

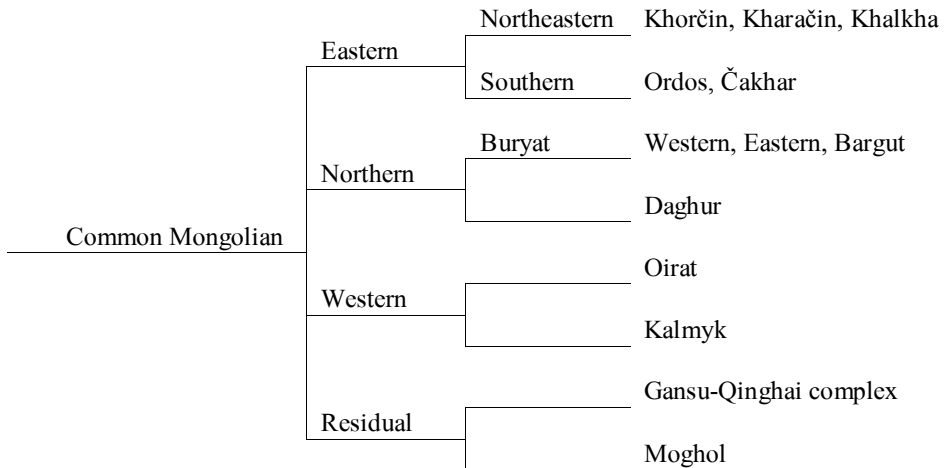
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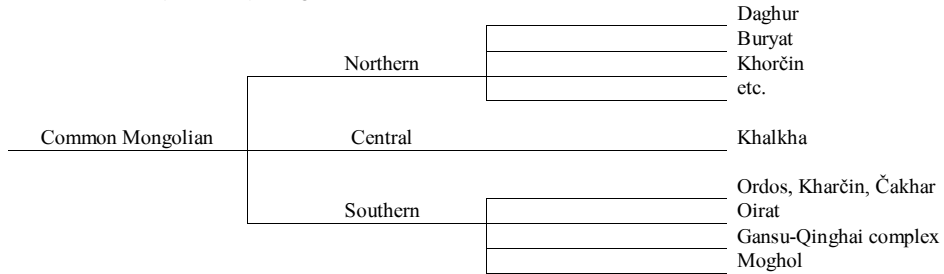
ON CLASSIFICATION OF MONGOLIAN

0. The purposes of the present study are to summarize the most important models of classification of Mongolian languages with their visualizations in tree-diagrams, to describe the used methodological approaches, and finally to offer our model, based on so called ‘recalibrated’ glottochronology developed by Sergei Starostin. From the previous summarizing surveys of classification of the Mongolian languages we find most useful the article of Rybatzki (2003).

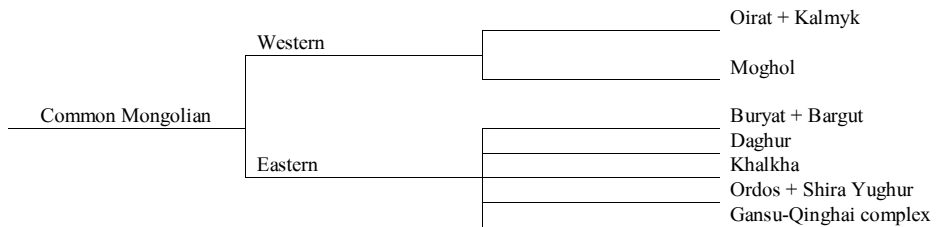
1. The first serious classification of Mongolian languages was proposed by Rudnev (1908):



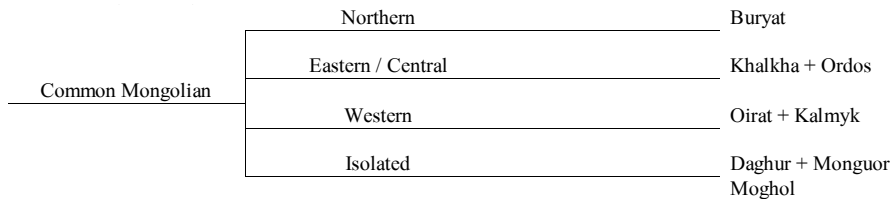
2. Later Rudnev (1911, 231) changed his model as follows:



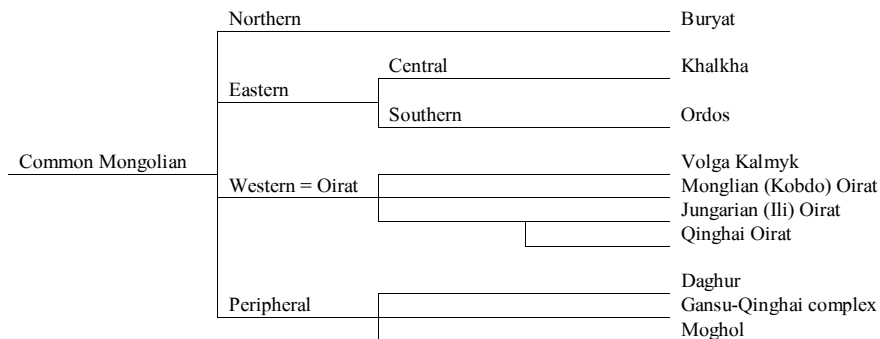
3. Vladimircov (1929, 2-18) divided the Mongolian languages only into two branches:



4. Sanžeev (1952, 40) returned to four branches:

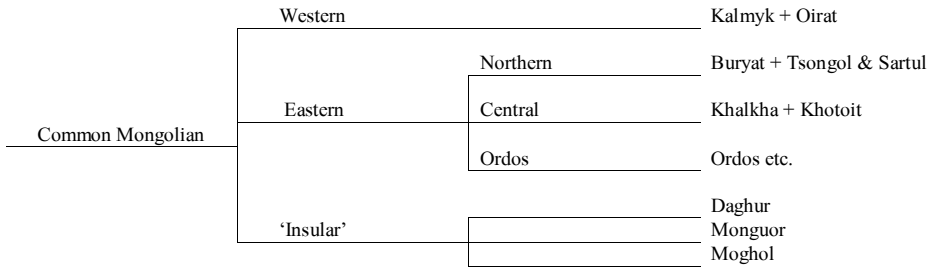


5. Sinor (1952) accepted this tetrachotomic classification; he added some details:

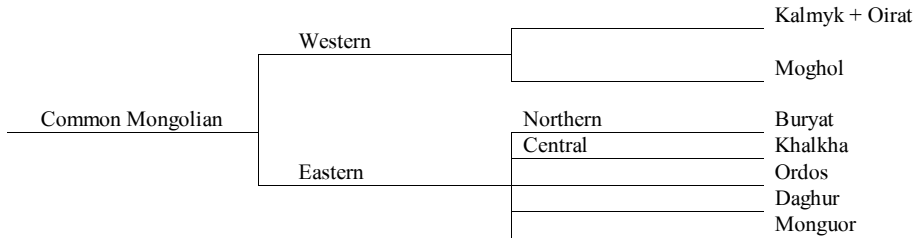


On Classification of Mongolian

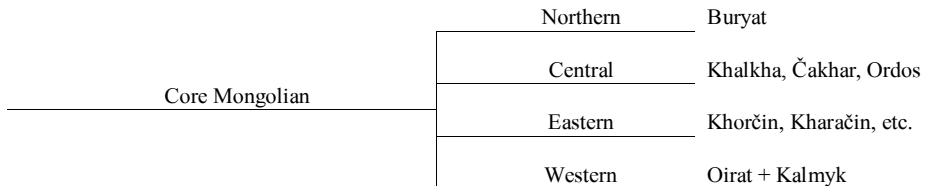
6. Poppe (1954, 6-7) operated with two ‘mainstream’ and one ‘peripheral’ branches:



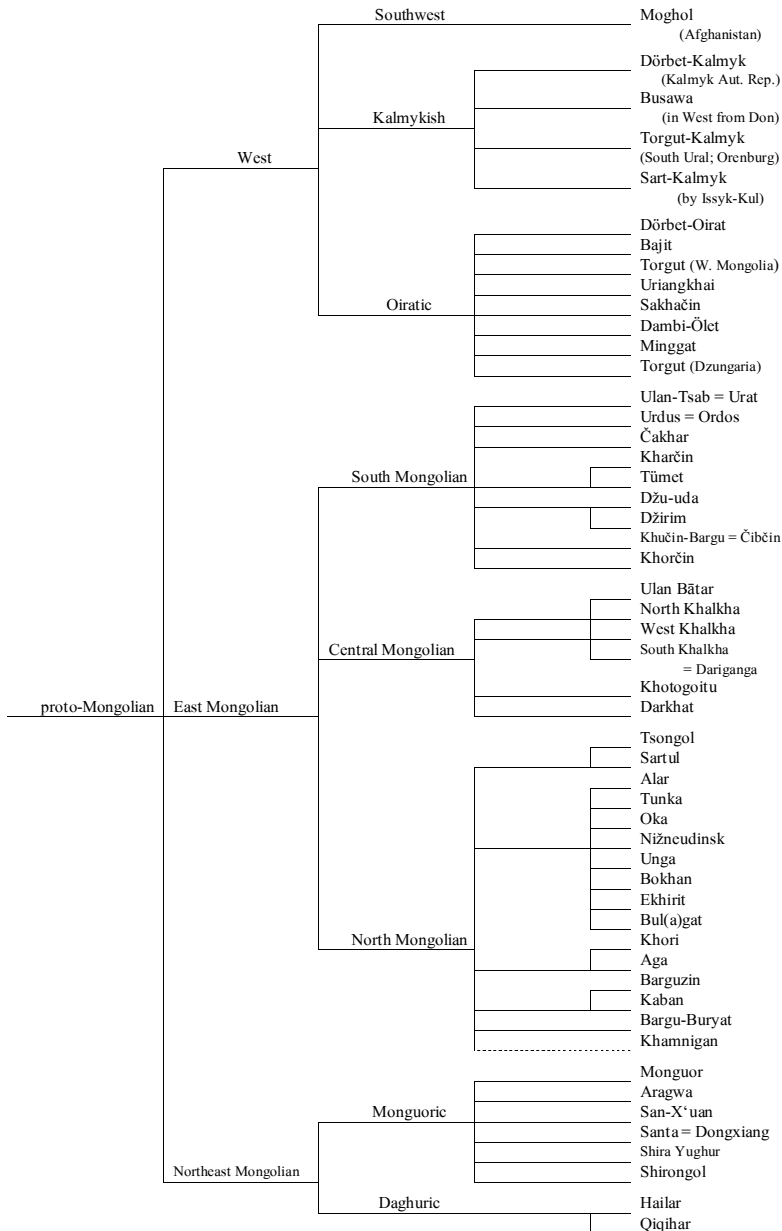
7. Later Poppe (1955, 14-23) reduced his classification into the dichotomic model:



8. Luwsandwan (1959) focused on so called core Mongolian:



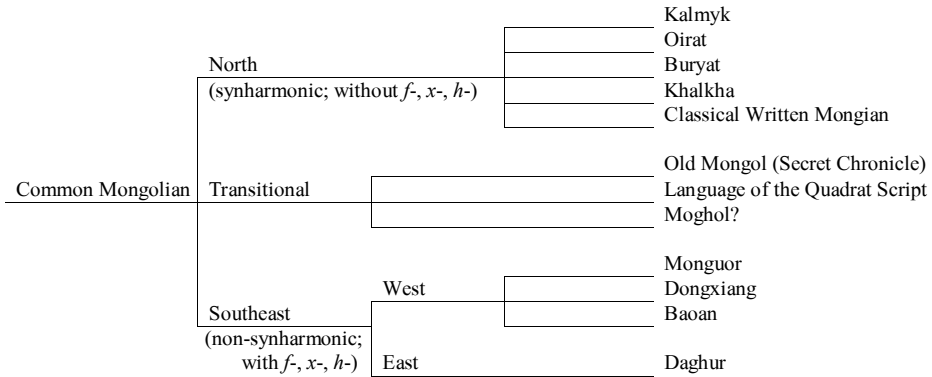
9. The most detailed classification of Mongolian languages was proposed by Doerfer (1964, 41-43).



