INTRODUCTION TO OLD PHRYGIAN

Orsat Ligorio
University of Belgrade

Abbreviations

inscr.	inscription	PIE	Proto-Indo-European
M	Midas City	Rom.	Romanization
NPhr.	New Phrygian	W	West Phrygia
OPhr.	Old Phrygian	[*a*]	restituted letter
Phr.	Phrygian	*ạ*	uncertain letter

1. Script

Table 1: Old Phrygian Script

OPhr. Script	Rom.	IPA	OPhr. Script	Rom.	IPA	OPhr. Script	Rom.	IPA
𐐀	*a*	[a]	𐐵	*y*	[j]	𐐪	*r*	[r]
𐐁	*b*	[b]	𐐨	*k*	[k]	𐐮	*s*	[s]
𐐂	*g*	[g]	𐐩	*l*	[l]	𐐯	*t*	[t]
𐐃	*d*	[d]	𐐬	*m*	[m]	𐐰	*u*	[u]
𐐄	*e*	[e]	𐐭	*n*	[n]	𐐱	↑	[*dz*?]
𐐅	*v*	[ʊ]	𐐧	*o*	[o]	𐐲	Φ	[*dz*?]
𐐆	*i*	[i]	𐐫	*p*	[p]	𐐴	Ψ	[ks?]

Notes: [aː] is written as 𐐀 *a*, i.e. the same as [a]; [oː] as 𐐧 *o*, i.e. the same as [o]; [ai, ei, oi] as 𐐇 *ai*, 𐐈 *ei*, 𐐉 *ai* or as 𐐀𐐵 *ay*, 𐐄𐐵 *ey*, 𐐧𐐵 *oy;* [au, eu, ou] as 𐐀𐐅 *av*, 𐐄𐐅 *ev*, 𐐧𐐅 *ov* (or 𐐧𐐰 *ou*); [aːi, oːi] as 𐐇 *ai*, 𐐉 *ai*, i.e. the same as [ai, oi].

Table 2: New Phrygian Alphabet

NPhr. Alphabet	IPA	NPhr. Alphabet	IPA	NPhr. Alphabet	IPA
α	[a]	ι	[i, j]	ρ	[r]
β	[b]	κ	[k]	σ	[s]
γ	[g]	λ	[l]	τ	[t]
δ	[d]	μ	[m]	υ	[v]
ε	[e]	ν	[n]	ψ	[ps]
ζ	[(d)z]	ξ	[ks]	ω	[oː?]
η	[eː?]	ο	[o]		
(θ)	([tʰ])	π	[p]		

Notes: [u] is written as ου; [ŋ] as ν, not γ; [v] as υ, ου ; [ai, ei, oi] as αι, ει, οι; [au, eu] as αυ, ευ.

2. Phonology

Table 3: Proto-Indo-European Outcomes in Phrygian

PIE	OPhr.	NPhr.	PIE	OPhr.	NPhr.	PIE	OPhr.	NPhr.
**e*	*e*, *i*[1]	ε, ι[1]	**m̥*	*an*[3]	αν[3]	**t*	*t*	τ
**o*	*o*, *u*[2]	ο, ου[2]	**n̥*	*an*	αν	**d*	*t*	τ
**ē*	*a*	α	**r̥*	or	ουρ	**dʰ*	*d*	δ
**ō*	*o*	ου	**l̥*	–	–	**k*	*k*	κ
**m̂*	*m*, *n*[3]	μ, ν[3]	**i̯*	*i*	ι	**g*	–	–
**n̂*	*n*	ν	**u̯*	u	ου	**gʰ*	–	γ
**r̂*	*r*	ρ	**h₁*	*e*	ε	**kʷ*	*k*	κ
**l̂*	–	λ	**h₂*	*a*	α	**gʷ*	–	κ
**î*	–	ø	**h₃*	*o*	–	**gʷʰ*	–	γ
**û*	*v*, ø[4]	ου, ø[4]	**s*	ø	ø	**ḱ*	*k*	κ
**h₁̂*	ø	ø	**p*	*p*	π	**ǵ*	*k*	κ
**h₂̂*	ø	ø	**b*	–	–	**ǵʰ*	*g*	γ
**h₃̂*	–	–	**bʰ*	*b*	β	–	–	–

Notes: [1] – in front of PIE **nC*; [2] – in front to PIE **nC* or **-n#*; [3] – in word-final position; [4] – intervocalically.

