddy ndy TENTAICNNTG NMMDK CydIcyATK FMOG ETEGTOOY NNEPTOB NE MN पTOE MMAZE TETEPOi zW yai

BITMO2K MMOG $f$ oyxdi
2MTXOEIC

```
1 f INOK NONNA
            EIC{di EIM,NE
            \epsilonTray\lambdaoc Fmwychc
            \partialE \epsilonTI\DeltaH dTICPDH\lambdaEI N
5 \text { cNOYG dGBI NEKTBNOOYE dymapa}
    Ka\lambdaI FMOG aqTady NaK N
            TENOY oywfZ m\lambdaIYE MMOzE
                NON EBOD zdpooy MH
            moTE NTETICPAHA Ei'
10 NGBITOY NKOYCON
                    TENOY EIC2HTE
                        dIczdi dimdpTypIze
                MMOK TNNOOY
                                TaTTOKpICIC
15 Nai f oy\Deltad[i]
```

1 2det $M \in N \quad H \operatorname{sic}$ mauya ${ }_{\mathrm{X}}^{\mathrm{sic}} \bar{N} \in \lambda d x{ }_{\lambda}^{\operatorname{sic}}$ HMINE DTTAMEPIT ÑCON ETTXIHY Kd
$s$ Td CMOT NIM MNN cwc frrapakadeI
NTEKMNTCON $\in T^{P} \in K \bar{\rho} \pi N A M N$ TPWME ETNd
10 NTEIBAXENA［K］
TddC MTrd MEPITNCON dNOT 21

1 ［t uydp\＃MEN fCyINE ETEK ［HNTUHH］$\Pi$ TXOEIC EGECMOY ［EPOK］dpitaramH NT＋2ICE NAK NTEI NTAENTK MTT
$5 \in z \omega B$ Mザp$\sigma_{\omega} x \in+x p 1 d T E$ Tddc MTrdcyHpENP
［E4P］रOTE \＃ECNTTE］
zTN dBPA
［2］dam $\pi \in 1 \in$
verso
1 入ax ǸNETICKX रMTINA FITNOYTE

1 f TIEADX／IWRANNAC EGCZdi EGMINE ЄTMEPITNTCON IWCH申：ЄTIAH dīIOOY NAK ZAUE NNEIZOOY XE AMOY ENZHT NAI＇ MTIZWR $\alpha K \in 1$ FTTENिWME Tw $\bar{N} \bar{K}$
5 Ka入шc aKß 5 NK NAK TENOY BICNAY NZODOK NTEI ENZHT NDO ZNOYOG TH EYMH2 FITICy＇Firtitocy $x \in T \in$ xp／d


1 fapitardmh NT

THCE TPTHKENE DNOK IWCH中
5 delčdif $B \in \lambda$ $x \in \operatorname{NdK} \operatorname{TdAC} \bar{\sim}$
KANA2 2ITN
$1 \omega C H \phi$

10 ETKNAKNTG dpI
TdrdगH MTPKw
Nugoy xooyg
Tddc Ndcd
Oyd z＇TN
15 IWdNNHC NICdK

```
1 f TadC
            m\piterpoc
        ZITN Kypd dK
        czal na% zaNCOyo
5 E\rhougan TMEzOTEPOC BwK
            NaG ECTa\lambdao EBBd\lambdaH MaitNNo
            OY NAK N
            NTata\lambdaO NCOYO NaKETMaI +CPOGT
            Noydemakdmoyd fr 0e NE%
                    ENZHT NTEZNE TMd Md
                        N\lambda.TTE K0 dy\omega EPE Troyd
                                    TOYd cHI< MEN
```

151
anok Trazatph
-.czai $\bar{N} k O y \lambda \omega x \in$ $\Delta \in \in \pi I \Delta H$ aice $\epsilon^{N \omega}$ razwB. NEMH EIZ MOOC EZdi NEHH
5 MNDANIHA ZE ANOK TTE
TrOAOKOTINOC MNNCOYO dirOOC NH XE TPWME ETd $\bar{N} T \in \beta \lambda \gamma \in$ NH EPNHG NCKEYH

frdac NKoyicute 2ITN Trazatph f

1
TuyHMTTADM ENCZaI NOI
He ncolomwn twoy ETIAH
d/ бNTEIWT d/TIDPAKAXEI
5 mmog xe apl Taratin NT NTNIYIC Ezpai MaI zMT usd NTd fNCOYO NHK + NOY EC ÏKKWB TWP.. MYAMHP d $\because$ к心गT20
10 DYKAC NCOYO NTOTG TTNIYIC NdG NTXI

TAdC NGIME NCOX
OMWN 2ITN IUANNHC Mïatpoc

10 ... NaÑEBpa EßOA TNATNNOOY
... NaK NTETEK2HTMTON KAI Fap KCOOYN
... oycotr nt. pawt + oyxai zMmáeic
Tadc MTEYAdB) NCON MWYCHC
$\pi A / A K \omega N+2 I T N ̈ ̈ a k \omega \in$ TTPEC
15
$\pi(\in \lambda a X]$ N $p \in G p N O B \in$
［andK IAKwB．．．．
．．．caßek tpmrtme
dIDOY NH ZवTiNpTE
5 ［ब］न्yद NHI dḯNG NETAE
XdOYG NH dPXOY OYD NHÏ
EqdNITTCZIME ETTANTBA
XE NH NH CNTE TITTAE NPTTE
dNOK IAKWB TCTHXE
10 ETEßAXE
TadC ECABEK
マITN IdKんR

157
．．．．
1 zIcexe oya Fitracune $\overline{N G \in 1}$ apHC NGP aNdMe $x \in G O N$ 5 datricun ．．．． ．．．$\pi$ 化．．．
．．．．oy．．．．
．．．．

1 f NCyOITP MEN tCyINE $\in \cdots$. MNTCON HNTETMOOT ••• 2MTEKHi apitarath．．．． TTPHMHCE NAI KdTAO．．．．
5 MNTC NEMAI $x \in$ oydrin ．．．．
nd dTta KYpIKOC TENOY P ．．．．
TNNOOYG NAI HMON COY［ANAKA］ZE
MMOI zapog twpk nak minayte
$\pi$ Tantwkparwp $x \in$ MTOYaNaKdze
10 mror zapog malanoyk on epog ario $N$ TEKENG NAI MAYOK TADC MTTAMM
pITNCON ETTAEY TEKWM
zITN zAMEUC TEGCON oy®AI
2MTXOEIC

1 fanok matdioc
Mindayctoc MNTra
Trd GYMint TEyHay
xE TENOY ETEYNAN
5 TEBEAXE NH TNNAY
ָ̄गONXH NAI NTTOTG
NTPPWME ETNHY NE EC [H]dAaroc $z^{\prime \prime \pi} \mathrm{I}^{\circ} \mathrm{y}$ dNOK фAyctoc

EYNAOYWP2 TEYTI....
XOEIC NTPOMTE GNA....
Fital moci/ mNNCyidorpun....
5 XOEIC ENE2 NGXIT....
TOYTHCYE NZOAOKX MNTEG....
ETET UYHNKYPIdKOC NTAOYTE. ..

de $\bar{N} K a K a m d y$ dyw oywr....
10
EYA NTOY ETOYN NTG...
NIM EYNA N a


1 ．．．CdTNdy NTpi
．．．Ncoyo $\bar{N} \in \lambda a y$ ugH
－••Oy NdK
．．．．Tday ran zitootk
5 ．．．．
KaN OYdKEI NZMT
．．．CKHyENTdEI EPHC
$\Delta p \Delta \in \in p \in T \in N \in Y$ ．．．．
дwk dyw ON ．．．
10
．．．pe mzwa ．．．．
$\cdots$ ．．．pooy ．．．

1

```
Biw．．．．
```

нре ауш тиунрє．．．．
2apai ecuydNEI Ep．．．．
5 aTCwTM NCOG ayw Eq．．．． NWTApIdC．．． NNa．．．．
verso
1 $\in$ MNMApKX．．． TE F ANOK．．．．

162 verso

Br
Natuc aney．．．．
Ne NrBitoy $\bar{N} \cdots$
np̄̈r Nay ayw
5 BNNE：dMOY N．．．．
EIE TEK2HT MO．．．．
MMON
EとうuTt Kady $\ldots .$.
TNNOOY TIXWK ．．．．
EYरI TEBAxEN．．．．
10 THe Nay $\bar{N} T \rho!\bar{F} . .$.
rexpid te Kan oy．．．．
［K］dN oyd／N̄KH．．．．
ntael oyxd．．．．

164

1

TEKOyxal EBo入 N．．．．
MEI ECOTMEY NNAY．．．．
F $\boldsymbol{\sigma} \in$ N $\theta \in$ NTATETNK K．．．
$z \in \in Z \in K$ TETN KEA．．．．
DOH．．．．
verso
1 иуш．．．．
KąNT：．．．
cyatenoy ．．．．
фo $\lambda \in 1 d$ जN．．．．
v ram + oyxal

1．．．c dyw atrazaH
．．．．2rt त̄tañтronok
．．．．kar rap akxooy za
．．．．mтоoy d／кwiyw
5 ．．．K dTteKcynpe ticak
．．．．day $\theta \in K \lambda a$ FTTKEI
．．．．$x \in$ aktayo zencya
．．．．m mtteltayo ugd
．．．wb⿴⿱冂一⿰丨丨丁口内 oyN NTG．
$10 \cdot . \cdot E I$ ENZHT MTP

1 ．．．．［l］mzan［vic］
［clzar mTtChC
．．．．h aktnnody］
．．．［e］rbe $\pi$ Kamacoy
5 ．．．．k npwme ek
．．．．ntati ephc
．．．．HI ETTIC
．．．．xloyhp
．．．．oymel

166
1 f $\theta_{H K \lambda d} \in C \subset 2[]$
ETIAA $\operatorname{AKTNNOOY}^{\prime}$
TrazwM xI．．．．
Ta．．．

1 ．．．．$\lambda \pi$ ．．．
HHCE EIC 2AT．．．．
x $\in \pi \in \pi \rho \omega . . \cdot$
ЄKTMEI XOOY
5 EKXBXOBT XE ．．．．
．．．－$x \in$ 2化．．．．

```
1 .... TIANTWN TNTPOOKKYNE NTETN M....
    ...ETETNXW MMOC \E TTETNAPI\sigmaE....
                .... ETETNMOYMT rap....
    ....TNNOOycOy cyap\omegauTN
    v .... dNCZd, zdz NHTNN] ....
```

$$
\begin{aligned}
& 1 \text {.... } \\
& \text {... OM mace } \overline{\text { NNH }} \\
& \text {. .. ETAIKAION } \\
& \text {....entroyte } \\
& 5 \\
& \text {....2んT cरdi } \\
& \text {...eipe kata } \\
& \text {...-oyxt } \\
& 1 \text { TETNABITTMEPOC } \\
& \text { TAN2HT 2H.... } \\
& \text { EYNaß/trca.... } \\
& \text { 2NNTPOYरE } \\
& 5 \text { Gewdmpoc }
\end{aligned}
$$

．．．．d．．．．
．．．．т．．．
．．．•yTE．．．．
．．．．ひ̈ zETra．．．．
．．．•MMHTN ．．．
［a］ynamic H．．．．
．．．．EITr／ceyacy．．．．
．．．．eye Ntayò $\pi \cdot .$.
．．．Bonat Nay Nで．．．
．．．．NÑzENKE E．．．．
OYZNん NIM E．．．．
NBPPE Ň HTOY
［0lyNoxoy tpooy
．．．．cyatißl єcy．．．．

$$
\text { . . . } \dot{M} \pi \in 1 \text { EcyTadooy }
$$

．．．．TENTETN T．．．．
．．．．nPE ETETN．．．．
．．．．©ßod えtaxl．．．．
．．．．Mítä m．．．．
．．．．$\epsilon$ IC Tra ．．．．Nag on．．．．

1 MaIkaion netnete $\bar{N} X$ $\pi \Delta l o I k y ~ H \lambda / A C$ TAT $\cdot \cdots$ Nomoc $+\in \pi I T p \in \pi . .$. T2ai Neyooc $\bar{N} \cdot .$.
oyzonokotce ．．．． тpoct．．． nd $\omega \lambda \in K d \cdots$ cKdIAEK
f $2 M \pi \rho$ an $n щ о р \in \pi \in z \omega . .$. tecentioc eica.... zMTPAN minnoyt.... ZWB NIM ANOK

176

1
....EGÑTOY ZAH
... Iac necapa
....keye nnicdak
5 ... Moze Nandpedc
....acthpion Ñtooy
...oyramoya
... . Ñoywt mitoy
....moze nag Ñcoyo
10
.... दitoy NTdY +

177
1 ERPaYє MENI T....
टMTEITEMOYT E....
NTMOAIC EPMON[T]

- THayE NzOdok.

