

Václav Blažek
Masaryk University of Brno

Omotic numerals

Dedicated to the memory of Andrzej Zaborski (1942–2014)

Abstract

More than 30 years ago Andrzej Zaborski (1983; 1987 {1983}) collected and analyzed all Cushitic and Omotic numerals, which were described in his time, and tried to analyze their internal structure. His two pioneering studies stimulated the present attempt to collect all available relevant data about Omotic numerals and to analyze them in both genetic (Afroasiatic) and areal (Cushitic, Ethio-Semitic and Nilo-Saharan) perspectives, all at the contemporary level of our knowledge. With respect to the long mutual interference between various groups of Cushitic and Omotic languages, it is necessary to study the numerals in both the language families together. The presented material is organized in agreement with the genetic classification of these languages. On the basis of concrete forms in individual languages the protoforms in partial groups are reconstructed, if it is possible, and these partial protoforms of numerals in the daughter protolanguages are finally compared to determine the inherited forms. The common cognates are finally compared with parallels in other Afroasiatic branches, if exist, or with counterparts in Ethio-Semitic or Nilo-Saharan languages, if they could be borrowed from or adapted into the Cushitic or Omotic languages.

Keywords

Cushitic, Omotic, Ethio-Semitic, Afroasiatic, Nilo-Saharan, etymology, borrowing.

I. North Omotic

1. Dizoid

	1	2	3	4	5	6	7	8	9	10
Dizi	<i>k'o:j / k'òy</i>	<i>t'à:gṽ / tà:gn</i>	<i>kà:dū / kàdú</i>	<i>k'ùbm̃ / kùbm̃</i>	<i>útfū / úxcú</i>	<i>jākū / yākú</i>	<i>tù:sū / tù:sú</i>	<i>ze:d / zyéd</i>	<i>sāgṽ / sàgɪl</i>	<i>tāmū / támú</i>
Nayi	<i>jɪsɿ</i>	<i>t'a:gṽ</i>	<i>kādú</i>	<i>kubṛṇ</i>	<i>útf:ú</i>	<i>jākù</i>	<i>tu:su</i>	<i>ziét</i>	<i>ságṇ</i>	<i>támmù</i>
Sheko	<i>k'òy</i>	<i>t'aagṇ</i>	<i>kàdu</i>	<i>kúbṇ</i>	<i>útfú</i>	<i>yakù</i>	<i>tubsu</i>	<i>zeed</i>	<i>sagṇ</i>	<i>təbi</i>

	20	30	40	50	60	70	80	90	100	1000
Dizi	<i>t'à:gṽ / támū</i>	<i>kà:dū / támū</i>	<i>k'ùbm̃ / támū</i>	<i>útfū / támū</i>	<i>jākū / támū</i>	<i>tù:sū / támū</i>	<i>ze:d / támū</i>	<i>sāgṽ / támū</i>	<i>mātū / k'o:j (mātu < Amh.)</i>	<i>fɪ k'o:j (fɪ < Amh.)</i>
Nayi	<i>t'à tám</i>	<i>ka tám</i>	<i>kubṛṇ tám</i>	<i>útf tám</i>	<i>jāku tám</i>	<i>tu:sn tám</i>	<i>zéd tám</i>	<i>ságṇ tám</i>	<i>bállá</i>	<i>wuma</i>
Sheko	<i>t'aagṇ / tamú</i>	<i>kàdu / tamú</i>	<i>kúbṇ / tamú</i>	<i>útfú / tamú</i>	<i>yakù / tamú</i>	<i>tubsu / tamú</i>	<i>zeed / tamú</i>	<i>sagṇ / tamú</i>	<i>k'oy / bara / tiba k'oy</i>	<i>k'oy fɪ (fɪ < Amh.)</i>

2. Yemsa

	1	2	3	4	5	6	7	8	9	10
	<i>ʔɪs:ɔ:n¹¹ / ʔɪsa¹¹</i>	<i>hɛp^{hl} / ʔɛp^{hl}</i>	<i>'kʰe:z²</i>	<i>ʔa¹¹ʔjɛ:ʔj⁸</i>	<i>'ʔo:ʔj⁸</i>	<i>ʔɪ¹'si:ɔn¹</i>	<i>'na:¹fon¹</i>	<i>'naŋ²ri:n¹</i>	<i>'ʔɪz¹gɪn¹</i>	<i>ʔa¹sɪr¹</i>

	20	30	40	50	60	70	80	90	100	1000
	<i>hɛp^{hl}, a¹sɪr¹</i>	<i>'kʰe:z², a¹sɪr¹</i>	<i>ʔa¹¹ʔjɛ:ʔj⁸, a¹sɪr¹</i>	<i>'ʔo:ʔj⁸, a¹sɪr¹</i>	<i>ʔɪ¹'si:ɔn¹, a¹sɪr¹</i>	<i>'na:¹fon¹, a¹sɪr¹</i>	<i>'naŋ²ri:n¹, a¹sɪr¹</i>	<i>'ʔɪz¹gɪn¹, a¹sɪr¹</i>	<i>ʔɪ¹sa¹, tʰɪ¹ja¹</i>	<i>ʔɪ¹sa¹, kʰo²ma²</i>

3. Gimira

	1	2	3	4	5	6	7	8	9	10
Bench	<i>mat¹³</i>	<i>nam⁴</i>	<i>kaz⁴</i>	<i>od⁴</i>	<i>uɟ²</i>	<i>sa²pm³</i>	<i>na²pm³</i>	<i>nʷar²tn³</i>	<i>irs²tn³</i>	<i>tam⁵</i>
She	<i>mātā</i>	<i>nām</i>	<i>kāz</i>	<i>od</i>	<i>uç</i>	<i>sāpm̃</i>	<i>nāpm̃</i>	<i>nyārtñ</i>	<i>yrstñ</i>	<i>tām</i>

	20	30	40	50	60	70	80	90	100	1000
Bench	<i>nam³tam²</i>	<i>kaz³tam²</i>	<i>od³tam²</i>	<i>uŋ³n³tam²</i>	<i>sa⁵pm³tam²</i>	<i>na⁵pm³tam²</i>	<i>n⁵ar⁵tn³tam²</i>	<i>irs⁵tn³tam²</i>	<i>bal²⁻³</i>	<i>nam⁴ wum²⁻³</i>
She	<i>nām-tām</i>	<i>kas-ŕ^m</i>	<i>ot-tām</i>	<i>učen-tām</i>	<i>sāpm-tām</i>	<i>nāpm-tām</i>	<i>nyārtn-tām</i>	<i>yrstn-tām</i>	<i>bāllō</i>	<i>tam bal</i>

