

PROPOSAL SUMMARY FORM

Proposal

L2/03-075

rev of L2/02-318R

A. Administrative

1. Title:

Proposal for encoding Greek numerical characters in the UCS

2. Requester's name:

Thesaurus Linguae Graecae Project (University of California, Irvine)

3. Requester type:

Expert contribution

4. Submission date:

2003-02-28

5. Requester's reference

6. Completion

This is a complete proposal.

B. Technical - General

1a. The proposal is for addition of character(s) to a new block:

Name of the block:

Ancient Greek Numerical Characters

2. Number of characters in proposal:

73

3. Proposed category

Category C

4. Proposed Level of Implementation (1, 2 or 3):

Level 1

5a. Character names provided?

Yes.

5b. Character names in accordance with guidelines

Yes.

5c. Character shapes reviewable?

Yes

6a. Who will provide the appropriate computerized font for publishing the standard?

TLG Project and David Perry

6b. Fonts currently available.

Yes.

6c. Font format

True Type

7a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

Yes

7b. Are published examples of use of proposed characters attached?

Yes.

8. Does the proposal address other aspects of character data processing?

No.

C. Technical - Justification

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

No.

2. Has contact been made to members of the user community?

Yes. The TLG has been in contact with experts in the field of Classics. Earlier versions of this proposal have been posted online and received comments by members of the profession. Proposal was reviewed by Dr. John Mansfield, Cornell University, Professor Jeffrey Rusten, Cornell University, Professor Roger Bagnall, Columbia University and Dr. Deborah Anderson, UC Berkeley.

3. Information on the user community for the proposed characters

Scholarly community.

4. The context of use for the proposed characters (type of use; common or rare)

Use varies.

5. Are the proposed characters in current use by the user community?

Yes. Characters are present primarily in ancient papyri and inscriptions and their modern editions. Used extensively by scholars of Greek.

6. After giving due considerations to the principles in *Principles and Procedures document*, must the proposed characters be entirely in the BMP?

No.

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

Yes.

8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No.

9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

No.

10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

A few characters are similar but not identical.

11a. Does the proposal include use of combining characters and/or use of composite sequences

No.

12. Does the proposal contain characters with any special properties such as control function or similar semantics?

No.

13. Does the proposal contain any Ideographic compatibility character(s)?

No.

Introduction

Ancient Greeks used primarily alphabetic characters to represent numbers. A number of non-alphabetic symbols were also used and those are not currently present in the Unicode Standard. This proposal contains 73 Greek Numerical (non-alphabetic) characters. A transcribed papyrus which utilizes many of the characters proposed is appended to the end of this document.

Numerical characters appear in a large number of ancient sources (papyri and inscriptions). They are the standard symbols used for the representation of numbers, fractions, weights and measures and have consistently been used in modern editions of Greek papyri and inscriptions as well as various publications related to the study and interpretation of ancient documents. The proposed characters are already present in existing non-Unicode Greek fonts and used consistently by the scholarly community.

The proposed characters fall into 2 categories:

1. Standard Ancient Greek Numerical Symbols and
2. Ancient Greek Acrophonic Numerals

The property for all characters is “Number, other” (No).

Greek Obol Symbol	~		Glyph variants: ~, ~ and \. Kenyon also records a fourth: —. (Kenyon 1974: 129) 007E, 223D, 005C and 2013 are similar to four out of the five glyph variants; however, 223D has mathematical properties. 1 Obol is c. 0.7g and one sixth of a Drachma. Example: Hultsch 1.220
Greek Two Obols Symbol	≈		Glyph variants: ≈, ≈, =. 2248 is similar to one glyph variant, however, this character has mathematical properties. Example: Hultsch 1.226
Greek Three Obols Symbol	Ɔ		Glyph variants: Γ, Γ, Ɔ, T and Ɔ (Bilabel 1923:2308, 2314) 0393, 03A4 and 223F are similar to three glyph variants, however, 223F has mathematical properties. Example: Kenyon 1.142
Greek Four Obols Symbol	Ɔ		Example: Kenyon 1.142
Greek Five Obols Symbol	Ɔ		Example: Kenyon 1.142

