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## PHILADELPHIA

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DATED IN THE REIGNS OF CASSITE RULERS (COMPLETE DATES)

BY

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Seventy-two Plates of Autograph Texts. Fifteen Plates of Half-tone Reproductions.

## PHILADELPHIA

Published by the Department of Archaeology, University of Pennsylvania

## To <br> provost <br> Cbarles <br> Custis Karrison

## LL. D.

Cbrongb whose encouragement and generogity original investigations bave been furtbered and reseateb fellowsbips founded at the University of $\mathbb{P}$ entevivanta

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## INTRODUCTION.

The greater part of the tablets here published, as well as nearly all of those of Vol. XV, were discovered during the second Expedition to Nippur, sent out by the Babylonian Committee of the University of Pennsylvania, in the years 1889-90, under the directorship of Prof. John P. Peters, D.D. The tablets were found' quite close to the south-west wall of the palace, known as the "Court of Columns," ${ }^{2}$ although at a slightly lower level. This palace was situated in the northern part of the western half of the city, opposite to the Temple of Bêl, and almost directly west of it; from which it was separated by an ancient canal, known as the Shatt en-Nil, which divided the city into two parts. Nearly all of these tablets are of a reddish terra-cotta color, and are thoroughly baked; in consequence of which, they are unusually well preserved. According to Dr. Peters, "there was no trace of a wall immediately about them."

To this original find additional discoveries were made by Dr. John H. Haynes, the director of the third expedition, 1893-94, on the same side of the canal, but in the southern part of the city. In his report he writes :" In the spring of 1893 and in the winter and spring of 1895 , twenty-five thousand tablets [and fragments] were recovered from the ruins of this mound. Several rooms of an ancient palace were explored and found to preserve the archives in the very position and arrangement in which they had been left when the building was destroyed, In several instances the tablets were placed on their edges, reclining against each other like a shelf of leaning books in an ill kept library of to-day. In other instances the tablets were found in great confusion, showing that at the time when they were buried they had fallen [perhaps from wooden shelves] into the débris which covered them." A few of these tablets were also burnt into terra-cotta, but the great majority are only sun-dried, or partially baked. Although, as stated, most of the tablets of both volumes come from the former find, a goodly number of this volume has come from the latter.

[^0]Owing to the unfortunate fact that the provenance of much of the material excavated at Nippur is not known, there are some tablets here published which doubtless did not belong to the official archives, discovered in the northern or southern sections of the city, but are of a private character. With the exception of about seventy tablets which are more or less fragmentary or badly effaced, I have included in this volume, irrespective of the contents, all that bear complete dates in the collections that have been classified to the present time in the University Museum. Fourteen' seem to be private contracts, and yet in some way they may have had connection with the archives, although it cannot be said that, they were found in either the northern or the southern sections of the city, where the bulk of the documents was discovered. Practically all the inscriptions in Vol. XV belong to the temple archives.

Through illicit diggings, or through the work of thievish Arabs about twenty tablets which belonged to these archives found their way to New York.' They form part) of the E. A. Hoffman Collection in the General Theological Seminary of that city. In a brief sketch of these tablets published by Dr. Hugo Radau (Early Babylonian History, p. 329)' the one dated in the reign of Shibir sharru, as well as another recording a place name, Teliti ${ }^{k i}$, attracted my attention. Through the kindness of Dean Robbins I was permitted to copy them, arid those containing complete dates, with one exception (No. 186), are included in this volume. The tablets in whose dates the name of the king is omitted, were collated, and some of the names inserted in the name list of Vol. XV. As had been surmised the determinative for place was not found after teliti, ${ }^{4}$ (see tablet No. 56a of this volume, which is No. 177 of the E.A. 11.Collection). The word means "crop." Further, the king introduced by Dr. Radau as Shibir, is the word ki-is-rum (see tablet No. 146, which is No. 181 of the E. A. H. Collection). Instead of one sign, shibir (cf.

[^1]Brünnow List No. 8847) which he thinks he saw, there are three. And how Dr. Radau was able to see sharru on the tablet I do not understand.

Attention has been called also to Gir-ri-a-ab-bi on another tablet (cf. No. 147). It is not impossible that it is a ruler's name, inasmuch as both determinative and sharru" king" are quite frequently omitted (cf. Nos. 13, 14, 16, etc.). Unfortunately there is only one name of a person on the tablet, arid it does riot occur on any of the other documents published in either volume, so that the reign to which it belongs, cannot be determined by a comparison of its occurrences. The fact, however, that there is no gap in that part of the list of kings which these archives represent, into which it would fit, speaks against it being a ruler's name. A more probable reading is Gir-ri Tâmtu $(A-A B-B A)$ ' Road Tâmtu'". As a place name without a determinative, Tâmlu occurs in SIV, 58:50 and 53. Cf. also Girru(KAS)-Dûr-ilu ${ }^{k i}$, and Gir-ir-ru Mi-is-ru, Transactions, Department of Archooology, University of Pennsylvania, Vol. I, part 3, p. 223 f . Moreover, what seems conclusive evidence that Gir-ri Tâmtu (or Tâmtim) is the proper reading, is to be found in text XIV, 134, where Girru(KAS) Tam-tim is written.

The reigns represented in these texts are: Burna-Buriash (Nos. 1-9), KuriGalzu (Nos. 10-40), Nazi-Maruttash (Sos. 41-87), Kadashman-Turgu (Nos. 88114), Kadashman-Bêl (Nos. 115-117), Kudur-Bêl (Nos. 118-1241), ShagaraktiShuriash (Nos. 126-142), arid Bitiliash (Nos, 143-145). To these have been appended several additional tablets classified after the others were arranged (cf. 3a, 9a etc.); as well as those from the New York Collection; a few with incomplete dates; ${ }^{2}$ and several undated, which are of special interest.

A few points of historical importance have come to light through the study of these documents:

1. In a tablet dated in the reign of Kuri-Galzu (10:56), mâr sharri is written after the name Emid-ana-Marduk. This can only mean, '' son of the king.''
2. The number of years that each king here represented reigned according to the dating of the tablets are: Burna-Buriash, twenty-five; Kuri-Galzu, twentythree; Nazi-Maruttash, twenty-four; Kadashman-Turgu, sixteen; Kadashman-Bêl, six; Kudur-Bêl, nine; Shagarakti-Shuriash, twenty-two; and Bitiliash, six.

[^2]3. If there was a Kadashman-Bêl in the Amarna period, the Kadashman-Bêl of these texts, who is represented by three tablets, is the second by that name, and is the successor of Kadashman-Turgu. Most chronologers restore the name following this ruler in the well known king's list,' Kadashman-Buriash, who is mentioned by Shalmaneser I., but without sufficient reasons. The following, however, will show that the restoration must be Kadashman-Bêl.
a. In the first place no tablet has been found in these archives dated in the reign of the supposed Kadashman-Buriash, although all the other acknowledged rulers of the period, to which the tablets belong, are represented.
$b$. If we do not take into consideration the three tablets dated in the reign of Kadashman-Bêl, these temple archives, as far as those classified of the Philadelphia collection are concerned, are confined to the period covered by the reigns mentioned above. On the other hand, if these three tablets and the votive objects found at Nippur belong to the Kadashman-Bêl of the Amarna period, they would be singularly isolated, and far removed from the others, being more than half a century earlier.
c. The proximity of the reign of our Kadashman-Bêl with that of KadashmanTurgu and Kudur-Bêl is indicated in the similarity of the writing upon the votive objects excavated at Nippur. Compare the small votive discs, Nos. 59 and 62 of Kadashman-Turgu, and No. 64 of Kudur-Bêl, with No. 65 of Kadashman-Bêl, in Hilprecht, Babylonian Expedition, Vol. I, Part 1.
d. An argument of great weight is to be found in the consideration of the personal names found in the three tablets, dated in the reign of Kadashman-Bêl, in connection with the occurrence of these same names in other documents. Shuqamuna-êrish (116:4) is found in No. 57:26, dated in the thirteenth year of Nazi-Marultash. Kidin-Rammân (116:2) occurs in the same tablet, i.e. 57:26; also in No. 101, dated in the following reign, i. e. Kadashman-Turgu; and also Nos. 131 and 132 of Shaga-rakti-Shuriash; in other words, before and after the reign in question. What may be regarded practically as conclusive evidence is to be found in connection with the occurrence of the name Irîmshu-Ninib (115:2). This prominent official of these storehouse transactions is mentioned in Nos. 91, 96, 98, 99, 104, 111, 112, 114, 114b and $115^{2}$ of the reign of Kadashman-Turgu. In other words his name occurs in these texts only during the reign preceding the king whose name is only partially preserved in the king's list. It follows, therefore, that it is highly probable that

[^3]Kadashman-Bêl, during whose reign this official also transacted business, followed or preceded the reign of Kadashman-Turgu. As the name of the latter's predecessor is well known, and as the two characters preserved of his successor's name are $K a-d a s h$, it follows that the name should be restored Kadash[man-Bêl].

With the exception of about fourteen documents these inscriptions are records of the receipt of taxes or rents from outlying districts about Nippur; of commercial transactions conducted with this property; and the payment of salaries of the storehouse officials as well as of the priests, and others in the temple service. In other words they refer to the handling and disposition of the taxes after they had been collected.

This income is commonly designated as GISH-BAR, which is generally trans lated "tax" or "rent." Further, the kind of tax is stipulated: GISH-BAR-GAL, GISH-BAR KU-QAR, GIXH-BAR SHE-BA, GISH-BAR tab-ki, GISH-BAR 4 qa (5 qa, 6 qa, $10 q a$, and once $12 q a$, cf. No. 106), and GISH-BAR KIN-SIG (35:1). ${ }^{1}$ GIXN-BAR, $4 q a$, etc., has no reference to the kind of tax levied, as it refers frequently to cereals; in No. 21 it applies to wine, and in No. 56 to animals. The same is true of the other terms. The tax was paid in all kinds of natural products, such as corn, sesame, oil, dates, flour, live stock, etc.,-doubtless according to a relative standard of values.

Exactly what the specification $4 q a$, etc., refers to, cannot be determined. The temple, as in other ages, doubtless owned lands and other property; and held endowments. The GISH-BAR scarcely meant rent for such possessions, because of the smallness of the amount, namely, 4 to $10 y a$, which we would naturally think was according to the gur ( $=180 q \alpha$ in this period). It was more likely either the amount of tax levied by the temple upon the gur of seed sowed, or harvested; or per gur of land; or in other words, an income tax. Cf. the expression: te-li-turn GIXH-BARGAL" full crop tax," (100:1). GISH-BAR-GAL (perhaps the same as ilki gamrûti of the Murash $\hat{u}$ texts), doubtless, was the larger amount, namely, $10 q a$. This seems to be confirmed by XV, 159:1, where the scrihe had written $10 q a$, which he erased, having made a mistake, after which he wrote instead, GISH-BAR-GAL. It niay be the tithe or tax of the arable lands. GIXN-BAR 4 ya, may he for the fallow lands, or the mininum which those who were less prosperous were expected to give. GIXH-BAR SHE-BA(ipru) is doubtless a general term, meaning something like "maintenance tax." What is paid out, especially to the average servant or tradesman, is called ipru (SHE-BA) or " wages" (see p. 29).

[^4]The purpose of this tithe or tax is set forth in a number of tablets, which the following quotations will illustrate. The heading of No. 57 reads. " Grain of the $6 q a$ tax, which, out of the crop of the 12th year of Nazi-Maruttash, from the town Zarat$I M$, was given to the priests." The heading of XV, 84, rends:" " Grain of the $6 q a$ tax, which from Bîl-Ninib-apal-iddina, was given for the wages of the temple servant." The heading of No. 153, Vol. XV, reads:: " Barley of the full tax, which for the salary of the riqqu and the KA-ZID-DA officers, Burahu brought to Nippur.' The opening lines of No. 37, Vol. XV, read : " Grain of the full tax of the house of god, for the farmer and keeper of stores, which the town Zarat-IM gave, in the month Marchesvan, year 13th." This tax, in other words, was levied for the maintenance of the priest, temple servant, storehouse official, farmer, etc., as well as for general expenses.

Further, it is quite clear that these are temple revenues. Payments are made out of the mashsharti sha êkalli, "temple stipend" (Vol., XV, 47); out of the GISH-BAR-GAL bît-ili, " full tax of the house of god" (Vol. XV, 37); to the ardu and amtu êkalli "male and female temple servants" (Vol. XV, 152: 15 and 200, 111, 9, 38). Besides the priests (ishshaku), who figured prominently in the salary payments, the temple gateman (a-bil bâbi bit-a-nu, Vol. XV, \%), the singer (zammeru, 6:4), the temple shepherd (nâqidu sha bîti, 132:15), etc., are salaried officers. The temple in these archives is usually called b̂tinu " our house," cf. VI gur LXXXIV qa SHE-BAR a-mi-lu-ti sha blti-nu "VI gur LXXXIV qa, wagesfor the men of our house;" or simply bîtu "house," cf. ipru marêbîti(-ti), "wages for the sons of the house" (Vol. XV, 200; 1,38). The property handled also is spoken of as the possession of the god, cf.VI gur she'um GISH-BAR-GAL sha ili (16: I). " 60 gur of grain of the full tax, the property of the god." Cf. also the interesting text No. 148, in which payments are made for sacrificial purposes as well as for the maintenance of a large number of temples and shrines. These are headed by Ekur. They were doubtless within the temple court, or at least in Nippur.

There is little in these documents to show that the revenues were collected in the interests of the state, or that, the king was a beneficiary, unless perhaps tablet No. 26:3 of Vol. XV, which reads: sha a-na SHE-BAR Nıprur ì Dûr-Ku-ri-Gal-zu, " which is for the maintenance of Nippur and Dur-Ku-ri-Gal-zu;" the latter place

[^5]being probably a royal fortress. In the tablet referred to (No. 148), amounts are also paid, sha si-ri-bi-shu sha sharri, a-nu nu-ri sha sharri, a-na nu-ri bîti-nu, a-na sharri, a-na bttinu.

The understanding doubtless is, that the temple was not only the foremost institution of the city, but that it practically supported and controlled everything in its immediate vicinity.

This income was received from quite a number of towns, which lielonged presumably to the environs of Nippur. In the transactions dealing with these revenues not only the kind of $G I S H-B A R$ is mentioned, whether it was $S H E-B A$, or so many $q a$, etc., but also the town from which the taxes were received. These facts were perhaps recorded in order that the records might show what disposition had been made of the incoming revenues received from the various storehouses and estates, in and about the city.

In a topographical map from Nippur published by the writer (cf. Transactions of the Department of Archaeology U. of Pa. Vol. II, p. 223 ff ), the exact provenance of which is not known, but which for paleographical reasons belongs to this period, the relative positions of a number of these small towns are given. Those mentioned in the temple records which are found on the map are Kar-Nusku, Tukulti-Ekur, Karû and Zaqar.... A canal is represented on this map, callcd nâruTukulti-Ekur, which passes by the city bearing that name. The two lines which represent the canal join two others, above and below, running at right angles to it. Between the lines of the upper is written: Na-la-ah; arid between the lower: eqil Si-mi-la-ti. The town Similati is indicated by a little square on the left edge of the tablet. In discussing this map I suggested that eqil (A-SHA) was a mistake of the scribe for nâru ( $A-I D$ ); and that Nalah also represents a canal. The latter can now be proved to be in accordance with fact. In a letter, C. B. M. 3527, the following occurs: me-e ${ }^{n a ̊ u} \mathrm{Na}$-la-ah ' Waters of the canal Nalah.'" It is possible that in this business department of the temple, there was a complete set of similar topographical maps of the entire district about Nippur, or at least of those towns from which the temple derived its revenues.

After the taxes had been collected they were either brought to Nippur; or if the town had a storehouse, they were deposited in it. A good many of the documents refer to the fact that the commodities were taken from a storehouse (kar $\hat{u}$ ) of a certain town. The taxes from small hamlets or estates were doubtless brought to Nippur and deposited in one of its storehouses, or used for immediate payments, or for business transactions. Several storehouses were located in Kippur, as is naturally to be expected, inasmuch as the taxes were paid in kind, which included ani-
mals as well as grain and general produce. Mention is made of the b̂̂t karû sha Nippur ${ }^{k i}$ " $S$ torehouse of Nippur" (XIV, 111:4); the miksu shaplu "Lowery granary" (XV, 29:4); abullu "Gate" (XIV, 58), etc., where stores were kept.

The official who figures more prominently than all others in both the volumes of these archives, is Innannu. All the tablets in which this name occurs, with the exception of one, which is dated in the reign of Nazi-Maruttash, belong to the reign of Kuri-Galxu. No title appears in connection with his name, with a possible exception of Vol. XV, $39: 24$, where tupsharru" scribe" appears after a certain Innan$n u$. He is represented as receiving the taxes (cf. Vol. XV, Nos. 99, 109, 112, 115, etc); and a great many receipts record him as making disbursements (cf. Vol. XV, 24, $32,57,63,93$, etc.). In some, it is stipulated that debts shall be paid to him (cf. 38, etc.); the salaries of the riqqu, $K A-Z I D-D A$ and other officials are paid by him (cf. Vol. XV, Nos. 3, 104, 114, etc.); and it is with the riqqu and the $K A-Z I D-D A$ officers that he has drawn up the "tablet of trust" duppu rikisti (cf. XIV, No. 42).

Martuku is the principal official during the reign of Nazi-Maruttash. In the closing years of the preceding reign (i. e. Kuri-Galzu) he is mentioned once, as well as twice in the succeeding reign (Kadashman-Turgu). Neither is his title mentioned, except in No. 56 where he is called arad sharri" servant of the king." In C. B. M. 3511, however, there is a certain Martuku, who is a physician ( $\hat{s} \hat{u}$ ). In Nos. 45, 76, etc., he makes disbursements; in Nos. 79, 92, etc., amounts are paid, according to his order; in No. 49 payment is made to him; in others, Vol. XV: 26, etc., payments of salaries are made by him.

Irîmshu-Ninib is another official mentioned in these texts, who acted in a similar capacity. He conducted affairs in the following reigns, namely, Kadashman-Turgu and Kadashman-Bêl. In Nos. 104, 112, etc., he receives incoming taxes. In Nos. 98, 111, 115, etc., he grants loans; and in Nos. 91, 96, etc., he pays salaries to other officers. These three prominent officials, therefore, without taking a few tablets into consideration may be said to succeed each other. During the time Innannu acted in the capacity mentioned, an individual, Sin-issabra, took a prominent part in the transactions. He seems to have acted as an agent for the storehouse (cf. Vol. XV: 89). In the succeeding years, Innannu, Martuku and Irîmshu-Ninib were followed by others whose names, especially in this volume, are just as prominently mentioned, but not so frequently in Vol. XV.

Two prominent officesare often referred to in these texts, namely, the riqqu and the $K A-Z I D-D A .{ }^{1} \quad$ Two of the former and one of the latter are usually mentioned

[^6]together (cf. Nos. 60, 62, 71, 77, etc.). The salaries they receive, together with the ishshaku " priest," are higher than those of the ordinary craftsman, or temple servant. From the contents it would seem that these officers acted as agents, representing the Nippur storehouses in the collection of taxes in the different towns about the city. Perhaps the riqqu dealt more particularly with green produce, gathered as temple revenues, while the $K A-Z I D-D A$ may have had control over the cereals or flour.

## CASE-TABLETS.

Nineteen of the tablets published in both volumes were encased. With the exception of one, XV, No. 49 c , the envelopes were removed after the seal impressions had been studied, and the inscriptions copied. In order to determine the process of case-tablet making, the writer made a number of experiments. The tablets were baked, as are the case-tablets of this period with but a few exceptions; and the conclusions arrived at by these experiments are as follows:

The inside tablet was not burnt before it was enveloped. As the case contains the obligor'sseal he could scarcely be detained by the scribe until the tablet had been burned. Further, it was not necessary to allow it to dry out before it was encased in order to prevent the envelope from clinging to it. Neither did they dust the tablet to avoid this before it was encased, according to the theory that has been advanced. Dr. King, in his Letters and Inscriptions of Hammurabi, p. XXII, writes: "the former ( $i$. e. the tablet) was prevented from permanently sticking to the latter (the envelope) by powdering it with dry clay." By experimenting it will be found that material thus used clings to the clay, and closes up the impressions of the stylus. The inner tablet I have found to be singularly free from anything which had the appearance of powdered clay. Immediately after the tablet was written, or after allowing the clay to set for a short time, so that it would not lose its shape when being encased, the thin layer of clay was folded about it. Occasionally the case clings here and there to the tablet, but as a rule it can be removed without much difficulty.

The scribe probably took a lump of clay arid rolled it flat with an instrument at hand. By very little practice the proper amount could be selected. When rolled into a thin layer it would appear more or less round. It was then wrapped about the tablet, and what remained after the tablet was covered was easily broken off. If the material was not sufficient to cover the tablet, additional clay could be added; and by dipping it into water, all the cracks could easily be removed with the fingers, or with a spatula. A smooth surface was thus obtained with little difficulty.

The envelopes contain practically the same inscription as the tablet, although
frequently additional details are found upon them. Several envelopes make reference to the seal impressions that are on them; or they have occasional variant readings. In some cases the names of witnesses (XV, 30), or the name of the king (XIV, 86) are not inscribed upon the inside tablet.' On the case of XV, 70, the date is one day later than that of the tablet, which may indicate that this particular document was encased the clay after it mas written, or the discrepancy may be accounted for as a mistake of the scrihe.

The question arises why were these administrative documents of the temple encased? Dr. Pinches thinks ${ }^{2}$ that as "the inner tablet was never sealed, while the envelope is invariably covered with seal impressions,' ' that there was another reason for encasing the tablet than to insure greater security. In short, he considers that " they were a kind of ex-voto - something offered to a deity by means of a tablet, and sealed by the person who received the offering, thus attesting that it had really been made." Dr. Radau, ${ }^{3}$ in translating a few small Sumerian temple documents that had been encased, sees in the omission of the verb on the case a desire to make the document a " private transaction," so that no one could know whether the grain was bought or sold. But $D U B$ is to be translated "seal" (kunukku), and not " tablet', (duppu); arid the words:'seal of Lugalkagina'' make it clear that that individual was the recipient.' The use of the seal determines this (cf. p. 14). The other view referred to must also give away to what is more sirnple arid practicable.

The tablets of these archives which were encased may be divided into two classes. The first consists of records of debts, with or without the condition that the same shall be paid (cf. XIV, 86), and simple receipts (cf. XIV, 15, 20, etc). Some of the latter niay also be regarded as records of loans. The official of the storehouse wrote the document, and it did riot matter whether he made a record of the items as being paid out, or received by the other. Second, the series of allum (salary) payments (cf. XV, 8, 25, etc.) were encased. In other words, the same classes of documents were enveloped as those upon which seal impressions were made (see p. 12 f .). Those of the former class contain the seal of the obligor, or in a few instances of his agent; arid thoscof the latter contain the impression of the delivering agent, who sealed the record of payment held by the official that sent out the commodities as salary.

The reason why tablets of any class were encased was primarily for prudential

[^7]purposes, as is generally held by Assyriologists. As the above mentioned ideas, however, have been advanced with reference to the enveloping of temple accounts, it seems appropriate, therefore, to discuss briefly the question.