5 NHPTT TPOC $\triangle \cdots$
nta NTE $_{\text {NGE.... }}$
Neyaten....
copr ay.
FMoC $N$
10
nTOOT.
ayw
verso

$$
\begin{aligned}
& \text { 1....dzEN nhpr } \\
& \text {....ndy EBOX }
\end{aligned}
$$

...[z]o入oش NNOYB EIAE MHCE ... .... Nail z'trToy nKQT
5 -..entoy nak npacte -•• 2pooy
1....TOK Tracybnp
.... nOYTE TETO
. . . . $\bar{N}$ Tdïddy NdK
....diarpaфon MTHEK
5 ...NAK YITG MNNEK ...COOYN ETNEY zdXOOY ....N EXVNMNTH NAPTOB N ....NdG dyw oydi苗pBup .... $z^{T}$ epog NTaoyeu $\overline{\text { NT }}$
10... OY oydikaIon dN TTE ....dद dpcurre nNM ftrec ...N NCABXAHTN dyw ete
.... MNTETNMddy $\bar{M}$
$\pi \rho \cdots$

1 ... 2pow
-••M?
.... May Mdpıa

$5 \cdots$...TEPHHCICNN
....ey :yatBeñ
-••dITNNOYCOY
....[tep]racioun
...d.dntcd....

1

akdooyq nan f．．．．
Naサa ïवak \＃тpec．．．．
fzitn midayang
ÑWME

1 ．．．．NKん．．．．
Eit MMañeyt ．．．．
K cooy xt Me．．．．
AdayE EPOK $\in N \in Z$
5 TadC nzdpun Tida
Cyant ZITN \＄OI
Bamwnt

183

```
1 fanok copia
    t ETCzdi NaKopBr.
            NE ugacyomNT M
    GEPWN EI ETOOT NN
5 \mp@code { c N A Y ~ N ̄ K O Y K O M O O Y }
    dZEN CNTE N}KEXOY
    EI ETOOT OYCAYZE MNNOY
        pok Bapöt aBdoy
    ....mNoy\pipHcy
```

1 f anok icak tet．．．．
canna GIME $\bar{N} K d \theta . .$.
ETIAH díxooy NH $\overline{N C}$ ．

5 Tdil amntpe．．．．
dTE XE TZOAOKX CMONT．．．．
apธooy Nal te mNTAK dadiy］．．．．
Kal rap reatel ncorr te mar ．．．．
icic eite $\sigma \in \pi$ ．．．．$\epsilon$ 位...

foyxai 2Mmxotic

1 ••• ．．．
$\bar{N} \operatorname{CON}$ Tde／d［H］
xalpe fNoy $\epsilon c \pi \cdot \cdots$
dGE1 EZOYN NHO CTTOYAAZE
5 NбBitplume noitezoyn nHi NNE
т由八न фwB FMaN axp／d uywTt
fNoy $\bar{N} \bar{\pi} \rho a M \in \lambda \in 1$ ZNOYFITH dEI
LOYN f TAdC NTTAEIAM 之̈TN ECDPA Tidayane

```
1 faNOK IW
        zaNNHC ETC
        2d% ETUIINE ENEY
        MEPaTE N゙CON M[at]
5 [O]dIOC MNENWX MN
    NEGapHY THPOY TENOY
        ..TE TEIBA\E NATT\omegaZ EPOK XOOY
                .... Ñ\sigma\lambda\omega ntibe Nal
            x\inT[EXPl]a TE TENOY. TETE| 隹
\E NaTr\omegaZ EPOK... poywuy
            .... KaN pwMETracy%
KAN PWME TMINIC EGNZOT
    xOOYGOY NAII NTOTOY
        ...metye fNa
            ....M\pit
```

        187
    ．．．．ATayog $\in$
．．．．$x \in$ aczooc natrpume $x \in$ ．．．．$\overline{B C} \overline{\text { Mittomoc ayw Tnoyte }}$
5 ．．．．TEIzE ENEZ EIPE MMO ．．．．［T］NOY ZNAY NIM EKNATA
．．．． $\bar{N} T O K \in T K \in \lambda \in Y \in \bar{N}$
．．．．ez h coyo h kamice
．．．．oyaiixiテ̄́g ayw $\overline{N t a}$

If aNOK 中．．．．
xt oywus．．．．
Taxi 十 $\beta \lambda y[\epsilon]$
oyTaz Ndm．．．．
5 NTEXICOOY．．．．
ndi NTdTddy ．．．．

```
I
    M..agN...
        ....\pinay ere....
        ...NTGN oykamoyd
        ....NTECZIME ETNZOYN....
```



```
        PzWB zннTOY
    20 mMOY oydIONXOYWT....
    zo\lambdaOMX ÑCCDNOYKEMHPE NT....
        HTOLE TECTO N一T\ddY
            KHpId MdzOYZdN....
10 XI NTO....
        oyg\inN
            N2N....
                1 9 1
1 ....q Ep\omega
    ...牙 \overline{NKEpat}
        .... Tra|wt lak...
    TETN XTIOY NTETN
5 +oy GBOD NKKW
    NZOMT \AटTHK
        yantaEl
verso
1 EICZHTE al
        CZaï \overline{N/akwb xe....}
    TNOY NHTN EtBE....
    z\epsilon\PiгшB NNH\rho\pi\epsilon ....
5 HTN EPMANN....
```

1

$$
\begin{aligned}
& \text { •••2dT } \\
& \text {... eñcabluk N̄ta } \\
& \text {.... } \overline{\pi p} \sigma \omega \bar{N} \text { щoy Tazoi' } \\
& \text {.... Mhttote } \bar{N} T a B \text { uk } \\
& 5 \text {... APIKE EPOM }
\end{aligned}
$$

．．．．गुacon danira

．．．ooy NaK

1 ．－pir apitaramh ［T］Nooy Tracyomit neiw nait ntatady
EROX NTA十THPT
5 NTррwME $\bar{H} \pi \in р a \cdot . \cdot$

$\pi \epsilon$
TAHW マITN
－•Bamwn

1 f yopr men twine ．．．．
TETN MNTCON ETAIE，．．
Kata cmot NiM ayw．．．
ctraze Fincutin MN．．．
C YOOT THPOY KATA N．．
KOY，TNNNNOG P．．．． T2ITOOTK．．．．

EN．．．．

1 Trdxoy Mmadoy
єTCza" $\bar{N}$ uyaí єTIIAH dimpHÑzoyn tay cndy $\bar{N}$
N̄bOC $\bar{N} T O T K$ akcy....
ज ak†oympнcy Nai N....
FMok mדйap. at!.
nait zapog twoy t....

जिтот̆ नाтwp....
oyx[al]

196
$1 \quad z \in$ Nai TEXAG $\Delta E$
GINACMHE POK aNT
ZOOC ZE TIAIKAION TE
TEXOOY NaK NugopT
5 oywu NTBWK TECKy MOC NTEI EPHC NTN TENzWB a NTC2di.
. MTTENCON

198

1
etle mnoyte....
andraze moc er....
oyzodokotce
5 I $\quad$ KAdC EPETNOYTE NA2HEK ENTCYWNE oyxal zMmzoic Tadc NTraydoc NantwnIOC

10
zITN XpICT.
 MĨTKOYZE aKGiTroy
TMECE TENOY ECTTEBEX
XE dizooyc NaK $\overline{N T O Y T \bar{G}}$
5 mirdeidam tenoy ec NE zOMNT GIAGITOY NT EPHC MTPCEzE... NEG TTWCy M.... NGXOOY N....
10
$\in P H C \quad O Y$.
$X O \in\left[\begin{array}{ll}1 & C\end{array}\right]$

197
1 .... Timioto.

- mabpazar B. ктшр $\pi \in \in \in \lambda^{X}+$ 2d甘H NEM Firrugax[ $\epsilon$ ] 5

199
1
Nuyacyoy
... EKMEPOC

- noyg ntak....

5 EPOG aIfoyzodok
Natreßeunz $\in T \cdot$
EIC CYHZMH
TAGTE NOITEE]
NTAK..
10 f $\triangle N \cdots$

199 verso

1
20NOK NAG
Katdet NTA
KMOOCJE 2＇TOO
$5 T$ TNNOY Td
TOKPIC Na：
ETRE NEKEPT
$x \in$ O YdKTA
$\lambda d y \in 1 \cdots$
10 oyak．．．． pwi／．．．

200

1
ANO••••
MNdpKdd．．．．
ZNTEPKWT．．．．
тughpe ncdy $\cdot \cdots$
5 aIte nCTE.$\cdots$ －••N•••
－•••

201
1 TandCTE ETCzal ETuy［1］ $N \in,{ }^{C H}$ TW aroy $\in \mathcal{L}[0 y]$ N NTATEXLUN EPTE $A T E$ NdK
5 oyxhl ZNTXOE佻］

1 ［an］ok ïcak ．．．．［matnoyte $x \in$
．．．OOYG EPHC NaK
［2d入okotinoc eTa
v．．．TTE KAN Hi
．．．oy kd

203
1 ．．．mÑtedax uyine

$$
\begin{aligned}
& \cdots \in \overline{N T O O T G} N \text { XOYi } T \in N \\
& \cdots G \in I C \text { cooy } \bar{N} \in B O T \text { ay } \\
& \text {....入d EGCH2 } \boldsymbol{d E} \in \\
& \text {....dn N̄Goñe } \\
& \text {....kotce ai } x \\
& \text {. . . Ecejwtte } \\
& \text {.... } \in \text {.... }
\end{aligned}
$$

verso
1 MNTY KOC．．．．
NION TCT．．．．
Tronokotce＋．．．．
dn ay．．．．
5 noyb ţb．．．．
XINXH．．．．
－•・サス・•••
$1 \cdots M \in Z a$
．．．ezpai dyw
－••OTINOC NAK
．．．$k$ cnay oybac et
5 ．．．．Moy EBod TdXh EIC
．．．．Epooy Tpocth N̄TaK
$\cdots \cdot . \cdot 20 \%$ MNTtIZOI Taxn
．．．orlze Tfpocte NTaK xoy oyxa $\%$

205

1 ．．．．NTEXpEId
．．．．．$\omega$ CTEI MMOG Nd
－•Oyxai
［rad］c Fitracon
$5 \quad[0] N \Delta \rho \in d C$ ZITN
［i］$\omega \subset \boldsymbol{C}$