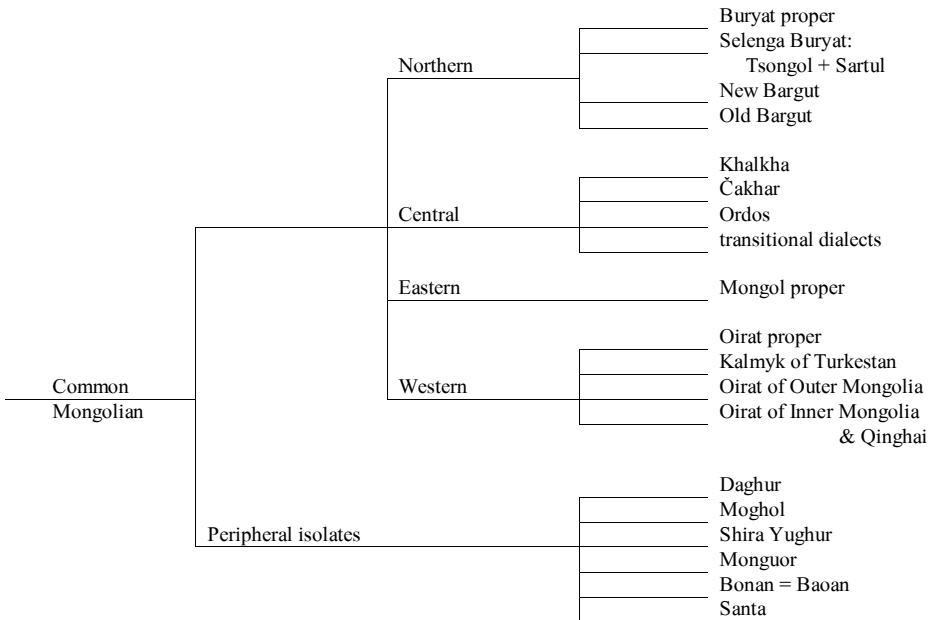
Note: Including numerous dialects, this classification is based especially on geographical principles.

On Classification of Mongolian

10. Bertagaev (1968, 9-12) differentiated the Mongolian languages according to typological phonetic criteria:



11. The classification of Beffa & Hamayon (1983) is ambitious, but it remains more areal than genetic:



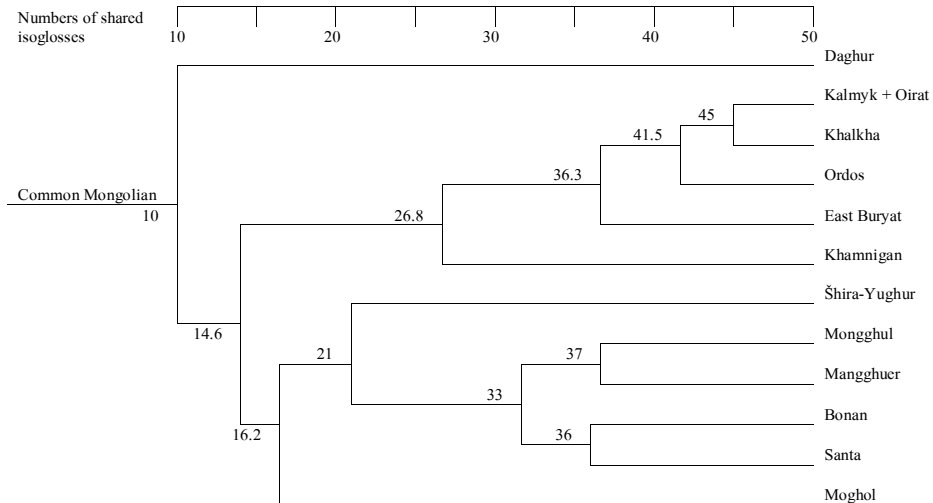
12. Svantesson (2000) returned to the trichotomic model:

Common Mongolian	Eastern	Mongol proper, Buryat, Khamnigan Mongol, Shira Yughur, Daghur
	Oirat	Oirat
	Western	Monguor, Santa, Bonan, Moghol

13. The existing classifications are based on combination of both areal and grammatical, i.e. phonetic & morphological, criteria. But their evaluation was only intuitive or qualitative. The first who introduced the quantitative approach to evaluate the phonetic and morphological isoglosses, is Rybatzki (2003, 387-89). He summarizes the mutual correspondences of the most important grammatical isoglosses between 12 modern languages into the following matrix:

	Khamn.	EBuryat	Khalkha	Ordos	Oirat	Moghol	Sh.Yughur	Monggh.	Manggh.	Bonan	Santa
Daghur	12	14	17	11	12	4	6	10	9	9	6
Khamnigan		33	27	24	23	10	12	12	12	11	10
EBuryat			42	32	35	11	17	15	14	13	12
Khalkha				43	45	11	20	18	17	16	13
Ordos					40	10	18	18	15	15	11
Oirat						14	19	17	15	13	12
Moghol							14	15	17	17	18
Sh.Yughur								25	23	20	16
Mongghul									37	34	30
Mangghuer										36	33
Bonan											36

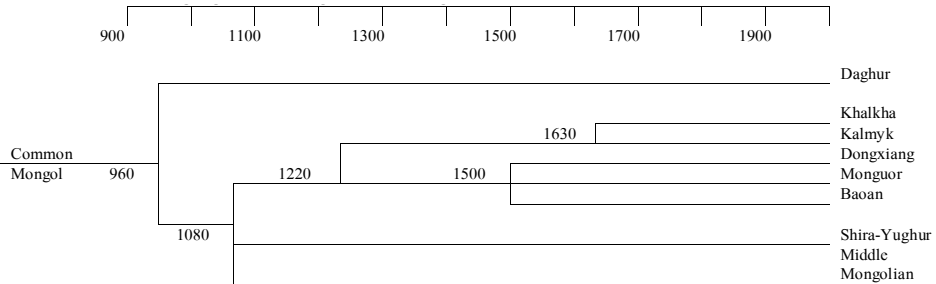
On the basis of these figures it is possible to construct the tree diagram:



On Classification of Mongolian

14. Hattori (1959) was the first one who tried to introduce glottochronology in classification of the Mongolian languages. In his time it was the ‘classical’ method developed by Morris Swadesh.

15. The first application of the ‘recalibrated’ glottochronology to classify the Mongolian languages was prepared by Sergei Starostin himself (1991, 227-244 with lexical data) and finished by his team. It is based on 8 best documented languages, including Middle Mongolian:



16. Our classification operates with the same 7 modern languages with full 100-word-lists, namely Khalkha, Kalmyk, Santa (= Dongxiang), Baoan (= Bonan), Daghur, Shira Yughur, Monguor (at our disposal are also data from two incompletely documented Monguoric dialects Mongghul [99 words] and Mangghuer [77 words]), plus Buryat also with complete documentation. Incomplete, but useful materials are from Moghol [93 semantic units], Ordos [88], Oirat [81], Khamnigan Mongol [78]. For complete information in the wordlists the lexical data of Middle Mongolian and Written Mongolian are added.

%	Oirat	Khalkha	Buryat	Ordos	Khamn.	Santa	Baoan	Daghur	Yughur	Monguor	Moghol
Kalmyk	98.76	99.00	99.00	97.72	96.15	94.79	96.35	94.50	95.95	97.44	90.78
Oirat		100.00!	98.76	97.36	89.85!	93.75	94.30	94.44	95.00	96.87	88.97
Khalkha			99.00	98.86	96.15	94.79	96.87	95.00	95.95	95.91	90.00
Buryat				98.86	97.43	95.31	94.27	93.00	94.94	95.91	90.78
Ordos					97.29	93.10	95.93	95.45	95.45	95.97	91.66
Khamn.						92.30	94.73	89.74	94.87	93.50	90.62
Santa							96.84	91.14	90.00	94.79	90.14
Baoan								94.27	93.68	97.91	92.56
Daghur									89.39	94.38	88.66
Yughur										95.36	88.81
Monguor											94.00!

Note: The symbol „!” indicates rather deviant figures, apparently influenced by defective, i.e. missing or borrowed, lexical data. For this reason they were not taken in account in final calculation.

17. Conclusion

Our results confirm a narrow closeness of Khalkha, Buryat, Oirat, Kalmyk and Ordos, whose literary forms depend on the lexicon of Written Mongolian. Khamnigan probably belonged to the same, ‘Core Mongolian’, cluster, but without any conservation in

a literary variety its difference from other ‘core’ languages vacillates around 3%, in contrary to 2% for the preceding five idioms. The preceding classifications based on the quantitative approach (##13, 15) are in agreement with our results, connecting Monguor, Baoan and Santa in the second cluster. All these three models also agree in conclusion that Daghur separated before a divergence of the ‘core’ and south clusters. On the other hand, we differ in the position of Shira Yughur and Moghol. We find the closest relative of Shira Yughur in the ‘core’ cluster, Rybatzki (2003) connects it together with the south cluster, while Starostin (1991) proposed for it the independent position outside both the clusters. The position of the most deviant language is occupied by Moghol in our model, while Rybatzki classifies Moghol together with the south cluster, plus Shira Yughur. Using his method, the place of the most deviant language occupies Daghur. Starostin did not test Moghol at all. Summing up, these three models differ only in positions of Shira Yughur and Moghol. The uncertain classification of Moghol is understandable, if it is the language with the highest number of loans (18), plus 7 missing items in the testing list. In any case, it is a relatively high correlation, taking in account the differences in approach, especially between the quantitative evaluation of the phonetic and morphological isoglosses calculated by Rybatzki and lexical isoglosses applied by Starostin and us.

Appendix: Wordlists of Mongolic languages

l. section	MMong.	WMong.	Khalkha	Buryat	Kalmyk	Oirat	Ordos	Khamnigan
1a. all	<i>bui-</i>	<i>bügüde/ büküli</i>	<i>bügd/ büx</i>	<i>büx/ bügd</i>	<i>bügde</i>	<i>bügüde</i>	<i>bügüde</i>	
1b.	<i>qou</i>		<i>xū</i>	<i>xū</i>	<i>xō / xu</i>			
1c.		<i>qamaγ, -uγ</i>	<i>xamag</i>	<i>xamag</i>	<i>xam^oḡ</i>	<i>xamuq</i>	<i>xamug</i>	
1d.								
1e.			<i>nīyt + general, public</i>	<i>nīte/ nīt + general, public</i>				
1f.			<i>alibā + any</i>	<i>alibā + any</i>				
1g.								
1h.								
1i.								
1j.								
1k.								
2a. ashes	<i>hünesü</i>	<i>ünesü</i>	<i>üns</i>	<i>ünehen</i>	<i>ümsn</i>		<i>ünes</i>	
2b.								
2c.								
3a. bark	<i>quadasun</i>				<i>xüdəsn</i>			
3ba.	<i>qolisun</i>	<i>qalisun</i>	<i>xal's</i>	<i>xalihan/ xal'ha(n)</i>	<i>xäl'sn</i>		<i>xalisu</i>	
3bb.			<i>xoltos</i>	<i>xoltohon</i>				