In the first place, as referred to, all these case tablets bear seals, or their substitutes. The seal impression is equivalent to the signature of the modern document. It belongs to the man upon whom the obligation rests, or who is the recipient mentioned in the tablet, or to whom the goods are delivered. The other holds the document, who in this case is the official of the temple storehouse. Unless the obligor or the witnesses receive duplicate copies, what guarantee has he that the document will not be interfered with? Further, alteration was possible by either party, even if duplicate copies were made. If it was of sufficient importance to require the individual's seal, we would naturally think that he had a right to protect himself, and to take precautions that the document would not be altered, especially as we know that this was not impossible. The only way this protection could be assured was to encase the tablet, and for the obligor to make impressions with his seal upon the envelope. The holder of the document might be able to make changes on the case, but he could not peal it off to alter the tablet; because he could not restore the envelope which contained the seals of the obligor. If in some way the case had become injured, or alteration was suspected, it would an easy matter to remove the envelope in the presence of the contracting parties, and thus verify the contract which had been entered into. In short, it is impossible to conceive of a better protected document than a case-tablet properly sealed; whereas, an uncased tablet, although it contained seal impressions, could be altered. That the envelopes of these documents and not the tablets were sealed, therefore is not surprising; and, contrary to the idea advanced, does not require us to seek another explanation than the above for the enveloping of the tablet.

In some encased contracts, especially of the first dynasty of Babylon, both the tablet and the case were scaled; hut the seal impressions on the inner tablets of this age, that I have noticed in tlie University collection, are not made upon the writing, but on the edges, or empty spaces of the tablet. This is significant.

Those who have deciphered tablets, upon which seal impressions have been made, know how difficult the writing of some tablets is to read; arid that some wedges have totally disappeared, owing to the pressure of the seal upon the soft clay. In other words the writing may suffer ivhen the seal impressions are made upon it. Is it not possible to see in this fact another reason why the tablet was encased? It was highly desirable to keep either the writing of the envelope or the tablet free from impressions. And it must be very clear that if one or the other of these documents
was to be sealed, and that either was too small to make impressions upon empty spaces, the envelope would receive the impressions, for the above prudent reasons, as well as to insure accuracy in the document.' On the other hand, even if the case were injured, it would be practically impossible to obliterate all the traces of the seal impressions, for they were made on the differentsides of the envelope.

Another reason why the envelopes of loans or records of debts were sealed, is to be found in the following expression, which occurs frequently in the tablets from these archives: SHE-BAR una ${ }^{m}$ Irîmshu-NIN-IB i-nam-din-ma ${ }^{a b n u} k u n u k k u ~ i-h i-i p-$ $p i$ "The barley he shall pay to Irimshu-Ninib, and the seal he shall break." (XIV, 115 , cf. also XV, 49), which proves that after the obligation had been met, the case containing the man's seal was broken off. The inside tablet was doubtless preserved in the archives as a record of the transaction. In this way it is possible to account for many of the small records which have the appearance of having been encased.

## SEALS AND THEIR SUBSTITUTES.

With the exception of XV, 30 and XIV, 86 which bear on the envelopes substitutes for the seal, supur and sisiktu (see below), all cases contain seal impressions. Only six of the nineteen envelopes of both volumes 86, 114, 116, 129, 138 of Vol. XVI and 86 of Vol. XV mention the ${ }^{a b n u} k u n u k k u$ (or sisilctu), and give the name of the individual whose seal made it. Contrary to the practice of the first dynasty of Babylon, when occasionally the inside tablet of some private contracts was sealed as well as the case, in hut a single instance ${ }^{2}$ does an inside tablet of these archives contain the seal impression, although one (XV, 116) mentions the kunukku. The fact, therefore, that tablets No. 22, 29, 43, 45, 63, 79 and 98 of Vol. XV mention seals ( $k u n u k k u$ or ${ }^{a b m u} k u n u k k u$ ), and do not contain seal impressions, show that they are either duplicates, in which case the usual word gabri" duplicate" (cf. XIV, 1111, 115, etc.) is omitted; or they are inside tablets, the cases having been removed. This being true, and taking into consideration the fact that only one of the nineteen tablets taken out of their cases refers to the seal impression which appears on the case, we have an additional reason (cf. above) why we should infer that a large percentage of the small tablets, of the kind of documents which were encased, originally had envelopes, especially as they have the appearance of having been encased, the indentation of the stylus being so sharply preserved. Perhaps the envelopes had been removed for reference; or in the case of tablets which were records of obligations,

[^8]the same having been met, the cases containing the seals were broken (cf. p. 12). Quite a number of tablets, particularly small ones, bear seal impressions. These, however, have the appearance of being regular tablets, which had not been encased.

Instead of ${ }^{a b n u} k u n u k k u$, there is written on XV, 30 , sisiktu ( $K U-X I G$ ). Another tablet, i.e. XV, 55, which may have been encased, has :si-si-ilc-tn-shu ki-ma abnukunuk$k i$-shu "his sisilctu instead of his seal." On the latter no mark or impression is visible, except on the left edge there is a small hole (cf. Plate XII, No. 37). If it is a tablet which had been encased, reference to the seal, or its substitute, as on No. 116, might have been made on the tablet, while the impression itself appeared only on the case. It has the appearance, however, of being a small tablet that had not been enveloped. The former (i.e. No. 30) is comparatively roughly made. If sisiktu means "cloth" or "dress" (cf. Delitzsch, $H . W$. B. p. 506, and Jensen K. B. VI, 44 f.) it is possible to see very faint traces on the case of what might be regarded as impressions of such material. On the other hand, on the right edge, if the word has reference to something which could be used to prick a hole in the clay, while soft, an indenture, roughly made, is seen (cf. Plate XIII, No. 36). Tablet XIV, 86, however, puts the matter beyond any reasonable doubt. The closing words of the case read : șupur ${ }^{m} N I N-I B-a h u-i d d i n a ~ s i s i k t u{ }^{m} N u s k u-d i-n a-a n-n i{ }^{\prime \prime}$ Thumbnail of Ninib-ahu-iddina, sissiktu of Nusku-dînanni"'. On the left edge are seven thumbnail marks, and on the lower left edge is a clearly defined hole about 2 mm . in diameter (cf. Plate XIII, No. 35). On this document, as well as on No. 55, there are absolutely no traces of cloth marks. About the smallholes of all three tablets there are marks which suggest the idea that they were made by an instrument, which did not have a very long projection, the base of which has left its imprint.

On the meaning of the word 'sisiktu cf. Jensen's interesting discussion, Keilinschriftliche Bibliothek, VI, p. 45. In the passage discussed Nebuchadnezzar is referred to as standing before the image of the god, whose sissiktu he takes hold of. This the author thinks is his garment. The connection in which the word is found, cf. also Delitzsch H. W.B. p. 605 would seem to bear this out (cf. also Maklu, Series I; 1, 33). I have nothing definite to suggest beyond the fact that the indentations show that they were made by some kind of an instrument, which doubtless was represented as being in the hand of the god; or it was an object attached to his ('garment;" or perhaps it was the end of his girdle to which something appended, which the worshipper took hold of when he stood before his statue.

On tablet XV, 5, is written şupur (DUBBIN) ${ }^{1 m}$ Amêl-ba-ni-i, " Thumbnail mark

[^9]of Amêl-bânı̂ cf. also XIV, 35. Kîma "īnukunukkishu "like his seal," is understood in both cases.' On the latter there are no thumbmarks visible. As mentioned above this is an indication that the tablet originally had been encased; or it is a duplicate (gabri).

The use of the seal, or its substitute, in these inscriptions of the Cassite dynasty, is practically the same as in other periods. If the seal impression appears on a record of a debt, with or without the stipulation concerning its payment, or if it is found on a receipt, it always belongs to the man upon whom the obligation rested, or who had given the document as a receipt, cf. Nos. 5, 29, 30, 43, 68, 86, 98 of Vol. XV. This usage is in strict accordance with that which is found in the late contract tablets (cf. my Introduction to Murash $\hat{u}$ Vol. X, p. 5). This being true in the record of loans, or receipts, but not aklum (salary) payments, where the name is omitted in connection with the seal, or its substitute, it can be supplied; as for instance in XV, 55, sisiktashu ktma kunukkishu refers to the sisiktu of Ṭ̂ab-ashâbshu; and the seal on the envelope of XV, 15 belongs to Innibi.

In the series of tablets which are regarded as payments of the salaries (aklum cf. p. 29) of the head officials, the impression has been made with the seal of another; i.e. it does not belong to the man who received the salary mentionctl in the inscription, but to another officer. In the documents of this class, there are no less than six tablets which contain the seal impressions of Rîmûtu. They are records of salary paid to different individuals. This suggests the ides that he was an agent of the storehouse, and on taking out for delivery the articles mentioned for the officials, a record was not only made of the payments, but he was required to leave his seal impression upon the documents held by the bursar. In XIV, 87a, a certain Rîmûtu is called rab riqqu, which may be his title. On a number of the tablets of this class, names do riot accompany the seal impressions. In most instances it is impossible at the present to determine to whom they belonged. It was doubtless unnecessary to write the name of the delivering agent, inasmuch as the impression of his seal was familiar to the official of the storehouse.

Another singular usage of the seal is found on a receipt given by one who acted apparently as an agent for another. In this instance the seal impression belongs to a third individual. The tablet (XIV, 108) reads:XV mana shipâtu a-ria mRi-esh-ti ka-mi-di ${ }^{m}$ Nergal-nâdin-aĥê im-hur. (Date). ${ }^{\text {abnu } K u n u k k u ~}{ }^{m}$ Shi-gu-u-Gu-la. " $\mathbf{1 5}$ minas of wool Nergal-nâdin-ahê has received for Rêshti, the kamidi officer. (Datej. Seal of Shigû-Gula.' In this document it also seems as if Shigû-Gula was in some

[^10]respect responsible for the delivery of the wool to Nergal-nâdin-ahê (cf. also XIV, 115 , in which the brother of the individual upon whom the obligation rested left his seal impression). On the contract XIV, 2, in addition to the two obligors a witness and the scribe are recorded as having sealed the tablet (cf. also SIV, 7). The document, however, does not bear the impressions, as it is a duplicate.

The seal impressions, as a rule, are incomplete on these documents, owing to the fact that the tablets themselves are small, or the uninscribed portions upon which the imprint of seals could be made, were not large enough to receive the entire impressions. As far as I can ascertain all the seals used on these tablets were cylindrical in shape, and of a large size. In a good many instances only the end or the border of the cylinder was employed. (See Plate XIV.) In others the scribe took particular care to use that part of the cylinder which contained the figure. In many instances portions of the seals are repeated again and again over the entire tablet. The following observations suggest theniselves after an
 examination of the impressions on these documents.

Most of the seal imprints on these tablets show traces of what may be called a decorative border at each end of the cylinder. In the several hundred cylinders of our University Museum, there is not one that has this peculiarity. This seems to be a characteristic feature of the seals of the Cassite period. In the accompanying illustration, the lines of the work indicated are intaglio on the tablet, which would mean that they were cameo on the cylinder. This as well as other features show remarkable skill on the part' of the artist. Dr. W. H. Ward has suggested that the seal had a thin metal cap, presumably of gold, upon which tlie border was cut. (See Plates XIV and XV, for additional illustrations of this feature of the seals.)

In two of the impressions a symbol in the form of
 a maltese cross is seen. To the left of the one in No. 2, Pl. XV, there is a diamondshaped symbol represented. In the other (see No. 7, Pl. XV) above tlie cross an animal is depicted, while below there is a design in the form of a wheel,

The most noteworthy impression is that of a winged centaur drawing a bow in the direction of a date tree. Fortunately the scribe pressed the seal on all sides of the small tablet. By combining the different impressions the figure can be reasonably well restored with the exception of the upper part' of the head, and the lower part of the fore feet. This figure shows a remarkable resemblance to
an emblem on a boundary stone of Meli-Shipaq (Br. M. No. 101), which is the Sagittarius or archer, represented as a winged centaur, ' with double head and double tail, and a scorpion beneath his front feet (cf. Boll, Sphaera p. 189).

## CHECK MARKS.

In quite a number of these texts, particularly the larger ones, small holes, sometimes more or less round (cf. XIV, 57, and XV, 198), and at other times semicircular (cf. XIV, 22), appear before the name; occasionally in connection with the amount recorded (cf. XV, 163), and once on the edge of the tablet (cf. XV, 38c). These marks were used to check off the amounts paid, or the names of the pereons who received what is written in connection with their names. They can properly be called " check-marks." Owing to the character of the writing material it would be impossible to add from time to time additional names and amounts. The lists, which are mostly records of the payments of salaries or wages, were, as a rule, copied by the scribes from earlier lists. In some instances even the amounts were copied. After the tablet was written, what was actually paid was checked off by means of these small holes. That this is the proper explanation of these indentations is proved by the fact that in XV, 195, line 24, no "check-mark" appears. It is the only name in the list which is not preceded by an amount that was paid (cf. also XIV, 91a: 27, 28; or, XV, 180: 14, 43, and 200 IV: 31, 32, 40, 47, etc.). Also names which are preceded by mîtu ( $B A D$ )" deceased" and halqu ( $H A-A$ ) " fugitive," terms implying that the persons were no longer in the temple service (see Introduction, XV, p. 7), likewise do not have "check-marks;" (cf. XV, 188 I: 15 and 200 IV: 33). Further, the fact that in tablet XV, 200, only names before which amounts are not recorded, and the names which are preceded by halqu are without these " check-marks," proves that the tablet mas thus marked when something had been paid. Finally, that this is the proper explanation of these small holes is proved conclusively by XIV, 91a, in which three lines do not have "check-marks." In each, the amounts which had been written before the names have been erased.

In XV, 198, some of the holes are clear cut (cf. lines $25,26,29,30,48$, to 54 ) but the rest appear to have been made after the tablet had become somewhat hardened. The document containing considerable data could not perhaps be verified at once. During the interruption it was wrapped very likely in a damp cloth in order to keep it soft, as signs of cloth impressions upon it are everywhere visible.

In all probability these " check-marks" were made with the upper end of the stylus, which was round, or semi-circular, or pointed. In the pre-Sargonic period,

[^11]when the circle had the value ten, and the semi-elliptical impression stood for one, it is very likely that the upper end of the stylus was round; and that it was used to make the numerals. The circle was made by pressing the stylus perpendicularly into the soft clay; and the semi-elliptical by leaning it lengthwise, as in writing.

## THE STYLUS.

The determination of the character of the styliis which the ancient Babylonian and Assyrian scribes used in writing tablets has been credited to Dr. Zehnpfund.' The following, however, I think, will show that his stylus is different from that used by the ancient scribe, because it does not make the proper impression upon the clay. It is described as being of box wood, " one end of which is cut into an exact square. This end of the stylus was cut away obliquely, so that one of the corners of the end formed a somewhat acute angle. [See illustration of his styliis next page.] It was held like a pen, and the pressure was applied chiefly to the upper edge in the direction of the point, with a slight inclination toward the left.'" In tablets written by Zehnpfund it will be observed that, in making the oblique wedge, sometimes he made the left corner of the stylus come into contact with the clay, and sometimes the right. The "angular hook" winkelhaken, he made exactly like the former of the oblique wedges, with the result that in appearance, of course, it is exactly the same. Cf.
 sary for him to draw the stylus over the soft clay. Dr. Zehnpfund's desire to hold the instrument, as we ordinarily do a pencil or pen, doubtless led him to his conclusions. With the exception of the fact that some scribes made the impression of the perpendicular wedge extend lightly to the right side more than to the left; and that there is every variation of a winkelhaken, from an oblique wedge to a well defined "' angular-hook," the wedges of the ancient writing are altogether different.

The results of my own investigations with reference to the stylus were ready €or the press, and were presented to the Oriental Club of Fhiladelphia more than a year ago. This fact is mentioned inasmuch as there has appeared recently from the pen of the famous excavator De Morgan (Receuil de Travaux, XXVII Liv. 3 et 4 p. 241) results which are in some respect similar, especially as regards the upper end of the stylus which was doubtless used to make " check-marks" in this period, and numbers in the early period (see the discussion above). With his conclusions, how ever, as regards the stylus proper, I desire to take exceptions. 1he instrument, he says, was "triangular"; which means that the angle that made the impression was

[^12]$60^{\circ}$ He doubtless has seen tablets to substantiate this. After an examination of hundreds of tablets at the University of Pennsylvania, from Nippur, Sippar, Babylon, Telloh, Jokha and Kappadokia I have


1. Stylus after Zehnpfnnd. 2. After de Morgan. 3. Square end. 4. Reveled end. found that there is only an occasional tablet which has been written with a stylus which made a wedge as narrow as that produced by a triangular stick. The angle in practically every instance is greater; hence it is incorrect to generalize, and say it was "triangular".

The stylus used in most periods was a very simple affair. Any stick of metal, or hard wood, presumably reed wood ( $q a n \hat{u}$, hence qan duppi "tablet reed" or "stylus"), which had a square corner, that is with an angle of $90^{\circ},{ }^{1}$ more or less, could be used.

By holding it beneath the palm of the hand between the thumb and the middle finger, with the index finger on top, and pressing the angular corner into the soft clay, the impression made will be that of a perfect wedge. What is known as the winkelhaken is not simply an oblique wedge as above, although occasionally the impressions resemble it, but it is made in a different way. The stylus is simply laid over on its side, with the handle toward the right, and when

[^13]pressed into the soft clay, makes the desired impression. This side and angle marked $\times$ makes the winkelhaken. If the scribe failed to turn his stylus far enough the impression resembled the oblique wedge. Every variation, due to this fact, is found, from the oblique wedge to the perfect winkelhaken. That this is the proper explanation as to how the latter was made, is proved by what follows.


A very marked peculiarity of the stylus in most periods, especially from the time of the first dynasty of Babylon, is that the top very frequently sloped to one side (cf. Stylus No. 4.). In the writing upon the Sumerian tablets from Jokha and Telloh I have not noticed this peculiarity. When the top of the perpendicular wedge does not slope, e.g. $\nabla$ the winkelhaken has a perfect right angle, e.g. $\langle$ (cf.tablet No. 3). A great many scribes, however, from other quarters, sloped the top so that the
upper right corner of the impression in the clay was lower than the left, e. g. $\%$ (cf. the Original arid No. 4.) The stylus was cut in this mariner, it seems to me, so that the angle of the winkelhaken would be less than a right angle, e. $g .<$ for when the top was perfectly square, the end of the "hook" spread (cf. tablet No. 3), doubtless, more than was desired. The angle of the winkelhaken varies according to this slope. The greater the bevel of the top of the stylus the smaller the angle. This fact enables us to prove conclusively that the above explanation as to how the uinkelhaken was made, is correct.

To produce long horizontal wedges for the purpose of filling out lines, as was frequently done, it is not necessary to draw the stylus over the soft clay. By simply lowering the handle, it is possible to make a wedge as long as the stylus.

A great many of these documents contain lists. These are generally ruled. In all probability the lines, especially on the smaller tablets, were made by laying the stylus lengthwise upon the tablet, as is done in making a long horizontal wedge. When more than one item was mentioned in connection with a number of names, they were ruled up and down, as is the case with tablets having more than one column (cf. Vol. XV, Nos. 199 and 200). After the heading was written, if one appears, and the first line was macle, the perpendicular lines for the entire side of the tablet were ruled. The horizontal lines were made as needed, but before the cuneiform lines beneath were written. This is illustrated by XV, 133, which has the perpendicular lines drawn for the entire obverse, although only a portion of it was inscribed. The perpendicular lines were made with great care arid precision. It would almost seem that a T square had been used for the large tablets. The horizontal lines, being ruled as needed, were not made with the same exactness; for example (cf. tablets XV., 188, 190 and 200), where the lines slope upwards.

## PALEOGRAPHICAL NOTES.

Similar to the list of Seo-Babylonian signs and their variants which I published in Volume X of the Murash $\hat{u}$ archives, a list of the signs which appear in these texts, with their phonetic and ideographic values has been prepared. It will be found immediately preceding the texts. As stated in connection with the list in Volume X , completeness and perfection have been aimed at, but as is natural to be expected, this has riot been altogether possible. While a great many difficulties have been surmounted, some values are only offered provisionally, and a few signs remain to be determined, the chief purpose of the list being to present the signs with their variants. To give an illustration let me refer to cliaracter No. 49 in the Sign List. It occurs twice in the same name $\operatorname{Lim}(S h i)-m e-g a-a g(?), X V, 198: 89$, arid C. B. M. 3480:20.

I have read the character $a g(?)$, but feel that it is not a variant of $a k(g, q)$, although it resembles the Assyrian form of that character. The sign $a k$ (No. 10) is written in the usual way, eren in the two texts in which the character in question occurs. It is perhaps to be identified with $K I R R U D$, which is found in ${ }^{d} B I L-K I R R U D$ (cf. my Vol. X of Murashû texts, page 14; and No. 222 of the Sign List of that volume). It doubtless is the same character found also in XIV, 157:3, etc., where it appears in connection with the sign $A$ (No. 240). The further study of the documents of this period will very likely fully establieh the identity of this character.

Tablets Nos. 157 and 163, besides a number of others of this volume, were copied after the Sign List was made. It was my intention to insert it in Vol. XV which was ready for the press more than a year ago, and before about half of these texts were studied. Some ideograms contained in these tablets, many of which have the determinatives: subâtu, karpatu and işu, are therefore not included in the list. A number of them are well known from Brünnow's List, while others will doubtless appear with their respective values in the new publication, Seltene Assyrische Ideogramme, by Dr. Bruno Meissner.

1. The study of these documents has resulted in the discovery of two new cuneiform characters, with their meaning, besides additional values for several known signs. The first character of text XV, 199, (cf. Sign Lzst No. 120), without another sign inserted, as far as I know, has not yet been found. For its value I offer $l \hat{l}$, meaning "bull." This is determined by the fact that following it in order are: littu rabîtu, littu shattu III, alpu shattu III, littu shattu II, alpu shattu II, ittu shizbu (LID-GA), alpu shixbu (SUR-GA). "Large cow, three year old cow, three year old ox, two year old cow, two year old ox, cow heifer, ox calf." The herd will be complete if the first sign is regarded as having the meaning " bull." With SMAM-G1R inserted, the character has such values as kisimmu, zirbabu, etc.," plant destroying animal." With $L U-B I R$ inserted, it has the value supuru'" fold" or " pen. The sign should properly be considered in connection with the other, which has the same meaning.
 (cf. Sign, List No. 169) has also the same value, namely "bull." It is found in lists of animals (cf. texts, XIV, 52, 137 and 163, as well as C. B. M. 11,949). The first (No. 52) reads: I lû (sign in question) XXXIV littu-rabîtu IV littu shnttu III, IV littu shattu TI, o littu shattu I, VII littu shizbu (GA), VI alpu (SUR) shizib (GA), VII alpu shattu V,V alpu shattu IV, V alpu shattu III, IV alpu shattu II, naphar LXXVII littu alpuctl etc. The second inscription (No. 137) reads: [l] l $\hat{u}$ (sign in question) [II] littu rabîtu, [II] littu shattu III, II littu shattu II, I alpu shattu IV, I alpu shattu

III, alpu shnttu II, I alpu shnttu II, IIl ittu shizbu (GA),II alpu (SUR) shizbu, naphar X X littu alpu ${ }^{\text {coll }}$ (cf. also No. 163). In both lists, all animals belonging to the cow and ox herd are represented if the first character is translated "bull."