4. Omoto

	1	2	3	4	5	6	7	8	9	10
Chara	<i>ɿissa</i>	<i>nanta</i>	<i>ke:za</i>	<i>obda</i>	<i>učča</i>	<i>sapma</i>	<i>lapma</i>	<i>nandirsa</i>	<i>bīza</i>	<i>tansá</i>
Dorze	<i>ɿissino ~ ista</i>	<i>nam(?)á</i>	<i>heezá ~ heedzi</i>	<i>ɿoidá</i>	<i>ɿitɿáɿa ~ ɿitɿátɿa</i>	<i>ɿusúpun ~ ɿusúɸun</i>	<i>láppun ~ láɸun</i>	<i>hóspun ~ hósɸun</i>	<i>ɿudúfun ~ ɿudúɸun</i>	<i>tám(m)i</i>
Zala	<i>ista</i>	<i>na'ā</i>	<i>hezzā</i>	<i>oiddā</i>	<i>iččāšā</i>	<i>usuffunā</i>	<i>lāffunā</i>	<i>hosfunā</i>	<i>udduffunā</i>	<i>tāmmā</i>
Gofa	<i>ɿistá</i>	<i>nam?á</i>	<i>heedzdzá</i>	<i>ɿoiddá</i>	<i>ɿitɿɿáɿa</i>	<i>ɿusúppuna</i>	<i>laáppuna</i>	<i>hóspuna</i>	<i>ɿuddúfuna</i>	<i>támma</i>
Malo	<i>ista</i>	<i>nam?a</i>	<i>hedza</i>	<i>oydda</i>	<i>ičeša</i>	<i>usúpuna</i>	<i>lápuna</i>	<i>hospuna</i>	<i>uddupuna</i>	<i>tamma</i>
Dache	<i>ɿissino / ɿistá</i>	<i>nam?á</i>	<i>heedzdzá</i>	<i>ɿoiddá</i>	<i>ɿitɿɿáɿa</i>	<i>ɿusúppuna</i>	<i>laáppuna</i>	<i>hóspuna</i>	<i>ɿuddúfuna</i>	<i>támma</i>
Gamo	<i>ɿissio (ɿista)</i>	<i>nam?a</i>	<i>heedzda</i>	<i>ɿojdda</i>	<i>ɿitɿɿáɿa</i>	<i>ɿuspuna</i>	<i>laappuna</i>	<i>hospuna</i>	<i>ɿuddupuna</i>	<i>tamma</i>
Wolaitta ₁	<i>ɿistá</i>	<i>naa?á</i>	<i>heezá</i>	<i>ɿoiddá</i>	<i>ɿitɿáɿa</i>	<i>ɿusúppuna</i>	<i>laáppuna</i>	<i>hóspuna</i>	<i>ɿuddúfuna</i>	<i>támma</i>
Wolaitta ₂	<i>ɿistá / ɿisiino</i>	<i>naa?á</i>	<i>heezá</i>	<i>ɿoidsá</i>	<i>ɿiččāša</i>	<i>ɿusúppuna</i>	<i>laáppuna</i>	<i>hóspuna</i>	<i>ɿuddúfuna</i>	<i>támma</i>
Kullo	<i>eso</i>	<i>naha</i>	<i>esa</i>	<i>oīda</i>	<i>ičaša</i>	<i>ussupuno</i>	<i>lapuna</i>	<i>uspuna</i>	<i>udupuna</i>	<i>tama</i>
Ganjule ₁	<i>bizzó</i>	<i>nammɿu</i>	<i>háyyzɿ</i>	<i>ɿóyddu</i>	<i>ɿɿɿɿɿɿɿ</i>	<i>ɿizzɿ(u)pu</i>	<i>láppu</i>	<i>lánkufɿe</i>	<i>tánsinde</i>	<i>támmu</i>
Ganjule ₂	<i>bizu</i>	<i>lam?</i>	<i>haydz</i>	<i>oydu</i>	<i>išič</i>	<i>izúp</i>	<i>lap'ɿ</i>	<i>lanɿkúč</i>	<i>tantsinde</i>	<i>tam</i>
Gats'ama	<i>bizé</i>	<i>ná:mɿo</i>	<i>há:yzi</i>	<i>ɿó:idu</i>	<i>ɿišɿž</i>	<i>ɿəzú</i>	<i>láp</i>	<i>lanɿkúč</i>	<i>tansint</i>	<i>támu</i>
Zargulla	<i>bizzó</i>	<i>nám?a</i>	<i>háidts</i>	<i>ɿoidd</i>	<i>ɿišičč</i>	<i>ɿizíp</i>	<i>laáp</i>	<i>lakkúče</i>	<i>tansine</i>	<i>támm</i>
Koorere	<i>'bɿdz:ò</i>	<i>'lám?è</i>	<i>'há'dzè</i>	<i>'ɿɿ'd:è</i>	<i>'ɿ'ɿɿɿɿe</i>	<i>'ɿ'z:úɸè</i>	<i>'lá:pè</i>	<i>hà'z:úp:è</i>	<i>ɿò'd:úp:è</i>	<i>'tʰám:è</i>
Zayse	<i>bizzō</i>	<i>nam</i>	<i>hayts</i>	<i>oyt</i>	<i>išič</i>	<i>izup</i>	<i>lāp</i>	<i>lakuč</i>	<i>tsingō</i>	<i>tām</i>
Basketo	<i>péttán pétti^{modif.}</i>	<i>námɿi</i>	<i>háizzí</i>	<i>òiddí</i>	<i>iffín</i>	<i>lèhí</i>	<i>tàbzá</i>	<i>lámákáhi / lámákáki</i>	<i>sàakàli / sàakilí</i>	<i>tábba</i>
Doko	<i>petteni</i>	<i>nam?i</i>	<i>haydzi</i>	<i>oyddi</i>	<i>iššini</i>	<i>lihi</i>	<i>tabzá</i>	<i>lamakay</i>	<i>sa-kali</i>	<i>taaba</i>
Dollo	<i>péttán</i>	<i>nām</i>	<i>ayz</i>	<i>oyd</i>	<i>ěššén</i>	<i>leh</i>	<i>tābezā</i>	<i>lāmākāy</i>	<i>sākāl</i>	<i>tā'ba</i>
Oyda	<i>fétó</i>	<i>lam?i</i>	<i>háiddzi</i>	<i>ɿoiddí</i>	<i>ɿiccin</i>	<i>ɿizíppun</i>	<i>láappun</i>	<i>ɿóspun</i>	<i>ɿiddífun</i>	<i>tábbo</i>
Male	<i>pétte</i>	<i>lam?o</i>	<i>haitsó</i>	<i>ɿoidó</i>	<i>dóngo</i>	<i>láhhó</i>	<i>lánkayi</i>	<i>sállí</i>	<i>tásuba</i>	<i>tábbo</i>

	20	30	40	50	60	70	80	90	100	1000
Chara	<i>nantansá</i>	<i>ke:ztansá</i>	<i>obda tansá</i>	<i>učča tansá</i>	<i>sapma tansá</i>	<i>lapma tansá</i>	<i>nandirsa tansá</i>	<i>biža tansá</i>	<i>s'e:ta</i>	<i>ʔissa šaʔa</i>
Dorze	<i>nám(?)i tam(m)i ~ laátamma</i>	<i>heézi tam(m)i</i>	<i>ʔoidi tam(m)i</i>	<i>ʔiʃtʃátʃi tam(m)i</i>	<i>ʔusúpún tam(m)i</i>	<i>lápún tam(m)i</i>	<i>hóspun tam(m)i</i>	<i>ʔuddúpún tam(m)i</i>	<i>(ʔissi) ts'eete</i>	<i>ʔissi ʃije < Amh.</i>
Gofa	<i>namʔu tamma / laátamma</i>	<i>heédzdzú tamma / hástama</i>	<i>ʔoiddú tamma / ʔoitama</i>	<i>ʔiʃtʃátʃú tamma / ʔiʃátama</i>	<i>ʔusúppún tamma</i>	<i>laáppún tamma</i>	<i>hóspun tamma</i>	<i>ʔuddúpún tamma</i>	<i>ts'eéta</i>	<i>mukúla / (ʃáʔa) ʃiʔa < Amh.</i>
Malo	<i>lá-táma</i>	<i>hastama</i>	<i>oytáma</i>	<i>išetama</i>					<i>s'e:ta</i>	
Dache	<i>namʔu tamma</i>	<i>heédzdzú tamma</i>	<i>ʔoiddú tamma</i>	<i>ʔiʃtʃátʃú tamma</i>	<i>ʔusúppún tamma</i>	<i>laáppún tamma</i>	<i>hóspun tamma</i>	<i>ʔuddúpún tamma</i>	<i>(ʔissi) ts'eéta</i>	<i>ʔissi ʃiʔa < Amh.</i>
Gamo	<i>namʔu tamma (laatamma)</i>	<i>heedzdzú tamma</i>	<i>ʔojddu tamma</i>	<i>ʔiʃtʃátʃu tamma</i>	<i>ʔispun tamma</i>	<i>laappun tamma</i>	<i>hospun tamma</i>	<i>ʔuddupun tamma</i>	<i>namʔa s'eeta</i>	<i>ʔissi ʃiʔa < Amh.</i>
Wolaiitta ₁	<i>laátama / naáʔʔú tamma</i>	<i>hástama / heézzú tamma</i>	<i>ʔoitama / ʔoiddú tamma</i>	<i>ifátama / ʔiʃtʃátʃú tamma</i>	<i>ʔusúppún tamma</i>	<i>laáppún tamma</i>	<i>hóspun tamma</i>	<i>ʔuddúpún tamma</i>	<i>(ʔissi) t'eéta</i>	<i>(ʔissi) ʃáʔa < Amh.</i>
Wolaiitta ₂	<i>laátama</i>	<i>hástama</i>	<i>ʔoitama</i>	<i>iččátama</i>	<i>ʔusúppun tamma</i>	<i>laápun tamma</i>	<i>hóspun tamma</i>	<i>ʔuddupun tamma</i>	<i>t'eéta</i>	<i>čáʔa < Amh.</i>
Kullo	<i>latama</i>	<i>as-tama</i>	<i>oi-tama</i>	<i>iča-tama</i>	<i>ussupun-tama</i>	<i>lapun-tama</i>	<i>ospun-tama</i>	<i>udupun-tama</i>	<i>teta</i>	<i>šaša</i>
Ganjule ₁	<i>námmʔu támmu</i>	<i>háyzzi támmu</i>	<i>ʔóyddu támmu</i>	<i>ʔiʃtʃiʃtʃi támmu</i>	<i>ʔizzi(u)pu támmu</i>	<i>láppu támmu</i>	<i>lánkutʃife támmu</i>	<i>tánsinde támmu</i>	<i>s'eét</i>	<i>ʃi < Amh.</i>
Ganjule ₂	<i>lamʔu tam</i>	<i>haydzi tam</i>	<i>oydi tam</i>	<i>išittam</i>	<i>izup tam</i>	<i>lap^h tam</i>	<i>laykuče tam</i>	<i>tantsinde tam</i>	<i>ts'e-ti</i>	<i>bizi ts'its'</i>
Zargulla	<i>namʔú támm</i>	<i>haidtsú támm</i>	<i>ʔoidd támm</i>	<i>ʔišičč támm</i>	<i>ʔizíp támm</i>	<i>laáp támm</i>	<i>lakkúče támm</i>	<i>tansine támm</i>	<i>s'eét</i>	<i>šiya < Amh.</i>
Koorete	<i>lám 'tʰám:è</i>	<i>há'dzi-'tʰám:è</i>	<i>ʔʕ'di-'tʰám:è</i>	<i>ʔi'tʃitʃi-'tʰám:è</i>	<i>ʔi'z:úφ-'tʰám:è / ʔi'z:úpp-'tʰám:è</i>	<i>lá:p-'tʰám:è</i>	<i>há'z:úφ-'tʰám:è</i>	<i>ʔʕ'd:úφ-'tʰám:è</i>	<i>'ts'i:tsè</i>	<i>('bíd-) 'kúma < Or. / (bíd-) ʃiʔe < Amh.</i>
Zayse	<i>lamtam</i>	<i>haystam</i>	<i>oyttam</i>	<i>iččaštam</i>	<i>izuptām</i>	<i>lāptam</i>	<i>lakkučtam</i>	<i>tsingtam</i>	<i>tsietā</i>	