On Classification of Mongolian

3c.	<i>körtüsün</i>		(<i>xörs/</i> <i>xörsön</i> + soil)		<i>körsn</i> + skin			
3.d.								
3.e.						<i>dürsn</i> ^B		
4a. belly	<i>keḡeli</i>	<i>keḡeli</i>	<i>xewel</i>		<i>kēli</i>		<i>xēl</i>	
4b.		<i>gedesün</i> + stomach	<i>gedes</i>	<i>gedehe</i>	<i>gesn</i> ^B	<i>gesen</i>	<i>gedesü</i>	<i>geḡes</i>
5. big	<i>yeke</i>	<i>yeke</i>	<i>ix</i>	<i>yexe</i>	<i>ik/ ik^e</i>	<i>yeke/ ik</i>	<i>iḡḡe</i>	<i>yeke</i>
6a. bird	<i>šibaḡun</i>	<i>šibaḡun</i>	<i>šuwū</i>	<i>šubūn</i>	<i>šowūn</i>	<i>šiboun</i>	<i>šiwūn</i>	<i>sibō/ šiwō</i>
6b.								
6c.								
6d.								
7a. bite	<i>qaḡa-</i>		<i>xaḡ-</i>	<i>xaḡax-</i>	<i>ḡazā-</i>		<i>xaḡa-/ xaḡu-</i>	
7b.	<i>ḡaḡu-</i>	<i>ḡaḡu-</i>	<i>ḡū-</i>	<i>ḡū-</i>	<i>ḡū-</i>	<i>ḡou-</i>	<i>ḡū-</i>	<i>ḡō-</i>
7c.	<i>kemeli-</i>		<i>xemlex-/</i> <i>ximle-</i>	<i>ximelxe-</i>	<i>kemī-</i>		<i>kemele-</i>	
7d.								
8. black	<i>qara</i>	<i>qara</i>	<i>xar</i>	<i>xara/ xar</i>	<i>ḡarā</i>	<i>xar/ xara</i>	<i>xara</i>	<i>kara/ ḡara</i>
9. blood	<i>čisu/</i> <i>čisun</i>	<i>čisun</i>	<i>cus</i>	<i>šuhaj</i>	<i>cusn/</i> <i>čusn</i>	<i>cusun/</i> <i>čusn</i>	<i>ḡusu</i>	
10. bone	<i>yasun</i>	<i>yasun</i>	<i>yas</i>	<i>yahā/</i> <i>yahan</i>	<i>yasn</i>	<i>yasu</i>	<i>yasun</i>	<i>yas</i>
11a. breast	<i>kökün</i>	<i>köke/ kökün</i> + nipples	<i>xöx</i>	<i>xüxen</i>	<i>kökn</i>		<i>gōḡḡō</i>	<i>kükō</i>
11b.								
11c.			<i>mēm</i> + udder					
11d.		<i>ebciḡün</i>	<i>ēpcü</i>	<i>übsün</i>	<i>öpčün</i>	<i>ebčiu</i>		
11e.			<i>öwör</i>	<i>über</i> + bossom	<i>öwr</i>			
11f.			<i>delen</i> + udder	<i>delen</i> + udder				<i>deleḡ/ deleḡ</i> <i>küköl</i> + udder
11g.		<i>cigeḡi/</i> <i>čegeḡi</i>	<i>cēḡ</i>	<i>sāḡ/ sēḡe</i>	<i>cēḡi</i>			<i>cēḡ/ cēḡ</i>
12a. burn	<i>tüle-</i>		<i>tüle-</i>	<i>dürex-/</i> <i>tülex-</i>	<i>tül-</i>			
12b.			<i>šatax-</i>	<i>šatax-</i>				
12c.			<i>nocox-</i> + catch fire, grab	<i>nosox-</i> + catch fire, grab				
12d.			<i>galdax-</i> < <i>gal</i> fire	(<i>galdax-</i> < <i>gal</i> fire)				
13a. claw	<i>kimusun</i>		<i>xums</i>	<i>xyumhan</i>	<i>xumsn</i>			<i>kimuxu</i> <i>k'imus</i>

Michał Schwarz, Václav Blažek

13b.			<i>sawar / sawrū + paw</i>	<i>habar</i>	<i>sawr/ sawūr</i>			<i>sawar</i>
13c.								
14a. cloud	<i>eğülen</i>	<i>egülen</i>	<i>ül</i>	<i>ülen</i>	<i>üln</i>	öülen		
14b.								
14c.								
14d.								
15a. cold	<i>köyiten</i>	<i>küiten/ küyiten</i>	<i>xüiten</i>	<i>xüiten</i>	<i>kītn</i>		<i>küiten/ kīten</i>	
15b.			<i>žixün + frosty, chilly</i>	<i>(žigūj + frosty, chilly)</i>	<i>žexə</i>			
15c.			<i>(χawsaraŋ/ xavsraga about the wind)</i>	<i>heryün</i>	<i>(sewr about the wind)</i>			
15d.								
15e.								
16. come	<i>ire-</i>	<i>ire-/ irekü-</i>	<i>ir-</i>	<i>ere-/ yere-</i>	<i>ir-</i>	<i>ir-</i>	<i>ir-/ ire-</i>	<i>ire-</i>
17. die	<i>ügü-</i>	<i>ükü-</i>	<i>tix-</i>	<i>ixe-</i>	<i>ük-/ ük^u-</i>	ükü-	<i>ü^hxü-</i>	
18. dog	<i>noqai</i>	<i>noqai/ noxai</i>	<i>noxoi</i>	<i>noxoi</i>	<i>noxā</i>	<i>noxā</i>	<i>nokoi</i>	<i>nokoi/ noxoi</i>
19. drink	<i>ugu-</i>	<i>yu-</i>	<i>ū-</i>	<i>ū-</i>	<i>ū-</i>	<i>ū-</i>	<i>ū-</i>	<i>ū-</i>
20aa. dry			<i>xūrai / xūraj + thin</i>	<i>xūrai</i>	<i>xūrā</i>		<i>xūrā + thin</i>	
20ab.	<i>qusun/ qo'osun/ qu'asun + empty (qoson dryness)</i>	<i>qoγosun</i> dry, empty		<i>xōhoj</i>	<i>xagsu^B</i>		<i>χōson</i>	
20b.			<i>gan</i>	<i>gan</i>				
21. ear	<i>čikin</i>	<i>cikin / čikin</i>	<i>čix</i>	<i>šexe</i>	<i>čikn</i>	<i>cik/ cikn</i>	<i>žike/ žixe</i>	<i>ciki/ čikin</i>
22a. earth	<i>qažar</i>	<i>gažar</i>	<i>gažar</i>	<i>gažar</i>	<i>gazr</i>	γazar	<i>gažar</i>	<i>ğadzar</i>
22b.	<i>širağū/ širo'ai</i>	<i>siruyā/ siroi</i>	<i>šorō/ šoroj</i>	<i>šorō/ šoroi</i>	<i>šorā</i>	<i>široi</i>	<i>šorō</i>	<i>siroi</i>
22c.			<i>xōrs/ xōrsōn + soil</i>	<i>xūrihen</i>	<i>kōsr + base, steppe</i>			
22d.								
23. eat	<i>ide-</i>	<i>ide-</i>	<i>id-/ ide-</i>	<i>ede-/ edi-</i>	<i>id-/ ide-</i>	ide-	<i>ide-</i>	<i>ide-</i>
24a. egg	<i>ömdegen</i>	<i>öndegen</i>	<i>öndög</i>	<i>ündegen</i>	<i>önd^ggn</i>		<i>öndögö</i>	<i>undugu</i>
24b.								
25a. eye	<i>nidün</i>	<i>nidü/ nidün</i>	<i>nüd</i>	<i>nüden</i>	<i>nüdn</i>	<i>nüdü/ nid</i>	<i>nüdü</i>	<i>nidu/ nidun</i>
25b.								

On Classification of Mongolian

26a. fat n.		<i>tosu/ tosun</i> + oil	(<i>tos</i> + oil = масло)	<i>toho/</i> <i>tohon</i> + oil	<i>tosn</i> + oil (B: of fish)		<i>dusu</i> + oil	<i>t'os(u)</i>
26b.	<i>eġükün</i>		<i>ōx</i> + oil	<i>ūxen/ ōx-</i> + lard	<i>ōkn</i>			
26c.								
27a. feather	<i>ödün</i>	<i>ödün</i>	<i>öd/ ödön</i>	<i>üden</i>	<i>öd^{pl}/ ödn</i>		<i>üdü</i>	<i>üdü</i>
27b.								
27c.								
28. fire	<i>qal</i>	<i>γal</i>	<i>gal</i>	<i>gal</i>	<i>γal</i>	<i>gal</i>	<i>gal</i>	<i>gal</i>
29a. fish	<i>žiyasun</i>	<i>žiyasun</i>	<i>zagas</i>	<i>zagaha/</i> <i>zaghaŋ</i>	<i>zagasn</i>	<i>zagasun</i>	<i>žagus/</i> <i>žagasu</i>	<i>jagaxu</i>
29b.								
30a. fly v.	<i>nis-</i>	<i>nis-</i>	<i>nis-</i>	<i>nindexe-/</i> <i>nīdax-</i>	<i>nes-/ nis-</i>	<i>nis-</i>	<i>nis-</i>	<i>neid-</i>
30b.								
31. foot	<i>köl</i>	<i>köl</i>	<i>xöl</i>	<i>xül</i>	<i>köl</i>	<i>köl</i>	<i>köl/ xöl</i>	<i>köl/ xöl</i>
32a. full	<i>dügüren</i>		<i>düren</i>	<i>düren</i>	<i>dürn</i>	(<i>döüre-</i> v.)		
32b.			<i>büren</i>	<i>bürin</i>	<i>bürı</i>			
33. give	<i>ök-</i>	<i>ög-</i>	<i>öx-</i>	<i>üge-</i>	<i>ök-</i>	<i>ök-</i> / <i>ög-</i>	<i>ög-</i>	<i>ug-</i>
34a. good	<i>sayin/</i> <i>sain</i>	<i>sayin</i>	<i>sain</i>	<i>hain</i>	<i>sān</i> + healthy	<i>sayin</i>	<i>sān</i>	<i>hain</i>
34b.								
34c.								
34d.								
35a. green	<i>noqoġan</i>	<i>noγuyan</i>	<i>nogōn</i>	<i>nogō/</i> <i>nogōn</i>	<i>noγān</i>		<i>nogōn</i>	<i>noγō</i>
35b.		<i>kōke</i> + blue	<i>xōx</i>		<i>kōk</i>			
36a. hair	<i>ūsün/</i> <i>hūsün/</i>	<i>üsü/ üsün</i>	<i>üs</i>	<i>ühe/ ühen</i>	<i>üsn</i>	<i>üsün</i>	<i>üsü</i>	<i>üs/ uhun</i>
36b.		<i>qilyasun</i>	<i>xyalgas/</i> <i>xyalgasan/</i> + horsehair				<i>kilgasu</i> + horsehair	
36c.								
36d.								
37. hand	<i>qar</i>	<i>γar</i>	<i>gar</i>	<i>gar</i>	<i>γar</i>	<i>γar</i>	<i>gar</i>	<i>gar</i>
38a. head	<i>teri'un/</i> <i>terün</i> + beginning, first	<i>terigün</i> + beginning, first	<i>tərgün</i> + beginning, first	<i>tarxi/</i> <i>türün</i> + first	<i>türün</i> + beginning, first	<i>terigöü</i>	<i>terigün/</i> <i>tür-ü(n)</i> + beginning, first	<i>tariki/n</i>
38b.	<i>toluyaj</i>	<i>toluyai</i>	<i>tolgoi</i>	<i>tolgoi</i>	<i>tolyā</i>	<i>tologhoi</i>		<i>t'ol'goi</i>
38c.	<i>heki</i>	<i>eki/ ekin</i>	(<i>ex</i> + beginning, source)				<i>eγe</i> + beginning, origin, source	

Michał Schwarz, Václav Blažek

38d.								
39a. hear	sonos-	sonos-	sonso-	sonos-	sonös-/ sons-	sonos-	sonos-	
39b.		čingla-	čagnax-				čiŋna	čiŋnaku
40. heart	žürüken	žirüken	zürx	zürxe	zürkn	zürken	žürükxe	žürük
41a. horn	eber	eber/ ebür	ewer	eber	ewr	öbör	ever	eber
41b.								
42. I	bi	bi	bi	bi	bi	bi	bi	bi
43. kill	ala-	ala-/ alaqu-	al-/ ala-	ala-	al-	al-/ ala-	ala-	ala-
44a. knee	ebüdüg	ebüdüg	övdög	übdög	öwd ^g	öbdg	öwödök	öwödüg
44b.								
44c.								
44d.								
45a. know	mede-	mede-	med-/ mede-	mede-/	med-/ mede-	mede-	mede-	
45b.		tani-	tanix-	tanix-	taniɣɣ			
46a. leaf	nabčün	nabči/ namči	navč/ napči	namā/ nabša	napči/ namč	namč	nabči	nabci
46b.								
46c.					xamtsn ^B			
47a. lie	kebte-	kebte-	xewte-	xebtexe-	kepte-	kebte-		
47b.								
47c.								
48a. liver	heligen	eligen	eleg	elige	elkn		elege	elig ^e
48b.								
48c.								
49a. long	urtu	urtu	urt	uta	utu / üt ^B	urtu	urtu	
49b.								tomu + big
49c.								
50a. louse	bögesün		bös	böhöŋ	bösn			
50b.	sirke		(širx louse of the cattle)		širkě			
51a. man	ere	ere/ eregtei	er	ere(gtej) + husband	ere	ere		eregt'ē/ eregt'ē k'ün
51b.	gü'ün	kümün	xün	xün	kün/ kümn	kün/ kümn	kun/ kümün	kün
51c.								
52a. many	olon	olan	olon	olon	ol/ oln	olon	olon	
52b.		yekede						
52c.								
53. meat	miqan	miqa	max	myax / myaxan	max/ maxn	max/ maxan	maxa/ maxan	mikan/ maɣa
54a. moon	sara	saran	sar + month	hara/ har	sar + month	sara	sara	xara
54b.								