Taking into consideration also similar lists of animals, such as SIT ${ }^{\text {‘ }}, \mathbf{3 8}$, in which are mentioned in the following order: male sheep, large female sheep, male lambs, female lambs, large rams, goats, male kids, femalc kids; and also taking into consideration the sheep and goats list given in Murasht. Tol. X, 130, 131 and 132, where complete flocks, male and female, young and old, alike are mentioned, there is every reason to think that a list of this kind included at least a small percentage of bulls. It will be noticed that in these texts, the number of animals translated "bull" is small in comparison with the other animals, which is exactly what may be expected. The values also of the character NITAH which is inserted, namely zikru, " male" immeru zikaru" ram," etc., further establishes this interpretation. In short for this character which, as far as I know has not been recognized, as well as for the other discussed, I do not hesitate to offer as the correct meaning, "bull." The transliteration $l \hat{u}$ which is the masculine of littu" cow,'' is only conjectural. There is a possibility that it should be read shûru.
3. $S U R$, which usually has the value bûru "the young of an animal," in these texts refers especially to the ox (alpu). Parallel with LID-GA "cow calf" is $S U R-G A$ " ox calf" (cf. Nos. 52 arid 137). In No. 183 also, $S U R$ is used instead of $G U D$ for alpu.
4. NIN-QAR, 48:9, which takes the place of the usual $S A L-A S H-Q A R$, if not a mistake of the scribe must have the value unı̂qu' female kid." In the Murash $\hat{u}$ texts, Vol. X. 130 and 132, parallel with wrisu șihru "male kid" is uniqu the "female kid." One feels almost inclined to suggest the idea that at some time $N I N(=S A L+K U)-Q A R$ and $S A L-A S H-Q A R$ were identical.
5. For the character $K A R$, cf. Sign List No. 208, two new values arc offered. It occurs in the name Sin-KAR-bi-ish-me 95:14 (cf. also Sin-KAR-ba-i-shi-me, Nbn. 648:9), and in the Cassite king's name Sha-KAR-ti-Shur-ia-ash (cf. 134:7, 137:26), etc. The writing of this ruler's name is usually, Sha-ga-rak-ti-Shu-ri-ia-ash, etc. $K A R$ therefore must have the value garak (cf. also Sha-KAR-ak-ti-Shur-ia-ash C. B. M. 11,103), in which name KAR might be read gar, but very likely gara or $\operatorname{garak}(-a k)$. In the other name the character must have the value kara; and the reading should be Sin-kara-bi-ish-me. "Sin has heard my prayer." Tallqvist, Neubabylonisches Namenbuch, reads this name, Sm-kar-bi-ish-me; although the element is repeatedly transliterated $k a-r a-b i$, and it is a $f a$ ' $\hat{a} l u$ formation, which the author recognizes. Kar and kara are apocopated values of $g(k) \operatorname{arak}(g)$. On the
apocope of final g in Sumerian, cf. Leander, Ueber die Sumerischen Lehnwoerter im Assyrischen, p. 34. For the common apocope of a final a, cf. kida, kid; kara, kar, etc., Briinnow, List No. 7737 and 7738, etc. This same value, 乙. e. garak, seems to have been used also in connection with $G A R$ (No. 272). At least in two names the scribe used that sign for this value (cf. 140:8, and Z. A. VIII, p. 387).
6. The sign $D A Q Q U$ (cf. Xzgn List No. 17), according to Vokabular K. No. 77 ff.in Delitzsch, Ass. Les. ${ }^{3 \prime}$ ' has the value is, si, xa-a, etc. (cf. Brünnow, List No. 5224 ff ). The sign having a phonetic value occurs a number of times in the names: Shagarakti-Shuriash and Bitiliash, but in this connection it must have the value $i a$; as these names end in ia-ash and ia-shu respectively, and not in i-ash and $i$-shu (cf. also the name Ba-bi-ia, XIV, 95:11). I therefore propose $\imath a$ as an additional value for this sign. It occurred to me that the scribe in writing the Vokabular may have failed to add an additional wedge to the character, read $s \ell$, which would then be ia. Through the kindness of Dr. L. W. King of the British Museum I learn that the reading $s i$ on the tablet is quite certain. The idea suggested itself to me also that the characters read xa-a might perhaps be $a-a$. Dr. King informs me that while the characters have been filled up with gypsum, which has not been very carefully removed, he thinks the sign is $z a$ and not $a-a$.
7. In the Neo-Babylonian Contract literature the name of an officer which occurs frequently is written $S H I M$ with $G A R$ inserted. Tallqvist placed the character among those of uncertain reading (cf. Die Sprache der Contracte Nabû-nâ'id, p. 147). This officer figures very prominently in these texts. For the different variants of the character see Sign Lzst No. 121. For the reading of the sign I propose riqqu. The character SHIM has long since been read nqqu (cf. Delitzsch Ass. Les. No. 140). Thureau Dangin in his Ecriture Cunéiforme, gives besides SHIM (No. 393), its gunu (No. 395); with GAR inserted (No. 399), and a gunu of it (No. 400). The variants of the sign in question in these texts seem to have the characteristics of all four. In the Neo-Babylonian period an officer ${ }^{{ }^{h} r a b}$ riq-qi is frequently mentioned (cf. Nbn. 317:7, 10, etc.). In Nbn. 1038:6, RIK ${ }^{p l}$ occurs. These officers figure in the payrolls of the temple attaches (cf. $12 \frac{1}{2}$ shiqlu a-na RIK ${ }^{\text {coll }}$ sha Bêt-Bêlit Sippara, Nbn. 604; 10). In Cyr. 332:19 an officer riq-qi-u-tu appears; and in Nbn. 864: 13, RIK with GAR inserted is followed by $u$-tu, showing that the plural formation is the same. In $h b n$. 317, dates are paid for the service of fifty men, among whom are the ${ }^{k} q i-i-p i$ and ${ }^{{ }^{h}}$ rab rq-qn. In Nbn. 976 the officers $R I K^{p l}$ with $G A R$ inserted, also figure in the payment for service made to different officers among whom is the " $q z-i-p i$. While there does not seem to be conclusive evidence that the reading rqqqu for the sign in question is absolutely certain, it seems to me highly probable that such is the case.
8. The character GUD (Sign. List No. 123) which occurs in the name read Bêl-mu-she-tiq(?) in Vol. XV (cf. also C. B. M. 3473, etc.) in the absence of any other value I have read tig(?), simply because of the frequency of the occurrence of this element in names of other periods (cf. also zib, however, in mushezib).
9. For the character $L A$ in the name Sin-LA-billi (cf. Vols. XIV and XV), I propose the new value nasâhu "to pull out." The name Sin-u-suh-bilti, "Sin deliver the offspring," occurs during the same reign in which the above is found. LA has the value haşbu (cf. Brünnow and Meissner Lzst). C'f. "to hew out," which is similar in meaning to nâsahu. The name might he read Sin-háṣibu-bilti "'Sin delivers offspring,' but in view of the fact that Sin-usuhbilti occurs in the same period, and that the sign seems to have a similar meaning in hasâbu, I have read the names as identical, and propose for $L A$ the new value nasâhu.
10. The character $B A L$ (cf. the variant of So. 5 in Sign List) has together with BUL (No. 4a Sign List), the value pashâru. The name Ilu-ippashra (BAL-ra) C. B. M. 3644, is written with BUL-ra in C. B. M. 3647. This conclusion seems to be strengthened by the fact that these two signs have other values in common, (cf. bul, pul and dabâbu).
11. The character KIT, LIL (No. 104 Sign List) has besides the value sah and sih, the value suh, which as far as I know, has not been found (cf. the name Sin-$u$-suh-bil-ti, XIV, 151, 22, 28, with Sin-u-su-uh-bil-ti, 19: 11).

## TRANSLATIONS OF SELECTED TEXTS.

Following the plan of the previous volumes issued in this series in giving the transliteration and translation of a number of selected texts, the following are offered, in addition to those translated in the Introduction in connection with the discussion of the contents of these documents, arid also in the critical notes in the following pages, in order to illustrate their general character. The translation of thirty additional documents from these archives will be found in Vol. XV. In view of the fact that a large number of the texts contain lists of personal names, all of which are to be found in the Concordance of Kames, and also that a great many of the tablets are similar in character it will scarcely be necessary at any time to translate all completely.

## 1.

No. 115, Kadashman-Bèl, year 1st.
Contents: A duplicate record of a loan, which contains the stipulation that after it is paid, the case containing the impressions of the debtor's seal shall be broken.

## Transliteration :

1. XCV gur CL qa IB-KID she'um GISH-BAR-GAL 2. sha ${ }^{m} I r i ̂ m-s h u-N I N-$ IB i-na mu-uh 3. ${ }^{m} B u-u n-n a-N I N-I B$ môr ${ }^{m} I n-n i-b i ~ 4$. SHE-BAR a-na ${ }^{m} I r i ̀ m-$ shu-NIN-IB i-nam-din-ma 5. ${ }^{\text {abnu}} k$ unulki-shu i-hi-ip-pi.

Translation :
Ninety-five $g u r$, one hundred and fifty $q a$ of $I B-R I D$ seed of the full tax due to Irimshu-NIN-IB, to be 'paid by Bunna-NINIB, son of Innibi. The barley he shall pay to Irimshu-NINIB, when his seal he shall break.

Then follow the names of four witnesses, and the scribe; the date and the words: Supur ${ }^{m}$ Marduk-nâdin-ahê SIX-A-XI ki-ma ${ }^{a b n u} k u n u k k i-s h u$. Gabri abnu duppu. "Thumb-mark of Marduk-nâdin-ahê, his brother (i. e. Bunna-NIN-IB) instead of his seal. A duplicate tablet." As it is a copy, the seal impression is not found on the document.

## 3.

So. 111, Kadashman-Turgu, year 14th, month Adar.
Contents: A receipt for a loan with the stipulation that it shall he paid on harvest day.

> Transliteration:

1. L gur she'um GIXH-BAR-GAL 2. i-na qât ${ }^{m}$ Bêl-zu-lu-ľ 3. ù ${ }^{m}$ Irîm-shu-NIN-IB 4. i-na bût karû sha Nippur ${ }^{k i}$ 5. ${ }^{n}$ Nergal-nâdin-ahêe 6. mâr ${ }^{m}$ Sin-êrish $\begin{array}{llllll}\text { im-hur-ma } & \text { 7. a-na qin-na-a-ti } & \text { 8. i-di-in } & \text { 9. I-na Qmi ebûri KU } & \text { 10. is-si-ra-am- }\end{array}$ ma 1I. i-nam-din-ma 12. ${ }^{\text {abnu } k u m u k i-s h u ~} i-h i-i p-p i$

Translation:
Fifty $g u r$ of grain of the full tax from Bêl-zulûli and Irîmshu-NINIB out of the Nippur storehouse Nergal-nâdin-ahêe, the son of Sin-êrish has received, and given to families. On the day of harvest he shall gather, and shall pay; whereupon his seal he shall break.

Names of three witnesses and the date are added, besides: abnu Kunukku ${ }^{m}$ Nergal-nâdin-ahhê gab-ri ${ }^{a b n u} d u p p u$, "Seal of Nergal-nâdin-ahêe. Duplicate tablet."

## 3.

No 86, (envelopr) Nazi-Marutlash, vear 24th, Shebat 17th
Contents: A loan made to an individual and his servant by the order of another, who becomes responsible for its payment.

Annotations: No. 2, L. 9. KU having thr value $2 n a$ is a repetition of thr preposition which begins the phrase; cf. the following text, line 9, and also 967 , etc.

Transliteration:

1. V gur ASH-AN-NA hुubullu 2. GIXH-BAR-GAL 3. ı-na kar̂̂ Kar-ziban ${ }^{k i}$ 4. i-na qât ${ }^{m}$ Mar-tu-ku mâr ${ }^{m} I l u-i q \hat{s} s h a ~ 5 . ~ k i-i ~ q d t ~{ }^{m} N u s k u-r i-z u-\hat{u}-a \quad 6$. mâr ${ }^{m}$ Ri-di-i ${ }^{m}$ NIN-IB-aḩu-iddina 7 . mâr ${ }^{m}$ Mi-lu-ti ì ${ }^{m}$ Nusku-di-na-an-ni 8. arad-su im-hூu-ru 9. UD ebûri-KU 10. hubullu NI-AKA-E.

## Translation :

Five gur of ashnnna grain, at interest, out of the full tax, taken from the storehouse of the town Karziban, from the hand of Martuku, son of Ilu-iqîsha, by order of Nusku-rîsoa, son of Rid̂̀, NINIB-ahu-iddina, son of Miluti and Nusku-dînanni, his servant, have received. On the day of harvest with interest they shall measure.

Four witnesses and the date follow, besides: Supur ${ }^{m}$ NIN-IB-ahu-iddina sisiktu ${ }^{m} N u s k u-d i-n a-a n-n i$. "The thumb-nail mark of NINIB-ahu-iddina: the siszlctu of Nusku-dînanni." On the left end of the tablet are seen seven thumbnail marks; and on the lower left end, there is a small hole made by the sissiktu (see p. 13).
4.

No. 48, Nazi-Maruttash, year 5th, Iyyar
Contents: An inventory of sheep and goats which were rented to an individual. They were doubtless temple property as no creditor is mentioned.

Transliteration:

1. XLVII immeru 2. XXVIII lahru rabîtu 3. VII buĥâdu NIM 4. VII buhattu NIM 5. naphar LXXXIX ṣ̂nê(UD) coll pl 6. XXXIV urṭsu rabû 7. XXXI enzu 8. VII urîṣu ṣihru 9. un̂̂qu 10. naphar LXXX enzu coll 11. naphar CLXIX GANAM-LU ${ }^{\text {coll }}$ 12. [CLX]IX shiqlu shipâtu ${ }^{\text {coll } I \text { immeru I shiqlu } 14 .}$ XLIV $\frac{1}{2}$ mana shipâtucoll 15.X X mana shipâtu enzu 16. qât ${ }^{m}$ Rabâ(-a)-sha-NIN-IB 17. naphar mashku ga-ab-bi-shu ú-sha-ak-ka-al 18. ${ }^{\text {shîıu } g \hat{\imath} d \hat{a} t u(S A) ~ s h \hat{u}}$ "shaman immeri II mashku urîṣu damyu 19. I ṣubâtu damqu i-nam-di-in (date).
[^14]
## Translation :

Forty-seven sheep (male), twenty-eight large females, seven suckling lambs (male), seven suckling females. Total, eighty-nine sheep. Thirty-four large goats (male), thirty-one females, seven male kids, eight female kids. Total, eighty goats. Sum total, one hundred and sixty-nine Kleinvieh. (For) [one hundred and sixty-nine] sheqels of wool: (i.e. for) one sheep, one sheqel; forty-four and onehalf minas of wool: twenty minas of goat wool, they are at the disposal of Rabâ-sha-Ninib. The total of all his hides he shall weigh; sinews and fat of sheep; two perfect goat hides; one perfect garment, he shall pay. (Date).

## 5.

No 20, Kuri-Galzu, vear 14th, Iyar 14th.
Contents: A receipt, or record of payment.

## Transliteration :

1. II gur ASH-AN-NA GISH-BAR,. qa 2. i-na qât ${ }^{m} H u-u n-n u-b i \quad$ 3. '"Ram-mân-ra-im-zêr 4. im-hुu-ur (Date).

## Translation :

Two gur of ashanna grain of the ,. qa tax, Rammân-râ'im-zêr hats received from Hunnubi. (Date).

## 6.

No. 36, Kuri-Galzu, vear 22d, Marchesvan 19th.
Contents: A receipt for grain which was paid by order of another
Transliteration :

1. XXXVI qa kipâtu GISH-BARV qa 2. i-nu Bît ${ }^{m} I n-n a-a n-n i ~ 3 . ~ i-n a ~ q a ̂ t ~$ ${ }^{m}$ Mar-tu-ku 4. ki-i qât ${ }^{m}$ NINIB-rêsh 5. mâr ${ }^{m}$ Marduk-nâdin-ahêe 6. ${ }^{m}$ Ta-ri-bu 7. mbr ${ }^{m}$ E-kur-da-ri 8. im-hu-ur (Date).

Translation:
Thirty-six qa of kipâtu of the five qa tax from Bît-Innannu, from the hand of Martuku, by order of Ninib-rêsh, son of Marduk-nâdin-ahê, T'âribu, son of Ekurdâri has received. (Date).
7.

No. 67, Nazi-Maruttash, year 15th, Ah 3rd
Contents: A receipt for a certain kind of material.

## Transliteration:

\author{

1. VI mana shindu(SU-SHE-TU) 2. $a-n u^{-i s u} d a l t i ~ 3 . ~ s h a ~ " ~ R i-m u-t i ~ 4 . ~ ' ~ M u-~$ da-mi-qu 5. im-hur (Date).
}

Translation :
Six minas of worked wood(?), for the door of Rîmûti, Mudamiqu has received. (Date),

## 8.

No. 84, Nazi-Maruttash, year 24, Tishri 5th.

## Contents: Payment to a miller for grinding flour.

## Transliteration:

1. IV (gur) she'um GISH-BAR VI qa. 2. i-na Bît ${ }^{m} N I N-I B-m \hat{r}-$-idinna 3. i-na qât ${ }^{m}$ E-ri-im-shu-úa 4. a-na KU-QAR hashâli qîme 5. ${ }^{m}$ NIN-IB-na-ṣir 6. ma-hi-ir. (Date).

## Translation :

Four $g u r$ of seed of the six $q a$ tax from the estate Bit-Ninib-mâr-iddina, from the hand of Erîmshûa, as compensation for grinding flour, Ninib-nâsir has received. (Date).

## 9.

No 93, Kadashman-Turgu, Year 6th, Iyar 16th
Contents: An official receives grain for the purpose of paying maintenance expenses and salaries.

Annotations: No. 7, L. i. Shindu(SU-SME-TU) was perhaps a certain kind of wood. In thr above test it is a-no isudalti; and in $74: 2$, it is a-naisuirshu. The meaning "ornament" given by Muss-Arnolt. Ass. Dic. p. 1072 is incorrect. The transliteration in Z. A. IIT, p. 320 reads: shi-in-du, which is translated "Schmuck," but shindu is a mistake as the text reads: si-in-du. In the Neo-Babylonian texts, shindu is usually given to the nangaru"carpenter," cf. Nbk. 222: 3, 128:2, 126:4; Nbn. 416:4, etc. In text No. 71 it is also given to a nangaru. In V.R. 27, 6c.f shindu is followed by shîbu and liru which mean 'border" and "covering', respectively. The term refers doubtless to some kind of worked or artistic wood which was sold by weight.

Annotations: No. 8, L. 4. $K U-Q A R$ is the term throughout these texts which is used in connection with the payment of salaries, especially of the riqqu and the KA-ZID-DA officers, cf. Translation So. 16; XTV, 56a: 7, 8 ctc. Tho heading of XV, 153, reads: SHE-BAR GISH-BAR-GAL sha a-na Ïli-QAR riqqu u KA-ZID-DA a-na Nippuriki mbu-ra-huish-shu-u'Barley for the full tax which Burahu brought to Nippur for the salary of the riggu and the $K A-Z I D-D A$ officers." In $92: 4$ a scribe receives $K U-Q A R$. This term at the same time had a wider usage In the above text and in XV, 77, a miller is paid $K U-Q A R$ lor grinding flour. In XV, 21, it is paid as hire for an irrigating machine, etc. In the Neo-Babylonian period pappasu "payment" or "compensation," is usually mentioned as payment made to the riqqu officers; cf. $N b n$. $129: 4 ; 219: 1 ; 864: \mathbf{3}$, etc. It seems to be quite probable that pappasu, which is rarely used in these tests (cf. XV, 44:23), is the Semitic reading for $K U-Q A R$. In the Harran Census the term $K U-Q A R$ follows sênê, which Johns (D. B. pp. 65 and 18) suggests is an epithet for sheep.

## Transliteration :


#### Abstract

1. XX gur she'um GIXH-BAR tab-ki 2. i-na Za-rat-Dûr-Gu-la ${ }^{k i i}$ 3. i-na qât ${ }^{m}$ Mar-tu-ki 4. ${ }^{m}$ Rabâ-sha-Nergal im-hu-ur 5. ipru ѝ $K U-Q A R$ i-nam-din-ma 6. nikasu u-she-pi-ish. (Date).


## Translation :

Twenty gur of seed of the stored tax (grain) from the town Zarat-Dur-Gula, Rabâ-sha-Nergal has received from the hand of Martuku. The maintenance expenses and salaries he shall pay, arid he shall transact the business. (Date).
10.

No. 70, Nazi-Maruttash, year 16th.
Contents: A record of the payment of an official's salary which was given an agent for delivery.

## Transliteration :

1. III gur XVII qa qîme GISH-BAR VI qa 2. ak-lum ${ }^{m}$ Sin-mu-bal-li 3. ${ }^{3 l u} I r-$ ri-iki 4. ${ }^{\text {arku }}$ Kislîmu 5. ullu ûmu $X I X^{k a n}$ adi ûmu $X X X^{k a n}$ (Date). Kunukku ${ }^{m}$ Ri-mu-tum.

## Translation :

Three gur, seventeen $q a$ of flour out of the six $q a$ tax as salary for Sin-muballi of the town $\operatorname{Irr} \hat{\imath}$, (for) the month Kislev, from the 19th day, until the 30th. Seal of Rîmûtum.

Annotations: No. 9, L. 5. SHE-BA or ipru which means "maintenance" or "substance," is what was paid for the general maintenance of the city and temple, cf. ana ipru Nippurki í Dûr-Kuri-Gaizu, XV, 26:3; or anaipru sha ardiekalli "for maintenance of the teiiiple servant," XV, 84. The ordinary usage of the term in these tests is in connection with the payments made to the average craftsman, or temple attache. The distinction we make between salary and wages they seem to have made. The terms aklum and $K U-Q A R$, mean "salary," while ipu would correspond to the term "wages." Generally it is much smaller than the amount paid under tlic term $K U-Q A R$. In XIV, $56 a$, it is also paid to the riqqu and the $K A-Z I D-D A$ officer, as well as lo the soldier. In XIV, 167: 27, the entry, ipru ì kurmat alpê would seem to mean that it was for the hire and board of oxen.

Annotations: No. Io, L. 2. Akium, literally "food,' is the teriii used for the salary of the head officials of the storehouse, such as Innannu, arid Martuku. A great many small tablets record the payment of these salaries. On quite a number of these records, the seal impression of another is found, see p. 14. There is also a wider usage of the term cf. XIV, 133, where ginht "offering"' and niq $\hat{u}$ 'sacrifice" are summed up as aklum. In XIV, 167: 1, aklum is given to an individual to make offerings to shrines (e, g. parakku Bê); to pay wages (ipru); to give kurmatu to the temple, Cor oxen, sheep, etc., and to pay for hargal $\hat{u}$, and for the making of ships ( $a$-na e-pish isuelippó). The term hargal̂̂ occurs quite frequently in these tests. In XV, 109, the payment: II gur kurmat alpu is paid an individual who gets also $I$ gur hargal̂̂. In XV, 156, hargal $\hat{u}$, together with qitme, head columms of payments. In XV, 46, the payment $L X X I I$ qa $I B-K I D$ kipâtu is preceded by $I$ gur $I B-K I D$ bargalû. Cf. also C. B. M. 3362 : CL qa qtme i-na-libbi har-ga-lu-u sha Bît mSi-li 96 qa SHE-BAR i-na Bit mIn-na-ni GISH-BAR YI qa i-nu qât mMar-tu-ku Mar$m$ Tab-a-shab-shu KA-ZID-DA ma-hi-ir. The passages would indicate that hargal $\hat{u}$ was some kind of a commodity or product. In XV, 52:26, it follows payments of $K U-Q A R$ "salary," with which it is summed up under that term
11.