2. Morphology

Table 4: Phrygian Nominal Morphology

	o-stems		*ā*-stems		*e*-stems		*i*-stems		*u*-stems		*C*-stems	
	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.
nomsg	*-os*	-ος	[f]*-a*, [m]*-as*	[f]-α	*-es*	–	*-is*	–	*-us*	–	*-s*	-ς
gensg	–	-ου	–	-ας	*-evo*	–	–	–	–	–	*-os*	-ος
datsg	*-oi*/*-oy*	-ου	*-ai*/*-ay*	-α(ι)	–	–	–	–	–	–	*-ei*/*-ey*	-ε(ι), -η
accsg	*-un*	-ο(υ)ν	*-an*	-αν	–	–	*-in*	-ιν	–	–	[c]*-an*,[n]*-ø*	[c]-αν,[n]-ø
vocsg	–	–	–	–	–	–	–	–	–	–	–	–
nompl	–	[m]-οι,[n]-α	–	-ας	–	–	–	–	–	–	–	[c]-ης,[n]-α
genpl	–	-ουν	–	–	–	–	–	–	–	–	–	–
datpl	–	-ως	–	–	–	–	–	–	–	–	–	–
accpl	[c]*-ois*,[n]*-a*	[n]-α	–	-αις	–	–	–	–	–	–	*-ais*	–
vocpl	–	–	–	–	–	–	–	–	–	–	–	–

Notes: [m] – masculinum; [f] – femininum; [c] – commune (masculinum & femininum); [n] – neutrum.

Tables 5 & 6: Phrygian Verbal Morphology

	ind praes act		ind aor act		ind pf act		ipv act		subj act		opt act	
	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.
1sg	–	–	–	–	–	–	–	–	–	–	–	–
2sg	–	–	–	–	–	–	–	–	–	–	–	–
3sg	*-et*	-ετ	*-es*	-ες	–	–	–	-του	?	–	?	–
1pl	–	–	–	–	–	–	–	–	–	–	–	–
2pl	–	–	–	–	–	–	–	–	–	–	–	–
3pl	–	–	–	–	–	-αρεν	–	-νvου	–	–	–	–

	ind praes med		ind aor med		ind pf med		ipv med		subj med		opt md	
	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.	OPhr.	NPhr.
1sg	–	–	–	–	–	–	–	–	–	–	–	–
2sg	–	–	–	–	–	–	–	–	–	–	–	–
3sg	–	-εταρ	*-(e)toi*	–	–	–	*-do*	-δου	?	–	–	–
1pl	–	–	–	–	–	–	–	–	–	–	–	–
2pl	–	–	–	–	–	–	–	–	–	–	–	–
3pl	–	–	–	–	–	–	–	–	–	–	–	–

OLD PHRYGIAN INSCRIPTIONS FROM MIDAS CITY

M-01a. dextroverse inscr. on the facade of the Midas Monument

ates : *arkiaevais* : *akenanogavos* : *midai* : *lavagtaei* : *vanaktei* : *edaes*

M-01b. dextroverse inscr. on the right pilaster of the Midas Monument

baba : *memevais* : *proitavos* : *kφiyanaveyos* : *sikeneman* : *edaes*

M-01c. dextroverse inscr. on the right interior post of the central niche of the Midas Monument

matẹ̣ṛ[ ] *atatasṃonokavạ*

M-01d I. sinistroverse inscr. on the left interior post of the central niche of the Midas Monument

midas
smateran
tvemesenepaṛkes

M-01d II. sinistroverse inscr. on the left interior post of the central niche of the Midas Monument

matera[
aviẹ[

M-01e. dextroverse inscr. on the base of the Midas Monument, to the right of the central niche

]*mạterey*[

M-01f. dextroverse inscr. in the accessory niche of the Midas Monument

]*as* : *tuav*[ ]*e*
niy : *ae* : *esuryoyoy* : *tọtin* :
ẹḍaẹ[*s*]

M-02. ambidirectional inscr. on a large altar found on the east cliff of the Midas City

bba : *memevais* : *protiavọ*[*s*]
k↑*ianaveyos* : *akaragayun*
edaes

M-03. dextroverse inscr. on a large altar found on the east cliff of the Midas City