On Classification of Mongolian

55a. mountain	<i>aġula</i>	<i>ayula</i>	<i>ūl</i>	<i>ūl/ ūla</i>	<i>ūlʰ</i>	<i>oula/ ūl</i>	<i>ūla/ ūl</i>	<i>ōla/ ūla</i>
55b.								
55c.								
56. mouth	<i>aman</i>	<i>ama/ aman</i>	<i>am</i>	<i>aman</i>	<i>amn</i>	<i>aman</i>	<i>ama</i>	<i>ama</i>
57a. name	<i>nerē</i>	<i>nerē</i>	<i>ner</i>	<i>ner</i>	<i>ner/ nern</i>	<i>ner/ nere</i>	<i>nere</i>	<i>nere</i>
57b.			<i>aldar</i>			<i>aldar</i>		
57c.								
58. neck	<i>kūžū 'ün/ gūžū 'ün</i>	<i>kūžūgūn</i>	<i>xūžū</i>	<i>xūžū/ xūžūn</i>	<i>kūžūn</i>	<i>kūžöün</i>	<i>kūžū</i>	<i>kužū/ kužugu</i>
59a. new	<i>šini</i>	<i>sine</i>	<i>šine</i>	<i>šene/ fin</i>	<i>šine</i>	<i>šine</i>	<i>šine</i>	<i>sine/ šin</i>
59b.								
60a. night	<i>söni/ süni</i>	<i>söni</i>	<i>šönö</i>	<i>hüni</i>	<i>sō/ sōn</i>	<i>söni / sü</i>	<i>sönö/ söni</i>	<i>xuni</i>
60b.								
60c.								
61. nose	<i>qabar</i>	<i>qabar</i>	<i>xamar</i>	<i>xamar</i>	<i>xamr</i>	<i>xamr</i>	<i>xamar</i>	<i>xamar</i>
62a. not	<i>ese</i>	<i>ese</i>	<i>es</i>	<i>əs</i>	<i>es</i>	<i>es/ ese</i>		
62b.		<i>bū/ bütügei; bisi + other</i>	<i>biš don`t</i>	<i>beše/ biš/ bū + don`t</i>	<i>biš/ bū</i>	<i>bū/ bū</i>	<i>biši/ bičigel/ bū</i>	<i>bisi/ bū</i>
62c.	<i>ülü</i>	<i>ülü</i>	<i>ül</i>	<i>ül</i>		<i>ül/ ülü</i>		
62d.	<i>ugai/ uge`u</i>	<i>ügei/ ügegüi</i>	<i>ügüi/ ügüj/ ügj</i>	<i>ügüi/ ügi/ dial. übej</i>	<i>uga/ ugä/ ugē (B: not)</i>	<i>uga/ ugä</i>	<i>ügaī/ üg`ī/ üg`ē/ üg`ē</i>	<i>ugui</i>
62e.								
63a. one	<i>niken</i>	<i>nigen</i>	<i>neg</i>	<i>nege/ negen</i>	<i>neg/ negn</i>	<i>nig/ negn</i>	<i>nige/ negen</i>	<i>nige/ negen</i>
63b.								
63c.								
64a. person	<i>gü 'ün/ kü 'ün</i>	<i>kümün</i>	<i>xün</i>	<i>xün/ xün</i>	<i>kün</i>	<i>kümün/ kün</i>	<i>xün/ kümün</i>	<i>kün/ xün</i>
64b.								
64c.								
65a. rain n.	<i>qura</i>	<i>qura</i>	<i>xur</i>	<i>xur</i>	<i>xur</i>	<i>xura</i>		<i>kura</i>
65b.			<i>borō</i>	<i>borō</i>			<i>borōn</i>	<i>borō</i>
65c.								
66a. red	<i>xulān/ xula`an/ hula`an</i>	<i>ulayan</i>	<i>ulān</i>	<i>ulan/ ulān</i>	<i>ulān</i>	<i>ulan</i>	<i>ulān</i>	<i>ulān</i>
66b.								
67a. road	<i>mör</i>	<i>mör</i>	<i>mör + pug, row</i>	<i>mür</i>	<i>mör</i>			<i>mür</i>
67b.	<i>žam</i>		<i>žam</i>	<i>žam</i>	<i>žam</i>	<i>žam</i>		<i>žam</i>
67c.	<i>terge-γür</i>		<i>tergür</i>					
67d.		<i>qarγui</i>	<i>xargui</i>	<i>xargi/ xargui</i>				<i>kargui/ χargui</i>

Michał Schwarz, Václav Blažek

67e.								
67f.					<i>xaaly</i>			
68a. root	<i>hužagur/ xuža'ur/ užawur/ hižauri</i>	<i>ižayur/ užuγur</i>	<i>yožūr/ yožōr (užūr back)</i>	<i>užūr + origin/ root of tooth/ hair</i>	<i>yožūr</i>	<i>izour</i>	<i>ižūr + origin</i>	
68b.	<i>ündüsün/ händusun/ (undus original)</i>	<i>ündüsü(n)</i>	<i>ündes/ ündüsü</i>	<i>undeheñ/ ündehe(n)</i>	<i>ündüsñ/ ündəsñ + beginning</i>		<i>öndös/ ündüsü</i>	
68c.								
68d.								
68e.								
68f.					<i>uŋg^B</i>			
68g.					<i>tüŋg^B</i>			
69a. round	<i>tögörük</i>		<i>dugarig/ tögrök</i>	<i>tüxerēn</i>	<i>tög^rrəg</i>			
69b.	<i>molir</i>				<i>mölr</i>			
69c.								
69d.								
69e.								
69f.		<i>moquliy/ mügülig</i>						
70a. sand	<i>elesün</i>	<i>elesü/ elesün</i>	<i>els</i>	<i>elhe</i>	<i>elsñ</i>		<i>elesu</i>	<i>eleşü</i>
70b.								
70c.								
70d.					<i>χum + dust</i>			
70e.								
70f.					<i>šora^B</i>			
71a. say	<i>ge'e-/ gi-</i>	<i>ge-/ ge-/ game-</i>	<i>ge-</i>	<i>ge-</i>	<i>ge-/ gi-/ gē-/ gī-</i>		<i>ge-</i>	<i>ge-</i>
71b.	<i>ke'e-/ kē-/ kele- + language</i>	<i>kele-</i>	<i>xel- + language</i>	<i>xelexe-</i>	<i>kel-</i>	<i>kel-</i>	<i>kīlē-</i>	
72a. see	<i>üže-</i>	<i>üže-/ üžekü-</i>	<i>üž-/ üže-</i>	<i>užex-/ üžəx-</i>	<i>üž-</i>	<i>üž--</i>	<i>üži-</i>	<i>uže-</i>
72b.			<i>xarax- < xarā sight, eyesight</i>	<i>xarax-</i>	<i>xäl'āχp</i>		<i>xara-</i>	
72c.		<i>siqayə-</i>						
72d.								
73a. seed	<i>hüre</i>	<i>üre</i>	<i>ür</i>	<i>ür</i>	<i>ürñ</i>			
73b.					<i>tox^m + sunflower</i>			

On Classification of Mongolian

73c.								
74. sit	<i>sagu-</i>	<i>sayu-</i>	<i>sū-</i>	<i>sū-/ hū-</i>	<i>sū-</i>	<i>sou-/ sū-</i>	<i>sū-</i>	<i>xō-</i>
75a. skin	<i>arasun</i>	<i>arasun</i>	<i>ars</i>	<i>arha</i>	<i>arsn</i>	<i>ars</i>	<i>arusu</i>	<i>aras</i>
75b.			<i>xalis + bark,</i> <i>membrane</i>	<i>xalixan</i>	<i>körsn</i>			
75c.								
76a. sleep	<i>unta-</i>	<i>unta-</i>	<i>unta-</i>	<i>unta-</i>	<i>untā-</i>		<i>unta-</i>	
76b.			<i>noirsox- <</i> <i>noir sleep</i> <i>(n.)</i>	<i>noirsoxo-</i> <i>< noir</i> <i>sleep (n.)</i>	<i>nōrs²χə</i>	<i>noyirso-</i> : <i>noyir</i> <i>sleep</i>		
77a. small	<i>üčügen/ uču(e) gan/ učüge(n)/ učukan</i>	<i>öčüken/ üčüken/ odqan</i>	<i>öčüxen</i>	<i>(üsö(n) few)</i>	<i>üčükñ/ üci(kḡ)/ ücökñ</i>	<i>üčüken</i>	<i>ečüken/ öčöxön</i>	
77b.				<i>žā</i>			<i>žāxan</i>	
77c.								
77d.								
77e.		<i>baγa</i>	<i>baga +</i> <i>young</i>	<i>baga</i>	<i>bah/ bay^a</i> <i>+ young</i>		<i>baga</i>	<i>baga</i>
77f.		<i>žižig</i>	<i>žižig</i>	<i>žežeg/ žižig</i>	<i>žižig</i>			<i>žižig</i>
77g.								
77h.								
77i.					<i>bičkn^B</i>			
78a. smoke n.	<i>hunin</i>		<i>(uniar fog)</i>	<i>unyār</i>	<i>unār</i>			
78b.	<i>utayan</i>		<i>utā</i>	<i>utān/ utā</i>	<i>utān</i>		<i>utān</i>	<i>ut'ā tōna</i>
78c.								
78d.								
79a. stand	<i>bayi-</i>		<i>bai-</i>	<i>baixa-</i>	<i>bā-</i>			
79b.								
80a. star	<i>hodun</i>	<i>odun</i>	<i>od</i>	<i>odon</i>	<i>odn</i>	<i>ɔdōn</i>	<i>udu</i>	
80b.								
80c.								
81a. stone	<i>čilagun</i>	<i>čilayun</i>	<i>čulū</i>	<i>šulū/ čolū</i>	<i>čolūn</i>	<i>culu/ čiloun</i>	<i>čilū</i>	<i>čilō</i>
81b.								
81c.								
82. sun	<i>naran</i>	<i>naran</i>	<i>nar/ naran</i>	<i>naran</i>	<i>narn</i>	<i>naran</i>	<i>nara</i>	
83a. swim	<i>oyimu- / omba-</i>	<i>omba-</i>	<i>oymo-/ umbax-</i>	<i>umbax-</i>	<i>ōm-</i>			<i>umbaku</i>
83b.								