Weights, Measures and Money: Standard Greek Measures of Capacity

Greek Metretes Symbol	ⲉ		This is a liquid measure. 1 Metretes is c. 35l and 144 liquid Kotyles. Example: Kenyon 1.153
Greek Chous Symbol	χ ^o	03C7 <superscript> 03BF	This is a liquid measure. 1 Chous is c.3l and 12 liquid Kotyles.
Greek Hemichous Symbol	-	-	This is a liquid measure. 1 Hemichous is c.1.5l and 12 liquid Kotyles.
Greek Medimnos Symbol	-	-	This is a dry measure. 1 Medimnos is c. 180l and 768 dry Kotyles.
Greek Hekteus Symbol	-	-	This is a dry measure. 1 Hekteus is c. 30l and 128 dry Kotyles.
Greek Choinix Symbol	-	-	This is a dry measure. 1 Choinix is c. 1l and 4 dry Kotyles
Greek Kotyle Symbol	Κ ^o	See note	Formed with Greek Kyathos Base Symbol + <superscript> 03BF This is both a liquid and a dry measure. 1 Kotyle is c. 250ml.
Greek Oxybaphon Symbol	-	-	This is both a liquid and a dry measure. 1 Oxybaphon is c. 60ml and ¼ Kotyle.
Greek Kyathos Base Symbol	Κ		Often written with <superscript> 03C5 after it. This is a dry measure. 1 Kyathos is c. 40ml and 1/6 Kotyle. Example: Hultsch 1.218

Weights, Measures and Money: Greek Characters for Roman Weights and Measures

Three Greek characters were used to represent weights (and occasionally measures) in the Roman system. The Roman system is based on the Libra or As, of 327.45g. This is divided into 12 Unciae. The Greek translations for these terms are Litra for Libra, and Ounkia³ for Uncia.

Greek Litra Symbol	ⲗ		Glyph variant: ⲗ. Example: Raeder 1.152
Greek Ounkia Symbol	Ⲟ		Example: Hultsch 1.220
Greek Xestes Symbol	Ⲟ		Glyph variants: Ⲟ, Ⲟ, Ⲟ, Ⲟ, Ⲟ, Ⲟ, Ⲟ, Ⲟ, Ⲟ, Ⲟ. Example: Hultsch 1.228

³ Also *Onkia*. See LSJ 1268

Weights, Measures and Money: Greek Characters for non-Graeco-Roman Measures

Greek Artabe Symbol	ⲁ		Other glyph variants: <, ⲁ, ⲁ̄, ⲁ̄, ⲁ̄ and ⲁ̄. Notes: 00F7 is similar to one glyph variant. Example: Kenyon 2.142
Greek Aroura Symbol	ⲁ		Example: Kenyon 1.143

Weights, Measures and Money: Ancient Greek Medical Measures

Greek Gramma Symbol	Γ̅		Example: Hultsch.1.220
Greek Tryblion Base Symbol	Ϝ		Example: Hultsch.1.221

2. Ancient Greek Acrophonic Numerals

Introduction

In addition to the alphabetic numerical system, ancient Greeks also used a series of characters known as the acrophonic numerals.⁴ Acrophonic numerals are found primarily in ancient Greek inscriptions in Athens and other city states.⁵ The Attic system (Attica is the greater geographic area which includes the city of Athens) is the most common and well-documented. A transcribed inscription from Athens (ca. 451/0 BC) showing a number of acrophonic numerals is appended at the end of this document.⁶

The table *Complete Outline of Ancient Greek Acrophonic Numerals* below shows all 76 characters required to represent acrophonic numerals in Unicode. Twenty-one of these characters already exist in the Unicode standard. The proposal includes the characters needed for the encoding of the *Attic* acrophonic system, namely characters used in Athens and the surrounding area (Attica) and non-Attic characters which cannot be considered as glyph variants of Attic.