No. 85, Nazi-Maruttash, year 24th, Kislev.
Contents : Record of the payment of an official's salary, which was delivered at his residence by another.

## Transliteration :

1. I (gur) LIV qa qtme GISH-BAR IV qa 2. ak-lum a-sha-bu 3. qât ${ }^{m} T a-r i-$ bi KA-ZID-DA 4. ishtu ûmu $I^{k a n}$ 5. adz $\hat{\text { unm }}$ VI $I^{k a n}$ 6. ${ }^{\text {urbu }}$ Kislîmu shattu XXIV ${ }^{k a n}$ 7. Na-zi-Ma-ru-ut-ta-ash LUGAL-E 8. Kunukki ${ }^{m}$ NIN-IB-kîn-p̂̂shu.

## Translation :

One (gur), fifty-four $q a$ of flour, of the four $q a$ tax, (delivered at the) residence to Târibu, the KA-ZID-DA officer, as salary, from the 1 st until the 6th of Kislev, of the 24th year of Nazi-Maruttash, king. Seal of Ninib-kîn-pîshu.
12.

So 56, Nazi-Maruttash, ycar 12th, Adar
Contents : Record of the payment of an official's salary who was, perhaps, in absentia.

## Transliteration :

1. XXVIII gur CXXXVIII qa she'um GISH-BAR $V$ qa 2. V gur $X X$ qa qtme 3. XV kurunnu 4. XXI‘ BI-USH 5. XVII karpatu rab̂̂ 6. V immeru 7. VI buhâdu 8. ${ }^{m}$ Mar-tu-ku 9. a-rad sharri 10. ù la $a$-sha-bu (Date).

Translation :
Twenty-eight $g u r$, one hundred arid thirty-eight $q a$ of grain of the five $q a$ tax, five $g u r$, twenty $q a$ of flour, fifteen (jars of) old wine, twenty-five (jars of) new wine, seventeen large jars, five sheep, six lambs (as salary for) Martuku, the servant of the king, when he was in absentia. (Date).
In C. B. M. 3102, the heading reads: Qime GISII-BAR VI qa sha i-nn libbi bar-ga-li-i sha D $\hat{u}$ r-Nuskuki mRabat-shaNINIB a-na KIN-SIG nadnu(-nu). "Flour of the G qa tas out of tlic hargalû from D $\hat{u}-$-Nusku which Rabâ-shaNINIB has paid for KIN-SIG. (Cf. also XIV, 158). Cf. the similar phrase XIV, 57: She'um GISH-BAR VI qa sha i-na libbi te-li-ti sha shattu XIIkan; Na-zi-Mu-ru-ut-ta-ash i-na Za-rat-IMhi a-na ishshakhucoll nadnu(-nu). Cf. also XV, 106: She'um sha $i$-nalibbimash-shar-ti i-na aluKal-bi-iaki i-nn GISH-BAR-GAL nadnu(-nu). In these passages têlitu "crops" or "tar," arid mashshartu"stipend" take the place of hargal̂h. Is the word to be associated with the Hebrew $\mathrm{H}_{\mathrm{h}}$ "locust," a delicacy in the ancient as well ns in the modern periods of the history of the East? It seems, however, to have also a general meaning something like "revenue" or "tax."

Annotations: No. If, L. 2. In connection with these brief records, many of which do not contain a verb, $a$-sha-bu (cf. above), and la $a-s h a-b u$ (cf. XV, 64), occur. The commodities were delivered very likely, as a rule, at the official'sresidence, to which fact, doubtless, ashabu refers. When they mere disposed of otherwise, the term la ashâbu may have been used. Another explanation might be that the goods were delivered when the official was in presentia, or in absentia.

DATED IN THE REIGNS OF CASSITE RULERS.

## 13.

No. 29, Kuri-Galzu, year 18th, Kislev 16th.
Contents : Record of the payment of an officer's salary by the bursar.
Transliteration :

1. II gur KU-QARGISH-BAR-GAL $\quad$ 2. i-na P̂̂-nâri (ID-DA) ${ }^{\text {aluki }}$ 3. i-nn qât ${ }^{m}$ In-na-an-mı 4. ${ }^{m}$ Ri-gim-Rammân 5. ${ }^{\text {riqiqqu 6. ma-hi-ir (Date). }}$

## Translation :

Two gur of salary (grain) of the full tax from Pî-nâri, Rigim-Rammân, the riqqu officer, has received from Innannu. (Date).
14.

No. 45, Nazi-Maruttash, year 3rd, Tammuz 16th.
Contents : Record of a payment to an official by the bursar of the storehouse.
Transliteration:

1. VI qa bu-tu-ut-tum 2. XXIV qa kipâtu GISH-BAR VI qa 3. ${ }^{m} K u-r^{\prime} u-u$ SIS-A-NI 4. ${ }^{m}$ Ri-ish-tu-shu KA-ZID-DA 5. i-na qât ${ }^{m} M a r-t u-k i ~ 6 . ~ m a-h i-i r . ~$ (Date).

## Translation :

Six qa of bututtum, twenty-four qa kipâtu, of the six qa tax, Kur $\hat{u}$, the brother of Rêshtushu, the KA-ZID-DA officer, has received from Martuku. (Date).

Annotations: No. 14, L. i. In the syllabary published by Dr. Pinches, Journal of the Royal A siatic Society, Oct. 1905, p. 815 f., $A S H-A-N A$ (which is the writing usually found in the late period for $A S H-A N-N A$, see Sign List in my Murash $\hat{u}$ texts, Vol. X, cf. however, $A S H-A-A N$, XV, 168:22), has the values ku-na-shu, lu-t?u-ut-tum and $d i$-shi-ib-tah-hu. In these texts bututtu, but riot with $t$, is found several times in texts dealing with ASII-AA-NA, cf. XIV, 77: I gur XXY qa ASH-AN-NA GISH-BAR VI qa sha i-na libbi sha aluZa-rat-Dûr-Gu-la a-nabu-tu-ul-ti ha-ash-la-ma a-na A-BI nadnu(-nu). Cf. also XV, 53:11: XC qa qime ASH-AN-NA GISH-BAR-GAL sha bit ku-nu-uk-ki a-na Nippurki ish-shu-u LXXII qa qime XXXVI qa bu-tu-ut-turn, etc. In SIT', 45, bututtim nlso looks like a cereal. It reads: XII qa bu-tu-ut-turn XXII' qa kipâtu GISH-BAR VI qamKu-ru- $\hat{u}$ ah-A-NI mRi-qsh-tu-shu KA-ZIDDA i-na qat mMar-tu-ki ma-hi-ir (Date). In view of these passages it is reasonable to suggest tlint thr bututum of the syllabary, published by Pinches, is to be regarded as identical with our buttutum. Cf. also bu-tu-ut-tum, Murasĥ̂, B. E. Vol. IS.59: 1.

Contents: The payment of grain and dates as temple slipends for twelve months.




The first six columns give the payments for the first six months. In the seventh, the total (naphar) for the first half year is given. In the fourteenth column the amount for the second half year is recorded. The sum total for the year is found in the fifteenth column. In the sixteenth, at the top of which is the word $a$-ui-lu-tum " men," the stage in life of the individual is indicated, as well as the relation of the recipient to the head of the family. KAL(zikaru) means" man'" or" adult;" $S A L$, or the feminine determinative, ''woman;'' KAL-TUR, or batûlu,'‘ adult son;'" SAL-TUR (perhaps batâltu) "adult daughter;" KAL-T UR-TUR, "adult grandson:" $T U R-G A B$ "boy"; SAL-TUR-GAL? "girl." In this column are found also the words: BAD (m̂̂tu) "dead," and HA-A (halqu) "fugitive". No amounts are given in connection with the names before which these terms are written. On all these prefixes cf. Vol. XV, p. 6. At the top of the last column, $M U-B I-m^{1}$ means "their (his) name(s)."

In a number of instances the office represented by the individual follows the name. It will be noticed that different members of the same family are mentioned. Idînanni-Shamash (line 5), for example is followed by a wife, daughter, two sons and a grandson. In line 8, following the name is written ultu arlut Tashrîtu harrânu, 'from Tishri, road'. Nothing was paid the individual from that month on. The conclusion is that the phrase means that from that time the person was on a mission; or perhaps had leave of absence. We may have been sent on an errand in the interest of the temple. Others, cf. line 13,43 , etc., were absent during the entire year,

The translation of the line written beneath the names of the months, and referring to the first six, is : "That which was received from Hunabi." In connection with the second half is written : "That which was received from the gate (storehouse) from the grain of the town Zarat-IM, also dates.'

In the 47th line the totals are given. In the first column, the amount paid in Nisan, viz. five $g u r$ eighteen $q a$. In the seventh column, the total for the six months is given; in the fourteenth, the total for the second half of the year; and in the fifteenth column, the sum total. The number 38 in the next column which contains the prefixes to the names, refers to the actual number in the service. There are in all forty-six names in the list, but eight are dead, or are fugitives, which leaves

[^15]the number thirty-eight'. Beneath the total for the first half of the year is written: "That which is out of the seed, which was given Hunabi." In connection with the total for the second half is written: "That which is from the seed of the gate (storehouse) from the grain of the town Zarat-IM, and dates from Tâmtu." The last two lines read: "Grain of the six $q a$ tax which is from the month Nisan, of the thirteenth year, unto Adar, of the thirteenth year of Nazi-Marultash; from the seed which was given into the hand of Hunabi; from the grain of the gate (store house) : out of the seed from Zarat-IM; and dates from Tâmtu.', Hunabi doubtless was the bursar or paymaster, and the document is a record of his disbursements as well as the sources from which the revenues were received.
16.

No. 60, Nazi-Maruttash, year 14th, Tishri 3rd.

## Contents: Payment of salaries.

## Transliteration:

1. She'um GISH-BAR-GAL sha i-na Irṣit ${ }^{m} G a-i r^{k i}$
2. i-na libbr sha ${ }^{m}$ Bêl-mu-kin-aplu nadnu (-nu)
3. IV (gur) KU-QAR ${ }^{m} B u$-ub-bu riqqu
4. $V$ (gur) $\hat{u} \quad{ }^{m} Q i-s h a-a h-b u-u t$ riqqu
5. III (gur) ${ }^{m} U$-gi-shi-ia-Sah KA-ZID-DA
6. $I I$ (gur) CXX qa kurmat urâta ${ }^{p l}(-t a)$
7. II (gur) ri-mu-tum Mâr-m ${ }^{m}$ hbu-DU-kan ishparu
8. CVIII qa ipru ${ }^{m}$ Sin-mu-shab-shi ishtu arlıu Abu adi arbu Tashrîtu
9. CVIII qa ipru ${ }^{m}$ Ip-pa-Bu-ri-ia-ash ishtu $\hat{u}$ adi $\hat{u}$
10. I (gur) XLVII qa ipru qin-ni ${ }^{m} I d a ̂ n n i(-n i)$-Shamash

Annotations: No. 16,L. 6. Kurmatu "food" or "feed," is usually paid the farmer (XIV, 56a), the soldier (XIV, 56a:), and for the maintenance of horses, cattle, and birds (XIV 167:21). Because of the phonetic. complement la I have transliterated imêru( $K U R-R A) p l-t a=$ writa. Note that in text No. 62, which is similar to this document kurku (KUR-(GI-HU) takes the place of these animals. In Jeremias, Culustafel von Sippar Col. V: 8, Xurmat is paid the priest. L. 7. Rimutum is another term under which payments are made. Tn No. XIV, GO, the riqqu and KA$Z I D-D A$ receive $K U-Q A R$; the horses, kurmat, the temple attaches, $i p r u$; and a weaver rimutum. XIV, 62 is similar, but a different weaver receives the rimutun. In relation to the other terms rimutum is about half as much as the $K U-Q A R$, and double the amount of ipru. In XIV, 61, an official gets aklum, and a pitù "keeper" gets rimitum. In SIV, 79, a pottsr is paid ipru, while a gardener is paid tho sıme amount, of rimûtum. In S V, 19, KU-MUN(?) and $K U-Q A R$ are paid in the same list with the same amount of rimutu $n$ to a nangaru and akisirun. In XIV, 61 it is paid a pit $\hat{u}$, alongside of a payment of rent, with which it is summed up as $a k \cdot u \cdot n$. Cf. also XIV, 167. Rimítum, doubtless means a "grant'", perhaps originally a "gratuity." Cf. the name Nab̂̀-ahu-rîmanni, "Nabut grant me a brother." Professor Hinke has arrived at the same conclusion in studying boundary stones. He has called my attention to a passage in O. B. I., No. 149, whi h reads: XXII gur sheuzêru ....a-di II sheuzê tu ri-mul mSin-bêl-ilànt ''22 gur seedfield.... including 2 gur seedfield, the grant of Sin-bél-ilàni.
11. CVII qa
12. CVIII qa
13. I gur
14. CXXVI qa
15. LXXII qa.
16. LXXXIV qa
ipru ${ }^{m}$ A-na- ${ }^{d}$ She-mi-i-at-kal
ipru ${ }^{m} U$-gi-shi-ia-Sah
ipru qin-ni ${ }^{i}$ Ishtar-be-li-us-ri
ipru qin-ni ${ }^{b}$ Bêlti-balâtu-êrish
ipru ${ }^{i} M i$-sha-ri-tum
ipru qin-ni ${ }^{\text {I }}$ I-na-Ak-ka-di-ra-bat
17. I gur LXXXIII qa ipru qin-ni "A-bu-ush-ki
18. naphar XXIV gur LIX qa she-um nadnu(-nu) II gur LXVI qa IB-KID
19.
qât ${ }^{m} M \hat{r}$-Rammân
20. ${ }^{\text {arbu }}$ Tashrîtu $\hat{u} m u ~ I I I^{k a n}$ shattu XIV $V^{k a n} N a-z i-M u-r u-t a-a s h$

This text contains payments made to the same persons, with a few exceptions, as in the previous text. The difference is that only the heads of families are mentioned. Instead of giving the name of each member of the family, as in the previous text, the word qinni "family" precedes the name of the pater or mater familias. After two of the names the following is written: ${ }^{a r b u} A b u$ adi ${ }^{a r b u} T a s h r i t u$ "from the month Ab until Tishri." In the light of the previous text, this does not mean literally three months, but very likely one and one half months, which is determined by a comparison of the amounts paid in this with those of the previous text. The total (naphar) is six $\mathbf{\rho}$ less than what the separate amounts equal; hence the scribe has made a mistake in his calculations.
17.

No. 41, Nazi-Maruttash, year 1st, Sivan.
Contents: A decision rendered, in which an individual is required to make good the loss of a crop, inasmuch as he failed to replace at a certain time an ox which he had borrowed, and whose leg he had broken.

## Transliteration :

1. alpu ri-it-tı i-na qât** ${ }^{\prime \prime} B e-l a-n i ~ 2 . m a ̂ r ~{ }^{m d} I B-B A-a m e ̂ l-u b a l l i t{ }^{m} I q \hat{\imath} s h a-B e ̂ l$ 3. mâr ${ }^{m}$ Hash-ma-Har-be a-na shu-li-i im-hुur-ma 4. ku-ri-is-su ish-bi-ir-ma 5.
 e-ri-sha la tu-sha-ah-da-an-ni 8. ${ }^{m}$ Iqisha-Bêl a-na "Be-Ea-ni 9. ki-a-am iq-bi alpu ${ }^{\text {åku }} \mathrm{Abu}$ 10. a-nam-din-na-a-ku ${ }^{m}$ Iqîsha-Bêl 1I. alpu i-na ${ }^{\text {arlıu }} \mathrm{Abu}$ a-nu "Be-la-ni 12. ul i-ta-di-im-ma 13. ${ }^{m}$ Iq̂̂sha-Bêl te-li-it eqli 14. "Be-la-nui-ta-nap-pal.

Annotations: No. 17, L. 4. Ku-ri-is-su may be some other part of the animal, for example the horn, but more likely the "leg": cf. kursinnu, Delitzsch, H.W.B. p. 355a. On the penalty for breaking the leg of a hired animal etc. see the Code of Hammurabi, No. 246 ff .

## Translation:

One pasture ox $I q \hat{q} s h a-B \hat{l} l$, son of $H$ Hashma- $\boldsymbol{H} a r b a$, received from Bêlânu, son of Ibba-amêl-uballit for farming; and he broke his leg; whereupon Bêlânu thus spoke to Iqîsha-Bêl: An ox bring that I may plant in the field, (so that) a planting thou shalt not cause me to miss. Iqîsha-Bêl thus spoke to Bêlânu: An ox in the month Ab I will give thee. Iqîsha-Bêl in Ab did not give the ox to Bêlônu: wherefore, Iq̂̂sha-Bêl shall make good to Bêlânu the crop of the field.

The names of two witnesses and the date follow. Three thumbnail marks were made on the left edge of the tablet.

## 18.

No. 135, Shagarakti-Shuriash, year 6th, Tammu 9th.
Contents: An agreement to assume a debt for which a priest was imprisoned.

## Transliteration:

1. "Mi-na-a-e-gu-a-na-Shamash 2. mâr ${ }^{m}$ Sal-li-lu-mur ishshakku 3. i-na kili ${ }^{m}$ Amêl-Marduk bêli-shu 4. ik-la-shu-ma ${ }^{m}$ Arkât-Nergal 5. mâr ${ }^{m}$ Ardu-nu-bat-ti 6. bu-us-su im-ha-az-ma 7. $u$-she-ṣi-shu 8 . XIII $\frac{1}{3}$ shiqlu hurûṣu i-liq[qa]-ma 9. a-na ${ }^{m}$ Marduk-ri-su-ú-a 10. i-nam-din 11. ̀ "Mi-na-a-e-yu-ana-Xhamash 12. ̀ ........ 13. DAM-A-NI 14. i-liq-qa-am-ma 15. a-na ${ }^{m}$ Amêl-Marduk 16. i-nam-din.

## Translation:

Minâ-êgu-ana-Shamash, son of Salli-lûmur, the preist, Amêl-Marduk, his lord, put him in prison; and Arkât-Nergal, son of Ardu-nubatti made an agreement, and brought him forth. Thirteen and one-third sheqels of gold he shall take, and pay to Marduk-r̂̂soa (the jailer, or his agent) ; whereupon Minâ-êgu-ana-Shamash, and $\ldots . .$. . his wife, he shall take, and to Amêl-Marduk shall pay. (i.e. through the agency of Marduk-rîsoa). The date is followed by : Supur ${ }^{m}$ Arkât-Nergal ki-ma ${ }^{a b n u} k u n u k k i-s h u$. "The thumb-nail mark of Arkât-Nergal like his seal." On the left edge of the tablet six thumb-nail marks are seen.

## CONCORDANCE OF PROPER NAMES.

## Abbreviations.

b., brothrr; ef., confer, l., daughter; f., father; f., following page; fr., following pages: hu., husband; 1. c., loco citato, m., master (employer); mo., mother; s., son; sc., scribe; si., sister, w., wife.

Determinatives d., deus, dea; f., femina; 1., homo (amêlu); mı., mas; pl., plural Women's names in the list of masculine names arc preceded by the determinative $f$ Men's names in the list of women's nanes are procrded by the determinative $m$. [ ] = text restored. The numbers refer to the cunciform texts of the autograph plates C. B. M., refors to the Catalogue of the Babylonian and General Semitic Section, of the Archeclogical Muscum, of the University of Pennstlvania. E. A. H., refers to the E. A. Hoffman Collection, in the Gencral Theologieal Seminary, New York City. The interpretation of a large number of the names of this list mill be found in the Proper Name Concordance of Vol XV, which was prepared bcfore this volume.

## I. Names of Persons.

## 1. Maseutine Names.

A-ba-tâbi(HI-GA)-bi.., Marr- 33: 8.
A-ba-ul-i-di, 57: 13.
Ab-bu-ni, f. of NINIB-dannu(?) 117b: 8 .
Ab-da-da-nu, 57: 17.
A-bi-ia, f. of Bêlit-shashqi, 91a: 52.
A-bi-ia-u-titi, 26: 4.
A-bi-en-shi, Mar-, 68: $2 \mid 04$ : 6, 11 .
A-bi-iddina(SE-na).

1. ishparu, 60: 11| 62: 11.
2. 58:46|91a: 11.

A-bu-ush-ki.

1. BIR-SHI-LUM, hu. of IUsiia, f. of Piziziani,fUri, iRammân-nada, 58:34.
2. $60: 17 \mid 62: 6$.

A-da-gal-pa-ni-ili, s. of Bâbiliki 1:5, 14,31.
A-da-gal-pa-an-Marduk, NU-GIS-SAR, 79: 8.
A-da-ai- $\hat{i}-t u m(t u)$ (cf. Ada of Vol. XV), KAL-, 14:3| 142: 17.
A-da-la-hili), (cf. Sin-adalal, Ranke P.N.)

1. s. of Adalulu, 95:12.
2. f. of Rîmûtu-Gula, 95: 8, 12.
$\operatorname{Adi}(E N)$-mati-Marduk, (or Bél-mâti-Marduk), 8:9, 26.
Ag $(a k)$-ba-ri, f. of $A b u$-banni, 10: 43.
A-gi-ia, f. of NINIB-naldin-shum, 114: 15.
A.-hi-iu-û-tu, f. of Kidin-Sin, 19:62.

A-hi (Ahi)-du-tum

1. s. of Sin-îrish, 86:14.
2. $73: 38|102: 3| 120: 8 \mid 132: 39,50$.

A-hi-sir-ra......, 120:16.
Abu-î-a . ..., f. of Nûr-Shuqamuna, 119:32.
A $h u-a q-r u$, b. of 'Taqt̂shu and Târibu, 138:15.
A-bुu-u-a-li-i, "My brother is my streiigth," Mar-, 133:2.
Abu-ba-ni(bâni, KAK)

1. s. of Agbari, 10:43.
2. s. of Shirishti-Bel, 112:16.
3. f. of Rammân-dajân, 19:20.
4. $6: 2|23: 9| 56 a: 25$.

Ahu-DU-kan (perhaps Ahu-ukán, cf. U-ka-an, Vol. SV).
Mâr-, ishparu, 60:7|91a: 24, 46, 53.
Ahu-iddina(SE-na)-Marduk

1. s. of Erba-Amma, 25: 13.
2. 10:26.

A-h $u-n i-e-a$,

1. s. of A shtarash, 56a: 21.
2. buสựnu, 99a: 39.
3. 114b: 9 .

Abu-na-tu, 69: 4.
A-hu-shi-na, 25: 12, 15, 23| 167: 11.
Ai-ri, Mar-73: 13|74:4.