206
．．．．
1 TuyINEG．．．．
NCoTI：d／．．．．
EITEMHCEN．•••
TNNOOY Nail．．．．
5 Kpic Nä̈ $\bar{M} \pi \cdot \cdots$
ミM：EIMHTIN．．．．
чунтषшХ：M．．．．
十以ïTE：2HT．．．．
－apus dBod ．．．．
10 TWC d／．．．．
di．．．．

$$
\begin{aligned}
& 1 \text {...GMINE aBdTMEC } \\
& \text {....ye N̄eyare } \\
& \text {...TON TOYd TOyd } \\
& \text {...TabwK xoymid } \\
& 5 \text {...pe uydpcume } \\
& \text {....[Q]wk xoymid dzpd } z^{\bar{N}} \\
& \text {... NOYTE TEZXI ON } \\
& \text { XOOY TEGCON DZOYN } \\
& \text { ••NTOTG MTITP } \\
& 10 \text {... KT dzOYN dN CIKNE } \\
& \text {....dc... } \\
& \text { NTPんwME. . . } \\
& \text {...cy } \\
& \text {...coyd.... }
\end{aligned}
$$

## verso

I KECTHCNHY dPHC•••
TaxapthC aBdA EY．．．．
oydnt！
Napxwn $x \in$ ddc．．．．
5 ．．．．wpdc．．．．
NTE1 dzoyN NT2i．．．
NEMdi dMoy EIC．．．
．．．．गatrac $\in \mathbb{C} \bar{N} \cdot .$.
oyxdi $2^{-\mu \pi}$ $x 0 \in I C$

209
210
1 ••••
...ez Koy
... $2 \omega t$ Taibur
... . Meitwcy $\lambda a y \in$
$5 . . . d x \omega T A$ TENOY
.... dxE Naİ NTOTG
.... TIICTOAH NHTN
.... re Finrra Ey
$\cdots \in \mathbb{B} \cdot \cdots$

```
1 f
```

1 f
0\inK\lambdad \in....
0\inK\lambdad \in....
|\epsilon \in\piI\DeltaH ....
|\epsilon \in\piI\DeltaH ....
वрнс MNM....
वрнс MNM....
F aKd\lambda\overline{G}\inzOYN....
F aKd\lambda\overline{G}\inzOYN....
TE| NTEMN....
TE| NTEMN....
NGC2dO d\piEGP...
NGC2dO d\piEGP...
NOYB m\ini゙K....
NOYB m\ini゙K....
B|Kт橧....

```
    B|Kт橧....
```


Tac TNuINE EpW....
TH $\overline{P G} \pi$ тоєic $\overline{\text { IC }} \cdot$.
2'OYCOTR KdTA....
5 MÑTCON KEY入E....
MNTETICTOXH....
OIOC DN2...
verso
1.... uyantG
....c mmamepit
.... ON ctega
....2ITN 中OIBd
$5[$ HCNN $] \pi I \in \lambda a x$
1 •••oc ntratoce !?
.... oc ugine azipirnk cwne
dNOK
TOTG PS + KOCMA MINE
ETAMEPIT ZNOKGAMWN ZMTAT
5 THATE TIMINE ARIPIGH
THPEG + $\begin{aligned} & \text { ANOK MCA } \\ & \text { TCANID }\end{aligned}$
Z'PIRHK ZHTTAZHT
- ine az'pirak Ta....


```
1 feiccoyzo\lambdaokr mN
    OYTPIMS NapItmld
    ay\in1 ETAdT zIrdark N
    TOK bIKTwP 1EZEKIHA
5 MNTTXEP TEKEyHPE {dTETN
AIdrpaqON zITAEyTEPd
KdTABO\lambdaH NTPOHTTE EKTHC
Erpa/ m xold
fanactacioc mamH cTO,X
```

$1 \quad f \in I C$ cNa［y Nzo］
गok Nopi［धMId ay］
є1 $\epsilon$ TOOT z1TOO［THYTN］ NTCTN DANIHAN．．．．
5 rIOC MNTEWPRIOC IN．．．． $\theta \in I O C$ za\＃tTN dIarpaфon zirmpa TH Katabodh ntelpormt deytepo HHCOPH व IND／TPITHC friIdC TATIE fCTOI＋dNACTACIOC

220
1 feic oyzonok napit．．．．
ETOOT $2^{\prime}$ TOOTK NTOK HA…
nd Zottekdiarpaфo［N］．．．．
Kataßodn nteIpomme ．．．．
5 TEPd ETEI中Kd INA／TPI［TH］ TETPOC TdTE $\boldsymbol{T}$ сто ${ }^{x}$
anactacioc erpa t
verso
$H \lambda / d c m H[N d]$

1 feic oymacytpirs dqei ETOO TN ZITOOTK NTOK IAKWB MHNA ZdTEKAIORPA申ON


1 feiccoyzonory
napithid ac．．．．
ind／NTOK EA…2d
THEKAIATPA申ON $Z^{\prime}$
5 Twopा NKATABo入H
HTYB／／B．NA／… dOANACIOC •••
$1 f \frac{x}{\pi} k \ldots$
1 cadk Eג入ん
t anania tctexe
t anok Bikteup
5 TCTEXEナ

1 feice oyzonorax api［emid］ ayEl ETOOT zITOOTK NT ok dayeid ma甘lac $\pi \pi \rho .$. zITEYTEPA KATABOA
5 тpeith ．．．．erpa ar
ANDNIAC TRATH + CTOIX

1 feicc oyzonory
naplamid ay
El GTOOT Z＇TOOTK
$\pi \lambda H I N E$ IEZE
5 KIHA Zaाtekalarp
aton zITEYTEPa Kd
TaBodh ntepo
MTE TPEICKa，$\Delta \in K \Delta T H$
「ノ／N a фation
10 indy id +
dNaNIAC TaTH $+\mathrm{C} \frac{x}{7}$

1 feicl oyzonokx napitmid ayEl ETOOT ZITOOTK NTOK TEKWMy H $\lambda \in I d C$ ZdTEKDIdrPa申ON ZITEYTEPD KATABA NYPOHTE 5 Tpelckaldekath ri／p a rí кß ind $1 \Delta$ t ananIac mamн †ctorif

1 feic oymacytpims agei ETOOT ZITOOTK NTOK BIKTwp camoyna ZaTEKAOARPa申on ZN 5 naHit indy a ri io f ekton ETEI中 iH INA／I creq c $\frac{x}{T}$十TaTNO DIOCKOPOC CTE
$x \in$
10
apictop／ erpayt


```
    2'TOOTK NTOK zaxd\rhoIAC i\omegaCH\phi zdrek
    AIarpapon zNNAHiNS INd/ I rI/NO HmICy
    +0w0 NA INAy IA + $I\lambdaO0\inOC O cT'\rho
5 + andpe\Deltac 集wXi
    + mETPOC CTHXH t
        tapIcTO&dNOYC ERPA
                            YG
```

1 feic oymacytpims dy EI ETOOTN ZITOOTK N TOK I＇WANNHC MOYCH

5 EKTON $\pi x$ K INA $1 d+$ COXOMON 5 tandpedc sic $\operatorname{taxe}^{\text {sic }}$ $\dagger \pi \in T P O C$ стнхє
＋גр／стоф／
Erpay

1 feic oymacyrpims ac．．．． NTOK imzanNHC Katwr ．．．．


```
            0cTp}c\frac{x}{T}+aNdpEdc...
```

            十TETPOC....
    十a［pıстоф］
verso
abpa．．．．

1 f $\in \mathbb{C}$ oytrauspiri．．．．
zITOOTK NTOK i $\epsilon$ ．．
MIdc zaTEKd／drpd［\＄ON］
ina／ 5 rI／$\dot{\sim}{ }^{5}$ EKTON + TAX
5 SIXOAE O CTP $\subset{ }^{r}$
fretpoc CTHXE
$f$ and peac $\frac{\text { sic }}{T} h x$ fapictoqdin
．．．

1 feic oymacytpI
M＇S acE1 ETOOTN 21
TOOTK NTOK גTTA
KYpE ENWX zaTEKXId
5 rPaфON ZNNAHMS INA／ 1
rI／N ${ }^{5}$ EKTON + MEi K K3 ind la
COXOMON O cTf́ $c$ X
ANDPEAC sich

10 TETPOC
CTHXH
Tapictoq
erparat

```
1 f E|C oyTpIMs dq\inI
    ETOOT \ITOOTK NTOK
    mlxaloc Ka\lambdaatrHCIOY 2d
    T<KAIdrpa\phiON 2N
5 n\HMi + !a INA/ II/R F
    TpITON+....
    |||!B.... o ct }\hat{\beta
        TETPOC CTHXI
        DNAPEAC
        CTHXI 十
        + apictOф/
            erpaye+
```

```
1 feic oytpims aqei ETOOTN
    ZITOOTK NTOK ONNOQPIOC
    ZaTtekAIATPAфON ZNNDHFO
```



```
5 ONNODPIOY O CTf \(c \frac{x}{r}\)
        Tandpeac sicate
            \(\times \pi \in T P O C\)
            стнхн \(X\)
            + هрістофаN
                Erpayt
    verso
    icak \(\underset{\sim}{\circ} \mathrm{F}\)
```

235

1 [f Eic] oy Tracy tpirs aqei [E]TOOT zITOOTK $\bar{N}$ TOK TIATNOYTE iak[ $\omega \alpha]$ zaTtKAIarpadon
$5 \mathrm{rI} / \dot{N}$ F GKTON $+\in \pi \in I \phi$
IT INAI!
TATNNO Y CTEXE
DIOCKOPOC CTEXE
tapictopanoy
$10 \quad$ Erpay

1 feic oytpim/ aqei etootn zitootk n
TOK TIAXaH TECNTE zATEKAIARPADON




X тerpoc стнX
fapictodanoy
...•

```
1 fe|c oytpims ....
    2ITOOTK NTOK #[ATEP]
    MOYOIOC ZdTEK....
    RI/N゙N FPITON + dma
5 cre\phi c{
    +\piA\piNOt
        AlOCKOPOC cT[E]
        x\in
    tap/cTOQ
        erpd
```

1 felc oytpirs dqE1 ETOOT \＆＇ TOOTK NTOK TIATEPMOYTE MTCMMON ZaHEKAI
arpapon ZNNAHris INd／Id II／N $r^{5}$ TPITON $+\Phi$ IA INdIB

cTHXE

$$
a n \Delta \rho \in a c \frac{\operatorname{sic}}{T} H
$$

$$
x_{H}
$$

+apictop/
erpdyt

1 feIc oytpims aqEI ETOOTN
ZITOOTK NTOK TETPOC CEYNP
OC RaTtekdiarpadon ind／！

5 c齐 Tramnoỳ ctext
Dlockopoc ctexe
＋apIctods

1 feic oytpimg dqEI ETOOT
乙ITOOTK NTOK COYAI
d BpozaM zaTEKA／OIK
2NNDHM／INA／，「I／$\dot{\sim}$ \＆TPITON
$\checkmark \cdots K 1 \Delta / 1 d$ dNacta o ctpf ci sic
$\Delta N \Delta \rho \in \Delta C T H X H+$
TETPOC CTHXE
t apictoф／
erpdyd

1 feic oytpims agei etoot zITOOTK NTOK YATE zdTEEKAIdTPA申ON ZNN
 ONNOXPIOY O cTp c 立 †THETPOC CTH ${ }^{\text {XE }}$ TdNAPEAC CTH fapicTOф
erpay
I f}\mathrm{ EIC oymacy TpIm
I f}\mathrm{ EIC oymacy TpIm
dqEI ETOOTN zITOOTK N
dqEI ETOOTN zITOOTK N
TOK z\lambda\lambdaO UGENOYTE Z\TTEK
TOK z\lambda\lambdaO UGENOYTE Z\TTEK
AIdrpa\phiON ZNNDHM
AIdrpa\phiON ZNNDHM


\phi,\lambdaO0
\phi,\lambdaO0
dNDPEAC
dNDPEAC
TETPOC CTHXH +
TETPOC CTHXH +
t वрICTOфdN
t वрICTOфdN
\epsilonrpdy<
\epsilonrpdy<
1 felc oyzono
K NapIOHIA
dqEI GTOOT Z'TOO
TK NTOK HAIdC $d$
5 ndpeac zameKגIarpd
фоN こITTPü Katabodh
NTEPOMTE EKTH II d ${ }^{*}$ a
aӨYp KE INA/F f RIKTWP
$\pi \Delta \pi н$ †CTOIX

