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Universal Multiple-Octet Coded Character Set
International Organization for Standardization
Organisation Internationale de Normalisation
Международная организация по стандартизации

Doc Type: **Working Group Document**
Title: **Proposal for encoding the Linear A script in the SMP of the UCS**
Source: **UC Berkeley Script Encoding Initiative (Universal Scripts Project)**
Authors: **Michael Everson and John Younger**
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Date: **2010-05-09**

1. Introduction. The script called Linear A is a writing system which was mainly used on the island of Crete (occasionally in the nearby mainland, on the Anatolian coast and the Levant, and in some of the Aegean islands) to write a language which has as yet not been deciphered. Unlike Linear B, Linear A was written on a variety of media, such as stone offering tables, gold and silver hair pins, and pots (inked and inscribed). The clay documents consist of tablets, roundels, and sealings (one-hole, two-hole, and flat-based). Two-hole sealings probably dangled from commodities brought into the center, one-hole sealings apparently dangled from papyrus/parchment documents, and flat-based sealings were pressed against the twine that secured papyrus/parchment documents. These papyrus/parchment documents, presumably carrying inked texts, were probably of more importance than the clay tablets and roundels that have survived.

Linear A contains more than 90 signs in regular use and a host of logograms, many of which are ligatured with syllabograms and/or fractions; about 80% of these logograms do not appear in Linear B. While many of the regular signs are also found in Linear B, some signs are unique to A (e.g., *A *301* and following), while some signs found in Linear B are not found in Linear A (e.g., *B 12, 14-15, 18-19, 25, 32-33, 36, 42-43, 48, 52, 62-64, 68, 71-72, 75, 83, 90-91*).

Like Linear B, Linear A was written from left to right, though occasionally it appears right to left and, rarely, boustrophedon. There are no non-spacing marks or other complications. The script consists mainly of a number of phonetic signs representing a vowel or the combination of a consonant and vowel. A number of characters called in the literature "ligatures" have constituent parts which can be identified, but given the undeciphered nature of the script, it would be inappropriate to treat these as some sort of typographic ligature. The Linear A encoding is based on the catalogue numbers, which are the basic set of characters used in decipherment efforts. Essentially, it is impossible for us to know whether we should understand 𐘩 to be a combination of 𐘦 + 𐘡 or of 𐘡 + 𐘦. To use the code positions, is U+106F9 𐘩 LINEAR A SIGN A570 a combination of U+10646 𐙆 LINEAR A SIGN AB100-102 + U+10662 𐘦 LINEAR A SIGN A313A—and if it is, is it 𐘩 = 𐘦 + 𐘡, or is it 𐘩 = 𐘡 + 𐘦? Or does U+10730 𐜰 LINEAR A SIGN A625 differ from U+10656 𐙖 LINEAR A SIGN A303 + U+1075C 𐝜 LINEAR A SIGN A703 D + U+10657 𐙗 LINEAR A SIGN A304 + U+10602 𐘂 LINEAR A SIGN AB003—that is, is 𐜰 equal to or different from 𐙖𐝜𐙗𐘂?

Conventionally, in all epigraphic documents (whether Linear A or Greek), space to the left or right of a square bracket means the document there is lost or illegible. Such brackets in GORILA do not appear in the glyphs in the codechart. Also conventionally, a dot below or within the glyph indicates some

uncertainty about the reading. The codechart retains some of these dots, such as in A335 1067A, A625 10730, A601 10718, A603 1071A, A643 10742, and A716 1076E. Other dots are part of the glyph: A351 1068A, A607 1071E, and A616 10727. The first component of glyph A597 10714 receives a dot because its reading is uncertain but the two dots flanking the second component indicate that it is a transaction sign. The dot separating the two components of A632 10737 also indicates that one or both of them are transaction signs.

2. Character names. Consonant letter names are similar to those used for Linear B; the GORILA ([gɔɹɪˈlɑː]) catalogue number has been used, and where an ideogrammatic identification has been made, it is added as an informative note.

3. Character annotations. In the names list annotations are given to help users identify the elements making up the "ligatures". In the chart given below, the code position, glyph, and GORILA catalogue number are given in informative annotations. It has been suggested that this might "clutter" the appearance of the names list. It could be possible to omit these, but in our view this would not make it easier for the end user of the annotations. Compare:

1073A 𐙳 LINEAR A SIGN A635
- 10659 𐙙 a306, 10646 𐙆 ab100-102, 1065A 𐙛 a307

1073A 𐙳 LINEAR A SIGN A635
- a306, ab100-102, a307

4. Numbers. Ones are indicated by vertical strokes (Aegean Numbers U+10107..1010F), tens by horizontal strokes (U+10110..10118), hundreds by circles (U+10119..10121), thousands by circles with projecting rays (U+10122..1012A). Numbers are usually arranged in sets of five or less that are stacked vertically. The largest number recorded is 3000 (on HT 31, an inventory of vases).

Linear A seems to use a series of unit fractions, i.e.: ½, ⅓, ¼, ⅕ etc. These may be comparable in function to the aliquot fractions noted for Egyptian Hieroglyphs. There are seven fractions that are regularly used, and the values to most of these can be determined: A (1075A 𐝇), B (1075B 𐝈, probably ⅕), E (1075D 𐝋, ¼), F (1075E 𐝌, ⅛), H (1075F 𐝍, ⅙?), J (10760 𐝠, ½), and K (10761 𐝡, 1⁄16); JE (1077E 𐝎, ¾) is common enough to be written as a ligature. In addition, fraction L (shaped like a waning half-moon) comes in four variations: L (10762 𐝢), L2 (10763 𐝣), L3 (10764 𐝤), L4 (10765 𐝥), and L6 (10766 𐝦); the value of these fractions appears to be minute. Fractions W (10767 𐝧), X (10767 𐝨), Y (10767 𐝩), and Ω (10767 𐝪) are recorded so rarely that their values cannot be determined (although it is possible that Y and Ω are local to Phaistos and Malia respectively). Finally, "fraction" D frequently occurs singly (1075C 𐝊) or doubled as DD (1076F 𐝏; cf. 10770 𐝰); it may more likely record the single or double mina (a weight, especially of wool). Unlike Linear B, which has a complex system for recording the weights and volumes of dry and liquid commodities separately, Linear A does not; it merely records amounts, it being up to the reader to assume individual units (e.g., people or animals) or dry or liquid measurements according to the commodity

5. Collating order. Collation order is as in the code chart.

6. Linebreaking. Letters and digits behave as in Linear B.

7. Unicode Character Properties.

```
10600;LINEAR A SIGN AB001;Lo;0;L;;;;;N;;;;;
..
10789;LINEAR A SIGN A743 L2L4;Lo;0;L;;;;;N;;;;;
```