	20	30	40	50	60	70	80	90	100	1000
Basketo	<i>lāmtám</i>	<i>hàizzi tábbá</i>	<i>òiddi tábbá</i>	<i>ijjin tábbá</i>	<i>lèhi tábbá</i>	<i>tàbzá tábbá</i>	<i>lāmáhái tábbá</i>	<i>sàakáli tábbá</i>	<i>ts'èetà / gábbà</i>	<i>múkilà / múkùlà</i>
Doko	<i>lam tam</i>	<i>aydzi tabba</i>							<i>ts'e-ta</i>	
Dollo	<i>lām-dāmmo</i>	<i>lām-tām tā'bo</i> (2x10) +10	<i>lāmi gābā</i> 2x20	<i>lāmi gābā tā'bā</i>	<i>oydi gābo</i> 40+20	<i>òšonās gābā</i> 50+20	<i>lēhē-sa gābā</i> 60+20	<i>tabezā-zā gab'ā</i> 70+20	<i>lāmākā-sā gab'ā</i> 80+20	
Oyda	<i>lam? tám</i>	<i>haas tám</i>	<i>ḡoidd tám,</i> <i>ḡoittám</i>	<i>ḡiccin tam</i>	<i>ḡizippun tam</i>	<i>láappun tam</i>	<i>ḡóspun tam</i>	<i>ḡiddifun tam</i>	<i>(fétti) ts'eet</i>	<i>míkul</i>
Male	<i>lamá-támmi</i>	<i>haytsi-támmi</i>	<i>ḡoidi-támmi</i>	<i>dóngi-támmi</i>	<i>láhhi-támmi</i>	<i>lánkayi-támmi</i>	<i>sállitámmi</i>	<i>tásubi-támmi</i>	<i>s'ééta</i>	<i>fíya < Amh. fih</i>

5. Gonga

	1	2	3	4	5	6	7	8	9	10
Anfillo	<i>ikkó</i>	<i>guttó</i>	<i>kedzó</i>	<i>auddó</i>	<i>amittó</i>	<i>firtó</i>	<i>fabattó</i>	<i>fimittó</i>	<i>yiringó</i>	<i>afiró</i>
B(w)oro ₁	<i>ikka</i>	<i>gittá</i>	<i>ke:zá</i>	<i>áwddá</i>	<i>u.sá</i>	<i>šerita</i>	<i>šawáta</i>	<i>šimita</i>	<i>j'ye:riyá</i>	<i>tása</i>
B(w)oro ₂	<i>ikkà</i>	<i>gittà</i>	<i>keezá</i>	<i>áwddà</i>	<i>uttsá</i>	<i>širr^atà</i>	<i>šawaatà</i>	<i>šəmmatà</i>	<i>jeediya</i>	<i>tattsá</i>
B(w)oro ₃	<i>ikka</i>	<i>gitta</i>	<i>kéga</i>	<i>áuda</i>	<i>húča</i>	<i>širta</i>	<i>sābata</i>	<i>seminta</i>	<i>géta</i>	<i>táča</i>
Kafa	<i>ḡikkóó</i>	<i>güttóó</i>	<i>kèémó</i>	<i>áwüddó</i>	<i>ḡüüttóó</i>	<i>fírittóó</i>	<i>šábàattoó</i>	<i>fímittóó</i>	<i>jìt'ijóó</i>	<i>ààfiróó</i>
Shekkacho	<i>ikka</i>	<i>guttaa</i>	<i>keejjaa</i>	<i>awuddaa</i>	<i>uuččaa</i>	<i>širittaa</i>	<i>šabaattaa</i>	<i>šimittaa</i>	<i>yit'iyaa</i>	<i>aširaa</i>

	20	30	40	50	60	70	80	90	100	1000
Anfillo	<i>hiyó / hi?ó</i>	<i>šafó</i>	<i>aribó</i>	<i>amifó</i>	<i>fírfó</i>	<i>fabó</i>	<i>fínnó</i>	<i>yiríó</i>	<i>(ikke-) balló</i>	<i>humó</i>
B(w)oro ₁	<i>hi:yá</i>	<i>ša:šá</i>	<i>habá</i>	<i>ballé kása</i>	<i>ša táma</i>	<i>torba táma</i>	<i>sade:t táma</i>	<i>ságal táma</i>	<i>balla</i>	<i>kúma</i>
B(w)oro ₂	<i>hiyyá</i>	<i>šaašà</i>	<i>habbá</i>	<i>baal-k'ats^a = half-100</i>	<i>bel-k'ats^a-tatts^e</i>	<i>bel-k'ats^a-hiyy^e</i>	<i>bel-k'ats^a-šaaš^e</i>	<i>bel-k'ats^a-habb^a</i>	<i>baallà</i>	<i>(ikkò-) kumá</i>
B(w)oro ₃	<i>héwo</i>	<i>sáāso</i>	<i>habbo</i>	<i>ballikáčo</i>	<i>síso</i>	<i>sābbo</i>	<i>šimno</i>	<i>zítana</i>	<i>bállo</i>	<i>šío</i>
Kafa	<i>hijóó</i>	<i>šààfóó</i>	<i>ààbbòó</i>	<i>ààttfóó</i>	<i>fíttfóó</i>	<i>šàbòó</i>	<i>fínnòó</i>	<i>jìt'ènoó</i>	<i>bállò</i>	<i>hùmo</i>
Shekkacho	<i>hiyaa</i>	<i>šaašaa</i>	<i>aabbaa</i>	<i>aččaa</i>	<i>šiččaa</i>	<i>šabaa</i>	<i>šinnaa</i>	<i>yit'ana</i>	<i>ballo</i>	<i>umoo</i>