⁴ The name ‘acrophonic’ from the Greek word “akron” which means ‘extreme’ or ‘farthest point.’ The term implies that the initial letter of the word by which the number is called, represents the number itself. E.g. Δ (=10) is used for ΔEKA, the Greek word for ‘ten.’

⁵ Heath & Toomer (1996) 1052












⁶ Hiller von Gaertringen, F., *Inscriptiones Graecae I Editio Minor* (Berlin, 1924) 83

Complete Outline of Ancient Greek Acrophonic Numerals

Name		Unicode	Additional Character Names, Glyph Variants, Notes, Examples
Attic Acrophonic $\frac{1}{12}$ Unit	/	002F	• Attic Acrophonic $\frac{1}{12}$ Obol Example: <i>IG (Inscriptiones Graecae) I.43</i>
Attic Acrophonic 1 Chalkous	X	03A7	• Attic Acrophonic $\frac{1}{8}$ Unit • Attic Acrophonic $\frac{1}{8}$ Obol • Attic Acrophonic 1,000 Units • Attic Acrophonic 1,000 Drachmas • Cyrenaic Acrophonic 20 Drachmas Example: <i>IG I.85</i>
Attic Acrophonic $\frac{1}{4}$ Unit	∪		• Attic Acrophonic $\frac{1}{4}$ Obol Example: <i>IG I.151</i>
Attic Acrophonic $\frac{1}{2}$ Unit	ϸ		• Attic Acrophonic $\frac{1}{2}$ Obol • Troezenian Acrophonic 1 Drachma Example: <i>IG I.151</i>
Attic Acrophonic 1 Unit	Ι	0399	• Attic Acrophonic 1 Obol • Troezenian Acrophonic $\frac{1}{4}$ Unit • Orchomenus, Carystus Acrophonic 1 Drachma Example: <i>IG I.82</i>
Attic Acrophonic 1 Drachma	Ϲ		Example: <i>IG I.82</i>
Attic Acrophonic 5 Units	Ϻ		• Attic Acrophonic 5 Drachmas • Heraeum Acrophonic 1 Plethron • Epidauran Acrophonic 5 Chalkoi • Argive, Heraeum, Epidauran, Troezenian Acrophonic 50 Units • Cyrenaic Acrophonic 5 Mnas Example: <i>IG I.82</i>
Attic Acrophonic 10 Units	Δ	0394	• Attic Acrophonic 10 Drachmas • Thespian Acrophonic 1 Drachma (ϻ) • Orchomenian Acrophonic 10 Drachmas (ϻ) • Cyrenaic Acrophonic $\frac{1}{50}$ Drachma Example: <i>IG I.82</i>
Attic Acrophonic 50 Units	ϻ		• Attic Acrophonic 50 Drachmas <i>Glyph variants:</i> Naxos: ϻ Example: <i>IG I.82</i>
Attic Acrophonic 100 Units	Η	0397	• Attic Acrophonic 100 Drachmas • Thespian, Orchomenian Acrophonic $\frac{1}{2}$ Unit <i>Glyph variants:</i> Argos, Nemea, Epidaurus, Troezen: ϻ (archaic glyph variant) Example: <i>IG I.82</i>
Attic Acrophonic 500 Units	ϻ		• Attic Acrophonic 500 Drachmas <i>Glyph variants:</i> Epidaurus: ϻ ^ε Cos: ϻ ^ε Example: <i>IG I.83</i>
Attic Acrophonic 5,000 Units	ϻ		• Attic Acrophonic 5,000 Drachmas Example: <i>IG I.83</i>
Attic Acrophonic 10,000 Units	Μ	039C	• Attic Acrophonic 10,000 Drachmas • Attic Acrophonic 1 Mna Example: <i>IG I.170</i>
Attic Acrophonic 50,000 Units	ϻ		• Attic Acrophonic 50,000 Drachmas • Attic Acrophonic 5 Mnas Example: <i>IG I.170</i>
Attic Acrophonic 1 Talent	Τ	03A4	• Epidauran, Hermionian, Tegean, Delphi Acrophonic $\frac{1}{4}$ Unit • Thespian, Naxan, Andanian Acrophonic 3 Units Example: <i>IG I.132</i>
Attic Acrophonic 5 Talents	ϻ		Example: <i>IG I.130</i>