Michał Schwarz, Václav Blažek

84a. tail	<i>segül / se'ul / sebül / siul</i>	<i>segül</i>	<i>sül</i>	<i>hül</i>	<i>sül</i>	<i>söül</i>	<i>sül</i>	<i>sül</i>
84b.								
85a. that	<i>tere</i>	<i>tegum</i> (< nom. <i>tere</i>)	<i>ter</i>	<i>tere</i>	<i>ter</i>	<i>ter/ tere</i>	<i>ter/ tere</i>	<i>tere</i>
85b.								
86a. this	<i>ene</i>	<i>ene</i>	<i>ene</i>	<i>ene</i>	<i>en / ene</i>	<i>en/ ene</i>	<i>ene</i>	<i>ene</i>
86b.			<i>el + this same, every</i>					
86c.								
87. thou	<i>či</i>	<i>či</i>	<i>či</i>	<i>ši</i>	<i>či</i>	<i>cī/ či</i>	<i>či</i>	<i>ci</i>
88. tongue	<i>kelen</i>	<i>kelen</i>	<i>xel + language</i>	<i>xele/ xelen + language</i>	<i>keln</i>	<i>kele</i>	<i>kele</i>	<i>k'el + language</i>
89. tooth	<i>šidül / šidün</i>	<i>sidün</i>	<i>šüd / šüden / sido</i>	<i>šuden</i>	<i>šüdñ</i>	<i>šüdün</i>	<i>šudu</i>	<i>šidu</i>
90a. tree	<i>modun</i>	<i>modun</i>	<i>mod</i>	<i>modo</i>	<i>modñ</i>	<i>modo</i>	<i>mudu</i>	<i>mod</i>
90b.								
90c.								
91a. two	<i>žirin</i>							
91b.	<i>qoyar</i>	<i>qoyar</i>	<i>xoyor</i>	<i>xoyor</i>	<i>xoyr</i>	<i>xoyr/ xoyor</i>	<i>xoyor/ koyor</i>	<i>koyor/ xoyor</i>
91c.								
91d.								
92a. walk	<i>yabu-</i>	<i>yabu- / yabuqu-</i>	<i>yaw-</i>	<i>yab-</i>	<i>yow-</i>	<i>yabu-</i>	<i>yabu-</i>	<i>yabu-</i>
92b.		<i>eči-/ iči- + step</i>	<i>očix-</i>	<i>ošo-</i>	<i>išk-</i>		<i>iči-</i>	
92c.		<i>od-</i>	<i>odox-</i>		<i>od-</i>			
92d.			<i>alxax- + step</i>	<i>alxax-</i>	<i>alxāχp</i>		<i>alxu-</i>	
93a. warm	<i>dulagan</i>	<i>dulaγan</i>	<i>dulāñ</i>	<i>dulāñ</i>	<i>dulāñ</i>		<i>dulāñ</i>	
93b.		<i>qalaγun</i>	<i>xalūñ</i>	<i>xalūñ/ qalaγun</i>	<i>χalūñ</i>	<i>xalon</i>	<i>xalūñ</i>	
93c.		<i>büligen</i>	<i>bülēñ</i>	<i>bülēñ</i>				
93d.								
93e.								
94. water	<i>usun</i>	<i>usun</i>	<i>us</i>	<i>uha/ uhan</i>	<i>usñ</i>	<i>us/ usñ</i>	<i>usu/ usun</i>	<i>us/ usun</i>
95a. we (incl.)	<i>bida/ ba</i>	<i>bida/ bide</i>	<i>bid</i>	<i>bide</i>	<i>bidə/ bidñ</i>	<i>bid/ bidan</i>	<i>bida</i>	<i>bide</i>
95b. we (excl.)		<i>man</i>	<i>man</i>	<i>man</i>	<i>madñ</i>	<i>maanr/ mani = gen.</i>		<i>manī</i>
96a. what	<i>yagul/ yaγun</i>	<i>yan/ yaγun</i>	<i>yū</i>	<i>yū</i>	<i>yūñ</i>	<i>you/ yū</i>	<i>yū</i>	<i>yē</i>

On Classification of Mongolian

96b.								
97a. white	<i>čaqañ</i>	<i>čayan/</i> <i>čayayan</i>	<i>cagān</i>	<i>sagān</i>	<i>cayān</i>	<i>cayān</i>	<i>čagān</i>	<i>cagān</i>
97b.								
98a. who	<i>ken</i>	<i>ken</i>	<i>xen</i>	<i>xəŋ</i>	<i>ken</i>	<i>ken</i>	<i>ken/ xen</i>	<i>ken</i>
98b.								
98c.								
99a. woman	<i>eme/</i> <i>emege</i>	<i>eme</i>	<i>eme/</i> <i>emegtei</i>	<i>(eme</i> wife)	<i>(eme^B</i> female)	<i>eme</i>	<i>eme</i>	<i>(eme</i> female foal)
99b.								
99c.								
99d.		<i>qatun</i> + wife			<i>(yatn</i> wife)		<i>gaton</i> + wife	
99e.								
99f.				<i>exener^{C,Cy}</i>				
99g.					<i>küükd</i> <i>kün^B</i>			
99h.				<i>gergen^C</i>	<i>(gergn</i> wife)	<i>(gergē</i> wife)		<i>GerGen</i>
100. yellow	<i>šira</i>	<i>sira</i>	<i>šar</i>	<i>šar</i>	<i>šarā</i>	<i>šar</i>	<i>šara</i>	<i>sira/šira</i>

B Basangov, C Castrén, Cy Cydendambaev; bold letters indicate the Written Oirat from the 17th cent.

Section 2	Monguor	Mongghul	Mangghuer	Baoan	Shira Yughur	Dongxiang = Santa	Daghur	Moghul
1a. all	<i>pugilī/</i> <i>pugəli</i>			<i>putuŋ</i>	<i>bögd</i>		<i>buguli'</i> <i>butün</i>	
1b.							<i>xō^I</i>	
1c.			<i>qamu</i>				<i>kamyī/</i> <i>kamgī</i>	
1d.	<i>xana</i>			<i>hanə</i>				<i>g'iddkəne</i> (?)
1e.						<i>niə</i>		
1f.	<i>aləda</i> all, any	<i>ili</i>	<i>ili/ yili</i>		<i>alibā</i> all, any		<i>ələ</i> + any	
1g.						<i>man</i> + any		
1h.					<i>tyen</i>	<i>tcuanbu</i>		
1i.	<i>yigua/</i> <i>yiguagədzi</i> + general, public	<i>yigua</i>	<i>igua</i>	<i>yigua</i>				
1j.								<i>tamōn</i>
1k.								<i>h'ar</i> + every
2a. ashes	<i>funiēze</i>			<i>homsuŋ</i>	<i>henesen</i>	<i>funiesun</i>	<i>xunse^I</i>	<i>unas 'un</i>
2b.								<i>χōkistār</i>
2c.		<i>tāša</i>						
3a. bark		<i>huža</i>						

Michał Schwarz, Václav Blažek

3ba.	<i>xaliʒə/ xalsə</i>				<i>xaləsən</i> (/ <i>mūdənə</i> <i>xalsən</i>)		<i>xalis</i> (/ <i>mōdəi</i> <i>kolmos</i>)	
3bb.							<i>koltus</i> (/ <i>mōdī</i> <i>koltus</i>)	
3c.								
3d.		<i>cdzo:si</i> <i>rasi/ cdzo:si</i> <i>xaldzi</i>		<i>arsoŋ</i> + membrane, shell (/ <i>cu-arsoŋ</i> < Chin. <i>shu</i> tree + Mong.)			<i>arasun</i> (/ <i>mutun-</i> <i>arasun</i>)	
4a. belly	<i>kēlie</i>	<i>kīlal kēla</i>		<i>kele</i>			<i>kieli</i>	<i>kēli</i> ¹
4b.	<i>gedese</i> + stomach	<i>gudzie</i> + stomach	<i>gydesl</i>	<i>gadzisoŋ</i>	<i>gedesun</i> + stomach	<i>kižiesun</i>	<i>gūžē</i> ¹ + stomach	<i>gesal</i>
5. big	<i>šge</i>	<i>šge</i>	<i>šguo/ šgo</i>	<i>fguo</i>	<i>šge/ škel ike</i>	<i>fugie</i>	<i>xig(e)</i> ¹	<i>ikà/ ekà</i>
6a. bird	<i>šū</i>	<i>šū</i>	<i>šibu</i>	<i>caji</i>	<i>šowun/</i> <i>šibaŋun</i>		<i>šoyō</i>	
6b.				<i>benžer</i>		<i>bundzu</i>		
6c.							<i>dəyi</i>	
6d.								<i>murɣ</i> + fowl
7a. bite	<i>gaža-</i>	<i>ghaža-</i>			<i>gaža-</i>	<i>gadza</i>	<i>xāž-</i>	
7b.	<i>žii-/ žū-</i>	<i>žao-</i>		<i>dzu-</i>	<i>žū-</i>	<i>žao-</i>	<i>žau</i> ⁻¹	<i>džōinā</i> he bites
7c.				<i>kamel-</i>	<i>kemle-</i>		(<i>keme</i> - ¹ chew)	
7d.								<i>ugu-</i> <i>kara</i>
8. black	<i>xara</i>	<i>xara</i>	<i>kara/ qar</i>	<i>xera</i>	<i>xara/ kara</i>	<i>kara/ qara</i>	<i>xar</i>	<i>čusun/</i> <i>čis</i> ¹ <i>u</i>
9. blood	<i>čus/ čise</i>	<i>čisə</i>	<i>chuzi</i>	<i>čisuŋ</i>	<i>čusun/</i> <i>čisun</i>	<i>čusun</i>	<i>čos</i>	<i>čusun/</i> <i>čis</i> ¹ <i>u</i>
10. bone	<i>yāse</i>	<i>yesə/ yasī</i>	<i>yigsl</i>	<i>yasuŋ</i>	<i>yasən</i>	<i>yasun</i>	<i>yas</i>	<i>yōsun</i>
11a. breast	<i>kuguo</i>	<i>kugua</i>	<i>kugo</i>	<i>kugo/ kuko</i> + nipples	<i>hgōn</i> + nipples	<i>gogo</i> + nipples		<i>kōkà</i>
11b.							<i>mək/ mekē</i> + nipples	
11c.				<i>mełə ɕaŋ</i>		<i>məliə</i>		
11d.				<i>ebɕoŋ</i>	<i>pčun/</i> <i>ebčigün</i>	<i>ətšən</i>	<i>ərcū</i> ¹	<i>ebčün</i>
11e.	<i>wer/ ur</i>			<i>vər</i>	<i>wər</i>		<i>əur</i>	
11f.	<i>dəlaŋ</i>		<i>deleŋ</i> + udder		<i>deleŋ</i>			
11g.	<i>čidzan</i>			<i>dzičij</i>	<i>ɕiɕ</i>			<i>čeiži</i>
12a. burn	<i>t'uliē-/ tulē-</i>			<i>tulie-; darə-</i>	<i>telē-</i>	<i>tulie-</i>	<i>tulu-</i>	<i>dur-</i>
12b.	<i>šdā-</i>	<i>širā-/ šdā-</i>			<i>fəda-</i>	<i>čudəra-</i> + catch fire, grab		
12c.	<i>ngurē-</i> catch fire, grab						<i>ničōgu</i> + catch fire, grab	
12d.	<i>galda</i> < <i>gal</i> fire			<i>χal ti-</i> < <i>χal</i> fire	<i>gal nalga</i> < <i>gal</i> fire	<i>qan tai/</i> <i>qanda</i> < <i>qan</i> fire		
13a. claw	<i>č'imuzə</i>		<i>čimpədzl</i>	<i>gomusun</i>	<i>xəməsən</i>	<i>gimusun</i>	<i>kimč</i>	