6. Mao

	1	2	3	4	5	6	7	8	9	10
Bambassi	<i>hiški</i>	<i>numbo</i>	<i>teezè</i>	<i>meše</i>	<i>kwíssí</i>	<i>kyaansè</i>	<i>kúlumbò</i>	<i>kúteezé</i>	<i>kúsméše</i>	<i>kiúúsú</i>
Ganza	<i>ʔiškúwéén</i>	<i>mámbug?</i>	<i>tíizí?</i>	<i>máşşı?</i>	<i>kwíssí?</i>	<i>ʔiškípín</i>	<i>mámpín</i>	<i>wóp'ò</i>	<i>şélé?</i>	<i>kónsóbaà?</i>
Hozo ₁ Bender / Wedekind	<i>on:a / onna</i>	<i>dombo / dombo</i>	<i>sia:si / siyazi</i>	<i>betsi: / betši</i>	<i>kʷitsí / kwitsi</i>	<i>keni: / ota-onna</i>	<i>ʔɔ:ta / ota- dombo</i>	<i>ʔɔ:tá / ota-siyazi</i>	<i>ʔɔ:ti / ota-be:tsi</i>	<i>pó:ši / po:ši</i>
Hozo ₂	<i>ʔónnà</i>	<i>dòmbó</i>	<i>sijázi</i>	<i>bétši</i>	<i>kwítši</i>	<i>kwítši ʔóttá ʔónnà</i>	<i>kwítši ʔóttá dòmbó</i>	<i>kwítši ʔóttá sijázi</i>	<i>kwítši ʔóttá bétši</i>	<i>póši</i>
Seze ₁ Bender / Wedekind	<i>išile / išile</i>	<i>nòmbé / no:mbe</i>	<i>si:zi / si:ze</i>	<i>běšé / beṣe</i>	<i>kúsé / kússe</i>	<i>dʒa:j / ot-šile</i>	<i>ʔɔ:t nòmbé / ot-nombe</i>	<i>ʔɔ:t si:zi / ota-si:ze</i>	<i>ʔɔ:t bè:ṣé / ota-be:ṣe</i>	<i>kó:sè / ku:se; cf. kuse hand</i>
Seze ₂	<i>ʔišilè</i>	<i>nòmbé</i>	<i>siüzé</i>	<i>beṣṣé</i>	<i>kwíssé</i>	<i>kwíssé ʔòòt ʔišilè</i>	<i>kwíssé ʔòòt nòmbé</i>	<i>kwíssé ʔòòt siüzé</i>	<i>kwíssé ʔòòt beṣṣé</i>	<i>kiúúsé cf. kuse hand</i>

	20	30	40	50	60	70	80	90	100	1000
Bam- bassi	<i>numbo kuuse / eskele person- body</i>	<i>teezè kuuse</i>	<i>meše kuuse</i>	<i>kwíssí kuuse</i>	<i>kyaansè kuuse</i>	<i>kúlumbò kuuse</i>	<i>kúreezé kuuse</i>	<i>kúsméše kuuse</i>	<i>kiúúsé kuuse</i>	<i>hiški kuusan kiúúsé kuusan</i>
Ganza	<i>ʔiś(k) ʔasi kéwò</i>	<i>ʔiś(k) ʔasi kéwò gāśi kónsóbaà?</i>	<i>mám ʔasi kéwò?</i>	<i>mám ʔasi kéwò gāśi kónsóbaà?</i>	<i>tíiz ʔasi kéwò?</i>	<i>tíiz ʔasi kéwò gāśi kónsóbaà?</i>	<i>beṣṣé màà kwèèj</i>	<i>máşş ʔasi kéwò gāśi kónsóbaà?</i>	<i>kwíss ʔasi kéwò?</i>	
Hozo ₁ Wed.	<i>onna-mo- kwe</i>	<i>onna-mo- kwe-eb- poši</i>	<i>dombo mo-kwe</i>						<i>kwitsi- mo-kwe</i>	
Hozo ₂	<i>móʔónnà- ké (ké = body)</i>	<i>móʔónnà- ké ʔóttá póši</i>	<i>módòmbó- ké</i>	<i>módòmbó- ké ʔóttá póši</i>	<i>mósijázi- ké</i>	<i>mósijázi- ké ʔóttá póši</i>	<i>móbétši- ké</i>	<i>móbétši- ké ʔóttá póši</i>	<i>mókwítši- ké</i>	<i>ʔónnà ʔúwwá sijázi</i>
Seze ₁ Wed.	<i>išil-ma- kwe</i>	<i>išil-ma- kwe-ne- ku:sene</i>	<i>nombe- ma-kwe</i>						<i>kússe- ma-kwe</i>	
Seze ₂	<i>ʔišil màà kwèèj</i>	<i>ʔišil màà kwèèné</i>	<i>nòmbé màà kwèèj</i>	<i>nòmbé màà kwèèné</i>	<i>siüzé màà kwèèj</i>	<i>siüzé màà kwèèné</i>	<i>beṣṣé màà kwèèj</i>	<i>beṣṣé màà kwèèné</i>	<i>kwíssé màà kwèèj</i>	

Cf. Koman numerals (Nilo-Saharan)

language	1	2	3	4	5	6	7	8	9	10
Kwama	<i>sóndò / sé:né / sé:şkin</i>	<i>sùjá</i>	<i>twásèn</i>	<i>bé:şin</i>	<i>kú:mùt</i>	<i>kúbà- sè:n = takes 1</i>	<i>kúbà- sùjá= takes 2</i>	<i>kúbà- twásèn = takes 3</i>	<i>kúb- bé:şin = takes 4</i>	<i>kú:zí = fingers</i>
Opuuo	<i>difede</i>	<i>fuka / cuka</i>	<i>tufu / tusu</i>	<i>hwan / ɲwan</i>	<i>muta:- kwei = hand</i>	<i>kane-dé</i>	<i>kane-fuka</i>	<i>kane-tūfū</i>	<i>kane- hwān</i>	<i>muta- kweya- fuka-yen</i>
Komo ₁	<i>dē</i>	<i>so</i>	<i>dif</i>	<i>dɔgɔn</i>	<i>büş</i>	<i>káná gı dē</i>	<i>káná á so</i>	<i>káná á dif</i>	<i>káná á dɔgɔn</i>	<i>kɔʃ kɔlɔ = kill hand(s)</i>
Komo ₂	<i>dé?</i>	<i>so?</i>	<i>difin</i>	<i>dɔɣɔn</i>	<i>büs'in</i>	<i>kà:nagĩdē</i>	<i>kà:nàsɔ?</i>	<i>kà:nàdif</i>	<i>kà:ndɔgɔn</i>	<i>kɔʃkɔlɔ</i>
Twampa = Uduk	<i>dē?</i>	<i>sú?</i>	<i>kʷārā</i>	<i>dòŋ(g)òn</i>	<i>múǵèd</i>	<i>múǵèd pé dē?</i>	<i>múǵèd pé sú?</i>	<i>múǵèd pé(ŋ) kʷārā</i>	<i>múǵèd pé dòŋ(g)òn</i>	<i>kímèd</i>

II. South Omotic = Aroid

language	1	2	3	4	5	6	7	8	9	10
Ari	<i>wól:áq</i>	<i>qast:én</i>	<i>mak:én</i>	<i>ʔoyd:i</i>	<i>dónq:</i>	<i>lá:</i>	<i>tabzá</i>	<i>qast:a'n- tám:ers</i>	<i>wolqá:n- tám:ers</i>	<i>tám:á</i>
Galila	<i>walqa / walaka</i>	<i>qastan / kaskan</i>	<i>makkan</i>	<i>oyddi</i>	<i>doŋk</i>	<i>la·</i>	<i>tabza</i>	<i>lamakay</i>	<i>ša-kıla</i>	<i>tamma</i>
Ubamer	<i>wallaqa</i>	<i>qasten / ʔasten</i>	<i>makkan</i>	<i>oyddi</i>	<i>doŋk / doŋq</i>	<i>la·</i>	<i>tabza</i>	<i>qasten tamars</i>	<i>walqan tamars</i>	<i>tamma</i>
Bakko	<i>ellagà</i>	<i>astèn</i>	<i>makken</i>	<i>oidi</i>	<i>donkh</i>	<i>là</i>	<i>tabza</i>	<i>kastàtamez</i>	<i>alkàtamez</i>	<i>tommà</i>
Dime ₁	<i>'wəkʰal</i>	<i>'kɛt'im</i>	<i>'makʰim</i>	<i>ʔod:ɔ</i>	<i>'šən:ə</i>	<i>lah(ə)</i>	<i>'tʰos:om</i>	<i>'kɛšnaš</i>	<i>'waklaš</i>	<i>'tʰam:e</i>
Dime ₂	<i>wókkil</i>	<i>qəstin</i>	<i>məkkim</i>	<i>ʔúddú</i>	<i>šinni</i>	<i>láxi</i>	<i>tússum</i>	<i>qəšnášiš</i>	<i>wóklášiš</i>	<i>təmme</i>
Hamar	<i>kála</i>	<i>lamá</i>	<i>makkán</i>	<i>oidí</i>	<i>dung</i>	<i>lax</i>	<i>toḅbá</i>	<i>lankái</i>	<i>sal</i>	<i>táḅi</i>
Hamar- Banna	<i>kɛɛ</i>	<i>lema:</i>	<i>makan</i>	<i>ʔoʷidi / ʔuʷidi</i>	<i>duŋ</i>	<i>lɛx</i>	<i>ɛɛḅa / toḅa</i>	<i>lɛŋkaʲ</i>	<i>səl</i>	<i>təḅi</i>
Amare Coche	<i>kalo</i>	<i>lama</i>	<i>makan</i>	<i>oidi</i>	<i>don</i>	<i>läh</i>	<i>tobba</i>	<i>lankai</i>	<i>sal</i>	<i>teppi</i>
Karo	<i>kallà</i>	<i>lammà</i>	<i>makàmm</i>	<i>oydi</i>	<i>dònn</i>	<i>lhā</i>	<i>tsòbà</i>	<i>lonkài</i>	<i>sall</i>	<i>tabi</i>