## 246

$1 f \in \mathbb{C}$ oyzonory Napitmid aceit TOOTN zíTOOTK NTOK KYpIAdOC CO
5 גOMON zaTEKAId
 KataBodm NTIPOM TE OKTOHC INA ${ }^{\circ}$ TAYNI K INAJ $\theta$ 10 GikTOP TIATE cToIX $x$

1 feIC OYZOAOK MNOYTPIMS NAPIAMId dKTAdY NTOK KWNCTAN TINOC zdTEKAIdTPAфON 5 之＇TMEZCNTE KATABOAH MTIENTHKA， MEKdTH H $^{\prime}$ Tлх心N ！ TATH CTOIX

1 feice oyzonorx NAPIOMIA AGEI ETOOT ZITOOTK NTOK TETPOC YHC ZATEKAIA 5 rрафоN 21 тाрш кגтג ${ }^{\lambda}$ NTE POMTE TPEIC ［KגI］ 1 EKdTh ri／pa $\underset{H}{x}$ ．


```
1 f &्y agpadm....
    k \piр\omega\boldsymbol{\omega}}\mathrm{ Katabodh . INdy....
    xpyconomicmata . . 中a INd/
    TPEITHCX + dNOK BIKTEW
5 twmac tctexe+
    TdNOK aNANIdC tcTEXE +
```

$$
\begin{aligned}
& 1 \text { f } 4 \text { meyc afanacy } \\
& x \pi \rho \bar{\omega} \text { Katakode } \\
& \text { INd/ } \Delta \in y T \in P a \quad x p y \\
& \text { N a erp/Hit ie indy teyte[pd] } \\
& 5 \text { f aNok ananiac fcto... } \\
& \text { Q.l< twp twmac fcrol.. } \\
& \text { OwMac TधGmHpe alczal } \\
& \text { edpog }
\end{aligned}
$$

```
            1 f.*) TETPOC atanac,....
                        KatabO\lambdaH INAy dEyTE[PA]
                        ~ a ERP/ H $ K INA/TPITH X + aNOK
                        Bikrwp 0wmac
                5 TCTEXE+
                            t ANOK NANIDC fCTEXEI
```


## 251

$1 f$ A $\pi \in C N$
TATNOY yTEP $\lambda \in y T \in \rho d C$
KaTaRodn INA，$\lambda \in y$ TEP
xpycoy $N$ a ETP／H $x$ KA INA／
5 TPEITH + BIKTWP 甘WHAC +
ctext \＃wMac Teguynpe
dIča／2apoy f ANANIdC
cTEXE GIKTWP
TEycon aiczal

2dpog

252

1
YAN $X$ TPM Ka
TOGODH INA／
$\Delta \in y T \in \rho d$ xpyco－
5 NOMICMdTa．
「I／Pa虫 $\theta$ ind TPEITH 7 taNOK ANANIAC
tctext t anok B．IK
twptwmac cte
$10 \quad x \in$

1 feic oyzonok ${ }_{x}^{\top}$ Napitmid agei $E$ TOOT 2lTOOTK NTOK teodmpoc imannhe
5 zaाt Kataßodn NTPOMTE TECCDPECK $\triangle \in K A T H$ TII two KR．INA／IE
rewprioc mamh croix

1 feic oyzonok Napitmid agel ETOOT zITOOTK NTOK TATEP moyte mayiol zatrek
5 alarpaфon zirmpé Katabodn ntpomite Tetapre rifpa 華 ke indje f $\Delta a y \in I T$ TamH $\dagger \subset T$

1 felc oyzonok＇napitmid
ayEl GTOOT ZITOOTK NTOK
中Ido甘EIOC coypoyc रaTtek
IIATPAфON zITTPW KATA
5 Bodh NTEIPOMTE ordoh ri／pNa M
TYBI H INA／H＋ ddyeld TaTH tctoix

256
1 felc oyzonok
Naplamid acel ETOOT 2ITOOTK NTOK TICATE中I $\lambda 0 \theta \in O C$ 2dTEKdId 5 rpaqon zitmp ${ }^{\bar{\omega}}$ Kata $B^{\lambda}$ NTPOMTE TEMTTH TI／N a －iR indj 3 Z dimhtpioc $\cdots \pi H+c T o!x$

1 feic oyzohory
Napiemia dyel $\in$
TOOT Z＇TOOTK NTOK
EAD $\omega$ COYal ZaTEK
5 AIarpadon z＇Tサアw
KataBodn NTEIPOM
TE EBAOMH TI／pa
TYGi $\theta$ indy 3 ENWX TATH f $\dagger$ стоIX

1 feiccoymaut Nzodokg
minoytpimp Napitmia dcel $\in$
TOOT ZITOOTK NTOK KWNCTAN
TINOC $\theta \in \omega d o p o C$ zatrekdarpaqō
5 zITEYTEPA KATABOAH NTEI
pomme ekth rlf $\bar{p}$（ rrayne is
iNA／F ЄTIQ
1 feic oyzo
dok Napitmid
ḑG1 ETOOT 21
TOOTK NTOK
5 zaxapidc
2dTEKA／dRPdфON
2ITTP山゙ KataßodH
NTE POHTLE EBDOMH
rI／$\rho$ a TYBI h indj 3
10 ETEXANEIOC TRATE
tctoix

1 feic cnay NTpims
NopIGMld $\alpha y \in I$ GTOOT
zITOOTK NTOK COYAI
Zaxdp／dc ZdTEKd／d
5 rpaфON zITEYTEPa Kd
Takodh NTEIPOMTE
Tpeickaldekath rI／P $y$
中dpH KH INA／IT
ETIXANEIOC TIATH
10
cTOIX
．．．．
1 ZITOTKN
TOK TIdAM
IWCH中 रaTEK
AIdTPA申ON zITE
5 трш KdTaßodн NTEI pomme ral tind，ap／

tcToixe $\mathcal{H} \in$ FP H tw $1 d$ NND／$\because+$
$1 f \in I C$ oyzohok
NapIOMIA agEI ETO OT ZITOOTK NTOK TamNOYQ 100 Mmei［ $\lambda \in]$
5 zdTEKdIdrpaфon $2^{\prime T}$ Tр $\bar{\omega}$ KataBodh nfpor TE TENTHKAI $\Delta \in K d T H C$ TI／P a ETEI中 Id INA／IE

十 H $\lambda / d \subset$ TamH $c \frac{x}{\gamma}$

1 fec oyzonok napitmid dqei ETWT ziTWTK NTOK TIALAM Katep zattekd／akpdqon $\Delta \epsilon y \Delta \epsilon \rho \in$ KdTaBodн тpor
5 TE TETdpTE ERP H фMOKd
n $\lambda / d c$ mamh $T \in \in X \in 1 /$

1 feice oyzonoky
MNCNAY NTPIMS NdPIAMId
ateTNTAAY NTWTN ANANIAC
MNCAMOYHA ZANETND／A 5 FPdфON ZITMEZCNTE Kd

TABOAH NM Taxwn IA Idy． $\theta \in \omega \Delta \omega р о с$ татн fстоノхе1

1 feicc oyzodoky
Napifmid agel $\epsilon$
TOOT ZITOOTK N
ToK HAIdC EIW
5 INHC 2dTEKAIdTP
d申ON 2＇$\Delta \in y$ TEPa

POMTE EKTH
rl／p a $4 \dot{x}$ t
$10 \cdots \forall \in y \Delta \omega$
POC TrdmH +
CTO：$x \in 1$
$1 f \in I C$ oyzodok ${ }_{x}^{\top}$
NdpitMId dgel $\epsilon$
TOOT २ITOOTK NTOK
中I DOQEOC $^{\prime}$ TECYNGIOC
5 रdTEKגIARPd申ON 之ITTPu゙
Kataßodh N十pomTt TEC
CdpaKd，$\Delta \in K d T H$ ГI／P a d日yp a
ind／ $1 \in+$ Өєшגшрос गатн
10
croix

266

1 feic oyzohoky Napit
MId AदEI ETOOT 2ITOOTK NTOK TIATNOYOIOC
colomwn zamekd／a
$s$ rPadon ziteytepa Kd TAQOAH NTPOMTHE EKTH TI／PA zK NA／ $3+t$ ＊eOAwpOC
10 TraTH 十стол．．

267
1 feic oyzodokx Na
pitmid AqEi ETOOT
2ITOOTK NTOK
TXHP Biктwр
5 zaTEKA／drpdфON
21Trрш KaTd NT
ро円тt $\Delta \in K ג T H$
rI／$P$ d twe IB INA／Id t Өewdopoc
10 TATH сTOIX

## －Tame

1 feicc oyzodokx Napi日HIA dyEl ETOOT 2ITOOTK NTOK ．．．
－•• 之גTERA／arpaqon
5 रITAEyTEPa KdTaGodн n†pomTE TETApT
r＇／$\rho$ a H $\phi$ dw申।
$k \Delta$ indi $\Delta$ $\theta \in O \Delta \omega \rho O C$
10 TamH †CT
$01 x$

271

1 f IWONNHC ND
－•oyTracy TP／
रdTДdTrdNн
NTIPOMTE EN
5 Nathe ri／p ${ }^{5}$ EK
TON $X$ Kd ind／
－im KOAtE cTorx
ImANNHCNAd
Zdp ${ }^{O C}$ d／cMNTG
$1 f \in I c$ oy
TPIMHCION
$\Delta y \in 1 \in T O O T N$ Tra
TNoyte HAlac didFi
s AloIry NTIPOHTE ENND
THC Гy ${ }^{\circ}$ r TPITON $\in \Pi$ I $\phi$
Kd ind／I MWYCHC cTOIX）IWANNHC N Adzapoc dicme
$10 \quad[\pi \in] \in N T+$

273

1 feic oymicye $N$
20入OMx dCEI ETO
OTN ZITOOTK TA
TNOYTE ФOIBAMWN
5 zATAloIKX NTIPOM
TE ENNATHC TI／N゚
－．．$\epsilon \pi / \phi \Delta$ INdj i
MapKOC TATIN CTOX
I WdNNHC NAdZd
10 POC d／cmNTEI
ENTAT/

```
1

> feIc oyzonoky NAPIAMId dYEI ETOO TN ZITOOTK NTOK TOPdKOTE
5 2dTEKYIdrpa\phiON
                ziт\prime\piреuTн Kataßo\lambda%
            NTIPOMTE OKTOHC
    \phiapmoy% z INdj t icuaN
NHC NAdZdPOC DICMN..
```275
TETPOC

пАпн сTOIX \(+1 \omega\)
aNNHC NAdZAPOC
d／CMNTG +

\section*{276}

1 feic oytpims
dqE1 ETOOTN 21
TOOTK NTOK CE NOYOIOC IWANNHC
5 2aTloIk NTIPOM
TE ENNATHC
ЄTI中 N NA／\(\because\) cey
hpoc ctoix
I waNNHC NAa
10 Zdp \({ }^{\circ C}\)／CAN
T4
verso
MHND
TPdr

1 feic oytpirs
aqEi \(\in\) toot ．．．．
Taypine hidac ．．．．
diolky TIPOM
\(5 \pi \in\) ENNDTHL
TyN 2 Tpiton
\(\in \pi \in \phi \quad K r \operatorname{IN} \Delta_{j}^{\prime}\),
codomon ctol
IWANNHC N
10
idzapoc
erpay
verso
\(A N \Delta p \in A C\)
\(\pi \rho a r m\)

\section*{279}

1 feic oyzodorfx napio
MId dदel eTOOT zITOOTK
MTOK CTE GINOC KOAX
Oy日oc zatrekilarpodon
5 NTIP \(\bar{\omega}\) Katà \(N+p o\)
mTE \(\Delta \in K\) KTH rIlpa ＇i \(\in \pi \in \pi\) indj ïd
timannhe TamH＋CT／