]*abasiṃaṇakio*[

M-04. ambidirectional inscr. on a large altar found in the center of the Midas City plateau

akinanogavaṇ : *tiyes*
modrovanak : *avarạ*

M-05. sinistroverse inscr. found on the south-east cliff of the Midas City

apelan mekastevan[

M-06. ambidirectional inscr. on a small altar on the north side of the Midas City

[*v*]*ṛekun* : *deiatiteeạ*[
davoiiman

M-07. dextroverse inscr. on the side of a grotto found at the west stairs to the Midas City

tolos

M-08. sinistroverse (?) inscr. on the side of a road to the west of the Midas City

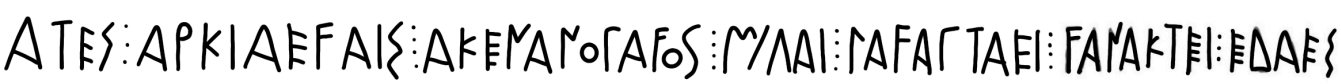
]*sạḅạṣ*

M-09. dextroverse inscr. on an architectural fragment found at the south cliff of the Midas City

akeṇano[

M-10. dextroverse inscr. on a block of stone found on the Midas City

]*gen:*[or]*ten:*[



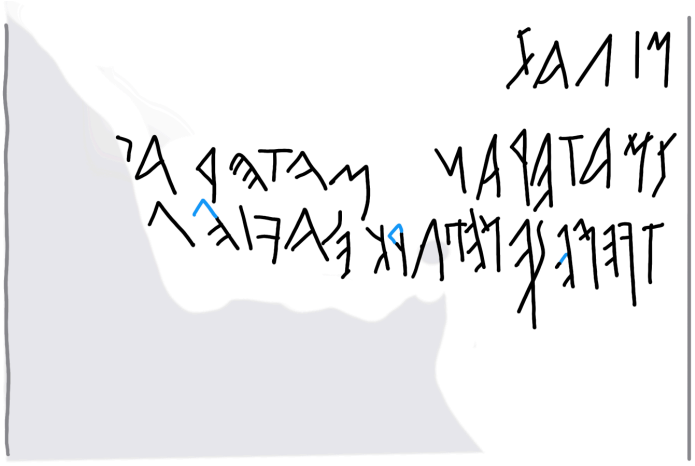
M-01a



M-01b



M-01c



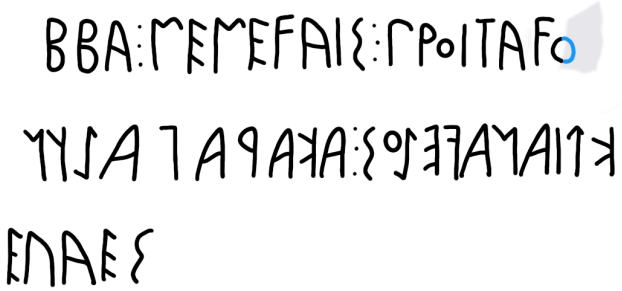
M-01d



M-01e



M-01f



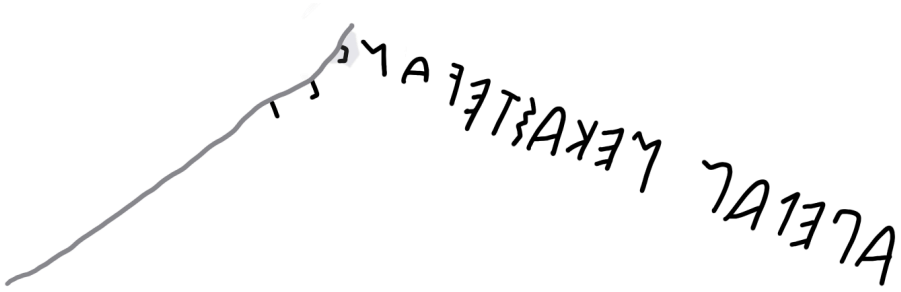
M-02



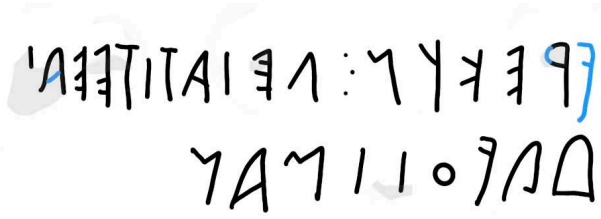
M-03



M-04



M-05



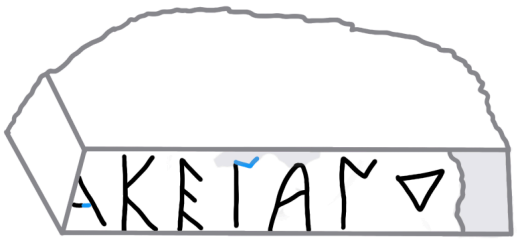
M-06



M-07



M-08



M-09



M-10

OLD PHRYGIAN INSCRIPTIONS FROM WEST PHRYGIA

W-01a. ambidirectional inscr. on the tympanum of the Areyastis Monument

vrekun : *tedatoy* : *yostutut*[ ]*ạ*[ ]*m*[ ]*noy* : *akenanogavos*
aey
materan : *areyastin*
bonok : *akenanogavọṣ*

W-01b. ambidirectional inscr. on the facade of the Areyastis Monument