Attic Acrophonic 10 Talents	⚡		Example: <i>IG</i> I.130
Attic Acrophonic 50 Talents	⚡		Example: <i>IG</i> I.132
Attic Acrophonic 100 Talents	⚡		Example: <i>IG</i> I.130
Attic Acrophonic 500 Talents	⚡		Example: <i>IG</i> I.152
Attic Acrophonic 1,000 Talents	⚡		Example: <i>IG</i> I.152
Attic Acrophonic 5,000 Talents	⚡		Example: <i>IG</i> I ² .342
Attic Acrophonic 1 Stater	Σ	03A3	• Epidauran Acrophonic 1 Chalkous <i>Glyph Variants:</i> Thespiae: ⚡ Example: <i>IG</i> I.135
Attic Acrophonic 5 Staters	⚡		Example: <i>IG</i> I.163
Attic Acrophonic 10 Staters	⚡		Example: <i>IG</i> I.163
Attic Acrophonic 50 Staters	⚡		Example: <i>IG</i> I.163
Attic Acrophonic 100 Staters	⚡		Example: <i>IG</i> I ² .347
Attic Acrophonic 500 Staters	⚡		Example: <i>IG</i> I ² .347
Attic Acrophonic 1,000 Staters	⚡		Example: <i>IG</i> I ² .347
Attic Acrophonic 10,000 Staters	⚡		Example: <i>IG</i> I ² .347
Attic Acrophonic 50,000 Staters	⚡		Example: <i>IG</i> I ² .347
Attic Acrophonic 10 Mnas	⚡		• Thespian Acrophonic 10,000 Units <i>Glyph Variants:</i> Tegea: ⚡ Messene: ⚡ Andania, Stratus: ⚡ Example: <i>IG</i> I.163
Heraeum Acrophonic 1 Plethron	⚡		• Epidauran Acrophonic 5 Units Example: <i>IG</i> IV.336
Andanian Acrophonic 1 Kollybos	⚡	039A	Example: <i>IG</i> V.1.#1532
Troezenian Acrophonic 1/8 Unit	○	25EF	• Thespian, Orchomenian, Carystian Acrophonic 1 Unit • Argos Acrophonic 10 Units Example: <i>IG</i> 4.162
Andanian Acrophonic 1/4 Unit	>	003E	• Cyrenaic Acrophonic 1/5 Drachma • Cyrenaic Acrophonic 10 Mnas Example: properly a glyph variant of Attic Acrophonic 1/4 Unit. See. <i>IG</i> V.2.11
Andanian Acrophonic 1/2 Unit	<	003C	• Also found in Epidaurus, and Thespiae • Tegean Acrophonic 1 Drachma Example: properly a glyph variant of Attic Acrophonic 1/2 Unit See <i>IG</i> V.1.#1532
Naxian Acrophonic 1/2 Unit	⚡	0393	Example: <i>IG</i> V.2.11
Tegean Acrophonic 1/2 Unit	⚡	0395	Example: <i>IG</i> V.2.11
Troezenian Acrophonic 1/2 Unit	⚡	1D215	• Carystian, Acrophonic 100 Units Example: <i>IG</i> 4.162
Nemean Acrophonic 1/2 Unit	⚡	039E	<i>Note:</i> Archaic glyph variant of 039E. Example: <i>IG</i> IV.67