1 feic oytruye nzodory Napitma ayEl ETOOT
 aQPADM zaTEZENIO
 TE TENTHKAIAEKdTH
 lcadk TaTH＋CTOI \({ }^{x}\)

1 f \(\boldsymbol{\prime}\)
ZaNNHC
TaTETCHC \(\in 4\) Cरal mirt WWMy \(\gamma \in \in\)
5 oyzoki acel troot \(2 a\) TERTEAKPAфON TMTMOPT NKataßodh Ñtepomme taj
mpwte NTtektianoc Xe
apfnteze \(\theta a \theta \overline{1 \theta}\) II／d
10 ImZANNHC crextly

1 Gic cnay N tpimy napitmia akTday Nal NTOK EA入川 2aTEKA／arpaфON zITEYTEPa
5 Katabodn erp／H́九 \(\check{T}\) INajIt
lcadk TATH
fctorxe

282
1 felc oyzodo \(4^{\top}\) Napitmid dK Tady NTOK CAMOYHA रaTEK
5 AIarpaфon zITME
zCNTE NKATAROAH MTENTEKAIAEKATH
Trayni 5 INAJ IE
IWCH中 TATTH＋CTOIX
```

    1 f EICCOYzO\lambdaOMT Napi0mIa agE! Etoor
        2'Tootk NTOK \phiolBammwN H\lambdaIdC
        Zd\pi\inKAlarpadon zITmpü KataEOdH
        N}+\rhoOMTE TECPAKAI\mp@subsup{d}{}{\epsilon}Kath rI/ Pa,
    5 me F k indy ̈̈ kwnctantinoc
        Trath croix
    ```

1 feic oymacytpims ayel ETOOT ZITOOTK NTOK GIK Twр Tatepmoy zamekal arpaфon ZNNAHO N
 \(i_{d i c}^{\text {sic }} 1 \lambda 1+\) mapko ctp cior Kyplaky erpa7

1 feic oytpims duti
ETOOT ZITOOTK NTOK
dorrinoc Tatihy zattek
AIARPA申ON ZNNAHMOC,
5 on \(X\) ENNATHC ind/ rI/P.
TPITON \(t\) Erpa \(r \rightarrow\) ?
.... maphc ctṕp ctiot Kyplake erpaf

1 feiccoy
THME Nzodo
K NApIAMIA
acel eTOOT z'TO
5 OTK NTOK .... ANA NIdC zaTtekdidrpaton
2ITEYTEPd KaTaßodH N十pomTt
 [ma] \(\theta \in a c\) талн
10
1....tpin aceigtoot 21
\(\cdots k\).... \(\theta\) odwpoy \(\in \lambda \lambda \omega t o c\)
... .
... \(\theta\) ld ind/ id qido o ct \({ }^{r} \mathrm{ct}\)
5 Kyplday erpas

1 feics oyzo
Iok Napio
MId dGEI ETOOT
2ITOOTK NTTOK
5 YdN AdNIHA zdTEK
dIarpadon zITIIPcutn
Kataßodh NTEIPOMTTE
TETApth ri／pa rí TyBl kQ
ind）A matoidc mamn fctorx

1 feic oyzodoky Napromid aqei ETOOT＇ 2 ＇TOOTK NTOK aGpadM ICADK zaTAdTranH NTEIPOM \(\pi \in\) тemith ri／No a Mí фap r
5 INd \(\in+\) ceynpoc татн fсr dAandCE MTATNO
Y \(\boldsymbol{y}\) cteXe
MHNA Trdam
croix +

289
\(1 \quad f \in I C\) oyzodory
Napitmad \(\Delta G \in 1\)
ETOOT ZITOOTK N
Tok aBpadm atanac，
5 OC 2هTEKd／arpaqon zit
\(\pi \rho \bar{\omega}\) Katalodh nfPomme

十TECENAIOC TRATHA +
ctoix
10 fMHNA TADHCTof
atandC
－••

292
1 felc oytpirs Na［pi甘m／d］ agel ETOOT 2ITOOTK］．．．．
rewprioc icadk
2dTEKMEPOC \(\bar{N} そ \in N I O N\)
5 HNNKEETICTAXMA
［2，TEI］POMTE ENATH
ri／\(\stackrel{\circ}{\circ}\) TpITON ．．．KINA \(\theta\) MHNd TradM
cTOAX
10 ［det］NAC1OC

291
1 feic cnay ntpins Napitmid agel ETOOT 2ITOOTK NTOK dBPdAM KWNCTANTINOC MNNCYANORPIN
5 INA／A rI／N y \＃゙ 3 ind a TICATE TATTH fCTOIX

MHNA TradM cToll
Tdeandcioc TaTrNoy日l
\[
+c \operatorname{Tol} x \in 1+
\]

1 feic oytpins
Napitmid aqEl ETOOT
2ITOOTK NTOK EAAOTOC HAKPE ZATEKAIOIKHCIC
5 MNNCYADorpIN zateytep
d Katabodn Ntporme
reTpr ry í í \(x\) keinay．
Elcak mamh foroix
MHNa TdaM
croixs ama Odnac／oc Tam noye cto［d］
\(x \in\)
\[
1
\]
feic oyzonorfer \(N a p i \theta m i d\) agel \(\in\) TOOT ZITOOTK NTOK ITNAAIOC MateIdc zatrekd／arpaton 2ITサрw кdTaßodн NTpom
5 TE TETAP TI／N゚ a Y Y K ind／\(\in\)中Ey Tra\＃н fCTOIX d甘andce MTITTNoy日 cret HHND TIAMM CToí +
\[
296
\]
\(f \in I c\) oy
oytpims
ivapiomid
agEI ETOOT zITOO
5
5 TK NTOK KAMOYA HEYC रdTAIOIK HCIC MNNCYA入orpIN
\[
\text { IND/ a riN\& } \underset{\text { H H ind/. }}{ }
\] ＋AIMHTPIOC TRTN
10 MHNA TradM cToX +

NapIAMId agEI GTOOT
ZITOOTK NTOK MNNA TTETP
OC ZdTEKMEPOC NKENIO
5 N MNNIKEETIGTADMD
乙JTEPOMTE TEMTTH

\(+\pi x \in \rho\) dtanacioc tctoixels

1 feicoy zonoky Napit MId dGEI ETOOT 2ITOOTK NTOK
5 IWCH中 aHMWNEIOC zaTEKג／arpadon NT трш KdTaBodh NTPOM TE TETApTH Aw甘 Ia indy 7 f cwkpe
10 TITHH CTEXE
dOANACIOC
HCTEXE
MHNA TIAdM
cToIxy
tatanacioc Tratrnoye
\[
1 \text { CTEXH }
\]

298
1 feic oytpims

5 NTPOMTE TETAP rI／\＆d F 13 indy
＋COAOMON TATH †cTOIXEI
MHNa MaAM ctoĺ +
atandce MTATTNOYTE fcrext
1 feic oyzonok Napie
MId dGEI ETOOT ZITOOTKN
TOK MdpKOC dNApEdC zaTEK

        MId dGEI ETOOT ....
        MHNX TETPOC 2d....
        droiky y \(a\) ind/ \(7 \cdots\)
\(5+\operatorname{tcoi}^{x}+d \theta \ldots\).
        MHND Trd....

1
\[
\begin{aligned}
& \text { felc oy } \\
& \text { 2OAOKX } \\
& \text { Naplomila } \\
& \text { ay } \in 1 \text { ETOOT }
\end{aligned}
\]

521 TOOTK NTOK
TeTpoc deanacioc
zaTTAdTANH NTEI

A \(\lambda\) inaj \(\in+C \in N O Y O I O C\)
\(\pi a \pi n+c r o i x_{+}\)
atanace \(\bar{H}\) Ta
mnoye ctex
MHND TIA
amctolX)

301
1 feic oyzonok
Napitmid dgel ETOOT
agel ETOOT 2'TOOTK
ntok Camoyha zaxapidc
5 zatadmanh nteiporme

INAI G CODOMON TATH
cTOIXE
dedNace TaTN
10 oye ctexe
MHND TIAM
ctorl?

1

> feic CNayn
> Tpimg Napitmid
dy \(\in 1 \in\) TOOT 2 TTOOTK
NTOK CTEXDNOC
5 MHND ZDTEKDIOIKHCIC
MNNCydAorpin ziteytepa Katabodh ntporte \(T \in T \rho^{T}\)
 matrn + ctorx \(X\)
10 mhna madm ctox

> dAdNACIOC MATNOYO1
\[
\operatorname{cros} x
\]
\(1 \cdots \not \cdot \cdots\)
\[
\cdots \in I \in T O O T
\]
...OK фI \(\lambda \omega \theta \in O C\)

5 .... TEMTTH FI/N .... INd/E +CEYHPOC

HHNX TIAAM CTOIX dOANACE TITINOYO!

304
1 felc oyzodors
Napitmid agel ETOOT

ZTOOTK NTON \(\phi \in\)
oy THETPOC 乙aाEKA/d
5 rpadon zITTPむ KdTa \({ }^{\lambda}\) n†pomtte dekath ri/ \(P\) a towtk ind /a mhna madrt +
ctoly
verso
THOY
\#erpa

－felc oyzonokx
Napi日rida dqel ETOOT
zITOOTK NTOK CAM
оунג Traxwm zamek
5 Diarpaфon zirdeytepa
KdTaB．o入h NTPOM
\(\pi \in \in R \Delta O M H\) TI／\(\rho\) a H M IT INA／H

MWCHC
．．．．

312
1 felc oyzono
H NAPIAHId dGEI
ETOOT 2ITOOTK NTOK
DIMMTPIOC IAKん \(B\)
5 ZaTTEKAIdRPAфON ZIT трш Katà NTPOM \(\pi \in \Delta \in K d T H\) ri \(p\) a ETEIQ IT INA／Id TITTNOYOIOC
10 TratrHfcTOIX

1 f eic oytpiar
Napitmid dqEI \(\in\) TOOT ZITOOTK N TOK Tratepmoy
5 dapddr zdTEKDId
rрaфon 2＇ттрë
Kataßodн NYPOM \(\pi \epsilon \pi \rho \stackrel{\rightharpoonup}{\omega}\) rı \(\rho r^{\prime}\) erp A id idy трús
10 ג！MHTP！OC TATH т！сран \(\boldsymbol{\pi}\) тын
－••

315
1 feic oyzonokx
Napiomid acel etout zITOOTK NTOK CANATA
TH HA／AC ZdTEKAIARPa申on

TECEPECKA，\(\Delta \in K A T H\) ETPD／
\(\frac{x}{\pi} \beta\) INA／／A TICPANA


313
1 ．．．．dyE1 ETOOTN
．．．．icak 中oibamwn
．．．A／drpaфon 2NGN
．．．．MOCION TPICKAITEKA
\(5 . . . \in T T \in \phi\) Kג TICpdHA ．．．．
．．．．AIOC ctexel／

316
1 feic oyzonoki Napitmion acel
ETOT 2＇TOTK Y HW ज̈Trazam
 Talodn N̄†омтt тритн
5
rI／a \(\stackrel{\theta}{p}\) a Erf Mixip 15 ind a \(f\) HaNOK TIATEPMOYTE Tame fc［rolx］

1 feic sicnay NTPI
M＇s ayti etoot 21
Tootk aBpadm
dAanacioc zatal
5 oIKHCIC NTIPOMTE
ENNDTHC TI／d y
\(\pi \in T \rho O C\) с \(\in\) унрос
ctorx
verso
\(\alpha \beta \stackrel{\rightharpoonup}{p} d \theta\)
\(\stackrel{\circ}{i} y\)

\section*{318}

1 feic oymнcyt Ñapitria
dGEl ETOOT Z＇TOOTK NTOK KEwpKE N̈̈CaK \(2 d \pi \in K\) \(\operatorname{Ala}\) KPaфon \(2 \in \lambda \in y \lambda \in \rho a\)
5 Kataßodh \(\bar{N} T\) Pomite tetapte erpa H
\([\theta \omega] \theta \overline{K Z} \pi \in T \rho O C \pi a\) \(\pi н\) tectelxel

319
1
\(1 \quad f \in \mathbb{C}\) coy Tracy
\(\in\) Nzodora \(^{\top}\)
Naplomid dk
5 Tadc NTOK \(\Delta d\) EIA zaTERAIARPa
\＄ON ZITMEZCNT
\(\epsilon\) Katda nfpomtte tpeic
Kaidekath \(\boldsymbol{H}\) 中a
n indjir tetpoc matnn
＋ctolx

1 feicc oyzonokx Napit
MId agel eroot zltootk
NTOK ICAK CENOYOI
OC zaTrekd／arpaфon
5 zIT川p \(\boldsymbol{\omega}\) Kata［Godn N］
＋pomme Tpei．．
ri／p a \(\in \pi \in 1 中 5\)
ind／\(\Delta\)
metpoc mate
\(+c T\)
\[
321
\]

1 feic cnay
tpims napit
agel \(\in\) TOOT 21
TOOTK NTOK
5 中Itot＜oc card
zaTtekA／arpa申on
2＇TEYTEPa Kataßod
NTEIPOMTE \＃ршTH
rilpy f iH INA／d
10 TETPOC TIATH
．．．．

1 ferc oy ．．．
NapiOmra ac［ \(\epsilon\) I \(\epsilon\) TOOT］
2TTOOTK NTOK ．．．．
\(\pi \Delta I d K\) 2dTEKAIARPAфON
5 2गTmpü Kataßodh NTP
OMTE TETAPTH rI P a
\({ }_{H}^{x}\) KH INd／TETdPT
TETPOC TIATH cTolx

1
Bacineloy agaite mmol... .
ntreientarion
\(1 f\) EIC oyzonok Napitmia dqei ETOOT z'TOOTK Coydi Ndpdicam +


5 aNOK TAXWM TATE CTOIX -•••

1 cद zaxajp KypIaky xopicth dIoIKHCIC
d\} ESP/ H mexip id ind/ \(\Delta\) + Komec tctexel
\(\pi x \in p\) d \(\begin{aligned} & \text { andacioc croixel }+ \\ & +\end{aligned}\)
325 327

1 f imanNac Yan
\(x\) XIOIKHCEWC NNA, \(G\) ri/ N
фdक्ज KA ind TPITH
5 KOMEC CTEXE \(\pi x \in P\) dAdNaCIOY ctolx \(\in 1\)

326

1 feic oyzodokr
NApIAMId dGEI
ETOOT ZITOOTK NTOK
dNANIAC MA日IAC सdTEK
5 Aldrpaфon \(2^{\prime T \pi p \omega} \mathrm{Kd}\)
rabodh NfPomme
\(\Delta \omega \Delta \in K a T H\) ГI/Pa \(\in T \in \mathbb{Q}\) I \(\epsilon\) iny IT codamon matrh tctoix

1 fTetpoc deanacioc
+ ாрос....
中aH IA INA/ TPITH
KOMEC +cteIxEI
5 Trxep dGanacioy tctolxel

1 feic oy
Tacye Nzo入o
4 MNOYTPIMS
Napitrrid aytit
5 TOOT 2 TOOTK N
TOK rewprioc abp
daM 2dTEKd／arpad／
\[
\begin{aligned}
& \text { 2ITEYTEPd KaTa } N+p o \\
& \text { MTE EBXOMH rI/P }
\end{aligned}
\]

10 ．．．d indy h COXOMON

1 feic cnay ntpims
Napitmid dyEI ETOO
TN NTOK Add Md日ldC
2a\＃EK \(\Delta / a r \rho a \phi O N 2 \prime\)
5 TEYTEPa KdTaBodn
NTIPOMTIE OKTOHC
INAj MI 5 INAj \(\theta\)
cOAOMON TTATH croix＋

1 feic oyzonoky
Napitmid ayti ETOOT こITOOTK NTOK
\＄INOGIOC IWCH

mpwth Kataßodh NH
pomite tetaptn erpa
灷 \(\quad\) indy \(\underset{\sim}{f} f\)
COXOMON TIATH
10 tctoix

1 feic oyzonokT Nopiomid da
EI GTOOT 2 TOOTK NTOK
－•paEIA cteqandc zat IdTranh N TEI POMTE TEMTTH rI \(\dot{N}\) a
\(5 \quad \vec{M} \in \operatorname{INA} \in f\) CENOYONOCTITHH TATNOY
\(f\)
－ToIx

1 \(f \in \mathbb{C}\) oy
20入ok＇Napi
Өrid dyel
ETOOT 2＇TOOTK
5 NTOK AANIHA TIA
TNOYधIOC ZdTEKAIdrp
aфon z＇TTP灾 NataBoin
NTEIPOMTE \(\lambda \in K a t h\)
ri／pN a \(\frac{x}{\boldsymbol{N}} / \in \operatorname{ind} / \mathrm{I}\)
10
\(1 \quad f \in I C\) oy zonoky Napio
MId açI ETOOT
21TOOTK CTEXANOC
5 MWyCHC zdTEKAIarpdфON 2＇TTPW катd NTPOMTE TeTdpth ri／pa 并 H indy \(\epsilon\)十фi入о母єOC татн ctolx

1
feic oymt
ye nzodory Mn
oytpirs napio
MId aqEl ETOOT zITOOTK
5 фorkammen itzeriha
zattekdiarpaqon ziteytpa
katabodн †ромтt \(ו \epsilon\)
中I \(\lambda\) O甘EOC TIATH †CT
```