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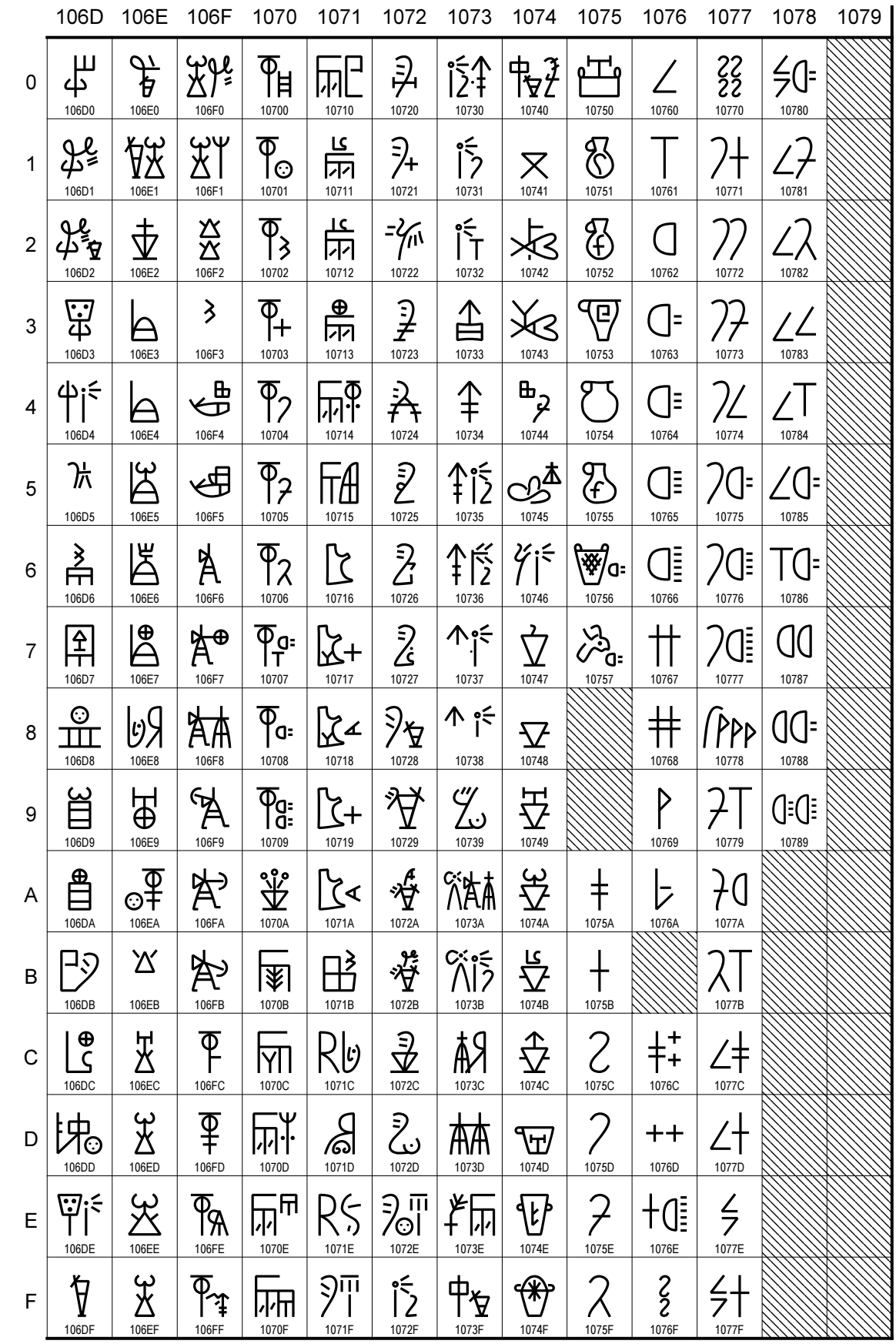
1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 106A 106B 106C
0 10600 10610 10620 10630 10640 10650 10660 10670 10680 10690 106A0 106B0 106C0
1 10601 10611 10621 10631 10641 10651 10661 10671 10681 10691 106A1 106B1 106C1
2 10602 10612 10622 10632 10642 10652 10662 10672 10682 10692 106A2 106C2
3 10603 10613 10623 10633 10643 10653 10663 10673 10683 10693 106A3 106C3
4 10604 10614 10624 10634 10644 10654 10664 10674 10684 10694 106A4 106B4 106C4
5 10605 10615 10625 10635 10645 10655 10665 10675 10685 10695 106A5 106B5 106C5
6 10606 10616 10626 10636 10646 10656 10666 10676 10686 10696 106A6 106B6 106C6
7 10607 10617 10627 10637 10647 10657 10667 10677 10687 10697 106A7 106B7 106C7
8 10608 10618 10628 10638 10648 10658 10668 10678 10688 10698 106A8 106B8 106C8
9 10609 10619 10629 10639 10649 10659 10669 10679 10689 10699 106A9 106B9 106C9
A 1060A 1061A 1062A 1063A 1064A 1065A 1066A 1067A 1068A 1069A 106AA 106BA 106CA
B 1060B 1061B 1062B 1063B 1064B 1065B 1066B 1067B 1068B 1069B 106AB 106BB 106CB
C 1060C 1061C 1062C 1063C 1064C 1065C 1066C 1067C 1068C 1069C 106AC 106BC 106CC
D 1060D 1061D 1062D 1063D 1064D 1065D 1066D 1067D 1068D 1069D 106AD 106BD 106CD
E 1060E 1061E 1062E 1063E 1064E 1065E 1066E 1067E 1068E 1069E 106AE 106BE 106CE
F 1060F 1061F 1062F 1063F 1064F 1065F 1066F 1067F 1068F 1069F 106AF 106BF 106CF


106D 106E 106F 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079
0 106D0 106E0 106F0 10700 10710 10720 10730 10740 10750 10760 10770 10780
1 106D1 106E1 106F1 10701 10711 10721 10731 10741 10751 10761 10771 10781
2 106D2 106E2 106F2 10702 10712 10722 10732 10742 10752 10762 10772 10782
3 106D3 106E3 106F3 10703 10713 10723 10733 10743 10753 10763 10773 10783
4 106D4 106E4 106F4 10704 10714 10724 10734 10744 10754 10764 10774 10784
5 106D5 106E5 106F5 10705 10715 10725 10735 10745 10755 10765 10775 10785
6 106D6 106E6 106F6 10706 10716 10726 10736 10746 10756 10766 10776 10786
7 106D7 106E7 106F7 10707 10717 10727 10737 10747 10757 10767 10777 10787
8 106D8 106E8 106F8 10708 10718 10728 10738 10748 10768 10778 10788
9 106D9 106E9 106F9 10709 10719 10729 10739 10749 10769 10779 10789
A 106DA 106EA 106FA 1070A 1071A 1072A 1073A 1074A 1075A 1076A 1077A
B 106DB 106EB 106FB 1070B 1071B 1072B 1073B 1074B 1075B 1077B
C 106DC 106EC 106FC 1070C 1071C 1072C 1073C 1074C 1075C 1076C 1077C
D 106DD 106ED 106FD 1070D 1071D 1072D 1073D 1074D 1075D 1076D 1077D
E 106DE 106EE 106FE 1070E 1071E 1072E 1073E 1074E 1075E 1076E 1077E
F 106DF 106EF 106FF 1070F 1071F 1072F 1073F 1074F 1075F 1076F 1077F

Simple signs

10600 LINEAR A SIGN AB001
10601 LINEAR A SIGN AB002
10602 LINEAR A SIGN AB003
10603 LINEAR A SIGN AB004
10604 LINEAR A SIGN AB005
10605 LINEAR A SIGN AB006
10606 LINEAR A SIGN AB007
10607 LINEAR A SIGN AB008
10608 LINEAR A SIGN AB009
10609 LINEAR A SIGN AB010
1060A LINEAR A SIGN AB011
1060B LINEAR A SIGN AB013
1060C LINEAR A SIGN AB016
1060D LINEAR A SIGN AB017
1060E LINEAR A SIGN AB020
1060F LINEAR A SIGN AB021
• sheep
→ 10025 linear b syllable b021 qi
10610 LINEAR A SIGN AB021F
• ewe
→ 10086 linear b syllable b106f ewe
10611 LINEAR A SIGN AB021M
• ram
→ 10087 linear b syllable b106m ram
10612 LINEAR A SIGN AB022
• goat
→ 10052 linear b syllable b022
10613 LINEAR A SIGN AB022F
• she-goat
→ 10088 linear b syllable b107f she-goat
10614 LINEAR A SIGN AB022M
• he-goat
→ 10089 linear b syllable b107m he-goat
10615 LINEAR A SIGN AB023
• bovine
→ 10018 linear b syllable b023 mu
10616 LINEAR A SIGN AB023M
• bull
→ 1008D linear b syllable b109m bull
10617 LINEAR A SIGN AB024
10618 LINEAR A SIGN AB026
10619 LINEAR A SIGN AB027
1061A LINEAR A SIGN AB028
1061B LINEAR A SIGN AB028B
1061C LINEAR A SIGN AB029
1061D LINEAR A SIGN AB030
• figs
→ 1001B linear b syllable b030 ni
1061E LINEAR A SIGN AB031
1061F LINEAR A SIGN AB034
10620 LINEAR A SIGN AB037
10621 LINEAR A SIGN AB038
10622 LINEAR A SIGN AB039
10623 LINEAR A SIGN AB040
10624 LINEAR A SIGN AB041
10625 LINEAR A SIGN AB044
10626 LINEAR A SIGN AB045
10627 LINEAR A SIGN AB046
10628 LINEAR A SIGN AB047
10629 LINEAR A SIGN AB049
1062A LINEAR A SIGN AB050
1062B LINEAR A SIGN AB051
1062C LINEAR A SIGN AB053
1062D LINEAR A SIGN AB054
• cloth
→ 100A7 linear b syllable b159 cloth
1062E LINEAR A SIGN AB055
1062F LINEAR A SIGN AB056
10630 LINEAR A SIGN AB057
10631 LINEAR A SIGN AB058
10632 LINEAR A SIGN AB059
10633 LINEAR A SIGN AB060
10634 LINEAR A SIGN AB061
10635 LINEAR A SIGN AB065
10636 LINEAR A SIGN AB066
10637 LINEAR A SIGN AB067
10638 LINEAR A SIGN AB069
10639 LINEAR A SIGN AB070
1063A LINEAR A SIGN AB073
1063B LINEAR A SIGN AB074
1063C LINEAR A SIGN AB076
1063D LINEAR A SIGN AB077
1063E LINEAR A SIGN AB078
1063F LINEAR A SIGN AB079
10640 LINEAR A SIGN AB080
10641 LINEAR A SIGN AB081
10642 LINEAR A SIGN AB082
10643 LINEAR A SIGN AB085
• pig
→ 10042 linear b syllable b085 au
10644 LINEAR A SIGN AB086
10645 LINEAR A SIGN AB087
10646 LINEAR A SIGN AB100-102
• man or woman
→ 10080 linear b syllable b100 man
→ 10081 linear b syllable b101 woman
10647 LINEAR A SIGN AB118
10648 LINEAR A SIGN AB120
• grain
→ 1008E linear b syllable b120 wheat
10649 LINEAR A SIGN AB120B
• grain
1064A LINEAR A SIGN AB122
• olives
→ 10090 linear b syllable b122 olive
1064B LINEAR A SIGN AB123
1064C LINEAR A SIGN AB131A
• wine
→ 10096 linear b syllable b131 wine
1064D LINEAR A SIGN AB131B
• wine
1064E LINEAR A SIGN AB131C
• wine
1064F LINEAR A SIGN AB164
10650 LINEAR A SIGN AB171
10651 LINEAR A SIGN AB180
10652 LINEAR A SIGN AB188
10653 LINEAR A SIGN AB191
10654 LINEAR A SIGN A301
10655 LINEAR A SIGN A302
• olive oil
→ 10095 linear b syllable b130 oil
10656 LINEAR A SIGN A303
• cyperus
→ 10092 linear b syllable b125 cyperus
10657 LINEAR A SIGN A304
10658 LINEAR A SIGN A305