yosesait : *materey* : *eveteksetey* : *ovevin* : *onoman* : *daψet* : *la*
kedokey : *venavtun* : *avtay* : *materey*

W-01c. sinistroverse inscr. on the right interior post of the Areyastis Monument

ataniyen : *kuryaneyon* : *ta*
negertoy

W-02. dextroverse inscr. around a tympanum carved in a rock

i̯ḳetayos : *pseikeiẹdạẹs*

W-03. dextroverse inscr. on the base of a tympanum of the Arsankaya Monument

]*m*[ ]*t*[ ]*ṭ*[ ]*m*[ ]*m*[

W-04. sinistroverse inscr. on a large niche

matarkubileya[ ]*toy*
en

W-05a. sinistroverse inscr. on the side of a tympanum of the Maltaş Monument

matimeyonna

W-05b. dextroverse inscr. on the front side Maltaş Monument, now largely underground

]*nst*[*e*]*ḍaespormạtẹṛạ*[

W-06. sinistroverse inscr. above the tympanum of the Asarkaya Monument

]*matạṛ*[

W-07. dextroverse inscr. on a niche

]*esagas* : *ạkenạs*[

W–08. **ambidirectional** inscr. carved in a rock

]*atesagomoi*
sa[ ]*tatedaes*
alussi↑*eto*
batelesbab[

W–09. dextroverse inscr. carved in a rock

si↑etoae
alus

W–10. ambidirectional inscr. carved in a rock

ataiedaelelavo
vi↑*eatevoatoios*
alussi↑*etodas*

W–11. dextroverse inscr. (in Greek alphabet) on a large marble stele

ΜΑΝΚΑΜΕΚΑΣΣΑΣΚΙΥΙΝΕΝΚΕΒΙΛΑΤΑΔΕ
ΝΑΝΝΕΚΟΙΝΟΥΝ:ΠΟΚΡΑΙΟΥΚΗΓΛΟΥΡΕΟΣΓΑΜΕΝΟ̣Υ̣Ν̣
Σ̣Α̣ΣΟΡΟΙΜΑΤΙΜΑΚΡΑΝ:ΒΛΑΣΚΟΝΚΕΤΑΚΡΙΣΚΕΛΟ̣Υ̣Ν̣
Ι̣Ο̣Υ̣ΜΡΟΤΙΣΛΑΠΤΑΜΑΤΙΑΟΙΝΟΥΝ:ΝΙΚΟΣΤΡΑΤΟ̣Σ̣
Κ̣Λ̣ΕΥΜΑΧΟΙΜΙΡΟΣΑΙΔΟΜΕΝΟΥΜΑΤΙΝΚΙΣΥΙΣΜ̣Ο̣
[ ]ΚΡΟΣΥΙΤΑΝΠΑΡΤΙΑΣΠΛΑΔΕΠΟΡΚΟΡΟΟΣ̣[ ]
Ρ̣Ο̣ΣΠΑΝΤΗΣ:ΠΕΝΝΙΤΙΙΟΣΚΟΡΟΑΝΔΕΤΟΥ̣Ν̣
Σ̣Ο̣Υ̣ΝΟΜΑΣΤΑΟΜΝΙΕΙΤΟΥΣ