1 feIc oytpimhcion agel erot zitotk
Danihत mandch edTEKAhmocion
zATME בNNTE NKATdBOAH NH

```

```

5 indj a fanok $\lambda \Delta \lambda \in y$ Tame fСto,
ETEIENTAF/ ANOK YAN AGAI
TEI MMOI dICHNTEIENTAT/

```

1 feic cnay NTpIMS dyei ETOT ZITOTK KWNCTONTINOC ＋．．．．zïdeytepa אataßodн nt pomme \(\Delta \in y T \in p d r i / a p^{*} y \in \Gamma p / H \pi \cdots\)
5 INA／B＋aNOK COYal Tratte fcTol̉
十ANOK YAN dGdITEI MMOI
d／CMNTG＋

1 feiccoyzonory napit［mia］
A̧El ETOT ZITOTK NTOK
\＃anace zattekalarpaфon ．．．．
KataGodh NTpomte mpwth

lwcH中 TaTrH †ctorxg \(\in \pi \in 1\) ENT／
Yan gacideloy agaite
mMOI dICHN TEIENTAF／

\section*{338}
\[
\begin{aligned}
& 1 \text { feic oyzonokx napitmí }
\end{aligned}
\]
aBpaam z＇tmpü Katagodh
NTPOMTE \(\Delta \in y T \in \rho a r I / d \stackrel{\rightharpoonup}{\rho}\) a \(\in r \stackrel{\rho}{\rho} /\)
万 H TYRI KH INA／？\(f\) ANOK
\(\pi \in T\) POc \(\pi a \pi \epsilon+c T o \hat{X}^{x} \in \pi \in I \in N T a \Gamma^{\circ}\)
tanok Yan bacideloy
aydItel MMOi a／CMA
\(\pi \in I \in N T A F^{\circ} \%\)
10
\(f\)

1 feGc oyzonoky Naplams aqEl \(\in\) TOT
zITOTK zגdo musatag zNTAEYTEPd

M Taxemn 15 INd／\(\beta\) t anok mayde
5
TaTt †cToIXE！ETEIENTAT／
+ anok Yan gacineloy dyaitel
MMOI a／CMN TEIEN
Tarion +

1 felc oy O \(\lambda 0 x_{x}^{T}\) napitnia agel \(\in\) TOOT
zITOOTK NTOK aBPAdM GANAC／A ZATTEK
AIARPAфON zITTPZ KATABOAN NTEIPOMTE
tpeith rifp a Ḿ 号 le indy teTap Tixwn．．
Yate TIIcpard agaltel MMOI d／cmn．．． ENTAT／

1 feic oyzonoky napit
MId ayEl \(\in\) TOOTK z'TOOTK nTok atanacioc zaxdpiac zartekaldrpagon zirmpú
5 Katabodh NTEI porme
 fтicpaнд Tатн fстоוх

Yate TIcpand agaitel MMOI aICMN
10 TEIENTAT/

343
1 feic oyrohorx napla MId acel efoot zrTOOTK \(\bar{N}\) Tok Bl/<top camoynd 2aाँK \(\Delta / a r \rho d \phi O N ~ z^{\prime T} \pi \rho \bar{\omega}\)

ril p a indy. Cenoytioc
 dGdITE MMOI AICTN TEIENTAT/

\section*{345}

1 feice oyzonokf napit MId d \(\mathcal{H} \in 1\) GTOOT zlTOOTK \(N\) TOK KaBpird MEYC zatrek AIARPAфON 2ITTP \(\bar{\omega}\) KATA \({ }^{\lambda}\)

\section*{5 ntpomte tpith ri/p d} фарн , indy Tpith + rwannic Taтн стоIXEI Ч वтe Ticpand agaITE MMOI dICMNTEI ENTAF/

1 feiccoyzonokx
NapIOMIA agel ETOO
\(T\) zITOOtK NTOK
andpeac iwannhe za

KaTaRodH NTEIPOMTE
TENTHKaIdEKdTH rI/Pa
Y KH IND/ \(\in+\) ICIdwpoc
TаMH +ctorg + wate mic
10 paridi agartel mmor dil
CMNTEIENTAT/

344
1 feic oyzodok Napit MId ayEl \(\in\) TOOT ZITOOTK NTOK Gacintioc mp! za \(\pi \in K \lambda I a r p a \phi o n\) zITTPÚ
5 Katabodh NTEI pomme
EKTH TI/parixal \(1 \Delta /\)
5 хрістофорос та
\(\pi \pi_{\text {f }}\) froix \(Y\) dTE
Ticpard dgaite
10 MMOI a/cMN \(\pi \in I \in T A K /\)
        feic oyzonoky Napit
        MId \(\operatorname{AGE1} \in\) TOOT 2170OTK N
    Tok rewprioc abpadm dnoyy a
    NaNANIdC zaTrekAIARPd申ON zIdEyTEpA
5 Katabodn ntporme mpd ri/p a
            \(\pi \in\) INA a Cohomon \(\pi\) TNH +
            ctố Yate Tricpand acaite mrol
                aICMN TEI ENTAF/

1
\[
\begin{gathered}
\text { fEICCNAYN } \\
\text { TPIMSNAPIA } \\
\text { MIA AGEI ETOOT Z' } \\
\text { TOOTK NTOK EAXW }
\end{gathered}
\]
\(v\)

1 f hilac qidote
\[
\text { oc } X \text { mp }{ }^{\boldsymbol{\omega}} \operatorname{rata}^{\lambda}
\]

1 feic oymauy [w] zodory mnoy[Tpims] napitmid aqel \(\in\) TOOT ZITOOTK NTOK 5 EגAc abpadM .... alarpadon ziteytep a kataßоудн \(\overline{\mathrm{N} T} \mathrm{E}\) роM \(\pi \epsilon \pi \in\) пाTH ri/ \(\bar{p}(r\) \(\overline{\text { r }}\) qamencut ia ind....
10 \(K\) Gnwx Tatre ctorx
Yate Ticpana ay
alte Mmol al
chntelentar/
\[
\text { indy } 3 \text { xpyco ap } \dot{N} \text { a rí a }[\theta y p]
\]
\[
\text { INd/ } H+\lambda \pi a K y p / d K H
\]
\[
5+c \operatorname{tol} \text { ч ate TIcpard }
\]
erpdye

1 feic oyzodorx Napitnid aqEI ETOOT ZITOOTK NTOK ENWX \(\triangle\) INNHA \(Z^{\prime T G I}\) 5 POMTTE EKTHC zamaiarpadon N zatdartanh i̊ фар \(15 \operatorname{NiNA} 3+\) \(+\pi / с р а н \lambda\) Ta cthXh Yate micpa ha aictinteien Tar/
```