10659 LINEAR A SIGN A306
1065A LINEAR A SIGN A307
1065B LINEAR A SIGN A308
1065C LINEAR A SIGN A309A
1065D LINEAR A SIGN A309B
1065E LINEAR A SIGN A309C
1065F LINEAR A SIGN A310
10660 LINEAR A SIGN A311
• used with 10654 linear a sign a301
10661 LINEAR A SIGN A312
10662 LINEAR A SIGN A313A
• used with 10646 linear a sign ab100-102
10663 LINEAR A SIGN A313B
• used with 10646 linear a sign ab100-102
10664 LINEAR A SIGN A313C
• used with 10646 linear a sign ab100-102
10665 LINEAR A SIGN A314
10666 LINEAR A SIGN A315
10667 LINEAR A SIGN A316
10668 LINEAR A SIGN A317
10669 LINEAR A SIGN A318
1066A LINEAR A SIGN A319
1066B LINEAR A SIGN A320
1066C LINEAR A SIGN A321
1066D LINEAR A SIGN A322
1066E LINEAR A SIGN A323
1066F LINEAR A SIGN A324
10670 LINEAR A SIGN A325
10671 LINEAR A SIGN A326
10672 LINEAR A SIGN A327
10673 LINEAR A SIGN A328
10674 LINEAR A SIGN A329
10675 LINEAR A SIGN A330
• used with 10600 linear a sign ab001 and 1061E linear a sign ab031
10676 LINEAR A SIGN A331
10677 LINEAR A SIGN A332
10678 LINEAR A SIGN A333
10679 LINEAR A SIGN A334
1067A LINEAR A SIGN A335
1067B LINEAR A SIGN A336
1067C LINEAR A SIGN A337
• used with 10652 linear a sign ab188
1067D LINEAR A SIGN A338
1067E LINEAR A SIGN A339
1067F LINEAR A SIGN A340
10680 LINEAR A SIGN A341
• used with 10622 linear a sign ab039
10681 LINEAR A SIGN A342
10682 LINEAR A SIGN A343
10683 LINEAR A SIGN A344
10684 LINEAR A SIGN A345
10685 LINEAR A SIGN A346
10686 LINEAR A SIGN A347
10687 LINEAR A SIGN A348
• used with 10656 linear a sign a303
10688 LINEAR A SIGN A349
10689 LINEAR A SIGN A350
1068A LINEAR A SIGN A351
• used with 10654 linear a sign a301
1068B LINEAR A SIGN A352
1068C LINEAR A SIGN A353
1068D LINEAR A SIGN A354
1068E LINEAR A SIGN A355
1068F LINEAR A SIGN A356
10690 LINEAR A SIGN A357
10691 LINEAR A SIGN A358
10692 LINEAR A SIGN A359
10693 LINEAR A SIGN A360
10694 LINEAR A SIGN A361
10695 LINEAR A SIGN A362
10696 LINEAR A SIGN A363
10697 LINEAR A SIGN A364
10698 LINEAR A SIGN A365
10699 LINEAR A SIGN A366
1069A LINEAR A SIGN A367
1069B LINEAR A SIGN A368
1069C LINEAR A SIGN A369
1069D LINEAR A SIGN A370
1069E LINEAR A SIGN A371

Vase shapes

1069F LINEAR A SIGN A400-VAS
106A0 LINEAR A SIGN A401-VAS
106A1 LINEAR A SIGN A402-VAS
106A2 LINEAR A SIGN A403-VAS
106A3 LINEAR A SIGN A404-VAS
106A4 LINEAR A SIGN A405-VAS
106A5 LINEAR A SIGN A406-VAS
106A6 LINEAR A SIGN A407-VAS
106A7 LINEAR A SIGN A408-VAS
106A8 LINEAR A SIGN A409-VAS
106A9 LINEAR A SIGN A410-VAS
106AA LINEAR A SIGN A411-VAS
106AB LINEAR A SIGN A412-VAS
106AC LINEAR A SIGN A413-VAS
106AD LINEAR A SIGN A414-VAS
106AE LINEAR A SIGN A415-VAS
106AF LINEAR A SIGN A416-VAS
106B0 LINEAR A SIGN A417-VAS
106B1 LINEAR A SIGN A418-VAS

Complex signs

106B4 LINEAR A SIGN A501
• 10600 ab001, 10601 ab002
106B5 LINEAR A SIGN A502
• 10600 ab001, 10619 ab027, 10608 ab009
106B6 LINEAR A SIGN A503
• 10600 ab001, 10654 a301
106B7 LINEAR A SIGN A504
• 10601 ab002, 10601 ab002
106B8 LINEAR A SIGN A505
• 10603 ab004, 10601 ab002
106B9 LINEAR A SIGN A506
• 10606 ab007, 1063E ab078
106BA LINEAR A SIGN A507
• 1060B ab013, 1064C ab131a
106BB LINEAR A SIGN A508
• 1060C ab016, 10619 ab027
106BC LINEAR A SIGN A509
• 1060C ab016, 10619 ab027, 1062A ab050
106BD LINEAR A SIGN A510
• 1060C ab016, 1062A ab050
106BE LINEAR A SIGN A511
• 1060C ab016, 1062A ab050, 10619 ab027
106BF LINEAR A SIGN A512
• 1060F ab021, 10624 ab041
106C0 LINEAR A SIGN A513
• 10614 ab022m, 10641 ab081