W-01a

W-01b

W-01c

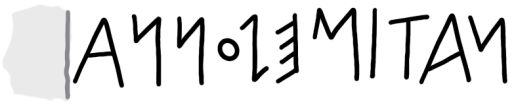
W-02



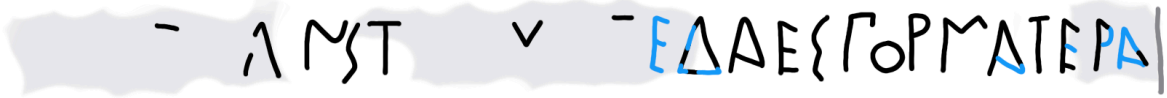
W-03



W-04



W-05a



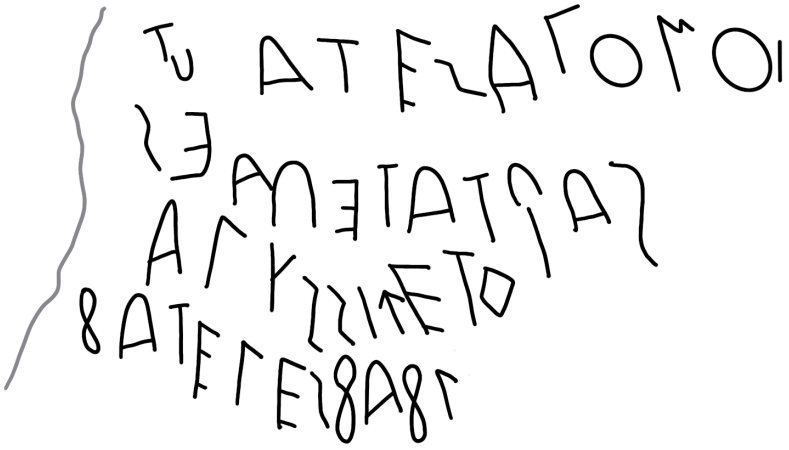
W-05b



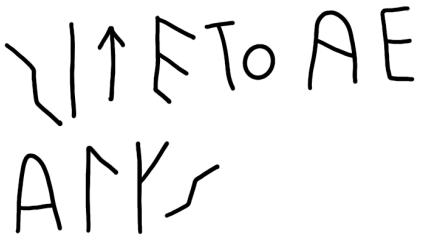
W-06



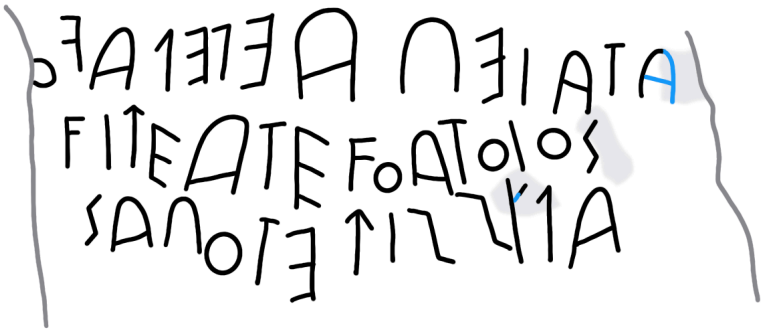
W-07



W-08



W-09



W-10

ΜΙΑΝΚΑΜΕΚΑΞΞΑΞΚΙΥΙΝΕΝΚΕΒΙΛΑΤΑΔΕ
ΝΑΝΝΕΚΟΙΝΟΥΝ:ΠΟΚΡΑΙΟΥΚΗΓΛΟΥΡΕΟΞΓΑΜΕΝΟΥΝ
ΣΑΞΟΡΟΙΜΑΤΙΜΑΚΡΑΝ:ΒΛΑΞΚΟΝΚΕΤΑΚΡΙΞΚΕΛΟΥΝ
ΙΟΥΜΡΟΤΙΞΛΑΠΤΑΜΑΤΙΑΟΙΝΟΥΝ: ΝΙΚΟΞΤΡΑΤΟΞ
ΚΛΕΥΜΑΧΟΙΜΙΒΟΞΑΙΔΟΜΕΝΟΥΜΑΤΙΝ ΚΙΞΥΙΞ ΜΟ
'ΚΡΟΞ ΥΙΤΑΝ ΠΑΡΤΙΑΞΠΛΑΔ ΕΠΟΡΚΟΡΟ ΟΞΙΤΛ
ΡΟΞΠΑΝΤΗΞ: ΠΕΝΝΙΤΙΙΟΞ ΚΟΡΟΑΝΔΕ ΤΟΥΝ
ΞΟΥΝΟΜΑΞΤ ΑΟΜΝΙΞΙΤΟΥΞ