On Classification of Mongolian

13b.									
13c.									<i>čəŋ'ul</i>
14a. cloud	<i>ulin/ ulon</i>	<i>ulon</i>	<i>ulin</i>	<i>ōloŋ/ ōluŋ</i>		<i>olien</i>	<i>əulen</i>		
14b.				<i>moke</i>					
14c.						<i>buled</i>			
14d.									<i>abr</i>
15a. cold	<i>kūiten/ kūidiän</i>	<i>kūiten/ kuidan</i>	<i>kūiten</i>	<i>kitaŋ</i>	<i>kūiten</i>	<i>kuičien</i>	<i>kūitun/ kūitun</i>		
15b.									
15c.	<i>sarən + frosty, chilly</i>					<i>sörö.n/ sörün + frosty, chilly</i>			
15d.									<i>jāχ</i>
15e.									<i>xun'ug</i>
16. come	<i>re-/ ire-</i>	<i>re-/ ire-/ ra-</i>	<i>ri-/ re-</i>	<i>rə-</i>	<i>ere-/ ire-</i>	<i>ire-</i>	<i>ir-</i>	<i>ira-</i>	
17. die	<i>fugu-</i>	<i>fugu-/ xugu-</i>		<i>gu-/ fgu-</i>	<i>hgu-</i>	<i>fugu-</i>	<i>ugu-</i>	<i>uku-</i>	
18. dog	<i>noxuē/ noxui</i>	<i>nohui</i>	<i>nughuai/ nokoi</i>	<i>noγoi/ noγui</i>	<i>noqoi/ noxoi</i>	<i>noγei</i>	<i>nogw</i>	<i>nokai/ noqai</i>	
19. drink	<i>ū-</i>	<i>učī-</i>	<i>u-</i>	<i>u-/ ū-</i>	<i>ū-</i>	<i>oči-</i>	<i>ō-</i>	<i>otfi-</i>	
20aa. dry	<i>(xō- devenir sec, tarir)</i>				<i>xūrā</i>		<i>xwārī/ xuārī/ xuare</i>		
20ab.	<i>xōsen/ xūsən</i>	<i>xusin/ xōsin</i>		<i>xosuŋ/ xo</i>	<i>xū-</i>	<i>qosum/ qosu- / go-</i>	<i>xua-</i>	<i>qos'un</i>	
20b.									
21. ear	<i>čigi</i>	<i>čigi</i>	<i>čigi</i>	<i>čixaŋ</i>	<i>čikan/ čkən</i>	<i>čighin</i>	<i>čikj</i>	<i>ceqin/ čikin</i>	
22a. earth	<i>gažār/ gažir</i>		<i>gadzar</i>	<i>ğažir</i>	<i>gažar + soil</i>	<i>ğaža + soil</i>	<i>gažir</i>	<i>γažar</i>	
22b.	<i>širū</i>	<i>širū</i>		<i>širou</i>	<i>šerū</i>	<i>šeural</i>	<i>širō</i>		
22c.					<i>köre</i>				
22d.								<i>χoq + sand, dust</i>	
23. eat	<i>ide-/ idie-</i>	<i>ide-</i>	<i>ide-</i>	<i>nda-/ ndi-</i>	<i>ede-</i>	<i>ižie-</i>	<i>id-</i>	<i>ida- + drink</i>	
24a. egg	<i>ndige</i>	<i>dige/ ndəge</i>	<i>ændigə</i>	<i>endegi</i>		<i>endeγi</i>	<i>endugw</i>	<i>ündäγön</i>	
24b.					<i>balal palá</i>				
25a. eye	<i>nudu</i>	<i>nudu/ nudi</i>	<i>nudu</i>	<i>neduŋ/ nodoŋ</i>	<i>nudun</i>	<i>nudun</i>	<i>nid</i>	<i>nudu</i>	
25b.								<i>čəšm <</i>	
26a. fat n.	<i>tōze/ tōsə + oil</i>	<i>tōse</i>	<i>tose</i>	<i>tosoy/ tōsöŋ</i>	<i>tusen/ tūsən + oil</i>	<i>tosun/ dosun + oil</i>	<i>tos/ tosu + oil</i>	<i>tusun</i>	
26b.	<i>ōku</i>	<i>ōku/ fōgi</i>	<i>ōko</i>	<i>gum</i>	<i>ūkön/ ükün</i>	<i>fugun</i>	<i>eug</i>		
26c.		<i>targhun</i>				<i>taghun + oil</i>			
27a. feather	<i>fōde/ fōdi</i>	<i>fōdā/ fōdi</i>	<i>uŋgoasl</i>	<i>hotuŋ/ hotoŋ</i>	<i>hoden</i>	<i>xodun</i>	<i>xudusu/ üdüs</i>		
27b.								<i>osor</i>	
27c.								<i>par</i>	
28. fire	<i>gar</i>	<i>ghal/ γal</i>	<i>ghar</i>	<i>xal</i>	<i>gal</i>	<i>qan</i>	<i>galil/ galj</i>	<i>ghal/ γal</i>	
29a. fish	<i>žagase</i>	<i>žighasi</i>		<i>žilyasuŋ</i>	<i>žayasen</i>	<i>žayasun</i>	<i>žaus</i>		
29b.								<i>mōl</i>	
30a. fly v.	<i>niese-</i>	<i>nasi-</i>	<i>mese-</i>	<i>musi-</i>	<i>xunes-</i>	<i>musi-</i>			

Michał Schwarz, Václav Blažek

30b.							derd-	
31. foot	kuor	kua/ kol	khuer/ kor	kual	kōl	kon	kul/ kulj	kol/ kōl
32a. full	dīūri-	diurə		deger-/ derge-	dūr-	duru-	dūru-	
32b.								
33. give	uǰū-	ughu-/ ugu-	hu-/ uǰū-	oke-	og-	ogi-	ūǰ-/ ūk-	ǰg-
34a. good	sain	sain/ sīn	(cæn bainu)	saŋ	sain	sain	sain	sōin + correct
34b.			geʒai					
34c.								xub/ ǰōb + right
34d.								'adil + right
35a. green	noǰōn	nughūn	noǰoŋ	noǰoŋ	noyan	noyon	nugā	
35b.	kuguo + blue			kugo/ kuko + blue	hkō + blue	kugie + blue	kukw/ kuke + blue	koka + blue
36a. hair	fuʒə/ sʒe	sʒe-		suŋ	həsun	usun	xus/ ūsū	ūsūn
36b.						guʒasun		qilʒasun + horsehair
36c.							xeke = 38c.	
36d.		rawa						
37. hand	ǰar	ghar/ gar	ǰar	xar/ ka	gar	qal/ khar	ǰar	kar/ ghar
38a. head				teruŋ		čiaorun		
38b.	tolǰuē/ torǰuē + peak, summit	tolǰhuai	torǰui + summit, peak		tologyui/ tologoi			
38c.							ekil/ xeki = 36c.	eki
38d.				ŋgo < Tib.				
39a. hear	sunos-	sunišida				sonosu-	sons-/ sonos-	sonos-/ sonu-
39b.	čijla	sinerde	tʒəŋle-	čianle-	tʒigəntal-	čenie-		(ceqi.l-/ čiq 'in bəri- < čiq 'in ear)
40. heart	žierge	žirgha	žirge	žirge	žürgen	žurę	žurug	žürkā
41a. horn	uyer	wer		uer	wer	ewe	xeur	
41b.								šōǰ
42. I	bu	bu/ bi	bi	bə	be/ bi/ bu	bi	be/ bi	bi/ biāa
43. kill	ala-	ala-	ala-	ala-	ala-	ala-	al-/ ala-	ola-
44a. knee	udiǰ/ wedeǰ	yedeǰ/ idag		ebdeg	wədəǰ/ iüwüdük	odeu		unduk
44b.							twalčig	
44c.								šōno
44d.		šighai						
45a. know	mude-/ mudie-	mude-/ mide-	mede-/ mide-	made-/ mede-	mede-	meižie-	med-/ mede-	mida-
45b.	tani-/ tanə-		tani-	tani-	tani-	tani-	tani-	təni-

On Classification of Mongolian

46a. leaf	<i>labšži/ labči/</i>	<i>labži/ labši</i>		<i>labčij</i>	<i>labžag/ lapčik</i>	<i>lačin</i>	<i>labč/ larč</i>	<i>nōm</i>
46b.		<i>loma</i>						
47a. lie	<i>k'idiē-/ kidē-</i>	<i>kī-/ kīdē-</i> + „lie down“				<i>kižie-</i>	<i>kart-/ kebt-</i>	
47b.					<i>nā-</i>			
47c.				<i>zhow(?)</i>				
48a. liver	<i>xelge/ xaliege</i>	<i>čilge</i>		<i>xelge</i>	<i>xelegen</i>		<i>xelge</i>	<i>elkán</i>
48b.						<i>ganzi</i>		
48c.								<i>žijār</i> <i>urtu +</i> distant, big
49a. long	<i>fudur</i>	<i>shudu/ šdur</i>		<i>fude/ fute</i>	<i>rde</i>	<i>fudu</i>	<i>orto</i>	
49b.								
49c.								<i>bel'and</i>
50a. louse	<i>bōsə</i>	<i>bōsə/ bōsi</i>		<i>bosuŋ/ bosonj</i>	<i>būsən</i>	<i>bosun</i>	<i>būs/ buōs</i>	<i>bus' u</i>
50b.								
51a. man	<i>rē</i>			<i>ere + husband</i>	<i>ere</i>	<i>ere + husband</i>	<i>er + husband</i>	
51b.	<i>kun</i>	<i>kun</i>	<i>kuj</i>	<i>kuj</i>	<i>kün</i>	<i>kun</i>	<i>xū-</i>	
51c.								<i>adam(i)</i>
52a. many	<i>ulon/ oluon</i>	<i>ulan</i>	<i>oloy/ ulaj</i>	<i>oloy</i>	<i>olon</i>	<i>olon</i>	<i>walan</i>	
52b.								<i>ekada/ jékada</i>
52c.								<i>xīl(i)</i>
53. meat	<i>maxa</i>	<i>maha/ maxa</i>	<i>maka</i>	<i>meǵa</i>	<i>maxan/ maggqan</i>	<i>miya</i>	<i>miag</i>	<i>miqōn</i>
54a. moon	<i>sara/ (sar month)</i>	<i>osara/ sara</i>	<i>sara</i>	<i>sare + month</i>	<i>sara</i>	<i>sara + month</i>	<i>sarūl/ sarōl/ (sar month)</i>	
54b.								<i>caqel</i>
54c.								<i>mō</i>
55a. mountain	<i>ula</i>	<i>ula/ la</i>	<i>ula</i>	<i>ūla</i>	<i>ūla</i>	<i>ula</i>	<i>aul</i>	<i>aula</i>
55b.				<i>hi</i>				
55c.		<i>san</i>						
56. mouth	<i>ama</i>	<i>ama/ āma</i>		<i>aman</i>	<i>aman</i>	<i>aman</i>	<i>am</i>	<i>aman</i>
57a. name	<i>niere/ nere</i>	<i>nara/ nera</i>	<i>nere</i>	<i>nare</i>	<i>nere</i>	<i>niere</i>	<i>ner</i>	<i>nera</i>
57b.							<i>aldər</i>	
57c.								<i>nam/ nōm</i>
58. neck	<i>guži</i>	<i>kuži</i>	<i>kuži</i>	<i>gužuŋ</i>	<i>gužūn</i>	<i>ǵužun</i>	<i>kužū/ xužū</i>	<i>kužūn/ küžūn</i>
59a. new	<i>šeni</i>	<i>šini</i>	<i>šeni</i>	<i>šine</i>	<i>šene</i>	<i>šini</i>	<i>šinken</i>	
59b.								<i>nau</i>
60a. night	<i>soni</i>	<i>suan/ suani</i>	<i>soni</i> (šuloj evening)	<i>sone</i>	<i>sōnə</i>	<i>šieni</i>	<i>sumi</i>	<i>suni/ sōni</i>
60b.	<i>sulōj/ šuloj</i>	<i>šilon/ čilaj</i>						
60c.								<i>beg'ə</i>

Michał Schwarz, Václav Blažek

61. nose	<i>xawar</i>	<i>xawar</i>	<i>kabar</i>	<i>xor/ xawar</i>	<i>xawar/ qawar</i>	<i>qawa</i>	<i>xamer/ xamar</i>	<i>kabr/ kabar</i>
62a. not	<i>se/ sī</i>		<i>sai/ se</i>	<i>se</i>		<i>ese</i>	<i>əs</i>	<i>sa/ se</i>
62b.	<i>buši + other/ bī don't</i>	<i>pišža/ bī</i>	<i>bu</i>		<i>puši/ putə don't</i>	<i>bu/ puši + other</i>	<i>bišin/ bū don't</i>	<i>bi/ biši</i>
62c.	<i>li/ ulū</i>	<i>lī/ ī</i>	<i>lai/ li</i>	<i>le</i>	<i>le/ li</i>	<i>ulie</i>	<i>ul/ ulu</i>	<i>ul/ ulah</i>
62d.	<i>uguī/ ugwī/ gwī</i>	<i>gui/ gua</i>	<i>uguo</i>	<i>gi/ gi</i>	<i>uγui</i>	<i>ui</i>	<i>uwəi/ uwei/ uej</i>	<i>gai/ ugei/ ügei/ gei</i>
62e.								<i>la-</i>
63a. one	<i>nige</i>	<i>nige</i>	<i>nige</i>	<i>nəgə</i>	<i>niye/ nege</i>	<i>nie</i>	<i>nek</i>	<i>nika</i>
63b.								<i>yak</i>
63c.		<i>yī/ yi</i>	<i>yige</i>					
64a. person	<i>kun</i>	<i>kun</i>	<i>koy/ kuŋ</i>	<i>kuŋ</i>	<i>kun/ kūn</i>	<i>kun</i>	<i>xū/ xun</i>	
64b.								<i>adam(i)</i>
64c.								<i>naʃ'ar</i>
65a. rain n.	<i>xurā</i>	<i>xura</i>	<i>kura</i>	<i>gura</i>	<i>xura</i>	<i>gura</i>	<i>xwar</i>	
65b.	<i>burōn</i>				<i>boro/ boron</i>			<i>bəɾən</i>
65c.								<i>bariʃ</i>
66a. red	<i>fulān</i>	<i>fulān</i>	<i>xulan</i>	<i>fulaŋ/ felaŋ</i>	<i>lān</i>	<i>xulan</i>	<i>ulān/ xulān/ hulān</i>	<i>uln/ ulan/ ulōn</i>
66b.								<i>həmr'ɔ</i>
67a. road	<i>mōr</i>	<i>mōr</i>	<i>mor</i>	<i>mor</i>	<i>mōr/ mōr</i>	<i>mo</i>		<i>mor/ mūr</i>
67b.								
67c.		<i>dzaɫɔi</i> path					<i>tergul</i>	
67d.								
67e.								<i>saʃar</i>
68a. root	<i>sʒaur/ sʒūr/ sʒūr/ sʒūr/ šiʒūr</i>	<i>šiʒū/ ɕdzūr</i>		<i>oʒor/ ʒapo</i>	<i>horūr/ dzūr</i>		<i>xoʒōr/ xoʒōr + origin/ hoʒore</i>	
68b.						<i>undusun</i>	<i>undus</i>	
68c.					<i>yeldes</i>			
68d.						<i>gənzi</i>		
68e.								<i>biɣ + beginning</i>
69a. round					<i>tögörög</i>		<i>tukurin</i>	
69b.								
69c.						<i>lolo</i>		
69d.						<i>janni</i>		
69e.				<i>gosgor</i>				
69f.	<i>monguloğ</i>	<i>mongulo/ mogolū</i>						
70a. sand							<i>eler</i>	
70b.	<i>šaše</i>	<i>šaši/ ɕaɕi</i>		<i>ɕaɕi</i>		<i>šaʒi</i>		
70c.							<i>širtal</i>	
70d.	<i>xumog</i>				<i>kumak</i>			