106C1 LINEAR A SIGN A514
• 10617 ab024, 10637 ab067

106C2 LINEAR A SIGN A515
• 10619 ab027, 10608 ab009

106C3 LINEAR A SIGN A516
→ 1061A linear a sign ab028

106C4 LINEAR A SIGN A517
• 1061A ab028, 10648 ab120, 10602 ab003

106C5 LINEAR A SIGN A518
• 1061A ab028, 1064A ab122

106C6 LINEAR A SIGN A519
• 1061A ab028, 10654 a301

106C7 LINEAR A SIGN A520
• 1061A ab028, 10654 a301

106C8 LINEAR A SIGN A521
• 1061E ab031, 10615 ab023, 10641 ab081

106C9 LINEAR A SIGN A522
• 1061E ab031, 1064C ab131a

106CA LINEAR A SIGN A523
• 10620 ab037, 10607 ab008

106CB LINEAR A SIGN A524
• 10620 ab037, 106AB a412-vas

106CC LINEAR A SIGN A525
→ 10621 linear a sign ab038

106CD LINEAR A SIGN A526
• 10621 ab038, 1063D ab077

106CE LINEAR A SIGN A527
• 10623 ab040, 1063B ab074

106CF LINEAR A SIGN A528
• 10624 ab041, 10606 ab007

106D0 LINEAR A SIGN A529
• 10624 ab041, 10608 ab009

106D1 LINEAR A SIGN A530
• 10624 ab041, 1060B ab013

106D2 LINEAR A SIGN A531
• 10624 ab041, 1060B ab013, 10637 ab067

106D3 LINEAR A SIGN A532
• 10624 ab041, 10637 ab067

106D4 LINEAR A SIGN A533
• 10624 ab041, 10656 a303

106D5 LINEAR A SIGN A534
• 1062B linear a sign ab051

106D6 LINEAR A SIGN A535
• 1062D ab054, 10641 ab081

106D7 LINEAR A SIGN A536
• 1062D ab054, 10661 a312

106D8 LINEAR A SIGN A537
• 1062F ab056, 1063E ab078

106D9 LINEAR A SIGN A538
• 10630 ab057, 10618 ab026

106DA LINEAR A SIGN A539
• 10630 ab057, 1063D ab077

106DB LINEAR A SIGN A540
• 10631 ab058, 1063A ab073

106DC LINEAR A SIGN A541
• 10633 ab060, 1063D ab077

106DD LINEAR A SIGN A542
• 10635 ab065, 10668 a317, 1063E ab078

106DE LINEAR A SIGN A543
• 10636 ab066, 10656 a303

106DF LINEAR A SIGN A544
→ 10637 linear a sign ab067

106E0 LINEAR A SIGN A545
• 10637 ab067, 10615 ab023

106E1 LINEAR A SIGN A546
• 10637 ab067, 10640 ab080, 10618 ab026

106E2 LINEAR A SIGN A547
• 10638 ab069, 10601 ab002

106E3 LINEAR A SIGN A548
• 1063A ab073, 10630 ab057

106E4 LINEAR A SIGN A549
→ 106E3 linear a sign a548

106E5 LINEAR A SIGN A550
• 1063A ab073, 10630 ab057, 10618 ab026

106E6 LINEAR A SIGN A551
• 1063A ab073, 10630 ab057, 1061A ab028

106E7 LINEAR A SIGN A552
• 1063A ab073, 10630 ab057, 1063D ab077

106E8 LINEAR A SIGN A553
• 1063A ab073, 10654 a301

106E9 LINEAR A SIGN A554
• 1063D ab077, 10607 ab008

106EA LINEAR A SIGN A555
• 1063D ab077, 10648 ab120, 10602 ab003

106EB LINEAR A SIGN A556
→ 10640 linear a sign ab080

106EC LINEAR A SIGN A557
• 10640 ab080, 10607 ab008

106ED LINEAR A SIGN A558
→ 106EE linear a sign a559

106EE LINEAR A SIGN A559
• 10640 ab080, 10618 ab026

106EF LINEAR A SIGN A560
• 106EE linear a sign a559

106F0 LINEAR A SIGN A561
• 10640 ab080, 10618 ab026, 1060B ab013

106F1 LINEAR A SIGN A562
• 10640 ab080, 10618 ab026, 10619 ab027

106F2 LINEAR A SIGN A563
• 10640 ab080, 10640 ab080

106F3 LINEAR A SIGN A564
→ 10641 linear a sign ab081

106F4 LINEAR A SIGN A565
• 10644 ab086, 10652 ab188

106F5 LINEAR A SIGN A566
• 10644 ab086, 10652 ab188

106F6 LINEAR A SIGN A567
→ 10646 linear a sign ab100-102

106F7 LINEAR A SIGN A568
• 10646 ab100-102, 1063D ab077

106F8 LINEAR A SIGN A569
• 10646 ab100-102, 1065A a307

106F9 LINEAR A SIGN A570
• 10646 ab100-102, 10662 a313a

106FA LINEAR A SIGN A571
• 10646 ab100-102, 10663 → a313b

106FB LINEAR A SIGN A572
• 10646 ab100-102, 10664 ↘ a313c

106FC LINEAR A SIGN A573
• 10648 ab120, 10600 ├ ab001

106FD LINEAR A SIGN A574
• 10648 ab120, 10602 ╪ ab003

106FE LINEAR A SIGN A575
• 10648 ab120, 10610 ab021f

106FF LINEAR A SIGN A576
• 10648 ab120, 10614 ab022m

10700 LINEAR A SIGN A577
• 10648 ab120, 1062F 𐘨 ab056

10701 LINEAR A SIGN A578
• 10648 ab120, 1063E ☹ ab078

10702 LINEAR A SIGN A579
• 10648 ab120, 10641 ⟩ ab081

10703 LINEAR A SIGN A580
• 10648 ab120, 1075B ┼ a702 b

10704 LINEAR A SIGN A581
• 10648 ab120, 1075D ⟋ a704 e

10705 LINEAR A SIGN A582
• 10648 ab120, 1075E ⟋ a705 f

10706 LINEAR A SIGN A583
• 10648 ab120, 1075F ⟍ a706 h

10707 LINEAR A SIGN A584
• 10648 ab120, 10761 ┬ a708 k, 10763 ⊐ a709-2 l2

10708 LINEAR A SIGN A585
• 10648 ab120, 10763 ⊐ a709-2 l2

10709 LINEAR A SIGN A586
• 10648 ab120, 10763 ⊐ a709-2 l2

1070A LINEAR A SIGN A587
• 1064A ab122, 10638 ⏚ ab069

1070B LINEAR A SIGN A588
• 1064C ab131a, 10603 ab004

1070C LINEAR A SIGN A589
• 1064C ab131a, 1061E ⟙ ab031

1070D LINEAR A SIGN A590
• 1064C ab131a, 10619 ab027

1070E LINEAR A SIGN A591
• 1064C ab131a, 1062D 𐘔 ab054

1070F LINEAR A SIGN A592
• 1064C ab131a, 1062D 𐘔 ab054

10710 LINEAR A SIGN A593
• 1064C ab131a, 10631 ⊏ ab058

10711 LINEAR A SIGN A594
• 1064C ab131a, 10633 ⌊ ab060

10712 LINEAR A SIGN A595
• 1064C ab131a, 10633 ⌊ ab060

10713 LINEAR A SIGN A596
• 1064C ab131a, 1063D ⊕ ab077

10714 LINEAR A SIGN A597
• 1064C ab131a, 10648 ab120

10715 LINEAR A SIGN A598
• 1064D ab131b, 10623 ab040

10716 LINEAR A SIGN A599
→ 10651 linear a sign ab180

10717 LINEAR A SIGN A600
• 10651 ab180, 1061E ⟙ ab031, 1075B ┼ a702 b

10718 LINEAR A SIGN A601
• 10651 ab180, 1061E ⟙ ab031, 10762 ⊐ a709 l

10719 LINEAR A SIGN A602
• 10651 ab180, 1075B ┼ a702 b

1071A LINEAR A SIGN A603
• 10651 ab180, 10762 ⊐ a709 l

1071B LINEAR A SIGN A604
• 10652 ab188, 10641 ⟩ ab081

1071C LINEAR A SIGN A605
• 10654 ab301, 1063A ab073

1071D LINEAR A SIGN A606