W-11

INDEX OF WORDS OF M AND W INSCRIPTIONS

]*abasiṃaṇakio*[– M-03
ae – M-01f
aey – W-01a
akaragayun – M-02
akeṇano[– M-09
akenanogavos – M-01a, W-01a
akenanogavọṣ – W-01a
ạkenạs[– W-07
akinanogavaṇ – M-04
alus – W-09
alussi↑*eto* – W-08
alussi↑*etodas* – W-10
]*ạ*[ ]*m*[ ]*noy* – W-01a
apelan – M-05
areyastin – W-01a
arkiaevais – M-01a
]*as* – M-01f
ataiedaelelavo – W-10
ataniyen – W-01c
atatasṃonokavạ – M-01c
ates – M-01a
]*atesagomoi* – W-08
avarạ – M-04
aviẹ[– M-01d II
avtay – W-01b
baba – M-01b
batelesbab[– W-08
bba – M-02
bonok – W-01a
ẹḍaẹ[*s*] – M-01f
edaes – M-01a, M-01b, M-02
e]*ḍaespormạtẹṛạ*[– W-05b
en – W-04
enepaṛkes – M-01d I.
]*esagas* – W-07
esuryoyoy – M-01f
eveteksetey – W-01b
davoiiman – M-06
daψet – W-01b
deiatiteeạ[– M-06
]*gen:*[– M-10
ịḳetayos – W-02
kuryaneyon – W-01c
kφiyanaveyos – M-01b
k↑*ianaveyos* – M-02
lakedokey – W-01b
lavagtaei – M-01a
]*matạṛ*[– W-06
matarkubileya[– W-04
matẹṛ[– M-01c
matera[– M-01d II
materan – W-01a
materey – W-01b, W-01b
mạterey – M-01e
matimeyonna – W-05a
mekastevan[– M-05
memevais – M-01b
midai – M-01a, M-02
midas – M-01d I
modrovanak – M-04
onoman – W-01b
ovevin – W-01b
protiavọ[*s*] – M-02
proitavos – M-01b
pseikeiẹḍạẹs – W-02
]*sạḅạṣ* – M-08
sa[ ]*tatedaes* – W-08
sikeneman – M-01b
si↑etoae – W-09
smateran – M-01d I
tanegertoy – W-01c
tedatoy – W-01a
]*ten:*[– M-10
tiyes – M-04
tolos – M-07
tọtin – M-01f
]*toy* – W-04
tuav[ ]*eniy* – M-01f
tvemes – M-01d I
vanaktei – M-01a
venavtun – W-01b
vi↑*eatevoatoios* – W-10
vrekun – W-01a
[*v*]*ṛekun* – M-06
yosesait – W-01b
yostutut[– W-01a

ΑΙΔΟΜΕΝΟΥ – W-11
ΑΝΔΕΤΟϒ̣Ν̣– W-11
ΑΟΙΝΟΥΝ – W-11
ΒΙΛΑΤΑΔΕΝΑΝ – W-11
ΒΛΑΣΚΟΝ – W-11
ΓΑΜΕΝΟ̣ϒ̣Ν̣– W-11
ΓΛΟΥΡΕΟΣ – W-11
ΕΝ – W-11
ΙΟΣ – W-11
ΚΕ – W-11 (ter)
ΚΗ – W-11
ΚΙΣΥΙΣ – W-11
ΚΙΥΙΝ – W-11
Κ̣Λ̣ΕΥΜΑΧΟΙ – W-11
ΚΟΡΟ – W-11
ΛΑΠΤΑ – W-11
ΛΟ̣ϒ̣Ν̣Ι̣Ο̣ϒ̣ – W-11
ΜΑΚΡΑΝ – W-11
ΜΑΝΚΑ – W-11
ΜΑΤΙ – W-11 (bis)
ΜΑΤΙΝ – W-11
ΜΕΚΑΣ – W-11
ΜΙΡΟΣ – W-11
Μ̣Ο̣[ ]ΚΡΟΣ – W-11
ΜΡΟΤΙΣ – W-11
ΝΕΚΟΙΝΟΥΝ – W-11
ΝΙΚΟΣΤΡΑΤΟ̣Σ̣ – W-11
ΟΜΑΣΤΑ – W-11
ΟΜΝΙΕΙΤ – W-11
ΟΣ̣[ ]Ρ̣Ο̣Σ – W-11
ΟΥΣ – W-11
ΠΑΝΤΗΣ – W-11
ΠΑΡΤΙΑΣ – W-11
ΠΕΝΝΙΤΙ – W-11
ΠΛΑΔΕ – W-11
ΠΟΚΡΑΙΟΥ – W-11
ΠΟΡΚΟΡΟ – W-11
Σ̣Α̣ – W-11
ΣΑΣ – W-11
ΣΟΡΟΙ – W-11
Σ̣Ο̣ϒ̣Ν – W-11
ΤΑΚΡΙΣ – W-11
ΥΙΤΑΝ – W-11