Argive Acrophonic 1 Unit	—	10110	<ul style="list-style-type: none"> • Also found at Nemea and Troezen • Hermionian Acrophonic 1/2 Unit • Heraeum, Troezenian, Carystian Acrophonic 10 Units • Cyrenaic Acrophonic 1/10 Drachma • Cyrenaic Acrophonic 1 Mna Example: <i>IG</i> 4.162
Argive Acrophonic 1 Unit	.	00B7	<ul style="list-style-type: none"> • Also found at Heraeum and Nemea Example: <i>IG</i> IV.316
Thespian Acrophonic 1 Unit	▷		Example: <i>IG</i> VII.301
Hermionian Acrophonic 1 Unit	⌞		Example: <i>IG</i> IV.137
Epidaurean Acrophonic 2 Units	• •		<i>Note:</i> Not same as 003A. Top dot level with top of uppercase letters. Design to match 00B7. Example: <i>IG</i> IV.316
Epidaurean Acrophonic 3 Units	∴	See note	<i>Note:</i> Accepted by UTC as part of extended Greek punctuation. No codepoint yet assigned. Design to match 00B7. Example: <i>IG</i> IV.316
Thespian Acrophonic 2 Units	Σ		Example: <i>IG</i> IV.299
Cyrenaic Acrophonic 1 Drachma	Z	0396	<ul style="list-style-type: none"> • Cyrenaic Acrophonic 50 Mnas Example: Tod (1936-7) 257
Cyrenaic 2 Drachmas Symbol	⌞		<ul style="list-style-type: none"> • Cyrenaic Acrophonic 100 Mnas Example: Tod (1936-7) 257
Epidaurean Acrophonic 2 Drachmas	==		<i>Note:</i> Top line level with top of uppercase letters. Example: <i>IG</i> IV.316
Epidaurean Acrophonic 3 Drachmas	===	10112	<i>Note:</i> Top line level with top of uppercase letters. Example: <i>IG</i> IV.162
Troezenian Acrophonic 5 Units	⌞		<ul style="list-style-type: none"> • Also found at Tegea Example: <i>IG</i> 4.163
Argive Acrophonic 10 Units	⊙	2609	<ul style="list-style-type: none"> • Also found at Nemea and Heraeum Example: <i>IG</i> IV.79
Troezenian Acrophonic 10 Units	≋		<ul style="list-style-type: none"> • Cyrenaic Acrophonic 4 Drachmas • Cyrenaic Acrophonic 200 Mnas Example: <i>IG</i> 4.162
Troezenian Acrophonic 10 Units	⌞		Example: <i>IG</i> IV.176 <i>Notes:</i> Not glyph variant of Troezenian Acrophonic 10 Units/ Cyrenaic Acrophonic 4 Drachmas above
Hermionian Acrophonic 10 Units	⌞		Example: <i>IG</i> IV.137
Messenian Acrophonic 10 Units	↑		Example: <i>IG</i> V.1.2.288
Thespian Acrophonic 10 Units	⌞		Example: <i>IG</i> VII.301
Thespian Acrophonic 30 Units	⌞		<ul style="list-style-type: none"> • Also found at Orchomenus <i>Glyph Variants:</i> Thespieae: ⌞, ⌞, ⌞, ⌞, ⌞ Orchomenus: ⌞ Example: <i>IG</i> VII.299
Troezenian Acrophonic 50 Units	⌞		<ul style="list-style-type: none"> • Epidaurean Acrophonic 500 Units Example: <i>IG</i> IV.337
Troezenian Acrophonic 50 Units	⌞		Example: <i>IG</i> 4.163 <i>Notes:</i> Not glyph variant of Troezenian Acrophonic 50 Units/ Epidaurean Acrophonic 500 Units above.
Hermionian Acrophonic 50 Units	⌞		Example: <i>IG</i> IV.136
Thespian Acrophonic 50 Units	⌞		<ul style="list-style-type: none"> • Also found at Orchomenus Example: <i>IG</i> VII.300