language	20	30	40	50	60	70	80	90	100	1000
Ari	<i>bondá</i> = full person / ʔé-wól:áq- -bab ʔits person-1 father-eat	<i>bondéke</i> <i>tám:á</i> / ʔé- wól:áq- bab ʔitske <i>tám:á</i>	ʔé- qast:én- ba:b ʔits	ʔé- qast:én- ba:b ʔitske	ʔé- mak:én- ba:b ʔits	ʔé-mak:én- ba:b ʔitske	ʔé-ʔoyd:i- ba:b ʔits	ʔé-ʔoyd:i- ba:b ʔitske	ʔé- dónq:- ba:b ʔits person-5 father- eat / <i>máto</i> < Amh.	<i>wól:áq</i> <i>/jii</i> < Amh.
Galila	<i>bónda</i>	<i>bonda ke</i> <i>tammak</i>	<i>ʃasken</i> <i>ba bond</i>	<i>ʃasken</i> <i>ba</i> <i>bond</i> <i>ke af</i> <i>tammak</i>	<i>makkan</i> <i>ba bond</i>	<i>makkan</i> <i>ba bond</i> <i>ke afi</i> <i>tamma</i>	<i>oyddi ba</i> <i>bond</i>	<i>oyddi ba</i> <i>bond ke</i> <i>af tamma</i>	<i>donka</i> <i>ba bond</i> / <i>donka</i> <i>la bunde</i>	
Ubamer	<i>bonda</i>	<i>bónda ka</i> <i>támma ke</i>	<i>eʃastén</i> <i>ba bónd</i>						<i>meto</i> < Amh.	
Bakko									<i>doneh-</i> <i>babik</i>	
Dime ₁	<i>'wajdo</i>	<i>tʰamti</i> <i>'maʔim</i>	<i>tʰamt</i> <i>ʔod:ɔ</i>	<i>tʰamta</i> <i>ʃən:ə</i>	<i>tʰamta</i> <i>'lah</i>	<i>tʰamta</i> <i>'tʰos:om</i>	<i>tʰamte</i> <i>'ʃaʃnaʃ</i>	<i>tʰamta</i> <i>'waklaʃ</i>	<i>'te ʔtʰ</i>	
Dime ₂	<i>woidu</i>	<i>təm̩ti</i> <i>məkkim</i>	<i>təm̩ti</i> <i>ʔúddú</i>	<i>təm̩ti</i> <i>ʃinní</i>	<i>təm̩ti</i> <i>láxi</i>	<i>təm̩ti</i> <i>tússum</i>	<i>təm̩ti</i> <i>ʃaʃnáʃiʃ</i>	<i>təm̩ti</i> <i>wókláʃiʃ</i>	<i>ʃéét</i>	<i>ʃéét</i> <i>təm̩mi</i>
Hamar	<i>éedi kála</i> <i>kaisá</i> = one complete man	<i>éedi kála</i> <i>kaisá apó</i> <i>táʔi</i>	<i>éedi</i> <i>lamá</i> <i>kaisá</i>	<i>éedi</i> <i>lamá</i> <i>kaisá</i> <i>apó</i> <i>táʔi</i>	<i>éedi</i> <i>makkán</i> <i>kaisá</i>	<i>éedi</i> <i>makkán</i> <i>kaisá apó</i> <i>táʔi</i>	<i>éedi</i> <i>ʔoʷidi</i> <i>kaisá</i>	<i>ʔe:di</i> <i>ʔoʷidi</i> <i>kaisá</i> <i>apó táʔi</i>	<i>éedi</i> <i>dung</i> <i>kaisá</i>	<i>ʃi kála</i>
Hamar-Banna	<i>ʔe:di kála</i> <i>kaʔsa</i>	<i>ʔe:di kála</i> <i>kaʔsa ʔpo</i> <i>təʔi</i>	<i>ʔe:di</i> <i>ləma:</i> <i>kaʔsa</i>	<i>ʔe:di</i> <i>ləma:</i> <i>kaʔsa</i> <i>ʔpo</i> <i>təʔi</i>	<i>ʔe:di</i> <i>makan</i> <i>kaʔsa</i>	<i>ʔe:di</i> <i>makan</i> <i>kaʔsa</i>	<i>ʔe:di</i> <i>ʔoʷidi</i> <i>kaʔsa</i>	<i>ʔe:di</i> <i>ʔoʷidi</i> <i>kaʔsa ʔpo</i> <i>təʔi</i>	<i>ʔe:di</i> <i>duŋ</i> <i>kaʔsa</i>	<i>ʃi kála</i>
Amare Coche									<i>teppi</i> <i>teppi</i>	

Note: The underlined forms indicate recent, Ethio-semitic, borrowings.

Survey of Ometo numerals

	Čara	Ometo I	Ometo II	Ometo III	p-Ometo
1a	<i>ɔissa</i>	* <i>ɔissi(-na)</i> attr. * <i>ɔis-ta</i> sglt.			* <i>ɔissi(-na)</i> attr. * <i>ɔis-ta</i> sglt.
1b			* <i>bizzo</i>		* <i>bizzo</i> , cf. Čara <i>bíža</i> ‘9’ = [10-]1
1c				* <i>pett(an)i</i>	* <i>pett(an)i</i>
2	<i>nanta</i>	* <i>namʔa</i>	* <i>lamʔa/i/u</i>	* <i>lamʔi</i>	* <i>lamʔa</i>
3	<i>ke:za</i>	* <i>heeʒza</i>	* <i>hayʒzi</i>	* <i>hayʒzi</i>	* <i>kʰayʒza/i</i>
4	<i>obda</i>	* <i>ɔoydda</i>	* <i>ɔoyddu</i>	* <i>ɔoyddi</i>	* <i>ɔowirda</i> (cf. <i>ourĩõtsā</i> ‘40’ by Cerulli)
5a	<i>učča</i>	* <i>ɔiččaša</i>	* <i>ɔišičiči</i>	* <i>ɔiččín</i>	* <i>ɔuččiss(in)a</i> < * <i>ɔučča</i> ‘5’ x * <i>ɔiss(in)a</i> ‘1’
5b				Male <i>dongo</i>	< Aroid
6a	<i>sapma</i>	* <i>ɔusuppuna</i>	* <i>ɔizzi/upu</i>	Oyda * <i>ɔizippun</i>	* <i>ɔis(s)in-puna</i> ‘1 over’
6b				* <i>lehi</i>	< Konsoid * <i>lehi</i>
7a	<i>lapma</i>	* <i>laappuna</i>	* <i>lappu</i>	Oyda * <i>laappun</i>	* <i>lamʔa-puna</i> ‘2 over’
7b				* <i>tabza</i>	
8a		* <i>hospuna</i>	* <i>hazzuppe</i>	Oyda * <i>ɔospun</i>	* <i>kʰayʒʒV-puna</i> ‘3 over’
8b	<i>nandirsa</i>				‘2 minus’
8c			* <i>lamkučče</i>	* <i>lamakay</i>	cf. Dirayta <i>lakkušeti</i>
9a	<i>bíža</i>				‘1 {minus}’, cf. Ometo II * <i>bizzo</i> ‘1’
9b		* <i>ɔuddupuna</i>	* <i>ɔodduppe</i>	Oyda * <i>ɔiddipun</i>	* <i>ɔowirdi-puna</i> ‘4 over’
			* <i>tamsinde</i>		* <i>tam-isin-de</i> ‘10 minus 1’
				* <i>saakali</i>	cf. Elmolo <i>sáákal</i> , Yaaku <i>saakal</i>