A MICROBIBLIOGRAPHY

Brixhe, C. Le phrygien. *Langues indo-européennes,* 165–178. (Ed. Fr. Bader. Paris: Belles Lettres, 1994.)

Brixhe, C. Corpus des inscriptions paléo-phrygiennes : Supplément I. *Kadmos* 41/2002, 1–102.

Brixhe, C. Corpus des inscriptions paléo-phrygiennes : Supplément II. *Kadmos* 43/2004, 1–130.

Brixhe, C., M. Lejeune. *Corpus des inscriptions paléo-phrygiennes*. Paris: Recherches sur les civilisations, 1984.

Gorbachov, Y. The origin of the Phrygian aorist of the type *edaes*. *Proceedings of the Sixteenth Annual UCLA Indo-European Conference*, *Los Angeles*, November 5–6, 2004, 191–217. (Eds. K. Jones-Blay, M. E. Huld, A. Della Volpe, M. Robbins Dexter. Washington, DC: Institute for the Sudy of Man, 2005.)

Haas, O. *Die phrygischen Sprachdenkmäler*. Sofia: Académie bulgare des sciences, 1966.

Kortlandt, F. Phrygian between Greek and Armenian. *Linguistique balkanique* 55, II/2016, 249–255.

Lejeune, M. Discussions sur l'alphabet phrygien. *Studi micenei ed egeo-anatolici* 10/1969, 19–47.

Ligorio, Orsat. Old Phrygian *totin*. *Lucida intervalla* 45/2016, 33–39.

Ligorio, O., A. Lubotsky. Phrygian. *Handbook of Comparative and Historical Indo-European Linguistics* 3/2018, 1816–1831. (Eds. J. Klein, B. Joseph, M. Fritz. Berlin—Boston: De Gruyter Mouton.) (Originally published as Лубоцкий, А., О. Лигорио. Фригийский язык. *Языки мира* : *Реликтовые индоевропейские языки Передней и Центральной Азии* 180–195 (Москва: Academia, 2013.).)

Lubotsky, A. The Old Phrygian *Areyastis*-inscription. *Kadmos* 27/1988, 9–26.

Lubotsky, A. The Phrygian Zeus and the problem of the *Lautverschiebung*. *Historische Sprachforschung* 117/2004, 229–237.

Lubotsky, A. The Phrygian inscription from Dokimeion and its meter. *Festschrift für José Luis García Ramón zum 65. Geburtstag*, 427–433. (Heausg. von Ivo Hajnal, Daniel Kölligan, Katharina Zipser. Innsbruck: Innsbrucker Beiträge zur Sprachwissenschaft, 2017.)

Neumann, G. *Phrygisch und Griechisch*. Wien: Verlag der Österreichischen Akademie der Wissenschaften, 1988.

Obrador-Cursach, B. Phrygian *mekas* and the recently discovered New Phrygian inscription from Nacoleia. *Indogermanische Forschungen* 121, I/2016, 177–186.

Orel, V. E. *The language of Phrygians* : Desription and Analysis. Delmar – New York: Caravan Book, 1997.

Šorgo, A. *Early Contact Between Phrygian and Greek*. *ICAGL*, Conference Handout. (Helsinski, 2018.)

Vine, B. Old Phrygian *iman*. *Ex Anatolia Lux* : *Anatolian and Indo-European Studies in Honor of H. Craig Melchert,* 343–355. (Eds. R. Kim, N. Oettinger, E. Rieken, M. Weiss. Ann Arbor – New York: Beech Stave, 2010.)