Thespian Acrophonic 100 Units		• Also found at Orchomenus Example: <i>IG</i> VII.304
Thespian Acrophonic 300 Units		Example: <i>IG</i> VII.300
Epidaurean Acrophonic 500 Units		Example: <i>IG</i> IV.335
Troezenian Acrophonic 500 Units		Example: <i>IG</i> 4.165
Thespian Acrophonic 500 Units		• Also found at Orchomenus <i>Glyph Variants:</i> • Thespieae: Π Ε, Π Ε Example: <i>IG</i> VII.299
Carystian Acrophonic 500 Units		Example: Tod (1911-12) 113
Naxian Acrophonic 500 Units		<i>IG</i> XII.sup.104
Thespian Acrophonic 1,000 Units		• Also found at Orchomenus Example: <i>IG</i> VII.299
Thespian Acrophonic 5,000 Units		• Also found at Orchomenus Example: <i>IG</i> VII.575
Delphic Acrophonic 5 Mnas		Example: <i>IG</i> V.1.2.288
Stratian Acrophonic 50 Mnas		Example: <i>IG</i> IX.1.2.41

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TABLE xx01-3F: GREEK NUMERICAL CHARACTERS

	xx0	xx1	xx2	xx3	xx4
0	∟	÷	Ϡ	Ϸ	Ϣ
1	ω	ϥ	Ϲ	□	ϣ
2	ϩ	Ϫ	ϫ	=	ϠϷ
3	∟	ϩ	Ϡ	Ϣ	ϣ
4	∟	∟	Δ	≈	⊞
5	∟	∟	Ϡ	∟	∟
6	~	∟	∟	∟	∟
7	≈	∟	∟	∟	∟
8	∟	∟	∟	∟	∟
9	∟	∟	∟	∟	
A	∟	∟	∟	∟	
B	∟	∟	∟	∟	
C	∟	∟	∟	∟	
D	∟	∟	∟	∟	
E	∟	∟	∟	∟	
F	∟	∟	∟	∟	