• 10654 ab301, 10660 a311

1071E LINEAR A SIGN A607
• 10654 ab301, 1068A ⸦ a351

1071F LINEAR A SIGN A608
• 10655 ab302, 10606 ab007

10720 LINEAR A SIGN A609
• 10655 ab302, 10607 ab008

10721 LINEAR A SIGN A610
• 10655 ab302, 10609 ab010

10722 LINEAR A SIGN A611
• 10655 ab302, 10610 ab021f

10723 LINEAR A SIGN A612
• 10655 ab302, 10617 ab024

10724 LINEAR A SIGN A613
• 10655 ab302, 10621 ab038

10725 LINEAR A SIGN A614
• 10655 ab302, 1062C ⟋ ab053

10726 LINEAR A SIGN A615
• 10655 ab302, 10632 ⌈ ab059

10727 LINEAR A SIGN A616
• 10655 ab302, 10633 ⌊ ab060

10728 LINEAR A SIGN A617
• 10655 ab302, 10637 ab067

10729 LINEAR A SIGN A618
• 10655 ab302, 10637 ab067

1072A LINEAR A SIGN A619
• 10655 ab302, 10637 ab067, 10609 ab010

1072B LINEAR A SIGN A620
• 10655 ab302, 10637 ab067, 1060B ab013

1072C LINEAR A SIGN A621
• 10655 ab302, 10638 ⏚ ab069

1072D LINEAR A SIGN A622
• 10655 ab302, 1063A ab073

1072E LINEAR A SIGN A623
• 10655 ab302, 1063E ☹ ab078, 10606 ab007

1072F LINEAR A SIGN A624
• 10656 a303, 1075C ⟋ a703 d

10730 LINEAR A SIGN A625
• 10656 a303, 1075C ⟋ a703 d, 10657 ↑ a304, 10602 ╪ ab003

10731 LINEAR A SIGN A626
• 10656 a303, 1075D ⟋ a704 e

10732 LINEAR A SIGN A627
• 10656 a303, 10761 ┬ a708 k

10733 LINEAR A SIGN A628
→ 10657 ↑ linear a sign a304

10734 LINEAR A SIGN A629
• 10657 ↑ a304, 10602 ╪ ab003

10735 LINEAR A SIGN A630
• 10657 a304, 10602 ab003, 10656 a303, 1075C a703 d

10736 LINEAR A SIGN A631
• 10657 a304, 10602 ab003, 10667 a316, 1075C a703 d

10737 LINEAR A SIGN A632
• 10657 a304, 10656 a303

10738 LINEAR A SIGN A633
• 10657 a304, 10656 a303

10739 LINEAR A SIGN A634
• 10659 a306, 1063A ab073

1073A LINEAR A SIGN A635
• 10659 a306, 10646 ab100-102, 1065A a307

1073B LINEAR A SIGN A636
• 10659 a306, 10656 a303, 1075D a704 e

1073C LINEAR A SIGN A637
• 1065A a307, 10654 a301

1073D LINEAR A SIGN A638
→ 1065A linear a sign a307

1073E LINEAR A SIGN A639
• 10667 a316, 10601 ab002, 1064C ab131a

1073F LINEAR A SIGN A640
• 10667 a316, 10637 ab067

10740 LINEAR A SIGN A641
• 10668 a317, 10637 ab067, 10679 a334

10741 LINEAR A SIGN A642
→ 10669 linear a sign a318

10742 LINEAR A SIGN A643
• 10675 a330, 10600 ab001

10743 LINEAR A SIGN A644
• 10675 a330, 1061E ab031

10744 LINEAR A SIGN A645
• 1067C a337, 10652 ab188

10745 LINEAR A SIGN A646
• 10680 a341, 10622 ab039

10746 LINEAR A SIGN A647
• 10687 a348, 10656 a303

Complex signs with vase shapes

10747 LINEAR A SIGN A648
• 1069F a400-vas, 1062C ab053

10748 LINEAR A SIGN A649
→ 106A0 linear a sign a401-vas

10749 LINEAR A SIGN A650
• 106A0 a401-vas, 10607 ab008

1074A LINEAR A SIGN A651
• 106A0 a401-vas, 10618 ab026

1074B LINEAR A SIGN A652
• 106A0 a401-vas, 10633 ab060

1074C LINEAR A SIGN A653
• 106A0 a401-vas, 10657 a304

1074D LINEAR A SIGN A654
• 106A3 a404-vas, 10607 ab008

1074E LINEAR A SIGN A655
• 106A4 a405-vas, 1076A a713 omega

1074F LINEAR A SIGN A656
• 106A5 a406-vas, 10625 ab044

10750 LINEAR A SIGN A657
• 106A6 a407-vas, 10607 ab008

10751 LINEAR A SIGN A658
• 106AB a412-vas, 1075D a704 e

10752 LINEAR A SIGN A659
• 106AB a412-vas, 1075E a705 f

10753 LINEAR A SIGN A660
• 106AC a413-vas, 10631 ab058

10754 LINEAR A SIGN A661
→ 106AD linear a sign a414-vas

10755 LINEAR A SIGN A662
• 106AD a414-vas, 1075E a705 f

10756 LINEAR A SIGN A663
• 106B0 a417-vas, 10763 a709-2 l2

10757 LINEAR A SIGN A664
• 106B1 a418-vas, 10763 a709-2 l2

Fractions and compound fractions

1075A LINEAR A SIGN A701 A
= one sixth
→ 29E7 ⧺ thermodynamic

1075B LINEAR A SIGN A702 B
= one third

1075C LINEAR A SIGN A703 D
= one fifth

1075D LINEAR A SIGN A704 E
= one quarter

1075E LINEAR A SIGN A705 F
= one eighth

1075F LINEAR A SIGN A706 H
= three eighths or one tenth

10760 LINEAR A SIGN A707 J
= one half

10761 LINEAR A SIGN A708 K
= one sixteenth
→ 1013C 𐄇 aegean dry measure first subunit

10762 LINEAR A SIGN A709 L

10763 LINEAR A SIGN A709-2 L2

10764 LINEAR A SIGN A709-3 L3

10765 LINEAR A SIGN A709-4 L4

10766 LINEAR A SIGN A709-6 L6
• used with 10654 linear a sign a301

10767 LINEAR A SIGN A710 W
= two thirds

10768 LINEAR A SIGN A711 X
→ 10139 # aegean weight second subunit

10769 LINEAR A SIGN A712 Y
→ 16B9 ᚹ runic letter wunjo wynn w

1076A LINEAR A SIGN A713 OMEGA
• used with 1075B linear a sign a702 b and 1075D linear a sign a704 e

1076B <reserved>

1076C LINEAR A SIGN A714 ABB

1076D LINEAR A SIGN A715 BB

1076E LINEAR A SIGN A716 BL6

1076F LINEAR A SIGN A717 DD

10770 LINEAR A SIGN A718 DDDD

10771 LINEAR A SIGN A719 EB

10772 LINEAR A SIGN A720 EE

10773 LINEAR A SIGN A721 EF

10774 LINEAR A SIGN A722 EJ

10775 LINEAR A SIGN A723 EL2

10776 LINEAR A SIGN A724 EL4

10777 LINEAR A SIGN A725 EL6

10778 LINEAR A SIGN A726 EYYY

10779 LINEAR A SIGN A727 FK

1077A LINEAR A SIGN A728 FL

1077B 𐘻 LINEAR A SIGN A729 HK
1077C 𐘼 LINEAR A SIGN A730 JA
1077D 𐘽 LINEAR A SIGN A731 JB
1077E 𐘾 LINEAR A SIGN A732 JE
= three quarters
1077F 𐘿 LINEAR A SIGN A733 JEB
10780 𐙀 LINEAR A SIGN A734 JEL2
10781 𐙁 LINEAR A SIGN A735 JF
10782 𐙂 LINEAR A SIGN A736 JH
10783 𐙃 LINEAR A SIGN A737 JJ
10784 𐙄 LINEAR A SIGN A738 JK
10785 𐙅 LINEAR A SIGN A739 JL2
10786 𐙆 LINEAR A SIGN A740 KL2
10787 𐙇 LINEAR A SIGN A741 LL
10788 𐙈 LINEAR A SIGN A742 LL2
10789 𐙉 LINEAR A SIGN A743 L2L4