1f til oy
zo\lambdaory MN
oyTpims
napitmid ay
5 Gl \epsilonTOOT {lTOOTK
NTOK HMA! AANIHA
MNTECYNOIOC
TEK以HPE ZATETN
\Iarpaфon ....
10 Kataßo\lambdah NHPOMtre
TEMTTH rl p aF
... \psidTE TricporA
....

```
        feic oyzonory
        Napitmid dqel
        ETOOT ZITUOTK N
        Tok ITNAAIOC ICAK
5 zamekdiarpadon ntipu Kad
    ntporme Tpū rI/pa atyp 3
    iNA/ B Codomon TanH +ctorx
    Yare Ticpari agaltei mmor
    alchn TEIENTAF/

353
1

5 2atrekaldrpaqon z＇тாрй KataBodн NTPOMTE TE
ri／N व A Id ind／\＆
TIсранд mamн fcroix
10 Yate Ticpard agdite MMoir
dICMN TEIENTAT／

1 f eic oy zodory Nap
10MAd agelE
Toot zitootk
5 NTOK IWIANNNC
xpICTOфорос
zaTHEKd／drPAфON
z＇TEYTEPd KaTaßodh
NTIPOMTE \＃рй ri／pa
10 Trax．． 1 indj \(Q\)
фєy тати †сто⿱丷天＋чate
TICPaHA dqaIte Mmol
dICMN TEI ENTAT／
```

1 feiccoy mawe
N zodOK
tpims Napi0mla
ayEl GTOOT z'to
5 OTK NTOK ICAK
camoynd zamek
AIarpa\phion z'tey
Tepa KataBo\lambdan ntel
pOHTE EKTH rI/P\M
10 TrayNI t ind/
0eodwpoc marrh +ctoIx
Yate micpari dyal
TE| MMOI d/CMN

```

1
feicoyeonory
Naplomid ayel troot zITOOTK NTOK KYPIAKOC N iewntioc zattekdiarpadon
5 zITTP出 Katabodn ntporme \(\pi \rho \dot{\omega}\) ry \(\rho\) a qapmoyel Ka ind a I WanNHC Trame fctolx Yate TIcpari ayarte Mmol d／cmN \(\pi \in I \in N T A T /\)
1 feic oyzonokx
    Napi日mid agel eTOOT
    zITOOTK NTOK KOcMd
    TETPOC ZaTtekAIARPadon
5 2ITTP灾 Katabodh ntpom

        + нतeldc TaTH +ctoixel
                        wate micpari ayditel mmol
                alcmNTEIENTAT/
            10 KOcma TETPOCTCT/

1 fatra kyp，
куpIakoc \(x\)
AloIKHCEWC INd．
rif i a owo a ind／ 3
5 Yhc mend Tatth +
CTOX
Yate TI；ран入
alcmN TEIENTAK／
```

I
feic oy
zonory
NapI0mla
aq\inI GTOOT 2!
5 \mp@code { T O O T K ~ N T O K }
MdQ/dC IEZEKI
H\lambda zamEKג/drpd\phiON
2|\Delta\epsilonyTE\rhod KdTd\lambda
NTE/POMTE TEMTTTH RI/P a
\epsilon\#\epsilonI\phi \cdots INA/ EKTH
...TamH+
CTOIX YаTETMсран\lambda
dGaITE MHOI dI
CMNTEIENTAT/
10

```
\(1 f\) EIC OY2OXOK NAPI ӨMIA \(d G \in 1\) ETOOT 2ITOOTK जिTOK MapKOC aNdNIdC zamekdiarpadon zirmp \(\boldsymbol{\omega}^{\boldsymbol{\omega}}\)
5 Katabodh nt'pomtte EBDOMH rI/N d A \(\underset{\sim}{x}\) ctax ind/H tCENOYO, TATH

十YdTE Ticpamd Erpdy

1 f EIC OYTPIMS N̈DPIAMID dyEI ETOOT 2ITOOTK NTOK HAPKOC YHC 2d TEKAIATPAфON \(21 T\) ITPWT KATA ßоגH NTEIPOMWE TETAPTH
5 erpa \(\dot{5}\) MExEIp \(\Delta\) INA/ \(\Delta\) Tadm Tamн fctoix ydTE Ticpd
MA aydité MMOI Al CMNTEIENTAT/

1 feicc oyronory \({ }^{\top}\)
NapItMId dGEI ETOO
2ITOOTK NTOK MH
Na .... ZdTEKAlorpa申on

роMтE TEMTTH r' \(P\) d
ETEH r MNA/ \(5+\) .... ama toy....
```

1 f EIC OY2O\lambdaOK
Napi0MId dG\inI ETOOT
2/rooTK NTOK TrEKwYy
\Delta\overline{\Delta\lambda}\mathrm{ zबTHEK\Idrp|фON z'TEYTEPd}
5 \mp@code { N a T a \lambda ~ N T P O M T T E ~ E N A E K A T H }
II/Pa MEC E MNA/1A + ONOQPIdC
Tamн fcroix
Yate TIICpdн\lambda dgaITI MMOI d/CMN
TEI ENTAT/

```
\[
\begin{aligned}
& 1 \text { feic oyzodokx } \\
& \text { napitma agel } \\
& \text { eroot zirootk } \\
& \text { NTOK TAHINEI N } \\
& 5 \text { cteqanoc zattek } \\
& \text { } \operatorname{AI} \text { arpadon zitगpī } \\
& \text { Katabodh wtpomite } \\
& \pi \in \Pi \pi T H K O I \in K A T H \\
& \text { ri p a } \theta \omega \theta \text { k inaja } \\
& 10 \text { н入Iac Tатн +сто⿱丷天 } \\
& \text { Yate TICpard } \\
& \text { agaite mMoi } \\
& \text { dICMN } T \in I \in N
\end{aligned}
\]

\section*{1 mamnoytioc}
－hirac X diolkn
\[
c \in \omega c, N \Delta j \cdot \circ<\gamma
\]
［Yate TIcpa］ndal
［CMNTEIGNTA］r］
\(1 \quad f \frac{x}{n}\)
matnoyoloc
Typoyc \(X\) droikn cEWC ind B xpyco
5 nomicmata dimoipon
rilp y a \(\pi\) d dioc fcroixel Yate micparat erpaye †ananiac †ctorxe
G．kTwp ntwmac fctext
10 OwMac Teqmepe al［c \(<1]\)
zapog
 ．．．．TOOTK NTOK
．．．．Tramnoytl zattek
．．．．on z＇tTrpü Kataßodh

．．．．TpIac Tamн fctoix
Wate Ticpard dqaitel
MMOI AICMNTEIENT／
\[
\nRightarrow \text { KB } \operatorname{nd} / 3+c t \in \phi
\]

1 feic oyzodory
v a ب̣oc Ta\#H tctorx
\[
\text { cenoyel } \overline{\pi p} \text { ctorx }
\]

Napiomid agel
ETOOT ZITOOTK NTO
\(\kappa \pi \in C y N \theta 1 O C \pi\)
万＊z zaTEKA／arpaфon zit


TETAPTH f cy \(\in\) NOYTE ctoixel yate тIcpard．．．．
10 MMwl diczaï
```

1 .... dy\in| ETOOT 2'T0
..k mecyndioc
za\pi\inNA/arpa\phion
.... Katapodh ntpomme
5 \pi\rhoä rI/p a \phiapmoy0, 0 INd/ }
+ cENOYQ/OC TOTHH +CT
YatE TICPAH\lambda agaItE MMOI
d/cMNTEIENTAT/ MHNA
ctorx
3 7 0
1 f $\pi$ ECyNOIAC Bapto
Aomaloc．．．．
ma Not pa．．．．
Ṅ $y$ ri／No a mxip $<$ indj 5
5 f Ttecate Tratte
ctoix ff 世据 Micpari
dicMNTEIENTAF／
$1 \cdots d_{\text {G }}$ ETOOT 2．TO
－．K TECYNAIOC
之dTEKA／arpadon

```

\section*{370}

1 feic oyzodokx \({ }^{\text {r }}\)
Napitmid ayEl ETOOT
ziTootk NTOK TECATE IWANNHC zITEIPOH
5 TE EKTHC
\(r\) ——
2ädararpaqon \(\stackrel{\circ}{\sim}\) 2atdamanh in

10 kodenye Tatrн
fcroix Yate tricp
aн入 a／chn
TEIENTAT／

\section*{373}

371
1 feic oyzohok
Napitma aqei \(\epsilon\)
TOOT ZITOOTK NTOK
TECYNAIOC 中Idote
5 OC zatrek itarpadon
z＇тן出 Katakodh N
TEIPOMTE TPITH TI \(P\) a
中a
cteqanoc Tatre＋ctol wate micpard agaite MMOI dICMN \(\pi \in C Y N\)

10
        MHOI d/CMN
            ceyn


\section*{TEIENTAT／} フィ

1

\[
f \in i c c o y
\]

Tracye nzodory mNOYTPIHS
Napitmid ayel \(G\) TOOT 2ITOOTK NTOK Tatepmoyte zamekdia rpaфon zITEyTEPd KdTaß NTPOMTE EBdOMH RI／P \(\mathcal{L}^{\prime}\)
TyBi indjh Terpoc mamh †ctoIn ЧатE micpand aqd। －• HMOI d／CMNTEI ENTAT／
```

I feic cNay NTPIMS NapIt
MId dyE| GTOOT ZITOOTK
NTOK TTETPOC ANANIDC
za\piEK\Delta/drpd\phiON 2'
v ratyTEPa KatabodHN
TEl pomme EBAOMH [r'/ N
y 肴 KE NNA/z ETEI\phidN
ElOC Tа\piH fcrolx
YdTE TICP\Deltaн\lambda
АदवITE MMOI
dICMN TEI
ENTDT/

```
                    375
\[
\begin{aligned}
& 1 \text { feic oyzohoki ndpitmia dgel ETOOT } \\
& \text { ZITOOTK NTOK TETPOC dGANACIOC } \\
& \text { 2dTEKdIdrpaфON zITmp山 KdTaB } \\
& \text { NTPOMTE TEMTTH II/ N a Y KA indjT } \\
& 5 \text { t TIcран入 Tramн стоर үate } \\
& \text { TICPdнA dGdITE MMOI dICMN } \\
& \pi \in I \in N T A T /
\end{aligned}
\]

1 feicc oyzohok napitmid
dGE1 ETOOT \(\Sigma^{\prime T}\) TOOTK NTOK
TXHP ataNac／oc ZdTEKA／d［rPa］
фON 2＇THP而 KataßodH N
5 TEI POMTE ENDEKd
ri／p a фapritind／a
Yate TaTrн 十
\(\operatorname{cTolx}\)

1 f conomon diygid \(x\) mpī Katabodn INA／z XPYCOÑ a \(\begin{array}{ll}x \\ H\end{array}<\operatorname{NNA} H\)
ज十 dra kypoc \(\pi\) drn ferolx

erpaye

1 f conomwn icadk
\[
\cdots \quad \text { xpyco }
\]

व合 a i 中，
тIc рaн入 Tatrн＋CTOIX
\(5 \quad\) чate micpard erpay

\section*{379}

1 feic oyzonokx napit MId ḑEl GTOOT ZITOOTK N TOK Camoynd BIRTwP 2atr EKdIarpaфON z＇rTिpi Kata \({ }^{\boldsymbol{\omega}}\) 5 nTPOMTE TEMTTH 「I／i d M
 croix（ Wate TIcpaнд dदdITEI MMOI dICMN TEIENTAT／

1 f eic oyzonoryx Napitmid dyEl E TOOT ZITOOTK NTOK canardmh hilac
5 2aTtKA／arpaфon zIT \(\pi \rho \boldsymbol{\omega}\) катаßодн \(N \neq P\) оलサе теMサTH ri／N a Y k ind \(5+\) \＃ecate Tratr tetoix
10 Yate micpand dyaite HMOI d／CMN TEI EN

Tar／

\section*{380}

5 zaTt K \(\dot{\omega}\) Katabodh NTEIPOMTIE TEMTTHKaIAEKdTH KI／pa中aM ！\(\epsilon\) ind！\(\in\)

\section*{\(\dagger\) codomwn \(\pi\) атн +}
ctoIx wate TIcpard
agaitel mMol dichn
\[
\pi \in!\in N T \Delta T /
\]
\(1 \quad f \in i c\) oy 20入0 K
NAPIOHIA dq
EI ETOOT ZITOOTK
5 CENGTWM \(z \in Q\) ．
EAdIOC ZdTrEKA।
aKpaфоN zITETP山
KATABOXH NTPOH
TE EQdomm ri／\(\stackrel{\circ}{\sim} a\)
\(10 \stackrel{X}{M}\) Id ind／H＋
Tісранл Tатн †стоו
Yate micpand erpdч／
```