On Classification of Mongolian

70e.								<i>x'og + dust, earth</i>
71a. say	<i>gi-</i>		<i>ge-</i>	<i>ge-</i>	<i>gi-/ largi-</i>		<i>gel-</i> (<i>geži</i> quotation particle)	<i>ga-/ ge-</i>
71b.	<i>kīlie- + language</i>	<i>kile-</i>	<i>kele-</i>	<i>kele-/ kil-</i>	<i>kele-</i>	<i>kielie-</i>	<i>el-</i>	<i>kel/-/ kele-</i>
72a. sec	<i>uže-</i>	<i>uže-</i>	<i>uže-</i>	<i>uže-/ užeie-</i>	<i>eže-</i>	<i>uže-</i>	<i>už-</i>	<i>uže-</i>
72b.	<i>xarə-</i>						<i>xar-</i>	<i>karana</i> he sees
72c.	<i>sge-</i>	<i>sige-/ sge-</i>						
72d.					<i>xalda-</i>			
73a. seed	<i>furē/ furiē</i>	<i>furī/ furē</i>	<i>xurie/ hura</i>	<i>fure</i>	<i>hure</i>	<i>furə</i>	<i>xur</i>	
73b.								<i>tuγōm + sunflower seed</i>
73c.								<i>dōna</i>
74. sit	<i>sū-/ sau-</i>	<i>sau-/ sū-</i>	<i>sao-/ sau-</i>	<i>seu-/ sū-</i>	<i>sū-</i>	<i>sao-</i>	<i>sau-</i>	<i>sov-</i>
75a. skin	<i>arase</i>	<i>arasi/ ars</i>	<i>arase</i>	<i>arsuŋ</i>	<i>arsen</i>	<i>arasun</i>	<i>ars</i>	<i>arōsun</i>
75b.	<i>xalsə + bark, membrane</i>				<i>χaləsan gadar + bark, membrane</i>		<i>xalis + bark, membrane</i>	
75c.								<i>čānčimā</i>
76a. sleep	<i>ntā-/ nterā- nōr kurə < nōr sleep (n.)</i>	<i>ntera-/ nčā- nōri- (nōr nčā-)</i>	<i>nta-/ ntā-</i>	<i>tera-</i>	<i>nda- nürsa- < nūr sleep (n.)</i>	<i>huntura-</i>	<i>want- noir olgu- < noir sleep (n.)</i>	<i>nuntana</i>
77a. small	<i>čōgōn</i>		<i>tšuaŋ + few</i>				<i>učēkeŋ</i>	
77b.				<i>žigaŋ</i>		<i>(gəudziŋan)</i>		
77c.								<i>kiŋjikʌ/ utqōn + short</i>
77d.	<i>mulā/ mlā</i>	<i>mulā/ mlā</i>	<i>mulā</i>			<i>meila</i>		
77e.					<i>baga + young</i>			
77f.								
77g.	<i>nargai</i>				<i>nariđi</i>		<i>narēkan</i>	
77h.					<i>hdī/ atej</i>			
78a. smoke n.	<i>funi</i>	<i>funə/ funi</i>	<i>xuni</i>	<i>fune</i>		<i>funi</i>	<i>xoni</i>	
78b.					<i>xdā/ htā</i>			
78c.	<i>smuko</i>	<i>semagua + fog</i>						
78d.								<i>dūt</i>
79a. stand	<i>bai-</i>			<i>wi-/ bi-</i>	<i>bai-</i>	<i>wai-/ bai-</i>	<i>bai-</i>	
79b.	<i>bosə-/ posə-</i>	<i>pəs-/ bos-</i>	<i>bosl-</i>		<i>poso- hoden/ xodon</i>	<i>bəs-</i>	<i>bos-</i>	
80a. star	<i>fōdi</i>	<i>fōdi</i>	<i>xotu</i>	<i>hotuŋ/ xodon</i>	<i>hoden/ xodon</i>	<i>xodun</i>	<i>od/ xod</i>	
80b.								<i>istōra</i>
80c.		<i>šinšiū</i>						

Michał Schwarz, Václav Blažek

81a. stone					čelū		čolō	
81b.	<i>taš</i>	<i>taš/ taci < Salar</i>	<i>taš</i>	<i>taše/ taši</i>		<i>taši</i>		
81c.								<i>kuri</i>
82. sun	<i>nara</i>	<i>nara</i>	<i>nara</i>	<i>nara/ naran</i>	<i>nara/ naran</i>	<i>naran</i>	<i>nar</i>	<i>naran</i>
83a. swim	<i>umbu-/ xumbā-</i>	<i>xumba-/ mbā-</i>	<i>umba-</i>	<i>mba-</i>	<i>mba-/ umba-</i>	<i>unba-</i>	<i>umpā-/ xompā-</i>	(<i>umb'əm sich waschend</i>)
83b.		<i>dzofi-/ dzō-</i>						
84a. tail	<i>sūr</i>	<i>sū/ sūl</i>		<i>šienčix</i>	<i>sūl</i>	<i>šien/ šian</i>	<i>seulj</i>	<i>sōul/ sōül/ sul</i>
84b.								<i>d'umbi</i>
85a. that	<i>te/ t'ie</i>	<i>te</i>	<i>ti/ te</i>	<i>ter</i>	<i>tere</i>	<i>tere</i>	<i>ter</i>	<i>te</i>
85b.								<i>kī</i>
86a. this	<i>ne/ nie</i>	<i>ne/ na</i>	<i>ne/ ni</i>	<i>ene</i>	<i>ene</i>	<i>ene</i>	<i>en/ ene</i>	<i>enā</i>
86b.	<i>alə + this same, every</i>				<i>alə + this same, every</i>			
86c.								<i>'in</i>
87. thou	<i>čil' če</i>	<i>či</i>	<i>či</i>	<i>čil' če</i>	<i>čil' če</i>	<i>čē</i>	<i>šī</i>	<i>čil' či</i>
88. tongue	<i>kilie/ kələ</i>	<i>kile/ kila</i>		<i>kalaŋ</i>	<i>kelen</i>	<i>kielien</i>	<i>xəl/ keli + language</i>	<i>kelān</i>
89. tooth	<i>šdi</i>	<i>šdi</i>	<i>šudu</i>	<i>duj/ šduj</i>	<i>šden</i>	<i>šidun</i>	<i>sidū</i>	<i>sudu</i>
90a. tree	<i>mōdi</i>	<i>mōdi</i>	<i>motu</i>	<i>mutonj</i>	<i>mūdān</i>	<i>mutun</i>	<i>mōd</i>	<i>mudun</i>
90b.	<i>ššiože</i>	<i>cdžōši</i>		<i>ciu</i>				
90c.								<i>daraxi/ darašt</i>
91a. two							<i>žūr/ žūrū</i>	
91b.	<i>gōr</i>	<i>gōr/ ghōr</i>	<i>gor</i>	<i>gvar</i>	<i>xoyor/ gūr</i>	<i>gva</i>	<i>xoir/ xoyir</i>	<i>koyōr/ koyar</i>
91c.								<i>d'u</i>
91d.		<i>liāŋ</i>	<i>liāŋge</i>					
92a. walk/ go	<i>yū-</i>	<i>yau-</i>	<i>yao-/ yau-</i>	<i>yu-/ yau-</i>	<i>yawe-</i>	<i>yawu-</i>	<i>yau-/ yawu-</i>	<i>yəbu-</i>
92b.	<i>šži-/ gišgi- + step</i>	<i>či-</i>	<i>šži-</i>	<i>šže-/ giš- + step</i>		<i>eči-</i>	<i>či-</i>	<i>oči-</i>
92c.				<i>ode-</i>	<i>(o)d-</i>			
92d.	<i>xalgula- + step</i>		<i>xi-</i>	<i>halgolə- + step</i>	<i>hani-/ algə- + step</i>	<i>hanku- + step</i>	<i>alkugu- + step</i>	
93a. warm					<i>dulān</i>		<i>dulān</i>	
93b.	<i>xalunj</i>	<i>xalaŋ</i>	<i>kalonj/ qaləŋ</i>	<i>χolonj</i>	<i>xalūn</i>	<i>kalun</i>	<i>xalun</i>	<i>qəl'əŋ</i>
93c.	<i>bulen</i>			<i>bəlgaŋ</i>	<i>bələmbər</i>		<i>bulun</i>	
93d.						<i>luanxo</i>		
93e.								<i>dardōr</i>
94. water	<i>fužu/ sžu</i>	<i>sžu/ sžun</i>	<i>sžu</i>	<i>sū/ se</i>	<i>qusun/ xsun</i>	<i>usu</i>	<i>os</i>	<i>usu/ usun</i>
95a. we (incl.)	<i>buda</i>	<i>buda/ bida</i>	<i>buda(se)</i>	<i>bede</i>	<i>buda</i>	<i>bižien</i>	<i>bed</i>	<i>bida</i>
95b. we (excl.)	<i>ndā</i>			<i>man</i>	<i>mena</i>	<i>matan</i>	<i>mān (nom. bā)</i>	<i>mani / moni = gen. yān</i>
96a. what	<i>yān</i>	<i>yā</i>	<i>ya</i>	<i>yaŋ</i>	<i>ima</i>	<i>yan</i>	<i>yō</i>	<i>yān</i>
96b.							<i>alkā</i>	
97a. white	<i>čagān/ čigān</i>	<i>čighān</i>	<i>čigān</i>	<i>čixaŋ</i>	<i>čayān</i>	<i>čigān</i>	<i>čigān</i>	<i>čayā(n)</i>

On Classification of Mongolian

97b.								<i>səf'id</i>
98a. who	<i>ken</i>	<i>ken</i>	<i>kan</i>	<i>kaŋ</i>	<i>ken</i>	<i>kien</i>	<i>xən</i>	<i>ken</i>
98b.							<i>anin/ anin</i>	
98c.								<i>kje</i>
99a. woman	<i>imu</i>			<i>eme</i>	<i>eme/ female</i>	<i>eme</i>	<i>emguŋ</i> + wife	
99b.	<i>nəne/ nəne</i> <i>kun</i>	<i>nieniekun</i>		<i>(nəne old</i> woman)		<i>(nieniegie</i> old woman)		
99c.					<i>pusəγui</i> female/ <i>(pesē</i> belt/ <i>eme</i> <i>pusəγui)</i>			
99d.				<i>xutuŋ kun</i>	<i>(gaton</i> wife)		<i>(katun</i> wife)	<i>xatun</i>
99e.								<i>zayf'a</i> + wife
100. yellow	<i>šira</i>	<i>šira</i>	<i>šira</i>	<i>šira</i>	<i>šera</i>	<i>šira</i>	<i>šar</i>	<i>šira</i>

Etymological Comments

1a. **all** - **bü-* / **bui-*. 1b. - **kou* / **koβ*. 1c. - **kana?* 1d. - . 1e. - . 1f. - . 1g. - . 1h. < Chin. *quan/ quanbu*. 1i. < Chin./ Tib.? 1j. < Pers. *tamān*. 1k. < Pers. *har*.