10. Figures.

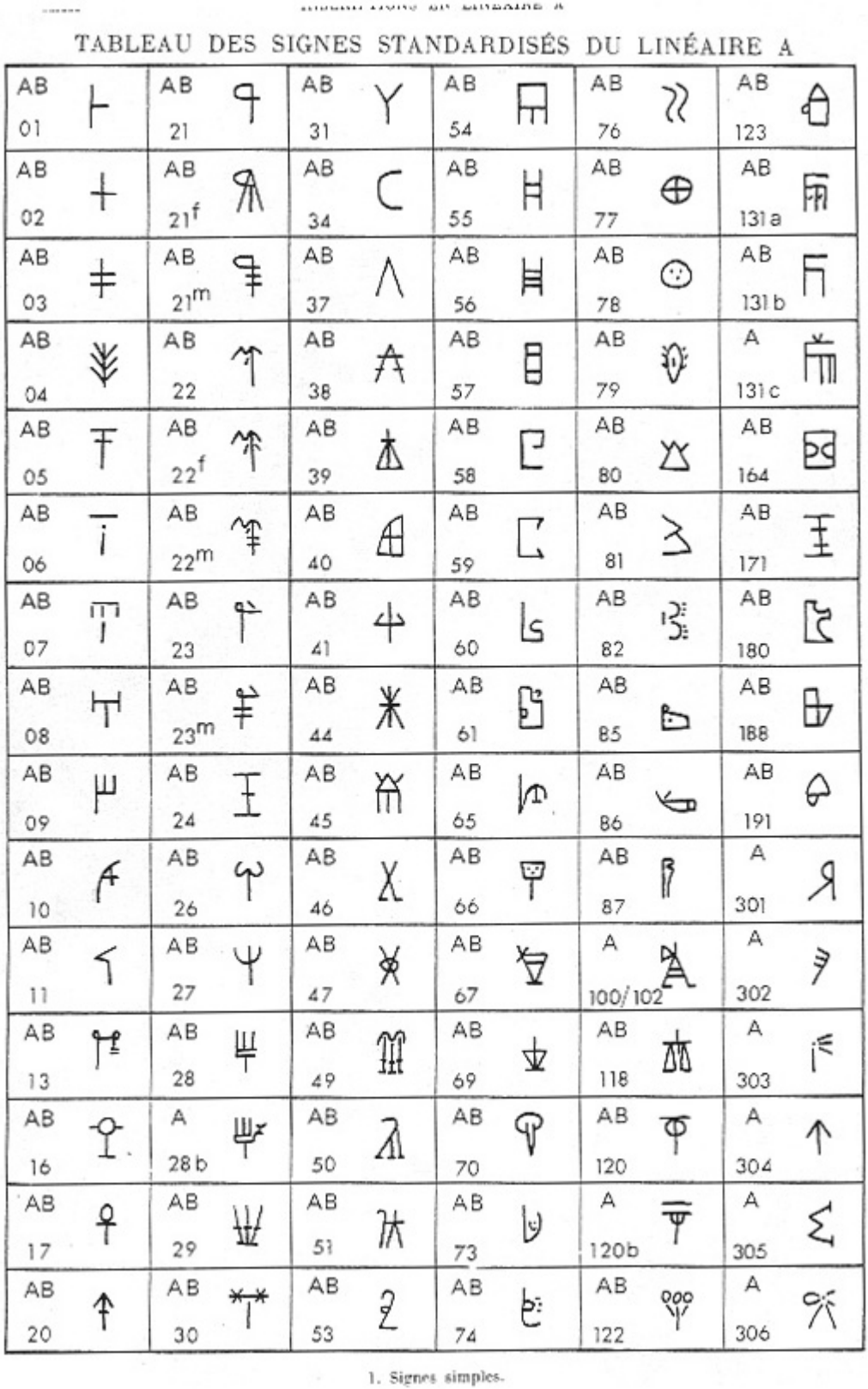
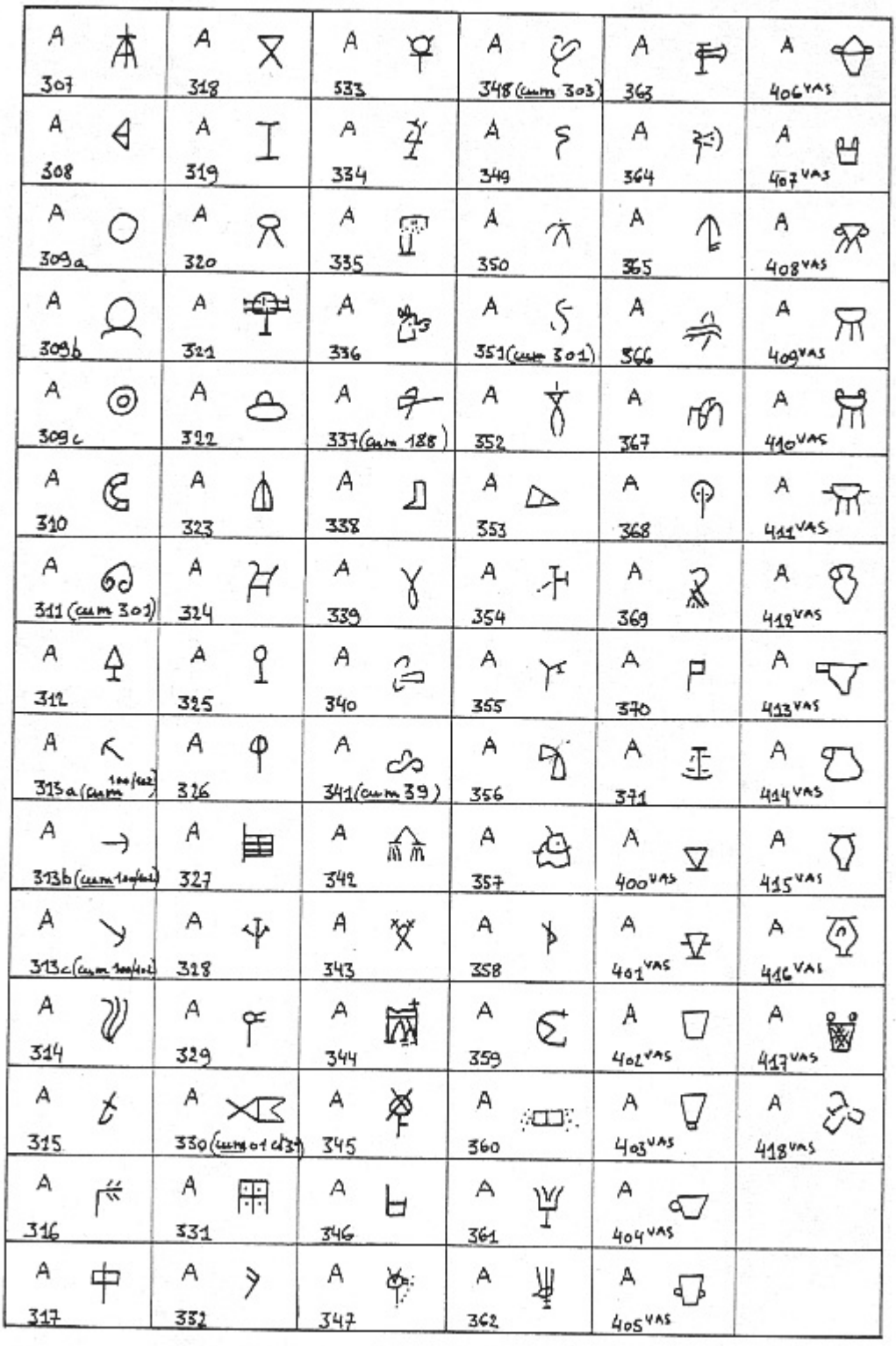


Figure 1. Table of standard signs in Linear A (A001-A306), from GORILA.



2. Signes simples.

Figure 2. Table of standard signs in Linear A (A307-A418), from GORILA.