## Masculine Names.

Al-si-shu(ish)-ab-lu-ut, s. of fllanûtum, hu. of iBêlthtum, ardu, 2: 2, 5.
A-mar-dNibeanu (dSI-MU-TU), Mâr-, 44: 4.
A mèl-Ba-nu-úu

1. Kashsh $\hat{u}, 99 a: 2,23$.
2. 91a: $26 \mid 167: 23$.

Amêl-Bèl, 110: 11.
Amél-Ishtar, f. of Mushtêshir-Marduk, 10:40.
A mêl-dKUR, 73: 16.
Amêl-KUR-GAR-RA (perhaps Amêl mätuGarrí), Mâr-, hpabaru, 118: 22.
Amêl-Marduk,

1. f. of Etil-p̂-Kubu, 40: 28.
2. f. of NINIB-nâsir and NINIB-nâdin-shum, 7:12, 25, 40.
3. TIG-EN-NA, 136:1.
4. $8: 28|16: 4| 118: 19|123 \mathrm{a}: 15| 125: 4 \mid 127: 3$ | 135: 3, 15| 137:27.
Amêl-Nannar(SISki), s. of Ili-báni, 37: 8.
Amêl-Ni-si-in, 128:7.
Amêl-Sin
5. s. of Rammân-rîzoa, 106:5.
6. f. of . . . bêl-mâru, 117s: 4.

A mi-la-ti, in Bit-Amilati, 154: 2.
Sin-mar-sha-ili, 91a: 28| 132:10.
Am-mar-sha-Rammân, 126:9.
A-na-ili-ia-at-kal, 152: 11.
A-na-ku ....ma.s, of Kiribti-Bêl, $11: 16$.
A-na-NIN-IB tak-la-ku, 19: 12.
A-na-nûr-Sin-lussu(UD-D)U), 5: 12.
A-na-dShe (Shi)-me(mi-i)-at-knl

1. IIAR-HAR, 58: 11 | $62: 13$.
2. $60: 11 \mid 91 a: 7$.

A p-pa-ai-u(i,e)

1. f. of Dînu-Marduk, 8: 1 .
2. f. of Izkur-Shamash, 168: 4.
3. $34: 10 \mid 37: 17$.

Ap-ta-a-na-ili, f. of Thab-ṣilli, 123:3.
A-qar-be-la, C. B. M. 3641.
A-tu-ai-it-ti, f. of Ilanâtum, 10: 51.
$A r-d u, 66: 5$.
Ar-du-ar-rab-ha...., C. B. M. 3647.
Ardu-Bêlti, s. of NINIB-mushallim, tupsharru, 40:30.
Ardu-Gula

1. b. of Mannu-balû-ilishu, 22:7.
2. nappahu, 98:5, 15.

Ardu-dKu-bi (or AZAG-bi), 125:7| 131:9.
Ardu-dKUR, Mâr-, ishshaku, 118:3.

Ardu-Marduk

1. SHÚ-I, 102: 6.
2. shaknu, 44:8.
3. shanû, 81:3.
4. $151: 2,3,4,7,14,76,17,24$.

Ar-du-me-en-ni, mûd $\hat{u}, 56 \mathrm{a}: 27,28$.
Ardu-nu-bat-tim(ti)

1. f. of Arkàt-Nergal, 135: 5.
2. $101: 21|118: 20| 127: 3,5,10,20$.

Ardu-Nusku

1. s. of Idinanni-Shamash and fTambi-Dadu, b. of fDalilusha, Nusku-kîna-uṣur and Gabmartash. Batûlu, 58:8.
2. 57: 27.

Ardu-îmu IIIkan

1. pahâru, 110:23.
2. 57: 19 113:3, 5.

Ardu- $\hat{\imath} m u$ XIIIkun

1. KA-ZID-DA, 56a:8|58:33|
2. $114 \mathrm{a}: 8$.

Ardu-dSibi(-bi), $19: 59$.
4r-du-tum, 132: 24.
Ar-ka(Arka, EGIR)-sha-ili, 8:2,21, 24, 31.
Arkât(SIIUD)-Aps $\hat{u}(Z U-A B), 128: 4$.
Arkât(EGIR)-dDamqu, 131: 12.
Arkât(SHUD)-Id-di-tum, 103:2.
Arkât(SHUD)-dNergal

1. s. of Ardu-nubatti, 135:4, 21.
2. 118:25|KAL-, 142:13.

Arkât(SIIUD)-Shag-ila, s. of Ilkiiza, 114:9, 17.
Arkôt (SHUD)-U-lu-lum, 138:9.
Arkat(SHUD)-ûmi-shu, 118:7.
Ar-mi-ti, f. of Nusku-la-ên-pîshu, 114: 12.
Ar-rab-ha-ai-ú, 22: 15.
Ash-ri-qu, 44:11.
Ash-ri-sha, Mâr-, $73: 16$.
Ash-ta-ra-ash, f. of Abuniea, 56a: 21.
Ash-te...., 117:3.
dAshur-ish-man-ni, 167:31.
A-ta-na-ab-ilu, 22: 17.
A-ta-na-ah-Ul-mash, NU-SHI, 120: 19.
At-ta-bu-ni, "'Thou art my child," f. of Kidin-NINIB, 166:5.
$\mathrm{B} a-b i-i a$, s. of $G I-m a n-n u-T I, 95: 11$.
Ba-bi-la-ai(a)-i, 103:7\128a:3.
$B a(M a)-d a-n i$, f. of Ilu-kidini, 132: 15.
$B a-e(i)-r u m(r u), 80: 6|83: 4| 87: 5,151: 21$

## Masculine Names.

$B a-h u-u(\langle h i-e)$

1. f. of Sin-usuh-bilti, 10: 14.
2. 57: 29 .

Ba-il-Marduk, "Marduk is mighty," 167:2, 24, 35.
Ba-il-Nabd, b. of NINIB-bâni, 2: 10, 31.
Ba-il-Nusku, f. of R̂̂sh-Marduk, 40: 29.
Ba-i-lum(li) (Ba-'-lum)

1. f. of Shuzub-Marduk and NINIB-dajän, I0: 35.
2. Mâr $-31: 5$.
3. $56 \mathrm{a}: 18 \mid 149: 12$.

Ba-la-hi, (perhaps Malahi," sailor,") 132: 15.
Ba-la-ak. ..., 142:6.
Ba-la-tu, s. of Sin-râ'im-zír, 132:53.
Balattu-êrish, s. of Ibni-Ea-sharru, ndpidu, 132:21.
Ba-na-na-a(ai)

1. s. of Rabâ-sha-dKUR, 123:22.
2. 151:2.

Ba-na-nu-ú(ni-i)

1. s. of Nabû-nimiq-ilani, 10:41.
2. f. of Hungulu, $41: 16$.

Banâ(KAK-a)-sha-Marduk,

1. $34: 6 \mid 130: 8$.
2. Mär-, 166: 12.

Banâ(KAK-a)-sha-Rammán, hGIR, 120:32.
Banâ-sha-dSukal

1. f. of Adalalu, 95: 12.
2. 57:7.

Baná(KAK)-sha-Shamash

1. s. of Kubbu, 19:9.
2. $41 \mathrm{a}: 5$.

Bn-pul-tuna, s. of Ilu-dikki, 123: 17.
Ba-ri-ha-ili (Cf. the Neo. Bab. Ba-ru-hi-ili, Nbk. 361:7 and Ba-ri-hi, Camb. 315:4, also Nabâ-barhu--ilâni, II H., 64, II: 3) 102:7.
dBa-ú-hếgallu(KAN-IK), 49:6|69:5.
Ba-a-zi, f. of Êmid-ana-Marduk, 16:3.
Be-i-lu, 142: 15.
Bêl-aĥê-shu

1. $m \hat{u} d \hat{u}, 62: 15$.
2. $57: 21 \mid 73: 42$.

Bêl-al-shah(dun)

1. f. of Nusku-nâdin-shum, 112:2.
2. $27: 4|35: 5| 47: 8 \mid 48 a: 9$.

Bêl-a-na-ka-la-udammiq(SHI-BIR) "Rêl was gracious to all," 136:7, 18.
Be-la-ni(nu)

1. s .of dIBBA-amél-uballit, $41:, 5,8,11,14$.
2. s. of Kurshara, 118:21.
3. s. of BPI-zululi, 106:3.
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$d^{d}$ murru(dMAR-TU) cf. Ibni-dAmurru, and Vol. XV.
$d A p s \hat{u}$, written $d I D$ in $f A n a-d A p s \hat{u}-t a k l a k u$.
${ }^{\boldsymbol{d} A}$ shur, in the name dAshur-ishmanni.
$d A Z A G-b i$, in Qîsh-dAZAG-bi, doubtless to be read $K u b i$, cf. Vol. XV. Cf. names under $A Z A G-b i$ and Kubi.
dBa-na-a, in Sha-dBa-na-a; perhaps also Ba-nu-u in Amêl$B a-n u-u$, without the det. $d$; cf. Vol. XV.
$d B a-\hat{u}$, in $K a l b u-d B a u$, etc.
$d B e \hat{l}$, (written $d E N-L I L ;$ and $d L, 118: 20$ ), cf. names under $B e ̂ l$, etc. Cf. p. 4, note 3.
Bêlit, cf. names under Bêlit, etc.
Bu-ga-ash, Cassite, in Kunindi-Bugash, without det. d.
Bu-ri-ia-ash, Cassite, cf. names under Ippa, Burna and Burra, cf. also Vol. XV., p. 4.
$D a-d u$, in $f$ Tam-bi-Da-du; to be identified doubtless with Rammdn.
dDamqu written dSHI-BIR, in Arkat-dDamqu, NassirDamqu, etc. Cf. List of Gods in Vol. XV.
(d) kakkabuDilbat, or Ishtar, in Izkur-Dilbat.
dDu-ni-ia-ash, in aluKara-dDuniash.
$d E-a$, in Itti-d $E a$; also written $d E N-K I$ in $E a-M U-P A D^{-}$ $D A$.
$E N-L I L$ without det. $d$ in Cassite names, doubtless to bc $\operatorname{read}$ BPI. Cf. Meli-Bêl, and Introduction, Vol. XV., p. 11.

Gal-zu, Cassite, in Kuri-Galzu. Cf. Introduction, Vol. XV., p. 3.
$d G i r r u$, written $d B I L-G I$, in Lussu-ana-nûr-dGirru.
dGU-LA, cf. names under Gula, etc.
Bar-be, Cassite, in Kadashman-Harbe and HashmaHarbe.
Hu-um-ba, and Hुu-na-bi, Elamitic, cf. Humba-napir and Hunabi-iddina; also Vol. XV.
$d I B-B A$, cf. $d I B-B A$-amêl-uballit, also Urash below.
$d I D$ in Vol. XV to he read $A p s \hat{u}$.
Id-di-tum without det. $d$ in Arkat-Idditum, cf. Vol. XV. dIsh-ha-ra, in Rabâ-sha-dIshhara.
Ish-tar, written $U-D A R, N A N N U$ and $D I L B A T$; ef. names under Ishtar.
dKa-ba-ni-zu, in Bît-dKabanizu, 148:11.
$d K a b-t a$, with and without det. $d$ in Kabta-crba and IdindKabta.
$d K a-d i$, in $d K a d i-d a b i b i$, and $T d m d i-K a d i$.
Ka-mul-la-mu-ni, in Taklaku-ana-Kamullamuni.
Ki-nu-ni in the name Rabâ-sha-Kinuni. Cf. Warad dKinuni O. L. Z. 1906, p. 203.
$d K u-b i$, in $A r d u-d K u b i$. $A Z A G$ and $A Z A G$-bu (and $b i$ ) doubtlcss are to be read $K u b u(b i)$.
$d K U R$, cf. names under $K U R$, and also Vol. XV.
dMa-mi, in Kar-dMami.
Maruttash, Cassite, written with the det. $d$ in $N a z i-d M a-$ rut-tash, 68:6.
$d$ Marduk, written $d A M A R-U D$; cf. names under Marduk.
$d M u-t i-t u$, perhaps a deity in Bunna-dMutitu. The name, however, may be Bunna-ilu, mu-ti-tu.
$d N a b \hat{u}$, written $d A G$, cf. names under $N a b \hat{\imath}$, etc.
$d N e r g a l$, written $d_{S} H I-D U$ and $d U G U R$, cf. names under Nergal, etc.
dNibeanu, written dSI-MU-TU, in Nibeanu-nôṣir and Amar-Nibeanu.
$d N I N-I B$, cf. names under $N I N I B$, etc. and Vol. XV.
$d N I N-S H A R$, cf. dNIN-SHAR-bel-uşur, cf. also Bît-dNINSHAR, 148: 10, cf. Brünnow List, No. 11034.
dNisaba in $/ N i s a b a-s h a r r a t$.
$d N u s k u$, written $d P A-K U$, cf. names unde: Nusku, etc•
dPapsukal, written PAP-LUH, cf. cf. names under Papsukal, etc.
$d R a m m a n$, written $d I M$ and $d K A N$ (cf.Iqisha-dRammAn); cf. names under Rammdn, etc. The name Tabbi$u s u_{r}-A d-d u$ of Vol. XV perhaps is an indication that the name of the god was pronounced $A d d u$, as in the late period.
Sah, Cassite, in Kubshia-Sah, etc., cf. Vol. XV.
Sal-li, Sa-li (or ni), in Sal-li-lu-mur, and Burra-Sa-li (or ni).
$d S E-K A K$ in Vol. V to be read Nisaba.
$\operatorname{Sig}(k, q)-m e$, Cassite, in Burra-Sigme.
$d S I-M U-T U$, in Vol. XV read $d_{S i m u t u, ~ c f . ~ N i b e a n u . ~}^{\text {Si }}$
$d S i b i$, written $d V I I-b i$ in $P_{i-u-d} d_{S i b i}$ and $A r d u-d S i b i$, cf. Vol. Vol. XV.
(d)Sin, written $X X X$ with and without det. $d$; also $d S I S k i$, or Nannar cf. names under Sin?and Nannar.
dSukal, written $L U H$, cf. names under Sukal, and also Vol. XV.
Shab(?), in fKalundi-Shab(?). (The character Shab has an extra wedge, sce text.)
Sha-bu, perhaps a deity in Sha-bu-ka-ni-shu.
Shal $m и$, without $\operatorname{det} d$ in Nuhish-Shalmu.
dShamash, written $d U D$, ef. names under Shamash.
$d S h e(S h i)-m e(m i-i)$, in Ana-dShemê-atkal. Cf. List of Gods in Vol. XV.
Shr-rum without detd in Sherum-nabu.
Shi-paq( $k, \mathrm{~g}$ ), Cassite, in Meli-Shipaq, rf. Vol. XV.
$d$ Shu-ud-da, in dShudda-rimanni, perhaps also in Shu-da-ki-tum, cf. Vol. XV.
$d$ Shu-ga(qa)-mu-na, Cassite, cf. names under Shugamuna, Ub-bu-ul-ti, without det. $d$, in Ubbulti-lishir. etc.
$d_{S} S I R$, in Q $\hat{s} s h t u-d S I R$.
Turgu, Cassite, in Kadashman-Turgu, cf. Delitzsch Kossaer.

Ub-ri-ia-ash, cf. names under Buriash, and Vol. XV.
$d U r a s h$, written $d I B$, in Dimahdi-dUrash, perhaps to be read $d I B$, cf. the $\operatorname{god} d I B-B A$.
$d Z a-q a r$, cf. place with names Zaqar, and Vol. XV.

## TABLE OF CONTENTS

## And Description of Objects.

## ABBREVIATIONS

C. B. M., Catalogue of the Babylonian and General Semitic Section of the Archæological Museum of the University of Pennsylvania; cor., corner; E., Edge; E. A. H., E A. Hoffmann Collection, General Theological Seminary, New York City; fr., fragment, fragmentary; lı., height; impr., impression(s); inscr., inscription; L., Left; li., lines; Lo., Lower; No., number; O., or Ob., Obverse; Pl., Plate(s); R., Right; Rev., Reverse; terra., terra-cotta; C., Upper.

Most of the tablets here published are in terra-cotta, the balance are sun-dried or partially baked. The measure ments are given in centimeters, length (height) $\times$ width $\times$ thickness. Whenever the tablet (or fragment) varies in size, the largest measurement is given.

## I. Autograph Reproductions.

| $\begin{gathered} \text { Text. } \\ 1 \end{gathered}$ | $\begin{gathered} \text { Plate } \\ 2 \end{gathered}$ | Reign. <br> Burna-Buriash | $\begin{gathered} \text { Year. } \\ 1 \end{gathered}$ | $\begin{gathered} \text { Month } \\ 10 \end{gathered}$ | $\begin{gathered} \text { DAy } \\ 25 \end{gathered}$ | $\begin{aligned} & \text { C. B. M. } \\ & \text { C052 } \end{aligned}$ | Description. <br> Unbaked. U.L. cor. broken away and otherwise injured. Either a copy or an inside tablet. $11.4 \times 6.7 \times 2.8$. Inscr. $16(0)+$. $15(\mathrm{R})=$.31 . li. Slave sale contract. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 2 | do. | 6 | 9 | 8 | 12906 | Unbaked. Lo. R. cor. wanting. A copy or an inside tablet. $8.9 \times 5.7 \times 2.8$. Inscr. $16(0)+.17(\mathrm{R})=$.33 li. Hire of slaves. |
| 3 | 2 | do. | 7 (?) | 2 | 6 | 6638 | Unbaked. $3.7 \times 4.5 \times 1.7$. Inscr. $8(0)+$. (It.) $=\ddagger 2 \mathrm{li}$. |
| 3 a | 55 | do. | 8 | 1 | 3 | 12897 | Baked. $2.3 \times 3.5 \times 2.1$. Inscr. 4 (O.) +4 (Lo. E. $)+2(\mathrm{R})=$.10 li. Record of payment. |
| 4 | 3 | do. | 11 | 2 | 1 | 10495 | Unbaked. Frag. $7 \times 5.2 \times 2.3$. Inscr. 16 ( 0 .) $+3(\mathrm{R})=.19 \mathrm{li}$. |
| 5 | 3 |  | 11 | 12 | 10 | 3643 | Unbaked. $3.7 \times 4.7 \times 2.3$. Inscr. $6(0)+$. (Lo. E.) +4 (R.) $=14 \mathrm{li}$. |
| 6 | 3 | do. | 12 | 4 | 8 | 10982 | Baked. Dark. Effaced. $2.6 \times 2.7 \times 1.4$. Inscr. $5(\mathrm{O})+.2($ Lo. E. $)+1($ R. $)=8$ li. Record of a payment by order. |
| 7 | 4 | do. | 18 | 8 | 10 | 12913 | Baked. Dark terra. Lo. It. cor. wanting. A copy or an inside tablet. $11.4 \times 7.8 \times$ 3.3. Inscr. $20(\mathrm{O})+.22(\mathrm{~K})=$.42 li. Sale of slaves. |


| $\begin{gathered} \text { Text } \\ 8 \end{gathered}$ | Plate. <br> 5 | Reign. <br> Burna-Buriash | $\begin{gathered} Y_{E A R} . \\ 21 \end{gathered}$ | $\begin{gathered} \text { Montr. } \\ 8 \end{gathered}$ | $\begin{gathered} I_{A Y} . \\ 25 \end{gathered}$ | $\begin{gathered} \text { C. B. M. } \\ 12903 \end{gathered}$ | Deschiftion. <br> Unbaked. Light. Only slightly effaced. 9. $5 \times 6 \times 2.6$. Imscr. $15(\mathrm{O})+.17(\mathrm{R})=.33 \mathrm{li}$. Judgment given in a dispute concerning a field |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | 6 | do. | 25 | 7 | 10 | 3336 | Baked. Light. Well preserved. $4 \times 2.8 \times 1$. <br> 9. Inscr. 4 (O.) +2 (Lo. E.) +6 (R.) $=12$ <br> li. A receipt for the payment of grain for two months. |
| 9 a | 55 | do. |  | 1 |  | $\text { E.A.H. } 175$ | 5 Baked. Well preserved. $3.3 \times 4.8 \times 1.7$. Inscr. 7 li. Record of a debt. |
| 10 | 6-7 | Kuri-Galzu | 2 |  |  | 6093 | Baked. Partially dark and terra. in color. <br> Lo. part wanting. Aleo otherwise injured. $12.3 \times 9.2 \times 3.7$. Jnscr. 30 (O.) +30 (R.) $=60 \mathrm{li}$. A list of salary payments. |
| 11 | 7 | do. | 4 | 2 |  | 6613 | Baked. Dark. U. part wanting. Five thumbnail marks on L. E. $\quad 7.3 \times 5.5 \times 2.3$. Inscr. 12 (O.) +9 (R.) $=21$ li. Record of a debt for non-payment of an obligation. |
| 12 | 8 | do. | 4 |  |  | 6604 | Partially baked. Dark. R. E., and Lo. L. cor. wanting. $9.2 \times 10.7 \times 2.8$. Inscr. 22 $(\mathrm{O})+.25(\mathrm{R})=$.47 li. Presumably a frag. of a record of incoming taxes. |
| 13 | 9 | do. | 5 | 6 | 2 | 3045 | Baked. Seal impr. on all sides. $3.2 \times 4.6 \times$ <br> 1.7. Inscr. $4($ O. $)+2$ (Lo.E.) $)+4($ R. $)=10$ <br> li. Receipt for wool. |
| 14 | 9 | do. | 10 | 12 | 4 | 10234 | Baked. Light terra. U. Oh. effaced. $5.7 \times$ 3.9X1.9. Iriscr. $10(\mathrm{O})+.4(\mathrm{R})=.14 \mathrm{li}$. List of payments. |
| 15 | 9 | do. | 12 | 8 | 21 | 3037 | Baked. Light terra. Well preserved. Seal inipr. $3.4 \times 4.4 \times 2$. Inscr. 5 (O.) +1 (K.) $=6 \mathrm{li}$. Record of a payment of grain. |
| 16 | 9 | do. | 13 | 8 | 30 | 3039 | Baked. Terra. Slightly (ffaced. A copy or inside tablet. $4.3 \times 5.2 \times 2$. Iiiscr. G (O.) $+4(\mathrm{R})=$.10 li. A rcceipt for an aniount for the payment of which another is responsible. |
| 17 | 9 | do. | 13 | 10 | 7 | 3036 | Baked. Light terra. Fairly well preserved. A copy or an inside tablet. $3.2 \times 3.2 \times 1.9$. Inscr. 6 (O.) +1 (Lo. E.) $+5($ R. $)=12$ li. A storehouse official's receipt for salary. |
| 18 | 10 |  | 13 |  |  | 10974 | Partially baked. U. L. cor. wanting. Otherwise effaced. $6.8 \times 13 \times 3$. Inscr. 17 $(\mathrm{O})+.4(\mathrm{R})=.21 \mathrm{li} . \quad$ A record of the receipt of taxes frem different towns. |
| 19 | 10-11 | do. | 13 |  |  | 3491 B | Baked. Dark. Lo. L. cor. wanting. $13.2 \times$ $7.7 \times 3$. Inscr. $35(\mathrm{O})+.36(\mathrm{R})=.71 \mathrm{li}$. Record of payments |

DATED IN THE REIGNS OF CASSITE RULERS.