	Čara	Ometo I	Ometo II	Ometo III	p-Ometo
10	<i>tansá</i>	* <i>tamma</i>	* <i>tammu</i>	* <i>taḅḅa</i>	* <i>tamma</i>
20	<i>nantansá</i>	* <i>laatamma</i>	* <i>lamʔtamm(V)</i>	* <i>lamʔtam(m)</i>	* <i>lamʔa-tamma</i>
30	<i>ke:ztansá</i>	* <i>hastama</i>	* <i>hayʒʒitamm(V)</i>	* <i>hayʒʒi-taḅḅa / -tamm</i>	* <i>kʰayʒʒi-tamma</i>
40	<i>obda</i> <i>tansá</i> Cerulli: <i>ourtoñtsā</i>	* <i>ʔoydtama</i>	* <i>ʔoydd(V)tamm(V)</i>	* <i>ʔoyddi-taḅḅa / -tamm</i>	* <i>ʔowirdi-tamma</i>
50	<i>učča</i> <i>tansá</i>	* <i>ʔičatama</i>	* <i>ʔišičičitamm(V)</i>	* <i>ʔiččín-taḅḅa / -tam</i>	* <i>ʔučiss(in)a-tamma</i>
				Male <i>dongi-tammi</i>	
60a	<i>sapma</i> <i>tansá</i>	* <i>ʔisuppuna</i> <i>tamma</i>	* <i>ʔizup(V)tamm(V)</i>	Oyda * <i>ʔizippun tam</i>	* <i>ʔis(s)inpuna-tamma</i>
60b				Bask. <i>lèhí táḅḅá</i> Male <i>láhhí-támmi</i>	
70a	<i>lapma</i> <i>tansá</i>	* <i>laappun</i> <i>tamma</i>	* <i>laapp(V)tamm(V)</i>	Oyda * <i>laappun tam</i>	* <i>lamʔapuna-tamma</i>
70b				Bask. <i>tàbzá táḅḅá</i>	
80a	<i>nandirsa</i> <i>tansá</i>	* <i>hospun tamma</i>	* <i>hazzuptamme</i>	Oyda * <i>ʔospun tam</i>	* <i>kʰayʒʒVpuna-tamma</i>
80b			* <i>lamkučetamm(V)</i>	Bask. <i>làmahái táḅḅá</i>	
90a	<i>bíža</i> <i>tansá</i>				
90b		* <i>ʔuddupun</i> <i>tamma</i>	* <i>ʔodduptamme</i>	Oyda * <i>ʔiddipun tam</i>	* <i>ʔowirdipuna-tamma</i>
90c			* <i>tamsinde-tamm(V)</i>		* <i>tamisinde-tamma</i>
90d				Bask. <i>sàakàlì táḅḅá</i>	
100a	<i>še:ta</i>	* <i>ʔšeeta</i>	* <i>ʔšeetsa</i>	* <i>ʔšeeta</i>	* <i>ʔšeeta</i>
100b				Bask. <i>gábbà</i>	
1000	< Amhara			Oyda <i>mukul</i> Bask. <i>múkìlà/múkùlà</i>	* <i>mukila</i>

Note: Ometo I = Dorze, Zala, Gofa, Malo, Dache, Gamo, Wolaitta, Kullo/Dawro; Ometo II = Koorete, Ganjule, Zergulla, Zayse; Ometo III = Basketo (= Bask.), Doko, Dollo, Oyda, Male.

Survey of Omotic numerals

	Ometo	Gimira	Yemsa	Dizoid	Gonga	Mao	Aroid
1a	* <i>ɣissi(-na)</i> attr. * <i>ɣis-ta</i> sglt.		<i>ɣis:ɔ.n^{ll}</i> / <i>ɣisa^{ll}</i>	Nayi <i>yisɲ</i>	* <i>ɣikka</i> < * <i>ɣis/š-ka?</i>	* <i>ɣiš-kV/IV-</i>	
1b		* <i>mat</i>			Kafa <i>mittoo</i> sole		
1c				* <i>koy</i>			
1d							* <i>kal(l)a</i> * <i>wakkal(V)</i> ~ * <i>wallaḳa</i>
2a	* <i>lamʔa</i>	* <i>nam</i>				* <i>numbo</i> ; cf. Bambassi <i>kú-lumbò</i> ‘7’	* <i>lamma</i>
2b			<i>hep^{hl}</i> / <i>ɣep^{hl}</i>				
2c				* <i>tagn</i>			
2d					* <i>gutta</i> / * <i>gitta</i>		
2e							* <i>kastan</i>
3a	* <i>kʰayɣza/i</i>	* <i>kaz</i>	<i>kʰe:z²</i>	* <i>kadu</i>	* <i>keezə</i>		
3b						* <i>t/siyazi</i>	
3c							* <i>makkan</i>
4a	* <i>ɣowurda</i>	* <i>ɣod</i>			* <i>ɣawudda</i>		* <i>ɣowiddi</i>
4b			<i>ɣa^{ll}</i> ‘ <i>če:č³</i> ’				
4c				* <i>kubm</i>			
						* <i>(m)beṭṣi</i>	
5a	* <i>ɣučiss(in)a</i> < * <i>ɣučča</i> ‘hand’ x * <i>ɣiss(in)a</i> ‘1’	* <i>ɣuč</i>	<i>ɣo:č³</i>	* <i>ɣuxču</i>	* <i>ɣuučča</i>	* <i>kwitsi</i> < * <i>kutsi</i>	
5b							* <i>donḳ</i>
6a	* <i>ɣis(s)in-puna</i>	* <i>sapm</i>	<i>ɣl^l</i> ‘ <i>si:on^l</i> ’				
6b				* <i>yaku</i>			
6c	Ometo III * <i>lehi</i>						* <i>laxi</i>
7a	* <i>lamʔa-puna</i>	* <i>napm</i>	<i>na:fon^l</i>				

	Ometo	Gimira	Yemsa	Dizoid	Gonga	Mao	Aroid
7b	Ometo III <i>*tabza</i>			<i>*tubsun</i>			<i>*tabza</i> Dime <i>*tubsum</i>
8a	<i>*kʰayʒʒV-puna</i>						
8b	Chara <i>nandirsa</i>	<i>*nʷartin</i> < <i>*nam-ir-</i> <i>tam</i> 2-10	<i>'nanʒʳi:nʲ</i>				
8c				<i>*zyed</i>			
8d	Ometo III <i>*lamakay</i>						<i>*lamkay</i>
8e							<i>*kʰastan-tam-ars</i>
9a	<i>*ʔowurdi-puna</i>						
9b		<i>*irstn</i> < <i>*ʔis-ir-</i> <i>tam</i> 1-10					
9c	Ometo III <i>*saakali</i>		<i>'ʔɪzʲɡɪnʲ</i>	<i>*sagn</i>		Ganza <i>šélé?</i>	<i>*sall</i>
9d							<i>*walkan-tam-ars</i>
10a	<i>*tamma</i>	<i>*tam</i>	< EthSem.	<i>*tammu</i>	<i>*taNsa</i>		<i>*tamma</i>
10b						<i>*kuusV</i> = hand(s)	
100a	<i>*tʃeeta</i>		<i>ʔɪsaʲ tʰɪjaʲ</i>				
100b		<i>*bal</i>		Nayi <i>balla</i>	<i>*balla</i>		
1000a	<i>*mukila</i>						
1000b			<i>ʔɪsaʲ</i> <i>kʰɪʊ²ma²</i>	Nayi <i>wuma</i>	<i>*kuma</i>		

Etymological comments

“one”

1.1. Om.: (N) **ʔis-* > Ometo attributive **ʔissi(-na)*, singulative **ʔis-ta* | Yemsa *isa* | Dizoid: Nayi *isn*; Maoid: Seze *išilè*, Mao *íškè*; maybe also Gonga **ʔikka*, if it is derivable from **ʔis-ka* (Ehret 1995, 363, #726: NOm. + ECush. **ʔis-* “self”) ||| Sem. **ʕaštay-* “1” ||| Chad.: (C) Mafa *sátá*, Magumaz *sàtáq*, Sulede *stá* (de Colombel) || (E) Mokilko *sò* “1”.

1.2. Ometo **pet(t)-* id. ||| Chad.: (C) Margi *ʔᵇā.tūʷ* (J1₂, 262).

1.3. Gimira **maṭ-* id.; cf. Kafa *mitto* “sole” (Cerulli) ||| or < Cush.: (E) **mat-/mit-* “1” (Sasse 1982, 143) ||| Chad.: (W) Kirfi *modi*, Bolewa *moḍi* “1” (J1₂, 262) ||| (C) Mefeke *məṭá* “1”. Takács (1996, 136–37) offers a promising hypothesis, assuming the derivation from the appellative of

the type ECush. **math-* “head” (Sasse 1979, 36) || Beja *mat* “(top of) head” || Chad.: (C) Musgu *mada*, Vulum *māt* “head” || Eg. (OK) *mtj* “Vorsteher einer Priestergilde” (Wb. II, 168) || Sem.: Akk. *muttu* “front, forehead”.

1.4. Aroid **wəl(l)ak* vs. Dime *wokkil* id.; cf. NOm.: Koyra *wolakko* “one of two” (Cerulli) < ECush. **wal-lakk-*?

1.5. Aroid: Hamer-Banna-Karo **kala* id. There are NS parallels of the type West Nilotic **kel* “1”; Central Sudanic **kala* “1”; Taman **kara* “1” etc.