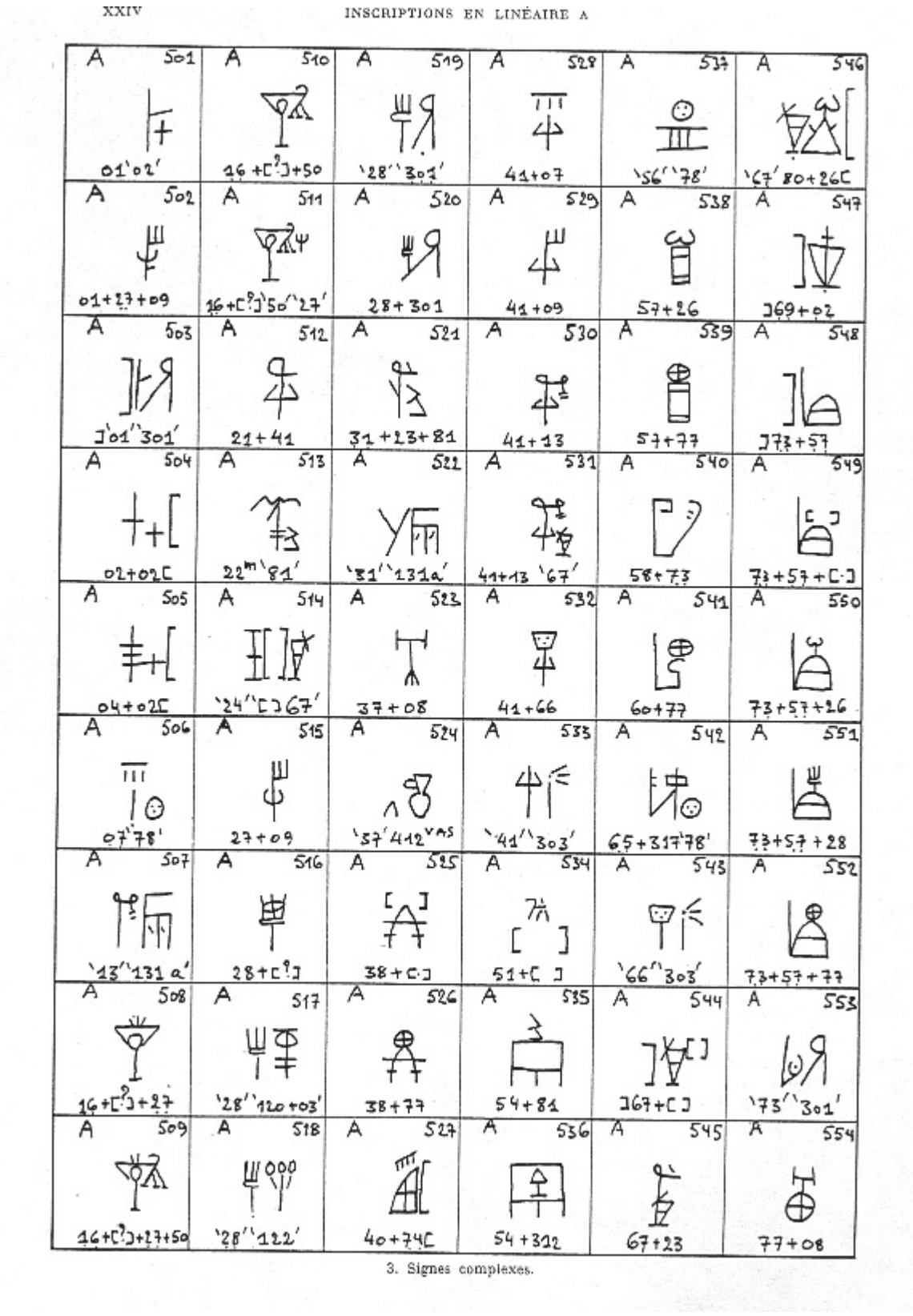
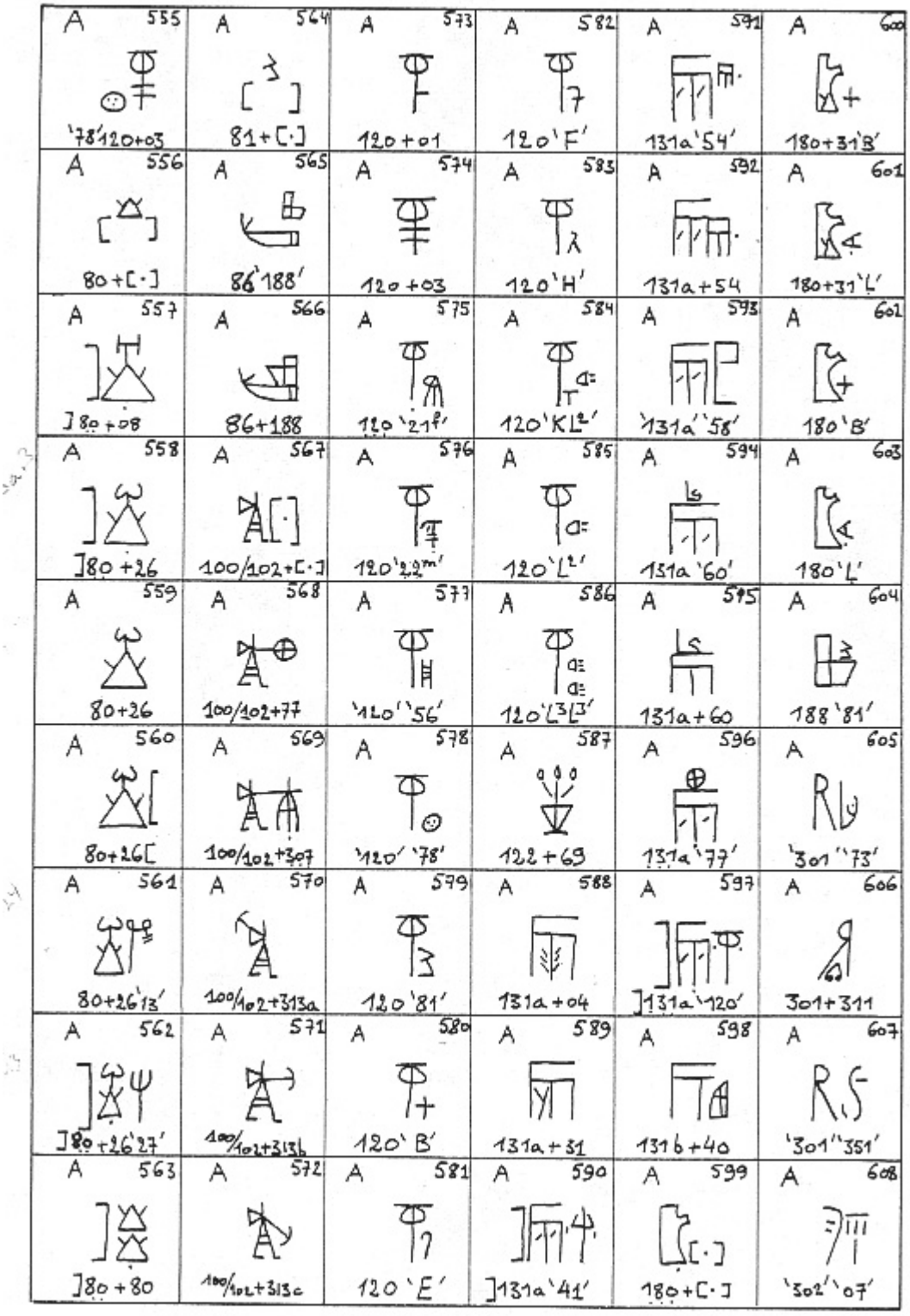
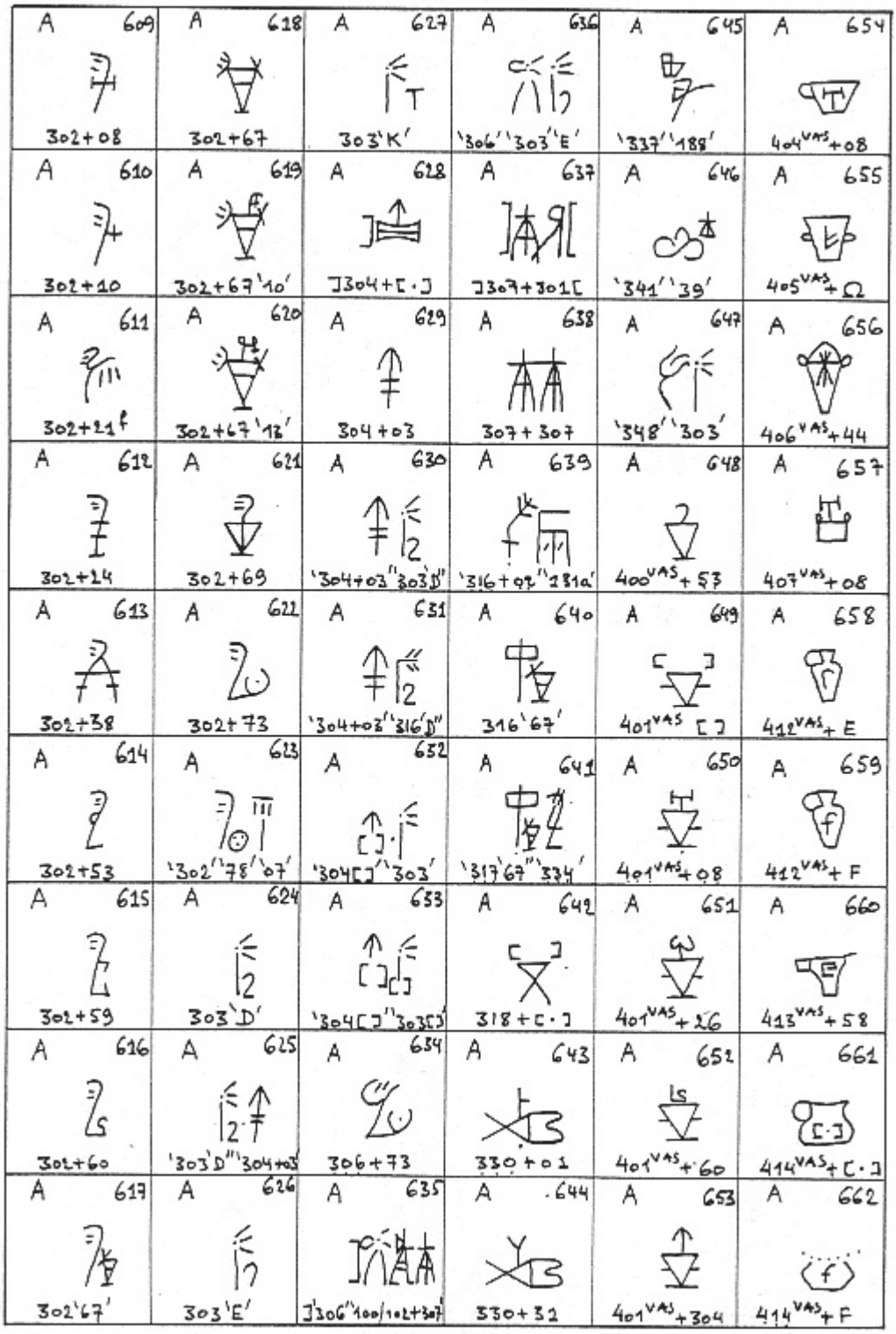