| $\begin{gathered} \text { Text } \\ 20 \end{gathered}$ | Plate. <br> 12 | Reign. Kuri-Galzu | $\begin{gathered} \text { Year } \\ 14 \end{gathered}$ | $\begin{gathered} \text { Month } \\ 2 \end{gathered}$ | $\begin{gathered} \mathbf{D}_{\mathrm{AY}} \\ 14 \end{gathered}$ | $\begin{gathered} \text { С. B. M. } \\ 3040 \end{gathered}$ | Deschiption. <br> Baked. Terra. well preserved. $3.4 \times 4.4 \times$ 1.9. Inscr. 5 (O.) +3 (Lo. E.) $=8$ li. Receipt. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21 | 12 | do. | 15 | 6 | 14 | 3038 | Baked. Light terra. Slightly effaced. 4.3 $\times 5.2 \times 1.9$. Inscr. $7(\mathrm{O})+.3(\mathrm{R})=.10 \mathrm{li}$. A record of salary paid to an official. |
| 22 | 12 | $\begin{array}{r}\text { do. } \\ \hline\end{array}$ | 15 | 12a |  | 3342 | Partially baked. U. L. cor. wanting. "Checkmarks," 6.6X10.1X2.4. Inscr. 13 (O.) + 3 (Lo. E.) +11 (R.) $=27$ li. List of payments. |
| 23 | 13 | do. | 16 | I | 27 | 3041 | Baked. Light terra. Well preserved. 4.3 $\times 5.5 \times 2$. Inscr. $6(\mathrm{O})+.5(\mathrm{R})=.11 \mathrm{li}$. Record of payments to officials. |
| 24 | 13 | do. | 16 |  |  | 6058 | Unbaked. Portion of end wanting. 6.1 X8.9 <br> X2.3. Inscr. 1 (U. E.) +13 (O.) +7 (K.) <br> $=21 \mathrm{li}$. Record of tax collections. |
| 25 | 14 | do. | 17 |  |  | 6083 | Unbaked. Lo. R. and Lo. L. cor. wanting. $6.2 \times 8.1 \times 2.3$. Inscr. $12(0)+.13(\mathrm{R})=$. 25 li . Record of salary payments. |
| 26 | 14 | do. | 18 | 6 | 29 | 3031 | $\begin{aligned} & \text { Raked. Light terra. Well preserved. } 2.8 \text { X } \\ & 3.8 \times 1.8 . \quad \text { Inscr. } 5(\mathrm{O} .)+3 \text { (Lo. E. })+1 \\ & (\mathrm{R} .)=9 \text { li. } \end{aligned}$ |
| 27 | 14 | do. | 18 | 8 | 5 | 3033 | Baked. Light terra. Well preserved. Seal impr. 2.9X3.1 X1.7. Iiiscr. 4 (O.) +4 $($ R. $)=8$ li. liecord of an official's salary. |
| 28 | 15 | do. | 18 | 8 | 9 | 3034 | Baked. Light terra. Lo. R. wanting. A copy or an inside tablet. $3.2 \times 3.8 \times 1.8$. Inscr. 6 (O.) +4 (R.) $=10$ li. Receipt given by a priest. |
| 29 | 15 | do. | 18 | 9 | 16 | 3030 | Baked. Terra. Well preserved. 3.1 X3.9 X 1.9. Inscr. 6 (O. $\not+4(\mathrm{R})=.10 \mathrm{li}$. Official's receipt for salary. |
| 30 | 15 | do. | 18 | 10 | 16 | 3035 | Raked. Light terra. Excellently well preserved. $3.2 \times 3.8 \times 1.7$. Inscr. 5 (O.) +4 $(\mathrm{R})=.9 \mathrm{li} . \quad$ Official's receipt for salary. |
| 31 | 15 | do. | 19 |  |  | 6091 | Partially baked. Lo. R. cor. wanting. 5.3 $\times 8.3 \times 2.4$. Inscr. $5(\mathrm{O})+.6(\mathrm{R})=.11 \mathrm{li}$. Record of taxes which were collected. |
| 32 | 16 | do. | 19 |  |  | 10970 | Partially baked. Cracked and effaced. 4.8 $\times 8 \times 2.4$. Inscr. 9 (O.) li. Record of payments. |
| 33 | 16 | do. | 20 |  |  | 6151 | Partially baked. Cracked and effaced. 6.4 $\times 10 \times 2.6$. Inscr. $1(\mathrm{U} . \mathrm{E})+.9(\mathrm{O})=$. <br> li. Record of taxes collected. |
| 34 | 16 |  | 20 |  |  | 6614 | Unbaked. U. R. cor. of a large tablet. 5.8 $\times 8.1 \times 3.3$. Inser. $14(\mathrm{O})+.1(\mathrm{R})+.1(\mathrm{U}$. E. $)=16 \mathrm{li}$. Record of salary payments. |


| Text 35 | Plate | Reign. Kuri-Galzu | $\begin{gathered} \text { YEAR } \\ 21 \end{gathered}$ | Month $10$ | $\begin{gathered} \mathrm{DAY}_{\mathrm{AY}} \\ 16 \end{gathered}$ | $\begin{aligned} & \text { С. В. M. } \\ & 3042 \end{aligned}$ | Description. <br> Baked. Light terra. Well preserved. Inscr. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | 14 li. Receipt for horse feed. |
| 36 | 17 | do. | 22 | 8 | 19 | 3032 | Baked. Light terra. Well preserved. 2.7 $\times 4.4 \times 1.7$. Inscr. $5(\mathrm{O})+.5(\mathrm{R})+$.3 (U. E.) $=13$ li. A rcceipt for a loan, for the payment of which another is responsible. |
| 37 | 17 | do. | 22 |  |  | 6082 | Partially baked. Dark. Rev. effaced and cracked. $6.7 \times 9.7 \times 2.1$. Inscr. 1 (U. E.) +14 (O.) t 13 (K.) $=28$ li. A list of salary payments. |
| 38 | 18 | do. | 23 |  | 16 | 3044 | Baked. Light terra. U. end wanting; R. effaced. $7 \times 4.8 \times 2.2$. Iiiscr. 12 (O.) +5 $($ R. $)=17 \mathrm{li} . \quad$ Record of a loan. |
| 39 | 18 | do. |  |  |  | 12914 | Unbaked. Ob. only partially inscribed. 14. $8 \times 7.4 \times 3.2$. Iiiscr. 22 li (O.) Judgment rendered in a dispute concerning a field. The document was not complete. |
| 40 | 19 | do. |  |  |  | 12902 | Partially baked. U. end wanting. $8 \times 5.5 \times$ $\begin{aligned} & \text { 2.3. Inser. } 17 \text { (O.) }+1 \text { (Lo. E.) }+15 \text { (R.) } \\ & =33 \mathrm{li} . \end{aligned}$ |
| 41 | 19 | Nazi-Maruttash | 1 | 3 |  | 12905 | Baked. Dark. Well preservtd. Three thumbnail marks on L. E. $7 \times 4.4 \times 2$. Iriscr. $14(0)+.5(\mathrm{~K})=$.19 li. An individual is required to make gcod the loss of a crop, $\varepsilon$ s he failed to meet his obligations. |
| 41a | 56 | do. | 1 | 6 |  | 3016 | Baked. Three thumbnail marks. 2.5 X3.6 X1.7. Inscr. 5 (O.) +3 (Lo. E.) +7 (K.) $=15$ li. Promissory note. |
| 42 | 20 | do. | 2 | 2 | 3 | 3005 | Bakcd. Terra. Excellently preserved. A copy or inside tablet. $7 \times 4.6 \times 2.9$. Inscr. 12 (O.)t 13 (R.) $=25 \mathrm{li} . \quad$ A tablet of tiust made with the riqqutti and KA-ZID-DA officers. |
| 43 | 20 | do. | 2 | 10 | 15 | 6085 | Partially baked. Ob. cffaced. $4.7 \times 6.2 \times 2$ 。 5. Inser. 10 (O.) +2 (I.o. E.) +6 (R.) $=$ 18 li . List of payments. |
| 44 | 21 | do. | 3 | 2 | 5 | 6625 | Partially baked. A frag. $5.7 \times 6 \times 2.5$. Inser. 11 (O.) +4 (R.) $=15$ li. List of payments in sheєp. |
| 45 | 21 | do. | 3 | 4 | 16 | 3010 | Baked. Light term. Well preserved. $3.2 \times$ $4 \times 1 \times 2$. Inscr. $6(\mathrm{O})+.3(\mathrm{R})=.9 \mathrm{li} . \quad$ Official's receipt for salary. |
| 46 | 21 | do. | 3 |  |  | 6644 | Partially baked. L. comers wanting. $2.4 \times$ $3.6 \times 1.7$. Inscr. 4 (O.) +1 (Lo. E.) +3 (R.) $=8 \mathrm{li}$. |
| 46a | 56 | do. | 4 | 5 | 20 | $\text { E.B.H. } 1$ | 6 Baktd. Well preserved. $3.3 \times 4.8 \times 2.2$. Jmscr. $=$ Record of payments. |


| $\begin{gathered} \text { Text. } \\ 47 \end{gathered}$ | Plate. 22 | Reign. <br> Nazi-Maruttash | Year. <br> 4 | $\begin{gathered} \text { MONTH } \\ 10 \end{gathered}$ | $\begin{gathered} \mathrm{DAY}_{A Y} \\ 26 \end{gathered}$ | $\begin{gathered} \text { C. B. M. } \\ 6075 \end{gathered}$ | Description. <br> Partially baked. Well preserved. 3.1 X4.4 $\times 1.9$. Inscr. 5 (O.) +2 (I.o. E.) +4 (R.) $=11 \mathrm{li}$. Record of the payment of flour to an official. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48 | 22 | do. | 5 | 2 |  | 3002 | $\begin{aligned} & \text { Raked. Light terra. Slightly effaced. Sed } \\ & \text { impr. on all sides. } 7 \times 48 \times 2.2 \text {. Iners. } \\ & 11(\mathrm{O} .)+2 \text { (Lo. E. })+9(\text { R. })=22 \mathrm{li} \text {. } \end{aligned}$ |
| 48 a | 56 |  | 6 | 5 | 1 | 10254 | Unbaked. Cracked. Seal impr. $4 \times 4.9 \times 2$. 2. Inscr. $6(0)+.3(R)=$.9 li. Salary payments. |
| 49 | 22 | do. | 7 | 19 |  | 3006 | Baked. Light terra. Several thumbnail marks on L. E. $3.7 \times 4.9 \times 1.7$. Insrr. 6 (O.) +4 (R.) $+2(\mathrm{U} . \mathrm{F})=.12 \mathrm{li}$. Promissory note. |
| 50 | 22 | do. | 8 | 11 | 14 | 3001 | Baked. Light terra. Well prtservcd. 4.7 $\times 6.3 \times 1.8$. Inscr. $6(0)+.3 \quad(\mathrm{R})=.9 \mathrm{li}$. Payment of salary aiid for the rent of a wagon. |
| 51 | 23 | do. | 9 | 7 | 4 | 6154 | Partially baked. Effaced. $3.3 \times 4.8 \times 1.9$. Inscr. $5(0)+.3($ Lo. E. $)+4($ R. $)=12$ li. Record of payments of wool, etc. |
| 52 | 23 | do | 11 | 2 |  | 3003 | Baked. Light terra. Excellently preserved. $7.9 \times 5.9 \times 2.5$. Iiiscr. 14 (O.) +2 (I.o. E.) $=16 \mathrm{li}$. A list of animals rented to an individual. |
| 53 | 23 | do. | 11 | 8 | 2 | 3053 | Partially baked. Well preserved. Seal impr. on all sidee. $3 \times 4 \times 1.7$. Inscr. $4(0)+$. $4(\mathrm{R})=.8 \mathrm{li}$. Record of a dett of three fat young osen. |
| 54 | 23 | do. | 11 | 11 | 29 | 10177 | Baked. Dark. Broken. $3.2 \times 4.5 \times 2$. Inscr. $4($ O. $)+2$ (I.o. E.) +4 (R.) $=10$ li. Fayment of dates. |
| 55 | 23 | do. | 12 | 9 | 5 | 3009 | Baked. Light terra. Case. $3.8 \times 4 \times 2.3$. Inscr. $5(0)+$.4 (R.) $=9$ li. Tablet. $2.9 \times 3.5 \times$ 1.8. Inscr. $6(\mathrm{O})+.3(\mathrm{R})=.9 \mathrm{li}$. Official's salary. |
| 56 | 24 | do. | 12 | 12 |  | 3011 | Baked. Dark. Well preserved. 3.4X4.1 X1.9. Inscr. $6(0)+.2($ Lo. E.$)+6($ R. $)=14 \mathrm{li}$. Salary payment to an official. |
| 56a | 57 | do. | 13 | 1 |  | $\text { E.4.H. } 17$ | 7 Baked. Well preserved. $13.3 \times 9.8 \times 3.3$. Payments of salarits. |
| 57 | 24 | do. | 13 | 2 |  | 3018 | Baked. Light terra. Well preserved. "Check marks." $10.3 \times 5.9 \times 2.5$. Inscr. $19(\mathrm{O})+$. 17 (R.) $=36$ li. Payment of salaries. |
| 58 | 25-26 | do. | 13 | 11 |  | 3323 | Baked. Light terra. Excellently prestrved. <br> $12.7 \times 21.8 \times 4.2$. Iiiscr. 28 (O.) +25 (K.) <br> $=53 \mathrm{li}$. Record of salary payments. |


| Text. <br> 59 | Plate <br> 24 | Reign. <br> Nazi-Maruttash | Year 14 | $\begin{gathered} \text { Month } \\ 6 \end{gathered}$ | $\begin{gathered} D_{A Y} \\ 26 \end{gathered}$ | $\begin{gathered} \text { C. B. M. } \\ 3013 \end{gathered}$ | Description. <br> Baked. Dark terra. Fairly well preserved. $4.2 \times 5.3 \times 1.9$. Inscr. 5 (O.) +2 (Lo. E.) $+2(\mathrm{R})=.9 \mathrm{li} . \quad$ Record of payments. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60 | 27 | do. | 14 | 7 | 3 | 3028 | Baked. Light terra. Well preserved. $6.2 \times$ 8.7X2.8. Inscr. $10(0)+.10(\mathrm{R})=.20 \mathrm{li}$. Record of salary payments. |
| 61 | 27 | do. | 14 | 9 | 21 | 3027 | Baked. Light terra. Fairly well preserved. $5.2 \times 7.5 \times 2.3$. Inscr. 8 (O.) li. Record of payments. |
| 62 | 28 | do. | 14 | 9 | 11 | 3054 | Baked. Light. Well preserved. Lo. I,. cor. wanting. $6.5 \times 9.9 \times 2.5$. Inser. $12(0)+$. $10($ R. $)=22$ li. Record of salary payments. |
| 63 | 28 | do. | 14 | 10 | 20 | 3340 | Baked. Light. Somewhat effaced. 2.5 X3.6 <br> X1.8. Insrr. 4 (O.) +1 (I.o. E.) +4 (R.) <br> $=9$ li. Receipt. |
| 64 | 28 | do. | 14 |  |  | 3366 | Unbaked. Poorly preserved. Seal impr. 2.7 $\times 3 \times 9 \times 1.7$. Inscr. $4(0)+.4(\mathrm{R})=.8 \mathrm{li}$. Payment of an official's salary. |
| 65 | 29 | do. | 15 |  |  | 3025 | Baked. Well preserved. $5.7 \times 7.9 \times 2.4$. Inscr. $12(\mathrm{O})+.15(\mathrm{~K})=.27 \mathrm{li}$. Payment of salaries. |
| 66 | 29 | do. | 15 | 3 | 5 | 3926 | Baked. Light. Well preserved. 4.5XG. 1 X2. 3. Inscr. $6(\mathrm{O})+.6(\mathrm{R})=$.12 li. Payment of salary to officials. |
| 67 | 30 | do. | 15 | 5 | 3 | 6161 | Baked. Iight.. $2.2 \times 3.2 \times 1.5$. Inscr. 4 (O.) +1 (Lo. E.) $+4(\mathrm{R})=$.9 li. Receipt for door ornaments. |
| 68 | 30 | do. | 15 |  |  | 3012 | Baked. Light. Well preserved. $3.9 \times 4.2 \times 1$. 9. Inscr. $5(\mathrm{O})+.1(\mathrm{I} . \mathrm{O} . \mathrm{E})=.6 \mathrm{li}$. Record of payments in wool. |
| 69 | 30 | do. | 16 | 8 | 29 | 3007 | Raked. Light. U. end wanting. Effaced. 4. $4 \times 7.3 \times 2$. Inser. $7(\mathrm{O})+.4(\mathrm{R})=.11 \mathrm{li}$. Payment of wages. |
| 70 | 30 | do. | 16 | 9 | 19 | 6081 | Partially baked. Seal impr. $3.15 \times 4.35 \times 1$. 6. Inscr. 5 (O.) +3 (R.) $=8$ li. Payment of an official's salary. |
| 71 | 30 | do. | 16 | 9 | 30 | 6080 | Partially baked. Well preserved. Seal impr. $2.6 \times 4.3 \times 1.7$. Inscr. 4 (0.) +2 (Lo. E.) $+2($ R. $)=8$ li. Payment of an official's salary. |
| 72 | 30 | do. | 16 | 10 | 6 | 6636 | Baked. Light. Frag. Seal impr. $2.8 \times 3.6 \times$ 1.7. Inscr. $G(O)+.6(R)=.12 \mathrm{li}$. |
| 73 | 31 | do. | 17 | 1 | 5 | 10991 | Unbaked. Cracked and effaced. $14 \times 10 \times 3$. Iiiscr. $4 \mathrm{G}(\mathrm{O})+.22(\mathrm{R})=$.68 li. List of the payment of salaries. |

DATED IN THE REIGNS OF CASSITE RULERS.

| Text. <br> 74 | Plate <br> 32 | Reign. <br> Nazi-Maruttash | Year. $17$ | Month. <br> 7 | $\begin{gathered} \mathrm{D}_{\mathrm{AY}} \\ 13 \end{gathered}$ | $\begin{gathered} \text { C. B. M. } \\ 3052 \end{gathered}$ | Description. <br> Baked. Light. Somewhat cffaced. $2.3 \times 3.3$ $\times 2.8$. Inser. 4 (O.) +2 (Lo. E.) +4 (R.) $=10 \mathrm{li}$. Receipt for bed ornaments. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 75 | 32 | do. | 18 | 11 | 6 | 3705 | Partially baked. Effaced somewhat. $4.3 \times$ $5 \times 3 \times 2$. Inscr. 7 (O.) +1 (Lo. E.) +4 $(\mathrm{R})=.12 \mathrm{li} . \quad$ Record of payments. |
| 76 | 32 | do | 19 | 3 | 4 | 3014 | Baked. Light. Well prcserved. $2.5 \times 2.9 \times$ 1.8. Inscr. $5(\mathrm{O})+.5(\mathrm{R})=.10 \mathrm{li}$. Receipt for grain. |
| 77 | 32 | do. | 19 | 10 | 14 | 3004 | Baked. Light. Well preserved. $4.1 \times 5.7 \times$ 2.15. Inscr. 7 (O.) +2 (R.) $=9$ li. Rec ord of grain given to be ground into flour. |
| 78 | 32 | do. | 22 | 2 | 23 | 3339 | Baked. Dark. Seal impr. $3.7 \times 4.4 \times 1.6$. Inscr. $7(\mathrm{O})+.4(\mathrm{R})=.11 \mathrm{li}$. Payment of an official's salary. |
| 79 | 32 | do. | 22 | 3 |  | 3017 | Baked. Light. Well preserved. $3.3 \times 3 \times 1.6$. Inscr. $5(\mathrm{O})+$.5 (R.) +2 (U. E.) $=12 \mathrm{li}$. Payment to an individual by order from another. |
| 80 | 33 | do. | 22 | 12 |  | 6090 | Raked. Very dark. Seal impr. $3.6 \times 4.7 \times$ 2.6. Inscr. 5 (O. 井 6 (R.) $=11$ li. Payment of an official's salary. |
| 80 a | 56 | do. | 23 | 2 |  | 6643 | Unbaked. $3.6 \times 4.2 \times 1.7$. Inscr. 6 ( 0.$)+7$ $($ R. $)=13$ li. Seal impr. Payment of an official's salary. |
| 81 | 33 | do. | 23 | 3 |  | 3319 | ```Partially baked. Dark. Effaced. 3.8 X4.8 X2.4. Inscr. 6 (O.) +4 (R.) +3 (U. E.) = 13 li. Payment of salaries.``` |
| 82 | 33 | do. | 23 | 4 | 6 | 6079 | Partially bnktd. Dark. Chipped. Seal impr. $2.8 \times 4.5 \times 2.3$. Iiiscr. 5 (O.) +1 (I.o. E.) $+3(\mathrm{R})=.9 \mathrm{li}$. Payment of an cfficial's salary. |
| 83 | 33 | do. | 24 | 4 |  | 3361 | Partially baked. Dark. U. end broken away. Seal impr. $3.5 \times 4.2 \times 1.7$. Inscr. 5 (O.) $\$ 3$ (Lo. E.) +1 (R.) $=9$ li. Payment of an official's salary. |
| 84 | 33 | do. | 24 | 7 | 5 | 9.57 | Baked. Terra. Well p: eserved. $3.5 \times 5 \times 19$. Iiiscr. $6(0)+.5($ R. $)=11 \mathrm{li}$. Receipt for payment for grinding flour. |
| 85 | 34 | do. | 24 | 9 | 6 | 3351 | Unbaked. Dark. Seal inipr. $3.2 \times 3.7 \times 1.5$. Inscr. 5 (O.) +6 (R. $=11 \mathrm{li}$. Puymen of an official's salary. |
| 86 | 34 | do. | 24 | 11 | 17 | 3008 | Baked. Light. Case has seven thumbnail marks on I,.E. Case. $4 \times 4.5 \times 2.7$. Insc . $8(\mathrm{O})+.2(\mathrm{I} . \mathrm{E} . \mathrm{E})+.8(\mathrm{R})=$.18 li. Tablet. $3.2 \times 3.7 \times 1.7$. Iriscr. 6 (O.) +2 (Lo. E.) $+8($ R. $)=16$ li. Record of a loan, by order of another with a promissory condition. |