“two”

2.1. Om. **lam-* id. ||| Cush.: (N) Beja *-raama* with ‘augmentative’ *r* in *asaraama* “7” (Reinisch) || (C) **lāja/*laña* id. (CDA 141) || (E) **lam(m)-* id. (Sasse 1979, 21, 25) || Dahalo *líma* id. || (S) Asa *laam* & *xlam* (Fleming) id. (Dolgopolsky 165-67: Om. + N+E+SCush.; Ehret 1995, 424, #877: Om. + Cush. **la(:)m-* + Sem. **šimaʔal* “left hand”!). Dolgopolsky (1973, 167) thought about relation to the Cushitic designation of one of “fingers”: (N) Beja *lumi* “finger” (Reinisch) || (C) Damot *layetii*, Awngi *layatii* “finger” (Conti Rossini) || (E) Oromo *elema* (Tutschek), *elemtu* (Vitterbo) “forefinger”. There are interesting parallels in NS: Kuliak: So *nebe-c*, Ik *le’be-ts^a* “2” (Lamberti 1988, 124).

2.2. Dizoid **ʔagn* id. There are problematic parallels in Beja *tág^w* & *dág^w*, pl. *tagúug* “20” and Oromo (Tutschek) *digetam* = (Gragg) *digdama* “20”, cf. also NS: Nara *dokuta* “2” : *doko* “1” (Blažek 1999, 49).

2.3. Aroid: Ari **kasten*, Dime *kāṭim* id. || ?(N) Gonga: Mocha *qáččo* “half”, Bworo *kač*, Kafa *qat’o* id., cf. also Gurage Wolano *kitto* id. (Leslau 1959, 45).

2.4. Gonga **gutt-/*gitt-* id. Perhaps of Ethio-Semitic origin: Gyeto, Gogot *k^wet*, Maskat *x^wet*, Aymellel *kit*, Harari *koʔot*, *kōt* “2” vs. Tigre *kəlʔot* id. (Leslau 1963, 90; Lamberti 1993a, 316).

“three”

3.1. Omoto **hayz(z)-* | Gimira **kaz* | Yemsa *keez* | Gonga **keeʒ(ʒ)-* | Dizoid **ka(:)du* id. (Ehret 1995, 228, #396: NOm. **x₂ayz-* + Chad. **k-n-d*).

3.2. ?Maoid **t/siyaz-* id. - cf. Koman (NS): Kwama *twásèn*, Opuuo *tufu / tusu*, Komo *dif* “3”, besides ECush. **šazḥ-/*šizḥ-/*šaz(z)ih-* “3” (Sasse 1976, 138).

3.3. Aroid **makkan* ~ **makVm* id. ||| Chad. (W) South Bauchi: Jimi *mwaikan*, Geji *mekan* id. || (C) Bata *mwakən*, Bachama *mùwá:kún*, Gudu *makən*; Sukur *má:k^hən*; Mafa *màkâr*, Mofu *máákâr*, Gisiga *maakar* with *-r* < **-n-*, although most of the West & Central Chadic cognates are without the prefix **ma-* (Jl₂, 326–27).

“four”

4.1. Omoto **ʔowurd-* | Chara *obdá* | Bench *od* | Gonga **ʔawudd-* id. || Aroid **ʔoydd-i* id. The form Chara *ourṭōntsā* “40” (Cerulli) allows to reconstruct pOm. **ʔaβurd-* “4”, compatible with Beja *fāḍig* (Roper) ~ *farig* (Reinisch), in old records *fardik* (Krockow), *ferdik* (Lucas) < **fard/dig* || (E) **ʔaf(f)ar-* ~ **ʔaf(f)ur-* ||| Chad. **fari-du* or **faru-di* ||| Eg. *fāw m.*, *fāt f.* “4”, *ifd.t* “Vierheit” < **fdo3wēt* < **fida3wat* < **fidarwat* < **firadwat* (Blažek 1999, 32-36: from AA **far-* “finger”).

4.2. Yemsa *ačeeč* id. – isolated, maybe from Yemsa *očò* “foot, leg” (Lamberti), expressing “four legs” of animals?

4.3. Dizoid **kubm* id. – perhaps connected with ECush. **kub-* “finger” (Sasse 1982, 128–29) and WChad. **kUban-* “finger, fingernail” (Stolbova 1987, 211), cf. a use of this form in Sumray (EChad.) *kubi* “6” and *dénaa gúbii* “8” (Lukas) and Dahalo *kaba* (Tosco) = *kāβa* (Ehret) “3”.

4.4. Maoid **(m)beṣ-* id. – cf. Koman (NS): Kwama *bé:šin* “4”. The vector of borrowing is not clear.

“five”

5.1. Ometo **ʔičč-* | Chara *učá* | Bench *uč* | Gongga **ʔu(:)č(č)* | Dizoid **ʔuxču(m)* | ? Maoid **kutsi* id. || ?Eg. (NK) *qđ.t* “hand” = **qıd̥w-* > **qıwd-* > Coptic “P” *kiğ*, Bohairic *ğig̃*, Sahidic *ciğ* id. (Vycichl 1983, 350).

5.2. Ometo: Male *dɔŋgo* || or < Aroid **don̥k* id. ||| Chad.: (W) South Bauchi: Boghom *dāwnyi*, but Kir *to:n* id. indicates a probable Bantu origin.

5.3. Aroid.: Dime *šanne* id. < ECush.: Oromo *šan(i)* “5” (cf. Sasse 1975, 249–50).

5.4. Gongga: Anfillo *amitto* id. < HECush.: Burji *umútta* “5”, Sidamo *onte*, Gedeo *onde*, Hadiyya & Kambatta *onto* id. (Sasse 1982, 184).

“six”

6.1. Ometo **ʔis(s)in-puna* | Gimira **sapm* | Yemsa *ʔr^lsi:on^l* = “1 + **puna*”.

6.2. Dizoid **yaku* id.

6.3. Ometo III **lehi* || Aroid **laxi* < ECush.: Oromoid **lehi* id.

“seven”

7.1. Ometo **lamʔa-puna* | Gimira **napm*; Yemsa *'na:^lfɔn^l* = “2 + **puna*”.

7.2. Ometo III **tabza* || Aroid **tabza* < ECush.: Oromoid **tazba*.

7.3. Dizoid **tubsun* || Aroid: Dime **tubsum* < ECush.: Arbore *tuzba*.

“eight”

8.1. Ometo **k^hayɜɜV-puna* = “3 + **puna*”.

8.2. Chara *nandirsa* | Gimira **n^lartn* < **nam-ir-tam* | Yemsa *'naɲ²ri:n^l* “8” = “2 subtracted from 10”.

8.3. Aroid **kāstan-tam-ars* “8” = “2 subtracted from 10”.

8.4. Ometo III **lamakay* || Aroid *lamkay* id. = “2 minus”?

8.5. Dizoid **zyed* < ECush.: Galaboid: Dasaneč *sièt*, cf. Somaloid **sizy'èèt*.

“nine”

9.1. Ometo **ʔowurdi-puna* = “4 + **puna*”.

9.2. Gimira **irstn* < **ʔis-ir-tam* “1 subtracted from 10”.

9.3. Aroid **walkan-tam-ars* = “1 – 10 – minus”

9.4. Ometo III **saakali* | Yemsa *'ʔr^lz^lgm^l* | Dizoid **sagn* < ECush. **sagal(an)*- “9”.

9.5. Maoid: Ganza *šéléʔ* || Aroid **sall* < ECush.: Galaboid: Dasaneč *sall*.

“ten”

10.1. Ometo **tamma* | Gimira **tam* | Dizoid **tammu* | Gongga **taNsa* || Aroid **tamma* id. – cf. Cush.: Beja **tamin* “10” (by Reinisch also *tamún*) || Agaw **-täŋən* “-ty” (formant of tens) || ECush. **tomman-* “10” represent a Cushitic-Omotc isogloss (or a Cushitic loan in Omotic) with suggestive counterparts in NS: Nilotic (South) **taman* | (East) **təmən* (without Bari) | (West) Lango (Conti Rossini) *tomon* “10” (isolated within WNilotc) || SESurma (Haberland): Yidenit *tómno*, Meqen *tommon*, Bodi *tómno(na)*, Mursi (*a*)*tómmon* ||| Kuliak: Ik *tomn²* ||| Nubian: Nobiin *dimé*, Kenzi *dimin*, Haraza *timinah*, Birgid *tummun*, Meidob *timizi* ||| Bertha: Fadashi & Mayu (TB) *ma-θuma*, Fazoglo (Tutschek) *ma-doma* ||| Saharan: Zaghawa (MacMichael) *timm(i)*, all “10”, besides the compounded forms attested in Koman: Fungí (MacMichael) *diman-didin* “9” = “10 – 1”, cf. *didian* “1”, Gule (Seligmann) *dēmadidīn* “9” : *dēdīn* “1”. The Nilotic, Surmic and Kuliak forms are probable Cushitic loans with respect to presence of other Cushitic borrowings in these branches, including numerals. Koman and Bertha languages also are in contact with the

Cushitic languages. In last two centuries the Nubian languages were at least partially (Nile Nubian) in direct contact with Beja, but earlier probably with other Cushitic branches too (Bechhaus-Gerst). The Nubian forms are derivable from two variants: **timin* & **tammun*, with regard to regressive assimilation **tam(m)in* & **tammun*, both forms attested in Beja dialects. The Zaghawa counterpart *timm(i)* could be mediated by Meidob.