Figure 3. Table of standard signs in Linear A (A501-A554), from GORILA.



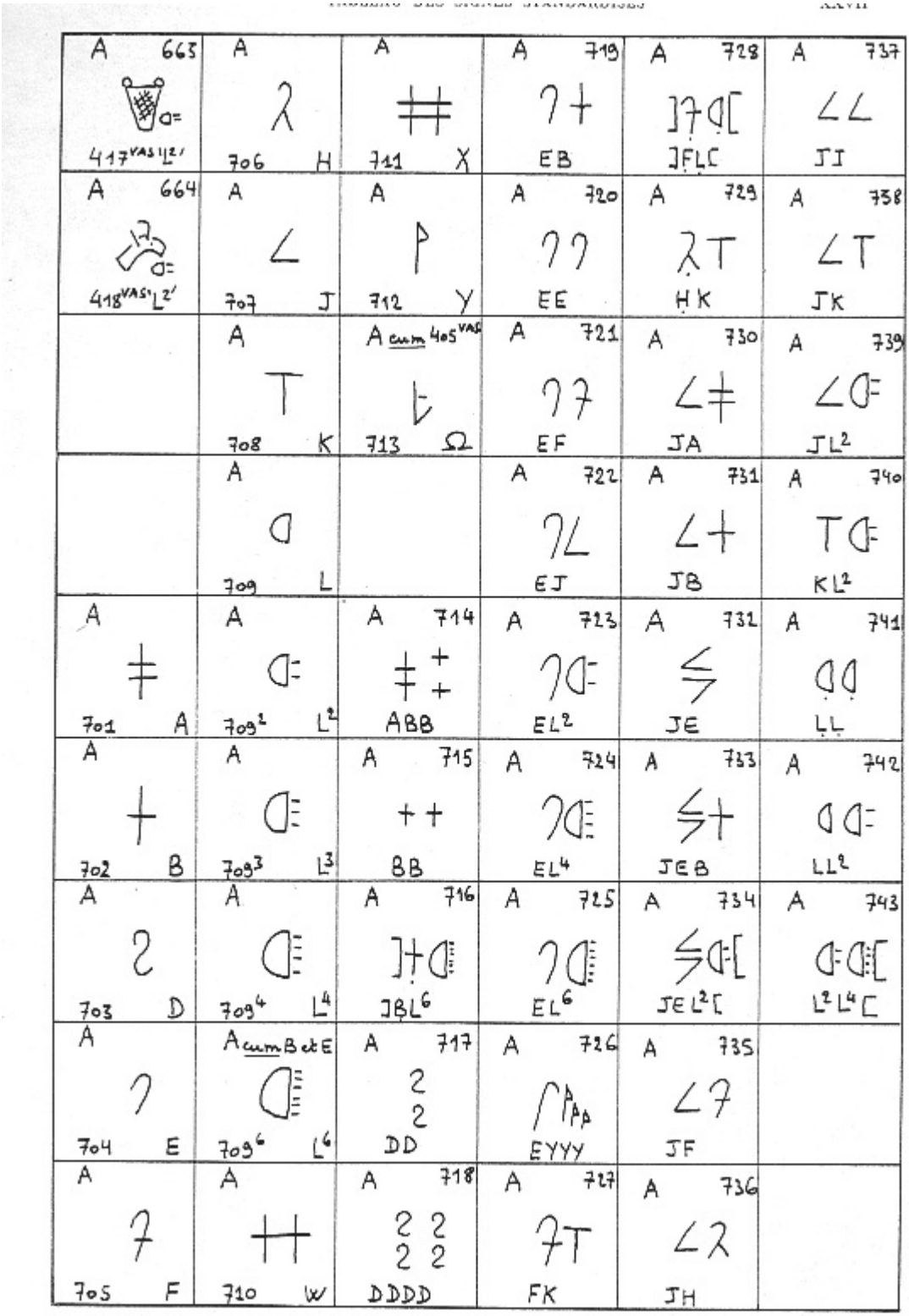
4. Signes complexes.

Figure 4. Table of standard signs in Linear A (A555-A608), from GORILA.



5. Signes complexes.

Figure 5. Table of standard signs in Linear A (A609-A662), from GORILA.



6. Signes complexes, fractions simples et fractions complexes.

Figure 6. Table of standard signs in Linear A (A663-A743), from GORILA.

A. Administrative

1. Title

Proposal for encoding the Linear A script in the SMP of the UCS

2. Requester's name

UC Berkeley Script Encoding Initiative (Universal Scripts Project)

3. Requester type (Member body/Liaison/Individual contribution)

Liaison contribution.

4. Submission date

2010-05-09

5. Requester's reference (if applicable)

6. Choose one of the following:

6a. This is a complete proposal

Yes.

6b. More information will be provided later

No.

B. Technical – General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

Yes.

1b. Proposed name of script

Linear A.

1c. The proposal is for addition of character(s) to an existing block

No.

1d. Name of the existing block

2. Number of characters in proposal

389.

3. Proposed category (A-Contemporary; B.1-Specialized (small collection); B.2-Specialized (large collection); C-Major extinct; D-Attested extinct; E-Minor extinct; F-Archaic Hieroglyphic or Ideographic; G-Obscure or questionable usage symbols)

Category C.

4a. Is a repertoire including character names provided?

Yes.

4b. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?

Yes.

4c. Are the character shapes attached in a legible form suitable for review?

Yes.

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

George Douros and Michael Everson.

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, FontLab.

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

Yes.

6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

Yes.

7. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?

Yes.

8. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at http://www.unicode.org for such information on other scripts. Also see Unicode Character Database http://www.unicode.org/Public/UNIDATA/ UnicodeCharacterDatabase.html and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

See above.

C. Technical – Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.

2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?

Yes.

2b. If YES, with whom?

John Younger, Brent Davis, Emilia Oddo, Yves Duhoux.

2c. If YES, available relevant documents

3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?

See above.

4a. The context of use for the proposed characters (type of use; common or rare)
Rare enough.
4b. Reference
5a. Are the proposed characters in current use by the user community?
Yes.
5b. If YES, where?
Scholars.
6a. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?
No.
6b. If YES, is a rationale provided?
6c. If YES, reference
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?
Yes.
8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?
No.
8b. If YES, is a rationale for its inclusion provided?
8c. If YES, reference
9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?
No.
9b. If YES, is a rationale for its inclusion provided?
9c. If YES, reference
10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?
No.
10b. If YES, is a rationale for its inclusion provided?
10c. If YES, reference
11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?
No.
11b. If YES, is a rationale for such use provided?
11c. If YES, reference
11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?
No.
11e. If YES, reference
12a. Does the proposal contain characters with any special properties such as control function or similar semantics?
No.
12b. If YES, describe in detail (include attachment if necessary)
13a. Does the proposal contain any Ideographic compatibility character(s)?
No.
13b. If YES, is the equivalent corresponding unified ideographic character(s) identified?