TABLE xx01-3F: GREEK NUMERICAL CHARACTERS

hex	Name
xx00	ANCIENT GREEK HALF SIGN
xx01	ANCIENT GREEK TWO-THIRDS SIGN
xx02	ANCIENT GREEK THREE-QUARTERS SIGN
xx03	ANCIENT GREEK YEAR SIGN
xx04	ANCIENT GREEK TALENT SIGN
xx05	ANCIENT GREEK DRACHMA SIGN
xx06	ANCIENT GREEK OBOL SIGN
xx07	ANCIENT GREEK TWO OBOLS SIGN
xx08	ANCIENT GREEK THREE OBOLS SIGN
xx09	ANCIENT GREEK FOUR OBOLS SIGN
xx0A	ANCIENT GREEK FIVE OBOLS SIGN
xx0B	ANCIENT GREEK METRETES SIGN
xx0C	ANCIENT GREEK KYATHOS BASE SIGN
xx0D	ANCIENT GREEK LITRA SIGN
xx0E	ANCIENT GREEK OUNKIA SIGN
xx0F	ANCIENT GREEK XESTES SIGN
xx10	ANCIENT GREEK ARTABE SIGN
xx11	ANCIENT GREEK AROURA SIGN
xx12	ANCIENT GREEK GRAMMA SIGN
xx13	ANCIENT GREEK TRYBLION BASE SIGN
xx14	ATTIC ACROPHONIC 1/4 UNIT
xx15	ATTIC ACROPHONIC 1/2 UNIT
xx16	ATTIC ACROPHONIC 1 DRACHMA
xx17	ATTIC ACROPHONIC 5 UNITS
xx18	ATTIC ACROPHONIC 50 UNITS
xx19	ATTIC ACROPHONIC 500 UNITS
xx1A	ATTIC ACROPHONIC 5,000 UNITS
xx1B	ATTIC ACROPHONIC 50,000 UNITS
xx1C	ATTIC ACROPHONIC 5 TALENTS
xx1D	ATTIC ACROPHONIC 10 TALENTS
xx1E	ATTIC ACROPHONIC 50 TALENTS
xx1F	ATTIC ACROPHONIC 100 TALENTS
xx20	ATTIC ACROPHONIC 500 TALENTS
xx21	ATTIC ACROPHONIC 1,000 TALENTS
xx22	ATTIC ACROPHONIC 5,000 TALENTS
xx23	ATTIC ACROPHONIC 5 STATERS
xx24	ATTIC ACROPHONIC 10 STATERS
xx25	ATTIC ACROPHONIC 50 STATERS
xx26	ATTIC ACROPHONIC 100 STATERS
xx27	ATTIC ACROPHONIC 500 STATERS
xx28	ATTIC ACROPHONIC 1,000 STATERS
xx29	ATTIC ACROPHONIC 10,000 STATERS
xx2A	ATTIC ACROPHONIC 50,000 STATERS
xx2B	ATTIC ACROPHONIC 10 MNAS
xx2C	HERAEUM ACROPHONIC 1 PLETHON
xx2D	THESPIAN ACROPHONIC 1 UNIT
xx2E	HERMIONE ACROPHONIC 1 UNIT
xx2F	EPIDAUREAN ACROPHONIC 2 UNITS
xx30	THESPIAN ACROPHONIC 2 UNITS
xx31	CYRENAIC ACROPHONIC 2 DRACHMAS
xx32	EPIDAUREAN ACROPHONIC 2 DRACHMAS
xx33	TROEZENIAN ACROPHONIC 5 UNITS
xx34	TROEZENIAN ACROPHONIC 10 UNITS 1
xx35	TROEZENIAN ACROPHONIC 10 UNITS 2
xx36	HERMIONIAN ACROPHONIC 10 UNITS
xx37	MESSENIAN ACROPHONIC 10 UNITS
xx38	THESPIAN ACROPHONIC 10 UNITS
xx39	THESPIAN ACROPHONIC 30 UNITS
xx3A	TROEZENIAN ACROPHONIC 50 UNITS 1
xx3B	TROEZENIAN ACROPHONIC 50 UNITS 2
xx3C	HERMIONIAN ACROPHONIC 50 UNITS
xx3D	THESPIAN ACROPHONIC 50 UNITS
xx3E	THESPIAN ACROPHONIC 100 UNITS
xx3F	THESPIAN ACROPHONIC 300 UNITS
xx40	EPIDAUREAN ACROPHONIC 500 UNITS
xx41	TROEZENIAN ACROPHONIC 500 UNITS
xx42	THESPIAN ACROPHONIC 500 UNITS
xx43	CARYSTIAN ACROPHONIC 500 UNITS
xx44	NAXIAN ACROPHONIC 500 UNITS
xx45	THESPIAN ACROPHONIC 1,000 UNITS
xx46	THESPIAN ACROPHONIC 5,000 UNITS
xx47	DELPHIC ACROPHONIC 5 MNAS
xx48	STRATIAN ACROPHONIC 50 MNAS

Appendix

Example of standard ancient Greek numerical symbols.⁷

(Col. 2.)

(Χοασουνη Π ριος πρ' Επω ακα, αῦ / μ
 λ β ις λο [β α λο]ξο [διοι' / μα f χ°] πρ° β f ο'χ° [οιω' / η] = χ° / } νβ f χ°)

Καλης αδε και Τικω[ς] φῶι ιδιο' αῦ / κ
 κᾶ β d αλλ' β λο' [/ β d λο] διοι' / ε f ο'χ° πρ° [= χ°] / } ε

20 Μαρκος τ° Ηρατος και Φαηριος
 ου αμοντπωτ° ωνθ° Παμωσθ°
 πηκ [περισ'] . . [π]ηκ α [διοι' / ε—] ο' προσ° = [/] ε f ο'