                M... I fEIC OYzO\lambdaOKT NapIOMId dG\inIE
            CENOY....
        ON <ITTMP....
                                    TOOT ZITOOTK NTOK CEYHPOC
        H\lambdaIdC रITEIPOMTE OKTOHC
    TE| POMTE TE ....
    5 M 中d\omega申' KH INAy.
v 2a\pi\Delta/arpa\phiON N
|NDNNHC TratrH....
\PsidTE TICpdн\lambda
dदd/TE' MMOI
AICMN TE|
10
nTar/
r-
za\pi\Delta/arpa\phion N N

```

```

        YATE TICPAHA d/cmNTEIENTAI/
    l

```


1 f EIC OYZOAOKY NOPIEMIA dyE1 ETOOT \(21 T O O T K\) NTOK CEYHPOC TETPOC टdTEK ME［POC］ ndatranh \(21 T \pi \rho \omega\) 5 NナIPOMTE गEMTTHK IEKath ri／pa \(\frac{x}{\pi} K \operatorname{INdj}\) a十даршN Tатн fctoix Yate TIcpard acaitel MMOI dICMNTEIENTAT／
1 felc oyzonokx
Naplenld agel ETOOT
zITOOTK NTOK coypoye za TEKD／arpoqoN zNNAHMXid
5 TEMTTH rI／pa H фapmoyte
INA \(\leqslant\) ce \(\lambda \times\) Ø．\(\pi a \pi \mu+c T o l x\)
YגTE TICPAHA dgdite MMOI d／CHN TEIENTAT／

1 feic oyzo
dok Napitmia
dGE1 ETOOTK ZITOOTK NTOK COYAI zax．
5 pIac zamekaiarpa
фоN z＇TAEyTEpa
Katagodh ntepor
THE TETAPTH rI／p a \(\in \Gamma P\)
Trapmoy犬i K INA／\(\lambda\) 10 \(\cdots \pi \operatorname{lam}^{\prime}\)＋Croix

Yate micpand dcal

1 \＄i גurwc
＋TA／O1KMC／C
xpyconomicm
dTa TPITON TINN Ó
\(s\) ETETH KE IND／\(z+\)
+ KNadioc TramH＋Cт
Yate Ticpamd
－••mNTEIENTar／
\(1 \quad f \in I c\) oytpif
Napitmid dGEI
ETOOT 2ITOOTK N TOK ANTWNEIOC TRATEP 5 MOYEIOC ZATEKAIOI

KHCIC MNNCYAXORPIN
21 TEYTEPd Katabodn ntpor
 \(\cdots+\) ．．．．tolx

1 f 中I 10 GGOC ANANIAC
\(x\) DIOIKHCIC INA TIIN（ \({ }^{\circ}\)
\＃KQ indj 3 t CENOYGIOC татн＋стоix
5 twenoyol mpec／
ctoix
YАTE TICPAн入
d／CMN TREIEN

1 f rewprioc
 фdp苦 INA／ TрITH十．．．．
5 KOMEC TENCTOI
\(x \in\)
\(\pi x \in p\) dtandcioc CTO：\(x \in 1\)

Tar／

391

1

5
HA zaTERA／arpaфon
21 тйорI NKdTaßодн
NTEIPOMTE TPEITH RI／\(\alpha \rho^{*}\) a H TyB1 15 indy TpeITH
10 TIcpand Tamн fстоixel ydTe TIcpamג agaitel mmol
dICMN THEI ENTAR／

1 f eic cnay ntpi
is ayel etoot
zITOOTK NTOK
וшснф BiкTwp
-••

396
1 ferc oy
THME Nzonory
mNoytpimp apit
Mid aqEl ETWT zITW
5 TK NTOK IWANNHC N
zaxapidc zattekdiarpa
фON zITEYTEPA Kata
BnAH NTEIPOMTE TPEIC .aldekath ryp...
10

1 ferc oyma
uye zodory MNOY
TPIMS Napit
MId akTady \(N\)
5 TOK KWNCTANTIN
OC रaTtKdiarpa
QON zITEMEZCNTE
NKataßodh Tayn,
... portre coyal
10 TamH †сто, \(x \in 1\)
\(1 \quad f \in \mathbb{C}\) oy
zonoky
Napiomid
a̧El ETOOT 2l \(^{\prime}\)
5 TOOTK NTOK mwychc abpadm zaTt
zITTP出 Katagodn NTEIPOMTTE GNNATH
\(10 \cdot \cdot \operatorname{INd} \boldsymbol{A}\)
. .

399
\(1 \quad f \in \mathbb{c}\) oy zonory
Napitmia
aqEI ETOOT 21TOO
5 TK NTOK TICPAHA
CTEDANOC 2ATTEK
didrpadon \(21 T \pi \rho \bar{\omega}\) [Kat]aBohn NTPOMTE
\[
\cdots r \operatorname{li} \sim \text { a indja }
\]
\[
\cdots
\]
\(1 \quad f \in I C\) oy zodok
Napitmid
aqEI ETOOT 2I
TOOTK NTOK
CAXAPIAC EAIC
aloc zattekdiar
-•••

PLATE I
Nko Mitic
F Nko ar ar
Huig par wa WNNHENWOX Wha
cT1<< U - Nze

Hovkcrakdial. no Thawhydra HivNulk EyBy


\[
\begin{aligned}
& \text { if win } x \text { 2ind } \\
& \text { of }
\end{aligned}
\] antwo

F2, Morbive N


PLATE II



138



137


137 verso


139 verso


PLATE V

231



253



250
50```


[^0]:    ${ }^{1}$ They are the property of the Egyptian government and were loaned to the Oriental Institute for study and publication. They have now been returned to Egypt.

[^1]:    ${ }^{1} \mathrm{KR} U$.
    ${ }^{2}$ Epiph.
    ${ }^{2}$ Many Jēme ostraca are published in CO, ST, Varia, and BKU.
    ${ }^{\bullet}$ Cf. CO, p. xvi. $\quad$ See Epiph. I, p. 102.

[^2]:    'See W. E. Crum's survey in Epiph. I, pp. 116 f.
    ${ }^{1}$ Cf. A. Steinwenter, "Zur Edition der koptischen Rechtsurkunden aus Djème," Orientalia, IV (1935), 377 ff.
    ${ }^{\text {• E. Seidl, Der Eid im römisch-äoyptischen Provinzialrecht (Münchener Beiträge sur Papyrusforschung, Heft 24), Part II, }}$ pp. 125 ff.
    'Cf. Seidl, op. cit., pp. 48-53 and 145.
    ${ }^{10}$ For the functions of the lashane see Steinwenter's fundamental discussion in Studien, pp. 38-60, and Crum's summary in Epiph. I, pp. 176-77.
    ${ }^{11}$ Studien, pp. 29 ff.

[^3]:    ${ }^{12}$ Cf. L. Stern, ZÄS, XVI (1878), 12.
    ${ }^{13}$ Some of our texts employ the two dating methods successively; thus in No. 60 a debt will be paid "in Paone of the sixth year," while the document itself is dated "Mechir 20, under Dios, lashane of Jeme."
    ${ }^{14}$ E.g., KRU, Nos. 8, 3; 40, 12; 43, 9; 52, 5.
    ${ }^{15}$ Byzantion, XV (1940-41), 272.
    ${ }^{15}$ Epiph. II, No. 168, n. 4, and No. 286; there Crum suggested that $2{ }^{8} e=1$ carat.
    ${ }^{17}$ A. Segrè, Circolazione monetaria e prezzi nel mondo antico (Roma, 1922), pp. 110 f.

[^4]:    ${ }^{10}$ U. Wilcken, Griechische Ostraka aus Aegypten und Nubien (Leipzig-Berlin, 1899), I, 741.
    ${ }^{10}$ Cf. F. Hultsch, Griechische und römische Metrologie (Berlin, 1882), pp. 414 and 628 f.
    ${ }^{20}$ Cf. Segrè, op. cut., pp. 150-51.
    ${ }^{2}$ See PLond V, p. 160.

[^5]:    m See Segrè, op. cit., pp. 106-7; G. Ostrogorsky, "Löhne und Preise in Byzanz," Byzantinische Zeitschrift, XXXII (1932), 293 f.; H. I. Bell in PLond V, p. 47, note and Addenda; G. Mickwitz in Aegyptus, XIII (1933), 88 ff.; Crum in Epiph. I, p. 146; A. C. Johnson and L. C. West, Byzantine Eyypt: Economic Studies (Princeton, 1949), pp. 175 fi.
    ${ }^{23}$ Tor, p. 180, No. 2, and Epiph. I, p. 146.
    ${ }^{24}$ Ostrogorsky, op. cit.; see also Aepyptus, XIII, 99-100.
    ${ }^{4}$ Pp. 3 f.
    ${ }^{*} P$. 4.
    ${ }^{77}$ Cf. G. Billeter, Geschichte des Zinafusses (Leipzig, 1898), pp. 302-5.

[^6]:    ${ }^{1}$ Aser, perhaps "coverlet"; cf. CO, No. 243, and see Dict. 18a.

[^7]:    ${ }^{1}$ C. H. Becker, Beitrage zur Geschichte Ägyptens unter dem Islam (2. Heft; Strassburg, 1903), pp. 81-112; and Islamatudien (1924), pp. 169 ff. H. I. Bell, PLond IV, pp. xxv-xli and 167-77. See also Nabis Abbott, The Kurrah Papyri from A phrodito in the Oriental Institute (Chicago, 1938), pp. 90-96.
    ${ }^{2}$ Several examples of this usage are quoted by Bell in PLond IV, p. 169.
    : This is the explanation given by H. I. Bell in PLond IV, pp. 84-86. A different interpretation has been put forward by L. C. West and A. C. Johnson, Currency in Roman and Byzantine Egypt (Princeton, 1944), pp. 120 and 128.

    - The part payment for dioikesis and syllogrin in No. 293 may but need not be a fourth case, for it seems possible that in either term one of the three taxes named above is implied.
    ${ }^{1}$ Cf. CO, Nos. 414 and 415.

[^8]:    "For tax receipts published elsewhere, many of them written by persons prominent in our texts, see esp. CO, pp. 36-39; W. Till, "Die koptischen Steuerquittungsostraka der Wiener Papyrussammlung," Orientalia, XVI (1947), 525-43; Tor, pp. 186-96; $B K U$, Nos. 84-91.