| Text. 99 | Plate. $37-38$ | Reign. <br> Kadashman-Turgu | $\begin{gathered} \text { Year } \\ 11 \end{gathered}$ | Month |  | $\begin{gathered} \text { C. H.M. } \\ 3294 \end{gathered}$ | Description. <br> Baked. Dark and light. R. end wanting. L. chipped away. $15.7 \times 15.2 \times 4.3$. Inscr. 32 (O.) +35 (R.) $=67 \mathrm{li}$. Record of the collection of taxes in animals. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 a | 59-60 | do. | 11 |  |  | $\text { Е.А.Н. } 19$ | Baked. Edges injured. $14.2 \times 22 \times 3.5$. Inscr. 21 (O.) +25 (K.) $=46$ li. |
| 100 | 39 | do. | 12 |  |  | 3071 | Baked. Iight terra. Lo. L. cor. wanting. 4. $9 \times 7.3 \times 2$. Inscr. $1(\mathrm{U} . \mathrm{E})+.8(\mathrm{O})=$.9 li. Record of the collection of taxes or payments of salaries. |
| 101 | 39 | do. | 13 | 9 |  | 3070 | Baked. Terra. Well preserved. 6.6 X4.5× 1.9. Inscr. $14(\mathrm{O})+.10(\mathrm{R})=$.24 li. List of payments. |
| 102 | 39 | do. | 13 |  |  | 3047 | Baked. Light terra. Lo. L. cor. wanting. "Checkmarks." $4.7 \times 7$ X2. Inser. 9 (O.) $+2(\mathrm{R})=.11 \mathrm{li}$. liecord of payments. |
| 103 | 39 | do. | 13 |  |  | 3061 | Raked. Light and dark. Slightly effaced on Ob. $6.8 \times 5.5 \times 2$. Inscr. 9 (O.) +2 (R.) $=11$ li. Record of payments. |
| 104 | 40 | do. | 13 |  |  | 3067 | Baked. Light terra. cor. wanting. 3.5 X4.5 X1.6. Inser. $6(\mathrm{O})+$.3 (Lo. E.) $=9$ li. |
| 105 | 40 | do. | 13 |  |  | 10965 | Baked. Dark. U. I, cor. of large tablet. 5.4 $\times 5.5 \times 2.1$. Iiiscr. $13(0)+.5(\mathrm{R})+$.18 Ii. Payments. Record of payments. |
| 106 | 40 | do. | 14 | 6 |  | 3074 | Baked. I.ight terra. U. R. cor. wanting. A copy (gabri) $5.6 \times 7.5 \times 2.3$. Inscr. 9 (O.) $+7($ R. $)=16$ li. Record of a loan with promissory condition. |
| 106a | 61 | do. | 14 | 7 | 1 | 11262 | Baked. Well preserved. $2.3 \times 3.2 \times 1.5$. Inscr. 4 (O.) 4 (R.) - 8li. Record of payments. |
| 106b | 61 | do. | 14 | 7 | 7 | 11265 | Unbaked. $2 \times 2.3 \times 1.4$. Iiiscr. 4 (O.) +2 (R.) $=6$ li. A payment. |
| 106 c | 61 | do. | 14 | 7 |  | 11263 | Unbaked. $3.1 \times 4 \times 1.5$. Inser. 6 (O.) +3 (R.) $=9$ li. Payments. |
| 107 | 40 | do. | 14 | 8 | 17 | 6641 | Baked. Light terra. O. slightly effaced. 2.0 $\times 1.3 \times 1.5$. Inscr. $5(0)+.3(\mathrm{R})=.8 \mathrm{li}$. Payment. |
| 108 | 40 | do. | 14 | 8 |  | 3058 | Baked. Light terra. Well preserved. Seal inipr. $3.8 \times 5 \times 2$. Iiiscr. $5(0)+$.1 (Lo. E.) +1 (R.) $=7$ li. Receipt given for wool received for another. |
| 108a | 61 | do. | 14 | 8 |  | 11264 | Unbaked. $2 \times 2.3 \times 1.4$. Inscr. 3 (O.) +2 (R.) $=5 \mathrm{li}$. Gift of an individual. |
| 109 | 41 | do. | 14 | 11 | 24 | 6087 | Partially baked. U. I. cor. wanting. $3.8 \times$ $4.9 \times 2.3 . \quad$ lnscr. $5(\mathrm{O})+.3 \quad(\mathrm{R})=.8 \mathrm{li}$. Payments. (?) |


| Text. <br> 110 | Plate <br> 41 | Reign. | Year <br> 14 | Month | Day | C. B. M. 3064 | Descriftion. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Kadashman-Turgu |  |  |  |  | Baked. Dark. Lo. R. cor. wanting. Effaced on O. Rev. $8.8 \times 5.5 \times 22$. Inscr. 16 (O.) +12 (R.) $=28$ li. List of payments. |
| 111 | 41 | do. | 14 | 12 |  | 3059 | Raked. Light terra. Well preserved. A copy (gabri). $6 \times 4.2 \times 1.8 \quad$ Inscr. $10(\mathrm{O})+$. $(\mathrm{K})=.22 \mathrm{li}$. Record of a loan with promissory condition. |
| 112 | 42 | do. | 14 |  |  | 3075 | Baked. Dark. Lo. end nanting. $5.4 \times 8.1 \mathrm{X}$ 22. Inscr. $12(\mathrm{O})+.8(\mathrm{R})=$.20 li. Record of tax collect ons. |
| 113 | 42 | do. | 15 | 9 |  | 3072 | Bakcd. Light terra. Well preserved. $5 \times 7 \times$ 1.9. Inscr. $7(\mathrm{O})+.3(\mathrm{R})=.10 \mathrm{li}$. Record of salary payments. |
| 114 | 43 | do. | 15 |  |  | 3078 | Baked. Dark. U. R. cor. wanting. $6.5 \times 9$ $\times 2$ 4. Inscr. 12 (O.) $+11(\mathrm{R})=.23 \mathrm{li}$. Record of tax collections. |
| 114 a | 61 | do. | 16 |  |  | $\text { E.A.H. } 179$ | 9 Baked. Well preserved. $6.5 \times 4.3 \times 2$. Inscr. 15 li . Record of collections. |
| 114b | 61 | do. | 15 | 3 | 3 | 3048 | Baked. Light. Rev. broken away. $6.2 \times 5.8$ <br> $\times 2$. Inscr. 15 li . Rrcord of collections. |
| 115 | 43 | Kadashman-Bêl | 1 |  |  | 3065 | Baked. Dark. Well preserved. $4 \mathrm{r} 6 \times 6.2 \times 2$. Inscr. 7 (O.) $+7(\mathrm{R})=.14 \mathrm{li}$. A ropy (gabri). Record of a debt with promissory condition. |
| 116 | 43 | do. | 6 | 11 |  | 6077 | Unbaked. Dark. Well preserved. $2 \times 8 \times 3.1$ X1.4. Inscr. 6 (O. $)+4$ (R.) $=10$ li. Receipt, |
| 117 | 44 | do. |  | 12 |  | 10979 | Unbaked. IL L. cor. broken away and otherwise injured. It is either a copy or an inside tablet. 1 I $\times 4 \times 6.7 \times 2.8$. Inscr. 6 (O.)li. Payment of salaries. |
| 117a | 62 | $K u d u r-B \hat{c} l$ | 3 | 6 | X | 6157 | Unbaked. Cracked. 4.2 X5.9 X3.2. Inscr. 9 <br> li. List of cereals. |
| 117b | 62 | do. | 4 | 9 | X | 6088 | Unbaked. Dark. $3.9 \times 5 \times 2$. Jnscr. $6(\mathrm{O})+$. 1 (Lo. E.) +6 (R.) = 13 li. |
| 118 | 44 | do. | 5 | 4 | 5 | 6084 | Baked. Black. Crarkcd and effaced. $9.15 \times$ $6 \times 2.2$ Inscr. 18 (O.) +16 (R.) $=34 \mathrm{li}$. Record of tax collections. |
| 119 | 45 | do. | 5 | 2 | 20 | 6152 | Unbaked. Dark. L. half of tablet. Fire thumbnail marks on L. E. $9 \times 5.7 \times 2.4$. Insrr. 19 (O.) $+2($ Lo. E. $)+19(\mathrm{R})+.1(\mathrm{U}$. E.) $=41 \mathrm{li}$. Frag. of a contract. |
| 120 | 45 | do. | 5 |  | 2 | 6124 | Unbaked. Upper half of tablet. $7.9 \times 6.3 \times$ 2.5. Jnscr. $27(\mathrm{O})+.18(\mathrm{R})=.45 \mathrm{li}$. Payment. |
| 121 | 46 | do. | 6 | 2 | 12 | 6076 | Unbaked. $3.1 \times 3.45 \times 1.8$. Insrr. $5(\mathrm{O})+$. $5($ R. $)+1(\mathrm{U} . \mathrm{E})=$.11 li. Receipt. |


| Text. 122 | $\begin{gathered} \text { Plate. } \\ 46 \end{gathered}$ | REIGN. Kudur-Bèl | Year. 6 | $\begin{gathered} \text { Month } \\ 11 \end{gathered}$ | $\begin{gathered} \text { DAY } \\ 29 \end{gathered}$ | $\begin{gathered} \text { C. B. M. } \\ 6160 \end{gathered}$ | Description. <br> Unbaked. $2.7 \times 3.5 \times 1.8$. Inscr. $6(0)+$. $($ R. $)=13$ li. Receipt. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 123 | 46 | do. | 8 | 10 | 5 | 3531 | Baked. Dark. Cracked and effaced. 6 thumbnail marks on I. E. 8.7X5.2X2.2. Inscr. $14(0)+.12(\mathrm{R})=.26 \mathrm{li} . \quad$ Sale of an $\mathbf{o x}$. |
| 123a | 62 | do. | 8 | 12 |  | E.A.H. 18 | ked. $5.4 \times 7.7 \times 2$. Inscr. 15 li . |
| 124 | 47 | do. | 9 | 12 |  | 6163 | $\begin{aligned} & \text { Unbaked. Black. Rev. chipped. } 3.7 \times 4.5 \times \\ & \text { 1.7. Inscr. } 5(\mathrm{O} .)+3 \text { (Lo. E.) }+11 \text { (R.) } \\ & =19 \mathrm{li} . \end{aligned}$ |
| 125 | 47 | do.(?) | 13 |  |  | 10731 | Baked. Dark. Ob. much cffared. $6 \times 7.8 \times$ 2.2. Inscr. $11(\mathrm{O})+6=$.17 li. List of payments. |
| 126 | 48 | Shagarakti-Shuriash | Acc. | 3 |  | 6078 | Unbaked. Very dark. 5.1 X3.6 $\times 1.9$. Inscr. 8 (O.) +7 (R.) $=15$ li. Payments. |
| 127 | 48 | do. | Acc. | 5 | 14 | 3341 | Baked. Dark. Well prescrved. Seal impr. $6.6 \times 4.8 \times 2$. Inscr. $12(\mathrm{O})+.8(\mathrm{R})=$. li. Hire of slaves. |
| 128 | 48 | do. | 1 | 3 | 3 | 3329 | Baked. Dark. Effaced. $6.7 \times 10.7 \times 2.5$. Inscr. 1 (U. E.) $+12(\mathrm{O})=.13 \mathrm{li}$. Collections (?). |
| 128a | 63 | do. | 2 | 2 | 2 | 12909 | Unbaked. $6.8 \times 5.5 \times 2.2$ Inscr. 14 (O. $)+$ 3 (Lo. E.) +12 (R.) $=29 \mathrm{li}$. |
| 129 | 49 | do. | 3 | 5 | 21 | 6156 | Baked. Light. Lo. part wanting. 5 thumbnail marks on L. E. $6.2 \times 4.3 \times 1.8$. Inscr. 11 (O.) +8 (R.) = 19 li. |
| 130 | 49 | do. | 5 | 3 |  | 6640 | Unbaked. Ob. chipped. $3.6 \times 4.5 \times 1.7$. Inscr. $7(O)+.5($ R. $)=12$ li. List of payments. |
| 131 | 49 | do. | 6 |  |  | 12911 | Partially baked. Black. Lo. 1. cor. and T. R. wanting. $8 \times 4.8 \times 2.3$. Inscr. 15 (O.) $+8($ R. $)=23$ li. List of payments. |
| 132 | 50 | do. | 6 |  |  | 3490 | Baked. Black. U. half of tablet. $9.5 \times 8.5$ <br> X3. Insrr. 3 (U. E.) +26 (O.) +25 (R.) $=54$ li. Collection of taxes (?). |
| 133 | 51 | do. | 7 | 1 | 30 | 6086 | Baked. Dark. U. I,. cor. wanting. 4.6X6.8 X2. Inscr. 6 (O.) +7 (R.) $=13$ li. Payments. |
| 134 | 61 | do. | 8 | 3 |  | 6121 | Unbaked. Well prcserved. $2.4 \times 2.5 \times 1.5$. Inscr. 4 (O.) $+3(\mathrm{R})=$.7 li. Payment. |
| 135 | 51 | do. | 8 | 4 | 9 | 12908 | Partially- baked. Lo. E. cffaced. 6 thumbnail marks on L. E. $5.5 \times 4.2 \times 1.7$. Inscr. 11 (O.) +2 (Lo. E.) +9 (R.) $=22$ li. An agreement to assume a debt for which a priest had been in imprisonment. |
| 136 |  | do. | 9 | 5 |  | 6092 | Baked. Dark. U. R. and Lo. L. cor. wanting. <br> $8.1 \times 11.7 \times 2.8$. Inser. 3 (U. E.) +14 (O.) <br> $+\mathbf{1 4}(\mathrm{R})=.31 \mathrm{li}$. Record of collections. |


| Text. 137 | Plate. <br> 52 | Reign. <br> Shagaralt'-Shuriash | $\begin{gathered} \text { Year } \\ 10 \end{gathered}$ | $\begin{gathered} \text { Month } \\ 8 \end{gathered}$ | $\mathrm{D}_{\mathrm{AY}} .$ | $\begin{aligned} & \text { C. B. M. } \\ & 12910 \end{aligned}$ | Description. <br> Baked. Dark. Upper part injured. Seal impr. $7.8 \times 5.2 \times 1.3$. Iiiscr. $12(\mathrm{O})+.15(\mathrm{R})=$. 27 li. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 135 | 53 | dc. | 12 | 9 | 10 | 3519 | Partially baked. ("racked and effaced. $9 \times$ $5.5 \times 2.7 . \quad \operatorname{lnscr} .17(\mathrm{O})+.16(\mathrm{R})=.33 \mathrm{li}$. Payments in butter to temple servants. |
| 139 | 53 | do. | 22 | 3 |  | 6089 | Baked. Dark. Lo. end wanting. $3.5 \times 4.4 \times 2$. lnscr. 5 (O.) +4 (R.) $=9$ li. |
| 140 | 53 | do. |  | 11 | 9 | 6122 | Unbaked. Effaced on R. $2.5 \times 3.2 \times 1.5$. Inser. 4 (O.) +1 (Lo. E.) +3 (R.) $=8$ li. |
| 141 | 54 | do. |  |  |  | 10175 | Unbaked. Frag. $4.2 \times 5.6 \times 2.3$. Inscr. 9 (O.) li. |
| 142 | 54 | do. |  |  |  | 3477 | Unbaked. Upper part of large tablet. 13.6 $\times 11 \times 3.7$. Inscr. 40 (O.) li. List of temple attaches. |
| 143 | 55 | Bitiliashu | 5 | 8 | 17 | 6611 | Baked. Dark. Frag. $7.4 \times 5.2 \times 1.9$. Inscr. $6(\mathrm{O})+.4(\mathrm{R})=.10 \mathrm{li}$. |
| 144 | 55 | do. | 6 |  |  | 3351 | Unbaked. Poorly preserved. $3.8 \times 5 \times 1.8$ Iiiscr. 6 ( O.$)+3$ (R.) $=9 \mathrm{li}$. |
| 145 | 55 | do. |  | 6 | 12 | 10570 | Unbaked. R. E. broken away. $3.5 \times 3.9 \times$ 1.9. Inscr. 8 (O.) +2 (Lo. E.) +9 (R.) $=$ 19 li. |
| 146 | 63 |  |  |  |  | $\text { E.A.H. } 181$ | Baked. $5 \times 8.4 \times 2.3$. Inscr. 5 (0.)li. List of payments. |
| 147 | 63 |  | 10 | 12 | 1 | $\text { Е.В.Н. } 152$ | 2 Baked. Well preserved. $3.1 \times 3.7 \times 1.9$. Inscr 6 (O.)li. liecord of payments. |
| 148 | 64 |  |  |  |  | 12895 | Unbaked. I. edge broken away. 12.8X5.5 X2.5. Iiiscr. 30 (O.) +28 (R.) $=58 \mathrm{li}$. Record of payrneiits to shrines and individuals. |
| 149 | 64 |  | 22 | 11 | 21 | 3527 | Unbaked. $4.3 \times 5.7 \times 2$. Iiiscr. 6 (O.) 1 (Lo. E. $)+5(12)=.12 \mathrm{li}$. |
| 150 | 64 |  | 6 | 12 | 15 | 3356 | Partially baked. $2.7 \times 4 \times 1.7$. Iiiscr. 4 (0.) +2 (Lo. E.) +3 (R.) $=9$ li. Payment. |
| 151 | 65 |  |  |  |  | 6150 | Baked. $9.5 \times 5.7 \times 2.4$ Inscr. 16 ( 0.$)+22$ $($ R. $)=38$ li. List, of temple attaches. |
| 152 | 65 |  |  |  |  | 10421 | Unbaked. $6.7 \times 4 \times 1.8$. Inscr. $17(0)+$. $(\mathrm{R})=$.27 li. Payments. |
| 153 | 65 |  | 16 | 3 | 26 | 12900 | Unbaked. $3.5 \times 4.2 \times 1.9$. Inscr. $6(0)+$. (It.) $=7$ li. Payment. |
| 154 | 66 |  | 16 | 11 | 17 | 3357 | Unbaked. $2.2 \times 3.3 \times 1.6$. Inscr. 4 (O.)t 3 $($ It. $)=7$ li. Payments. |
| 155 | 66 |  | 22 | 9 | 24 | 3353 | Unbaked. $2 \times 4.3 \times 1.5$. Inscr. 4 (O.) 1 (Lo. <br> E. $)+5($ R. $)=10$ li. Record of payments. |
| 156 | 66 |  | 25 | 8 | 9 | 3359 | Unbaked. $2.7 \times 3.5 \times 1.7$. Inscr. $3(\mathrm{O})+$. $($ L.o. E. $)+4($ R. $)=8$ li. Payment. |
| 157 | 66-67 |  |  |  |  | 12899 | Unbaked. Frag. $14 \times 12.5 \times 4$. Inscr. 45 (O.) +56 (K.) $=101 \mathrm{li} . \quad$ List of garments. |


| Text 158 | Plate. $67$ | Reign. | Year. 18 | $\begin{gathered} \text { Month. } \\ 11 \end{gathered}$ | $\begin{gathered} \text { DAY } \\ 25 \end{gathered}$ | $\begin{gathered} \text { C. B. M. } \\ 3362 \end{gathered}$ | Deschiption. <br> Baked. $2.8 \times 3.7 \times 1.7$. Inscr. 4 (O.) +2 (Lo . E. $)+5($ R. $)=11 \mathrm{li} . \quad$ Receipt. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 159 | 67 |  | 24 | 9 | 9 | 3639 | Unbaked. $3.7 \times 4.6 \times 1.7$. Inscr. 7 (O.) +7 $($ R. $)=14$ li. Payments. |
| 160 | 68 |  | 16 | 2 | 12 | 3368 | Unbaked. $2.5 \times 3.4 \times 1.9$. Inscr. 4 (O.) +1 (Lo. E.) +3 (R.) $=8 \mathrm{li}$. Receipt. |
| 161 | 68 |  | 23 | 7 | 26 | 3365 | Cnbaked. $2.5 \times 3.5 \times 1.7$. Inscr. 3 (O.) +3 (Lo. E. $)+2($ R. $)=8$ li. Payments. |
| 162 | 68 |  | 24 | 1 | 12 | 10950 | Unbaked. $9.3 \times 6 \times 2.2$. Inscr. 8 (O.)li. Record of a herd of animals. |
| 163 | 68-69 |  |  |  |  | 10418 | Unbaked. Fmg. $14.5 \times 10.5 \times 3$. Inscr. 30 (O.) $+31($ R. $)=61 \mathrm{li} . \quad$ List of jars, etc. |
| 164 | 69 |  |  |  |  | 11432 | Unbaked. $8.2 \times 5.2 \times 2.4$. Iiiscr. 10 (O.) li. List of soldiers furnished by individuals and estates. |
| 165 | 69 |  | 22 | 12 | 27 | 11441 | Partially baked. $4.5 \times 5.7 \times 1.8$. Inscr. 7 li . |
| 166 | 70 |  |  |  |  | 3642 | Baked. Dark. $7.3 \times 4.6 \times 2$. Iiiscr. 14 (0.) $+11(\mathrm{R})=.25 \mathrm{li}$. |
| 167 | 70 |  | 25 |  |  | 3413 | Unbaked. $9.3 \times 6 \times 2.6$. Inscr. 18 (O.) +17 $(1 R)=$.35 li. Payment for salaries and maintenance. |
| 168 | 71-72 |  | 11 |  |  | 3293 | Baked. Light terra. 17. end wanting. $7.4 \times$ $24.2 \times 4$. Inscr. $34(0)+.27(\mathrm{R})=.61 \mathrm{li}$. Record of collections. |