Ο ουε ης αλλη' β η 4 λο ιεῖ
 } τιζ—ο' προσ° [/ ιθ f /] f τλζ ο'

25 Θεωχ αδε το d αδε το d ις
 β . d [διοι] / κς πρ° α f [/ κ] ζ f

Περεχων ου δια ηους Μοσχιων ηους φῶι ιδι[ο' αῦ] / κ λ ρκη
 β η 4 σνς
 (λ 4 ις λο [β] ις λο ξο αλλο [λ] λο ρκη β ξο σνς) ξο' β σνς
 / β . . . [διοι' / β f ο' αλλο αῦ / μ κη λ 4' [β ις διοι' /] β f / } ε— [ο' πρ°] =
 / } ε f ο'

30 } τπα [f ο' διοι' } μβ ο'χ° προσ° / β [f χ°] ιερ, } τιζ—ο' προ[σ' / θ f]

Ancient Greek 3
Obol Symbol

Ancient Greek
Aroua Symbol

Ancient Greek Half
Symbol (glyph variant)

Ancient Greek 4
Obol Symbol

Ancient Greek 5
Obol Symbol

Example of Ancient Greek Acrophonic numbers.⁸

194 IV a. 451/0 = Ol. 82, 2 = Panath. 1, 4. Rediit ad formas antiq

Ε Π Ι	Τ Ε Σ	Α Ρ Χ Ε Σ	Τ Ε Σ	Τ Ε Τ Α	[Ρ Τ] Ε Σ,
ΡΗ	(I)	ΦΑΣΕΛΙΤ[ΑΙ]	Ρ	(II)	ΘΕΡΜ[ΑΙΟΙ]
ΡΗ	ΣΚΙΟΝΑΙΟΙ	ΚΑΙ ΘΡΑΜ[Β]ΑΙΟΙ	ΔΡΗΙΙΙ	ΕΧΣ [ΙΚ]ΑΡΟ	ΚΑΡ[ΒΑ]ΣΥΑ[Ν]ΔΕΣ
β ΗΗΗ	ΑΦΥΤΑΙΟΙ	ΑΙΓΑΝΤ[Ι]ΟΙ	ΔΔΔΡΗΗ	ΚΡ[ΥΕΣ]	ΑΥ[Λ]ΕΑΤΑΙ
Ρ	ΜΕΝΔΑΙΟΙ	ΣΚ[Α]ΦΑΙΟΙ	ΗΡ	ΚΛΑΖΟΜΕΝΙΟΙ	[Π]ΑΡΠΑΡΙΘΤΑ[Ι]
ΔΡΗΙΙΙ	ΝΕΟΠΟΛΙΤΑΙ	Ε[Κ] ΠΑΛΛΕΝΕΣ	ΔΡΗΙΙΙ	ΟΙΝΑΙΟΙ	ΕΧΣ ΙΚΑΡΟ
Ρ	(Μ)ΥΚΟΝΙΟΙ	[Κ]ΑΚΟΛΑΒ[ΕΣ]	ΗΔΔΔΡΗ[Η]	ΤΕΡΜΕΡΕ[Σ]	ΤΕΙΟΙ
ΗΡ	[Λ]ΕΦΕΣ[ΙΜΑΝΔΕΣ]	ΗΗΡ	ΡΗ	ΦΟΚΑΙ[ΕΣ]	ΠΑΛΛ[ΙΠΕΡΚΟΣΙΟΙ]
ΔΔΔΔΡΗΙΙΙ		ΗΗΗ	ΓΗΗΗ	ΚΑ[ΛΧΕΔΟΝΙΟΙ]	
ΔΔΓ		ΡΗΗΗΗ			
15					

⁷ Kenyon, F.G., *Greek Papyri in the British Museum I* (London, 1893) 143. Characters found in this image but not in the table below are glyph variants of existing Greek letters or characters proposed below.

⁸ Hiller von Gaertringen, F., *Inscriptiones Graecae I Editio Minor* (Berlin, 1924) 83