10.2. Maoid **kuusV* = hand(s).

“hundred”

100.1. Omoto **tʃeeta* “100” | Yemsa *ʔrʰsaʰ tʰrʰjaʰ* “1 x 100” – cf. ECush.: Konsoid: *Dirayta tseeta /tʃeeta/*, Muusiye *ʃeeta* “100”.

100.2. Gimira **bal* | Dizoid: *Nayi balla* | Gonga **balla* < ECush. **boqol-* id.

“thousand”

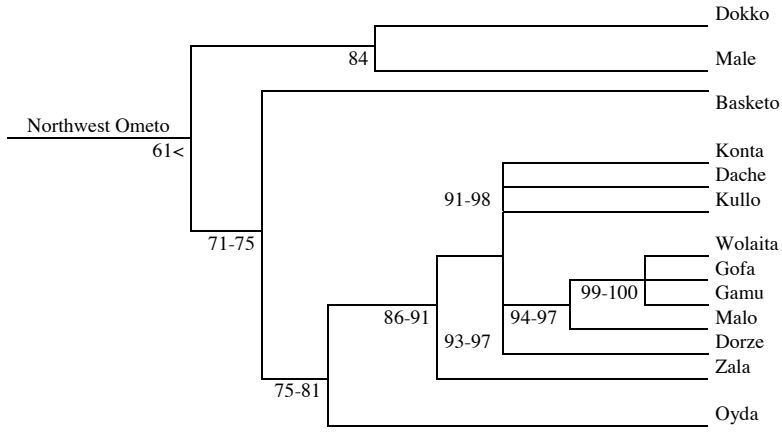
1000.1. Yemsa *ʔrʰsaʰ kʰoʰmaʰ* “1 x 1000” | Dizoid: *Nayi wuma* | Gonga **kuma* “1000” < ECush. **kuma*.

1000.2. Omoto **mukila* “1000”.

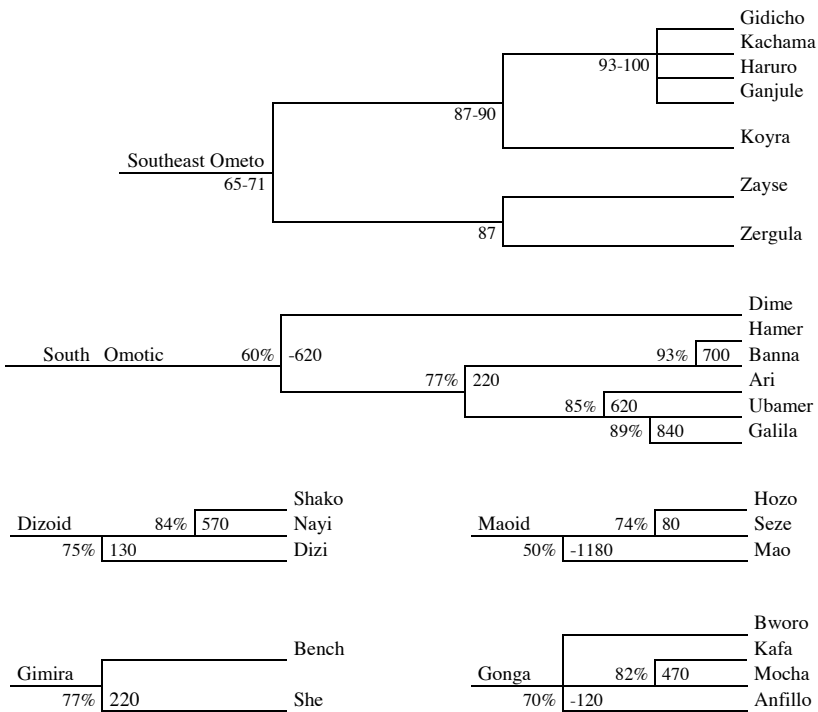
Sources of Omotic

(* = <<https://mpi-lingweb.shh.mpg.de/numeral/Afro-Asiatic.htm>>)

Anfillo = Southern Mao: Amanuel* (2012); **Bambassi** = Northern Mao: Michael Ahland* (2008); **Bakko**: de Trento (1941); **Basketo**: Yvonne Treis* (2013); **Bench**: Mary Breeze* (1995); **B(w)oro₁** = **Shinasha**: Rottland* (1990); **B(w)oro₂** = **Shinasha**: Lamberti* (1993), Plazikowski Brauner (1950); **B(w)oro₃** = **Shinasha**: Beke apud Vinigi Grottanelli (1941); **Chara**: Aklilu Yilma* (2008); **Dache of Gamo**: Sellassie Cheru* (2012); **Dime₁**: Marvin L. Bender* (1989), Ralph Siebert* (2002); **Dime₂**: Mulugeta Seyoum Gebeyaw* (2008); **Dizi**: Marvin Beachy* (2008) / Allan (1976); **Doko**: Harold Fleming (1971); **Dollo**: Carlo Conti Rossini (1927); **Dorze**: Sellassie Cheru* (2012); **Galila**: Harold Fleming (1971); **Gamo**: Samuel Gonderie* (2012); **Ganjule₁**: Fitsum Abate* (2012); **Ganjule₂**: Harold Fleming (1971); **Ganza**: Girma Mengistu Desta* (2012); **Gats'ama** = **Kachama**: Ralph Siebert (1994); **Gofa**: Sellassie Cheru* (2012); **Hamar**: Sara Petrollino* (2014); **Hamar-Banna**: John Chan* (1996); **Hozo₁**: Marvin L. Bender* (1989) / Charlotte Wedekind, Klaus Wedekind & Ralph Siebert* (2002); **Hozo₂**: Getachew Kassa Bahiru* (2012); **Kafa**: Kifle Meshesha* (2012); **Karo** = **Kerre**: Carlo Conti Rossini (1927); **Koorete**: Lydia Hoeft* (1996, 2013); **Kullo**: Borelli (1890); **Male**: Azeb Amha* (2007); **Malo**: Harold Fleming (1971); **Nayi** = **Na'o**: Aklilu Yilma* (1995); **Oyda**: Bernhard Köhler* (2012); **Seze₁**: Marvin L. Bender* (1989) / Charlotte Wedekind, Klaus Wedekind & Ralph Siebert* (2002); **Seze₂**: Girma Mengistu Desta* (2012); **She**: Carlo Conti Rossini (1925); **Shekkacho** = **Mocha**: Tolemaria Fufa* (2007); **Sheko**: Aklilu Yilma* (1995); **Ubamer**: Harold Fleming (1971); **Wolaitta₁**: Sellassie Cheru* (2012); **Wolaitta₂**: Azeb Amha* (2007); **Yemsa**: Hans Schaumberger* (1998); **Zala**: Enrico Cerulli (1929); **Zargulla**: Azeb Amha* (2007); **Zayse**: Enrico Cerulli (1938b).



The internal classification of the Southeast Omoto (pp. 79–81):



Abbreviations

Akk. Akkadian; Amh. Amhara; Arb Arbore; Bask. Basketo; Bk Bako; Bn Banna; Bu Burji; C Central; Chad. Chadic; Cu(sh) Cushitic; D Dalpena; Dah Dahalo; Dob Dobase; E East; Eg. Egyptian; Eth. Ethio-; Ga Gawwada; Go Gollango; Gu Gumuz; H Highland; Ha Hadiyya; Hm

Hamar; Hrs Harso; J Jinka; Kal Kalenjin; Kmb Kambatta; Ko Konso; Kr Karo; Kw. Kwegu; N North; Nil Nilotic; NS Nilo-Saharan; Nu Nuer; Nub Nubian; Om Omotic; Or Oromo; p- proto-; S South; Sem. Semitic; Sh Saharan; Shil Shilluk; Si Sidamo; Som Somali; Sw. Swahili; Te Teso; Ts Tsamay; W West.

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