## II. Photographic (half-tone) Reproductions.

| TEXT. $1$ | Plate. | IREREN. | Year. <br> 14 | Montit. | Day. | С. 13. M. | Deschiption. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Kadashman-Turgu | 14 | 8 |  | 11264 | Cf. description of test So. 108a. |
| 2 | I | do. | 10 | 1 |  | 3066 | Cf. descriptioii of text No. 97. |
| 3 | I | do. | 14 | 7 | 7 | 11265 | Cf. descriptioii of test No. 106b. |
| 4 | I | Burna-Buriash | 8 | 1 | 3 | 12897 | Cf. descriptioii of text No. 3a. |
| 5 | I | Nazi-Marutlash | 15 | 5 | 3 | 6161 | Cf. description of test No. 67. |
| 9 | I | Bitiliashu | 16 | 11 | 17 | 3357 | Cf. descriptioii of test So. 154. |
| 7 | I | Nozi-Maruthash | 19 | 3 | 4 | 3014 | Cf. descriptioii of test No. 76. |
| 8 | I | do. | 25 | 8 | 9 | 3359 | Cf. deseription of test No. 156 . |
| 9 | I | Burna-Buriash | 12 | 4 | 8 | 1098 ${ }^{\text {2 }}$ | Cf. description of text No. 6. |
| 10 | I | Kadashman-BCl | 6 | 11 |  | 6077 | Cf. descriptioii of text So. 116. |
| 11 | I | Shagharakti-Shuriash |  | 11 | 9 | 6122 | Cf. description of text No. 1-10. |
| 12 | I | do. | 22 | 9 | 24 | 33.53 | Cf. descriptioii of test No. 155. |
| 13 | I | Kudur-Bel | 6 | 2 | 12 | 6076 | Cf. descriptioii of text So. 121. |
| 14 | I | Kuri-Galzu. | 18 | 10 | 16 | 3035 | Cf. description of test No. 30. |
| 15 | I | Kudur-Bel | 6 | 11 | 29 | 6160 | Cf. descriptioii of text Xo. 122. |
| 16 | II | Nazi-Maruttash | 5 | 2 |  | 3002 | Cf. description of text No. 48. |
| 17 | II | do. | 11 | 2 |  | 3003 | Cf. deseription of text So. 52. |
| 18 | II | do. | 21 | 1 | 12 | 10050 | Cf. description of text No. 162. |


| Text | Plate | Meide. | Year | Month | Day | C. B. M. | Description: |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19 | III | Kuri-Galzu | 13 |  |  | 3491 | (If. dcscription of test No. 19. |
| 20 | IV | Kadashman-Turgu | 13 | 9 |  | 3070 | Cf. description of text No. 101. |
| 21 | IV | Nazi-Marutlash | 13 | 2 |  | 3018 | Cf. description of test No. 57. |
| 22 | V, VI | do. | 13 | 11 |  | 3323 | Cf. description of text No. 58. |
| 23 | VII | do. | 14 | 7 | 3 | 3028 | Cf. description of test No. 60. |
| 24 | VII | do. | 14 | 9 | 11 | 3054 | Cf. description of test No. 62. |
| 25 | VIII | do. |  |  |  | 12898 | Cf. description of test No. 148. |
| 26 | IX | Shayarakti-Shuriash | Ace. | 5 | 14 | 3341 | Cf. description of text No. 127. |
| 27 | 14: | Burnu-Buriash | 6 | 9 | 8 | 6051 | Cf. description of text No. 2. |
| 28 | X | Shagorthit-Shuriash | 8 | 4 | 9 | 6055 | Cf. descriptioii of text No. 135. |
| 29 | X | Burna-Buriash | 21 | 8 | 8 | 6050 | Cf. description of test No. 8. |
| 30 | XI | Kuri-Galzu |  |  |  | 6047 | Cf. description of text No. 39. |
| 31 | XII | Nazi-Maruttash | 12 | 9 | 5 | 3009 | C'f. description of text So. 55. |
| 32 | XII | Nazi-Marultash | 24 | 11 | 17 | 3008 | Cf. descriptioii of test No. 86. |
| 33 | XII |  | 24 | 2 | 1 | 10968 | Unbaked. Seal impr. on case and tablet. Case $4.35 \times 4.95 \times 2.9$. Tablet $3.15 \times 4.05$ $\times 1.8$. |
| 34 | XII |  | 7 | 5 | 8 | 6653 | Unbaked. Scal impr. on all sides. Case 4.3 $\times 5.2 \times 3.1$. Tablet $2.9 \times 3.8 \times 1.6$. |
| 35 | XIII | Nazi-Marutash | 24 | 11 | 17 | 3008 | Cf. description of test No. 86. |
| 36 | XIII | do ${ }^{-}$ | 12 | 5 |  | 3125 | Cf. description of test No. 30 of Vol. XV. |
| 37 | XIII | do. | 16 | 1 | 17 | 3150 | Cf. description of test No. 55 of Vol. XV. |
| 38 | XIII | do. | 17 | 11 | 6 | 3274 | Cf. description of test No. 77 of Vol. XV. |
| 39 | NIV | Shagarahti-Shuriash | 10 | 8 |  | 6056 | Cf. description of text No. 137. |
| 40 | xiv | Nazi-Maruttash | 24 | 9 | 6 | 3351 | Cf. description of test No. 85. |
| 41 | xIV | do. | 22 | 2 | 23 | 3339 | Cf. description of text No. 78. |
| 42 | XIV | do. | 11 | 8 | 2 | 3053 | Cf. description of text No. 53. |
| 43 | SIV | do. | 24 | 4 |  | 3361 | Cf. description of text No. 83. |
| 44 | XIV | Kuri-Galzu | 18 | 8 | 5 | 3033 | Cf. doscription of text No. 27. |
| 45 | xiv | Nazi-Maruttash | 24 | 4 |  | 3361 | Cf. description of text No. 83. |
| 46, 47 | XIV | do. |  |  |  | 3233 | Baked. Seal impr. on all sides. |
| 48.1 | XV | do. | 10 | 2 |  | 3153 | Cf. descriptioii of text No. 25 of Vol. S V . |
| 48.2 | XV |  | 12 | 7 | 2 | 3165 | Cf. description of test No. 31 of Vol. S V . |
| '18.3 | XV | Awi-Gaza | 18 | 8 | 5 | 3033 | Cf. description of text No. 27. |
| 48.4 | XV |  | 18 | 11 | 13 | 3129 | Cf. description of test No. 86 of Vol. XV. |
| 48.5 | xV |  | 21 | 6 | 21 | 3187 | Cf. description of test No. 114 of Vol. XV. |
| 58.6 | XV |  | 15 | 9 |  | 3176 | Cf. description of test No. 48c of Vol. XV. |
| 48.7 | XV |  | 24 | 1 | 1 | 3127 | Cf. description of text, So. 138 of Vol. XV. |
| 48.8 | SI' |  | 17 | I | 12 | 3135 | Cf. description of test No. 65 of Vol. XV. |
| 48.9a | XV |  | 8 |  |  | 3454 | Cf. description of text No. 20 of Vol. XV. |
| 48.9 b | xV |  | 13 |  |  | 3116 | Cf. description of text So. 38 of Vol. XV. |
| 48.10a | XV |  | $z$ | 3 | 27 | 3273 | Cf. description of text No. 8 of Vol. XV. |
| 48.10b | XV |  | 4 | 6 | 16 | 3453 | Cf. description of text No. 14 of Vol. XV. |
| 48.11 | XV |  | 17 | 7 | 13 | 3331 | Cf. description of text No. 70 of Vol. S V . |

## LIST OF SIGNS

From Tablets of the Cassite Perion．

| 1． p <br> 2． <br> 3．$\gg 1$ <br> 4．有 <br>  <br> 5．为变 <br> 领人 <br> 6．HA <br> 7．$\stackrel{\rightharpoonup}{4}$ <br> $H^{A}$ 4 5 | ash，rum，til． <br> hal． <br> bal，pal． <br> $a n$. | 以平以 <br> 教憵 <br> 築简时等 <br>  <br> 袋齐 <br> 评闌荷 <br> 暲 Wh <br> 此以 <br> 旰呯 <br> 哄 以留 <br> 呼㖕 <br> 汗䂪 <br>  <br>  <br>  <br> 旰铞烒 <br>  <br>  <br>  <br>  <br>  | ina． <br> nadònu． <br> Ishtar． <br> erêshu． <br> irrishu． <br> ikkaru． <br> Arahshamna． nurfabu． <br> pashâru． <br> pashâru． <br> ilu． <br> êlù． <br> Ishtar． <br> Ea． <br> Ashur． <br> Ishtar． <br> Nabu． <br> Sin． <br> Bêl． <br> Girru． <br> Nusku． <br> A murru． <br> Sukal． <br> Papsukal． <br> Ishtar． | 3．-FY <br> 日．陆 $x_{1}^{\prime}$ <br> 10．第 <br> HT <br> 抳 <br> 旂 <br> 暴 <br> 1．1．局 <br> 12. <br>  <br> 2． | muk，mug． $a k, a q$ <br> er： |  | Nergal． <br> Sin． <br> Nergal． <br> Damqu <br> Shalmu <br> Shamash． <br> Bêl． <br> Rammân． <br> Ai． <br> Ea． <br> Kubu． <br> Bau． <br> Sibi． <br> Sir． <br> Rammân． Ashur． <br> Nabu． <br> alu． <br> amêtâtu． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |





| 76. <br> 77. <br> 78. <br> 79. <br> 80. <br> bixa <br> 81. <br> 82. <br> 83. <br> 84. <br> 88. <br> 人 | $d u$ ， <br> tum． <br> ram． <br> shim，rik． <br> Cf．76．112． <br> Cf． 136. <br> Cf． 136. <br> $k a$. <br> $K A$. <br> ila． <br> pi－ | 唯算路 <br>  <br> 络会酮 | kânu． <br> alâku． <br> rimu． <br> madâdu． <br> shîmu． <br> hashâlu． âshipu． <br> arkûtu． <br> arku． <br> arbu． <br> $p \hat{a}$ ． <br> suluppu． <br> nashû． <br> alpu． <br> Marduk． bûru． |  | ish，mil． <br> il． <br> zir． <br> Cf． 77. <br> （f． 132. <br> $n e, b r i l$. <br> bil． $u b, u p, a r$ <br> $t a t h$. | 1 㱜人 2 －A M A <br>  <br>  | niqu． <br> $n i q u \hat{u}$. <br> shîru． <br> ㅎ $A b u$ ． <br> Girru． <br> sêru． <br> $d i s h p u$. <br> babu． <br> abullu． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |



|  |  |  |  | 评品分分 | \％ |
| :---: | :---: | :---: | :---: | :---: | :---: |







# QUNEIFORM 

TEXTS


Pl. 2

## 2



6





SO


3












$\cdot 10$




15

## 6

$o$.


Lo. E.





## 5







Lo. E







## 8




10


Continued
Pl. 7


11
0.


15 AF rif AY左
2 7茾

L. E. I 1


PI． 9
等等


Lo．E． 5

R．领度辛



6 迢（A）
Lo．E


15







14

$R$ ．


16
o．


R．



19



PI. 19


6

$R$.



20



Lo. E.



24


PI. 14




0. $M$ Mry
茂 品

R. 5 AY M A AN





33
U.E.


## 34



U. E.


35

## 0.



$$
6
$$





## 38



## 39



Lo. E.

$$
0
$$


20

20



42


43




酸






45
0.
$R$.




10
 48


15 边

R．
U．E．


R．衤 A












Case．



## 52




䐕伿
5

只全


Lo．E． 15


53
 55



5 奣坐里
 H7T㧱 4


## 54

o．枡等
H青 努外


5 的第A $4 \in$




Lo．E． 5




56


59
0.这





众 从 而会



57


58

Continued



## 61

0. 










63
64



Lo.E. 5 EXf
R. A M N


o. STY

FY 年


R. 5




Pl． 30

67


 Y专我等 4
Lo．E． 5 4y
$R$ ．



70

##  <br>  <br> 4 <br>  <br> 需 <br> 人

71
0.1 开


 （6）
厓 Lo．E． 5 Mef ner

R．金

0.

6

$R$ ．



O．


## 72






 10 桧



## 73


R.



75




跲算

76









79


(1)

R. $\bar{Y} 44 \times 2$


Pl. 33


6

R.


10


- -12




0. 


A 4, 解


84



86
Case.
Tablet.


$O$.


Lo. $E$

Lo. F. A 可






L. $E$.

Lo. L. E. O
0.


89






$$
92
$$



90
$o$.


等硣坆

o．











令
0.

$$
\text { 组 } 7 \times 7
$$

$R$ ．

人边








102
101


R. 16


103




PI. 42
112
0. 4 Y公

$R$.




## 113



面


0.












117


R．在 晓 会
复
减 M M
10 Mry


118





121
难 $r$ 年
 )


o.

YH
R. CFH






134
0.


$R$.







726


踥


5y


$R$.







$R$.



L.E. $1 / 1$

130
$R$.


20




10



## 733

0. 


R. स स Mr






## 735





Lo. $E$.





R.




142



## 144

0. 



Lo. E. 源 Y Y






## 9 a.









41 a．
46 a．




边 程峌 笑



48 a．




5 然聠





80 a．





下全 品

组局

87 a．



$R$ ．



$91 a$.
Pl． 58


効


H—S


7気


R．




|  | 戓年 |
| :---: | :---: |
|  |  |
|  |  |
|  |  |



Continued




化 镇


钓命
106 c．


全变域


108 a．

 W WM以



$$
1146 .
$$

$114 a$.




## $117 b$.

## 117 a



123 a.





Pl． 63

## 128 a．










10

评茾当
















146


众 Y 能 $=1 A A$ A 桇


Pl. 64


Pl. 65

151




0. Mer 度







 15 有 4 ,










## 153







Erosure.









MAXY公旰企厈
而踏肝造



篤积
 －－1日 胃

R． 5 友黄 双选水开全务


Continued




Obverse.





10
Obverse.


|  |  |
| :---: | :---: |
|  |  |

26

167
Reverse.





35






LEASES OF ANIMALS.
No. I6 of sheep and goats, Nos. 17 and 18 of cattle.

OBVERSE.

REVERSE.



PAYMENT OF TEMPLE STIPENDS.
No. 21 has check-marks.

PAYMENT OF TEMPLE STIPENDS TO THE DIFFERENT MEMBERS OF FAMILIES FOR TWELVE MONTHS.

22. PAYMENT OF TEMPLE STIPENDS TO THE DIFFERENT MEMBERS OF FAMILIES FOR TWELVE MONTHS.


PAYMENT OF TEMPLE STIPENDS TO THE HEADS OF FAMILIES, MENTIONED IN No. 22.

PL. VIII




OBVERSE.


REVERSE

DOCUMENTS CONCERNING THE HIRE OF SLAVES

28. AN AGREEMENT TO ASSUME A DEBT FOR WHICH A PRIEST W AS IMPRISONED.

29 A JUDGMENT RENDERED IN A DISPUTE CONCERNING THE OWNERSHIP OF A FIELD.


30

AN INCOMPLETE DOCUMENT.
A judgment rendered in a dispute concerning the ownership of a field.



Nos. 35, 36 and 37. SHOWING HOLES MADE BY THE SISSIKTU.
No. 38 IS A TABLET MOULDED AROUND A POTSHERD.



48
TABLETS WITH SEAL IMPRESSIONS.

## Admitions and Corrections.

## Vol. XIV.

Page 3, line 3, read: (Gir-ri-at-ab-ba instead of Gir-ri-a-ab-bi.
Puge 19, li. 1, read: The side, ete., instead of: This side, etce.
Page 22, li. 1, rettl: I hitw shizhm, instead of Ill ithe shizhu.
Pages 27 and 28 , acad: Jyyar, instad of I yar.
Page 32, in the heading of tablet bencath naphar, read: she'tom instead of skotum.
Page 33, li, 15, read name: m-ne-shari-Marduk, harrinu.
Page 35, li. 25, read name: Idmanni-shomash, instead of Idami-shamash.
Page 35, next to last line, read: mSin-bat-ilani, instad of ilant.
Page 37, rad name: Man-mu-i-dhnnin-i-da-as(idut, /D)-su.
Page 37, li. 12, read: Tammaz, instead of: Tammm.
Page 18, read: $a^{\text {N }}$ ibeumu( $d, S /-M O-T U$-na-si ir, instead of nu-xi-ir.
II. 44, 118: 20 add a perpendicular wedge fo the chatacter following be and read: mpe-la-nut.


## Additional Corrections to Vol. XV.


Page 3, li. 5, omit: $N / N-S H I R$.
Page 16, li. 15, read: shat instead of $K O-U D$.
Page 16, li. 23, onit: "in white flour."

Page 37, add the mame: Wi-mi-Bêti(-ti)-A $k \cdots a-d i, 52: 6$.
1agrs 51, omit: (cf. BIR SHJ LUM-SHU-BU'BE, Vol, XIV).
Page 51, read: $N /-S W R$, instead of $N T$-SVh.
Page 55 , the god read: Si-mu-ti, should be: Nibeanu(SI-iVU-'tI).

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[^0]:    ${ }^{1}$ Cf. Peters, Nippur, Vol. II, p. 188, and Hilprecht, Excavations in Assyria and Babylon, p. 340.
    ${ }^{\Sigma}$ Cf. Pcters, ibid, Hilprecht, ibid, p 563, and Fisher, Amrican Journal of Archeology, Vol VIII, No 4, p 403

[^1]:    ${ }^{1}$ Nos. $1,2,7,8,11,39,40,41,119,123,127,1288,129$ and 135 .
    ${ }^{2}$ That these tablets belong to the ame genemal of is poved by the fact that the officials mentioned prominently in them: Innannu (L. A. H. 190, 192), Sin-issabra (H. A. H. 187), Jrimsho-Nint (185, 191), ctc., are frequently fomud in the texts of these archives.
    ${ }^{3}$ The largest tablet of this Cassite collention (H. A. H. 195) Dr. Radmu does mot mention heyond chassifying it as Neo-Babylonian, of. p. 321 of his work. It is dated in the reign ol Kadashmanturgu. Ste No. Gom on Pater be and 60 of these lexts.
    
     of the dich, botan shall make good." For the root I wond nuggent ity. It may have also a secondary meaning namely "taxes"; ff. Muss-Armolt, Assyrion Dictionary, p. 1 titi; but these texts show that its primary meaning is
     the full tax which is from the crop of the fields of the 22 nd your."

[^2]:    'After the plates were arranged I concluded that the name of the ruler in 125: 1, is to be restored Ku[ri-Galzu] instead of $K u[d u r-B r t]$.
    ${ }^{5}$ Most of the undated tablets can readily be dated; for example, So. 146 bears the name of the official Innanu, who conducted the storehouse affairs during the reign of $I^{\circ}$ ari-Galzu. Nos. 151 and 158 doubtless belong to tlie time of Nazi-Maruttash, as it was especially in that reign that the official Martuku was at the head of affairs. By noting where the names found on the tablets, whose dates omit the ruler's name, occur in those bearing complete dates, it is possible to fix approximately the reigns to which they belong. Cf. Introduction to Vol. XV, p. 2.

[^3]:    ${ }^{\mathbf{1}}$ The order of kings based on the list and other sources is: Nazi-Manuttash, Kadashman-Turgu, Kadash......, Shagarakti-Shuriash.
    $\overline{=}$ Mar-Irimshu-NINIB n-hose name is found in No. 136, belonging to the reign of Shagarakiti-Shuriash, is doubtless his son.

[^4]:    ${ }^{1}$ It seems that great care was taken to keep the different hinds of taxes separate; of $\mathrm{SV}, 115$, in which is itemized account GISH-BAR tab-ki, GISH-BAR KU-QAR and GISH-BAR $10 q a$, are spccificd as having been paid.

[^5]:    ${ }^{1}$ She'um GISH-BAR 6 qa sha r-na libbi te-li-ti sha shattu $12 k a n$ Na-zi-Mu-ru-ut-to-ash ı na Za-rat-IM ki a-na ishshakucoll nadnu
    ${ }^{2}$ She'um GISII-BAR 6 qa sha $\imath-n a \operatorname{Bit}-N I N-I B$ apal-iddina a-na qpu(SHL-BA) sha ardi êkalli nadnu.
    $=S I I E-B A R$ GISII-BAR-GAL sha a-na KU-QAR I $q q q u$ u KA-ZID-DA a-ncr. Nippun mbu-ra-hru ish-shu-ú.
    ${ }^{4}$ She' $u m$ GISH-BAR-GAL bit bli a-na ir-ri-shu " ga-at ti-ni sho Za-rat-IMhi r-na arhu 1 rahshamna shattu 13 kan nadnu(-nu). On qatinnu, ef Johns Doomsday Book, p. 64.

[^6]:    ${ }^{2} K A-Z I D$ occurs 120 27. It is doubtless the same official read KA-DUR, King, Letters of Lammurabi, III, p 303. Cf. also $K A-Z I D-D A-K U$, Vol. XV. 41:5

[^7]:    ${ }^{1}$ This fact would scem to indicate that a goodly number of the small tablets in Vol XI, which give in the date only the day, month and year, were originally encased, especially as they have the appearance of being inside tablets.
    ${ }^{2}$.Journal of the Royal Asiatic Society, Oct , 1.905 , p 817.
    ; Early Babylonian Mistory, p 416
    ${ }^{4}$ In the same mamen is $D U B$ to be understood in the case tablets published in the Journal of the Royal Asiatic Society, Oct, 1905, p 817í

[^8]:    ${ }^{1}$ Dr. Pinches, Journal of the Royal Asiatic Society, p. 818, because of variants suggests " that the inner inscription mas really a rough draught.' '
    ${ }^{2}$ Cf. C. B. M. 10986. This may be due to the fact that the seribe did not intend to bake the document.

[^9]:    ${ }^{1}$ The sign in Nbk. $135: 4$, which in Die Sprache der Contracte Nabùna'id, p. 147, is placed among those of unknown value, is $D U B B I N$. Cf. also Dar. 367: 41.

[^10]:    ${ }^{1}$ On XIV, 106 , both the seal and the thumb-nail manks are recorded as belonging to the same individual kunukku u supur mMutakkil-Nusku

[^11]:    ${ }^{1}$ My attention mas called to this by Prof. W J Hinke of the Ursinus School of Theology

[^12]:    ${ }^{1}$ Cf Neu-Babylonisch-Assyrische Tafelschreibung, Stockholm Congress, Leyden, 1893 Vol II, p 272
    = Cf Johns Hopkins' Circular, Vol XXII, No 163. p 75.

[^13]:    ${ }^{\text {r }}$ In order to ascertaiii the angle of the stylus by careful measurements of the impressions upon the tablets, I submitted was impressions of twenty-four inscriptions to Professor Goodspeed, Director of the Department of Physics, who very kindly had, under his direction, a graduate student, Mr. Geo. C. Chambers, take the measurements. His results from about one hundred aiid twenty-five measurements follow:
    "The twenty-four inesriptions represent sir periods; that is, four belong to each. The periods represented are: 1. Sargon (temple archives); 2. Ur-Gur (votive cones from Telloh); 3. II Dynasty of Ur (contracts from Yokha); 4. First dynasty of Babyloii (contracts from Nippur); 5. Cassite dynasty (temple archives); 6. Archæmenian (Murashu documents). At least four measurements were taken for each tablet. The average measurement of the angle of the impressions of the Sargonic period was $93.98^{\prime}$; the Telloh cones, $94.88^{\prime}$; the Yolcha tablets, $92.88^{\circ}$; first dynasty, $91.07^{\circ}$; Cassite, $87^{\circ}$; aiid Murashu, $93.94^{\circ}$. The average for the twenty-four tablets measured was $92.3^{\prime}$. The smallest average for any one tablet mas $83.25^{\circ}$; and the largest $98.75^{\circ}$." These measurements confirm my statement that the angle of the stylus, in at least these periods, which made the impression was $90^{\circ}$ more or less. In measuring the angle in the clay, there are several thiiigs to be taken into consideration, that make it more or less impossible to get the exact angle of the stylus from the impression. For instance there is a certain amount of elasticity or resistance in the clay, which when the stylus is pressed upon it, has an effect upon the impression. Also other wedges which are made in proximity, will teiid to shift the clay, and thus decrease, more or less, the size of the angle. Then also there is a tendency, in a measure, to increase it by a rolling movement of the hand holding the stylus.

[^14]:    Annotations: No.3,L.4. In these texts qât without a preposition preceding is equivalent to ina eli, ina mubhi, or ina pani. The individual whose name follows is the recipient; cf. 48: 16. Ina qat means "out of the hand" or ${ }^{-}$froin." L. 5. Ki-i qat, literally "like the hand of," means that the person whose name follows is responsible for the debt or obligation, although contracted by another who receives the items mentioned in the document. It is parallel to the expressions found in the Murash $\hat{u}$ Business Documents: aki shipirtum, Vol. IS. 75: 6; akî amatu(-tu) $32 \mathrm{~A}: 3$; ak̂̂ shathri, 12:5; akt shipishtum, 32: 1; and the frequently occurring sha qât. These expressions are equivalent to "by the order of," meaning that the person whose name follows acts as guarantor of the transaction.

    Annotations: No. 4, L. 3. NIM following buhad $u$, seems to be equivalent to $G A=s h i z b u$, which follows ittfu and alpu, cf. So. 53, and also bubadu shi-zi-ib, Pinches P. S. B. A., 1896, p. 252., cf. LU-NIM, gukkallu" Mutterlamm." L. 5. UD being parallel with enzu I have transliterated sinu, although pisiu" the white (ones)," namely sheep may be preferable. L. i8. SA has the value ŷdatu "sinew", ef. Hebrew Ti. In Murasĥ̂, X, 131: 20 $g i-d a-a-t u$ is a variant reading in the same phrase of other texts where $S A$ is used, cf. Murash $\hat{u}, \mathrm{X}, 132: 18$.

[^15]:    ${ }^{1}$ Radau, Early Babylonian History, p. 329 translates SHE-GISII-BAR-GAL MU-BI-IM "which was expended yearly." $M U-B I=s$ bumi-shu "his name." The im may be explained as the Semitic mimmation. In C. B. M. No. 3528, $M U-I M-B I$ occurs in the same position. This might be read shum imbi. I am inclined to think, however, that t'is is to be explained otherwise, and that $M U$-BI-im means literally "his name," and that when more than one follows it should he translated "their names." This would imply that they pronounced the word mubim (cf. $A Z A G-$ $D I M-i m X V, 128: 4)$. Cf., however, MU-BT-IM, I.R. 5, No. XVI, IT:11, where $I M$ seems to mean "self." In No. 89:3, ZA-is-tum takes the place of the usual MU-BI-im. Cf. MU-BI in C. B. M. 1365, time of Ammi