2a. **ashes** - **qūnesün*. 2b. < Pers. *χākistar*. 2c. - .

3a. **bark** - **kaγu-da-sun*. 3ba. - **koli-sun*, **kolta-sun* + „slivers“. 3bb. - . 3c. - **körüsün*. 3d. < Chin. *shuzi* „tree“ + Mong. *arase / xalis*. 3e. - cf. WMong. *durusun* „bark, shell“.

4a. **belly** - **keweli*. 4b. - .

5. **big** - **yike* / **yeke* / **šike*.

6a. **bird** - **sibayun*. 6b. - . 6c. < Evenki *degi*, Solon *degii*, Negidal *degii*. 6d. < Pers. *mury*.

7a. **bite** - **kaža-* / **kažu-*. 7b. - **žayu-*. 7c. - **kemeli-* „bite, champ“. 7d. - .

8. **black** - **kara*.

9. **blood** - **či-sun*.

10. **bone** - **ya-sun*.

11a. **breast** - **kökün* / **köken* „breast (of woman)“. 11b. - **meke* „breast of woman; to suck“. 11c. - . 11d. - . 11e. - . 11f. - . 11g. - .

12a. **burn** - **tüle-* „burn, pain“. 12b. - . 12c. - . 12d. - .

13a. **claw** - **kimusun*. 13b. - . 13c. < Pers. *čangāl*.

14a. **cloud** - **eyülen*. 14b. < Tib. 14c. < Turk.: *Šira Uyg*. 14d. < Pers. *abr*.

15a. **cold** - **küyi-ten*. 15b. - . 15c. - . 15d. < Pers. *jaχ*. 15e. < Pers. *χunuk*.

16. **come** - **ire-*.

17. **die** - **ükü-*.

18. **dog** - **nokaj*.

19. **drink** - **uγu-*.

20aa. **dry** - **kawur* / **kuwar*. 20ab. - **quγa(r)-sun* / **kuwa(r)-sun* „dry, empty“. 20b. < Chin. *gan*.

21. **ear** - *čikin / *čiqin .
- 22a. **earth** - *gažar. 22b. *sirayu / *siruyaj. 22c. - . 22d. < Pers. χāk „earth, dust“.
23. **eat** - *ide-.
- 24a. **egg** - *ömdegen. 24b. - *bala?
- 25a. **eye** - *nidün. 25b. < Pers. čašm.
- 26a. **fat** n. - . 26b. - *eyü-kün, *üye-kün. 26c. - .
- 27a. **feather** - *födün. 27b. - . 27c. < Pers. par.
28. **fire** - *gal.
- 29a. **fish** - *žiga-sun. 29b. < Pers. mōhī.
- 30a. **fly** v. *nis-/ *funis-. 30b. *deye(re) „fly“ + „up“.
31. **foot** - *köl.
- 32a. **full** - *diüyüren. 32b. - .
33. **give** - *ök-/ *ög-.
- 34a. **good** - *sayin/ *sayin „good, right, healthy“ . 34b. - . 34c. < Pers. χüb „good, right“.
- 34d. - Arab. ’ādil.
- 35a. **green** - *nogo-γan. 35b. - .
- 36a. **hair** - *φüsün. 36b. - *qilyasun + „horsehair“ . 36c. - . 36d. < Writ. Tib. ral-pa.
37. **hand** - *gar.
- 38a. **head** - *teriyün (Preclas. Mong.: terigün „head, beginning“). 38b. - *tolugai + „beginning“ . 38c. - *feki. 38d. - .
- 39a. **hear** - *sonos-/ *sonas-. 39b. - .
40. **heart** - *žürüken.
- 41a. **horn** - *eber. 41b. < Pers šāχ.
42. **I** - *bi.
43. **kill** - *ala-.
- 44a. **knee** - *ebüdüg. 44b. - *tuγa-lčik. 44c. < Pers. zānu. 44d. < Chin. xigai.
- 45a. **know** - *mede-. 45b. - .
- 46a. **leaf** - *labčün / *nabaya / *nabtī. 46b. < Tib. 46c. - cf. Ramstedt 1935, 165: *qamtayasun : WMong. qamsiiγsan „flat“.
- 47a. **lie** - *kebte- . 47b. - *una- (only in Šira Yughur = „lie“, otherwise „fall“). 47c. - .
- 48a. **liver** - *φeligen/ *χeleke. 48b. < Chin. ganzī. 48c. < Pers. žigar.
- 49a. **long** - *ur-tu. 49b. - cf. WMong. toγumay „large, fat; proud, haughty“ . 49c. < Pers. buland „high“.
- 50a. **louse** - *böyesün. 50b. - *sirke.
- 51a. **man** - *ere. 51b. - *küβün / *kümün. 51c. < Pers. < Arab. ādam.
- 52a. **many** - *olon / *olan. 52b. - yekede. 52c. < Pers. χeīlī.
53. **meat** - *mikan / *makan.
- 54a. **moon** - *sara(n). 54b. - . 54c. < Pers. māh.
- 55a. **mountain** - *aγula. 55b. - *φoi „forest, mountain“ . 55c. < Chin. shan.
56. **mouth** - *aman.
- 57a. **name** - *nere. 57b. - . 57c. < Pers. nām, Tajik nōm.
58. **neck** - *küžüyün.
- 59a. **new** - *sini . 59b. < Pers. nav.

On Classification of Mongolian

- 60a. **night** - **söni*/ **sönin*. 60b. - . 60c. < Pers. *bīgāh* „evening“.
61. **nose** - **kan-bar* / **kabar*.
- 62a. **not** **e-se*. 62b. - . 62c. - **ülü*. 62d. - . 62e. < Pers. < Arab. *la*.
- 63a. **one** - **niken*. 63b. < Pers. *yak*. 63c. < Chin. *yi* —/ *yi ge* 一个.
- 64a. **person** **küyün* / **küßün*. 64b. < Pers. < Arab. *ādam*. 64c. < Pers. *nafar* „person, people“.
- 65a. **rain** n. - **kura*. 65b. - cf. WMong. *boroyan*. 65c. < Pers. *bārīs*.
- 66a. **red** - **φula-yan*. 66b. < Arab. f. *ḥamrā* / m. *’aḥmar*.
- 67a. **road** - **mör*. 67b. - **žam*. 67c. - **terge*. 67d. - . 67e. < Arab. *safar*. 67f. - (Ramstedt 1935, 175 derived it from **qayalya* < **qaya-lyā*; cf. WMong. *qayalyan* „gate, door“).
- 68a. **root** - **φižayur*. 68b. - **ündü-sü(n)*. 68c. - Uygh. *jiltiz*, Xibe *jildäs*. 68d. < Chin. *genzi*. 68e. < Pers. *biḡ*. 68f. - cf. WMong. *uṅgi* (Ramstedt 1935, 450). 68g. - cf. WMong. *tünge* „woods, forest“.
- 69a. **round** - **tögörök*. 69b. - **molir*. 69c. - . 69d. - . 69e. - . 69f. - .
- 70a. **sand** - **elesün*. 70b. < Chin. *shazi*. 70c. - . 70d. - . 70e. < Pers. *χāk* + „dust“ . 70f. - cf. WMong. *siruya* „earth, ground, soil“ (see #22b).
- 71a. **say** - **MEye-* / **ge-* / **geme-* / **keme-*. 71b. **kele-* / **kelen*.
- 72a. **see** - **üže-*. 72b. - . 72c. - . 72d. < Tib. *lta*.
- 73a. **seed** - **φüre*. 73b. < Pers. *tuḡm* / *toḡm* + „sunflower seed“ . 73c. < Pers. *dāna* „corn“ .
74. **sit** - **sayu-*.
- 75a. **skin** - **arasun*. 75b. - . 75c. < Tk. **čanč*.
- 76a. **sleep** - **umta-* / **unta-* / **untara-* . 76b. - .
- 77a. **small** - **öcü-* / **ücü-ken*. 77b. - . 77c. - . 77d. - **mel-?*. 77e. - **baga* + „young“ . 77f. - . 77g. - . 77h. - . 77i. - cf. WMong. *bičiqan* „small, small child“ .
- 78a. **smoke** n. - **φuni-n*. 78b. - **uta-yan*. 78c. < Writ. Tib. *smug-po*. 78d. < Pers. *dud* / Tk. **ütün*.
- 79a. **stand** - **bayi-*. 79b. - .
- 80a. **star** - **φodun*. 80b. < Pers. *stāra* / *sitāra*. 80c. - Chin. *xinxiu*.
- 81a. **stone** - **čilayun* < Pre-Mong. **ülayun*. 81b. - late Tk. **taš*. 81c. - Mong. *guru* id. (shortened from Arṅun *kürüs* „stones“?).
82. **sun** - **naran*.
- 83a. **swim** - **oyi-mu-* / **oyi-mba-* . 83b. < Qinghaihua *dzofi*.
- 84a. **tail** - **seyül*. 84b. < Pers. *dumbāl*.
- 85a. **that** - **tere*. 85b. < Pers. *ki*.
- 86a. **this** - **e-ne*. 86b. - . 86c. < Pers. *īn*.
87. **thou** - **či*.
88. **tongue** - **kelen*.
89. **tooth** - **sidün*.
- 90a. **tree** - **modun*. 90b. < Chin. *shuzi*. 90c. < Pers. *daraxt*.
- 91a. **two** - **ži(w)rin* „two; pair“ . 91b. - **koyar* / **qoyar*. 91c. < Pers. *dū*. 91d. < Chin. *liangge* 两个.
- 92a. **walk / go** - **yabu-*. 92b. - . 92c. - . 92d. - .
- 93a. **warm** - **dula-yan*. 93b. - 93c. - 93d. < Chin. *nuanhuo*. 93e. < Pers. *dardār*.

94. **water** - *(h)u-sun.

95a. **we** (incl.) - *bida, gen. *bidanu, acc. *bidani. 95b. (excl.) - *ba, gen. *manu, acc. *mani (Poppe 1955, 215).

96a. **what** - *yayu / *yayun. 96b. - .

97a. **white** - *čayan / *čayayan. 97b. < Pers. safīd.

98a. **who** - *ken. 98b. - . 98c. < Pers. kīh.

99a. **woman** - *eme. 99b. < Chin. nainai + Mong. kün. 99c. - *büse „belt“; woman = „without belt“. 99d. < Tk. 99e. < Arab. šāḥiba „woman, wife“. 99f. - . 99g - . 99h. - from Ğer „house, yurt“ . 99f. - cf. WMong. ekener „woman“, in reality pl. of eke „mother“. 99g. - cf. WMong. keüked „children“ & kümün „man“.

100. **yellow** *sira.

Statistical analysis

Khalkha – Santa: 91/96 = 94,79%. Non-cognates: 3, 6, 20, 77, 78. Loanwords: 47, 69, 70, 81. Missing units: Ø.

Khalkha – Kalmyk: 99/100 = 99%. Non-cognates: 99. Loanwords: Ø. Missing units: Ø.

Khalkha – Baoan: 93/96 = 96,87%. Non-cognates: ?1, 3, 20/2, 78. Loanwords: 47, 69, 70, 81. Missing units: Ø.

Khalkha – Daghur: 95/100 = 95,00%. Non-cognates: 30, 38, 44, 67, 78. Loanwords: Ø. Missing units: Ø.

Khalkha – Shira Yughur: 94/99 or 95/99 = most likely 95,95%. Non-cognates: 24, 47, 68, 70, ?96. Loanwords: 14. Missing units: Ø.

Khalkha – Monguor: 94/98 = 95,91%. Non-cognates: ?1, 4, 20/2, 68, 78. Loanwords: 69, 81. Missing units: Ø.

Khalkha – Khamnigan: 75/78 = 96,15%. Non-cognates: 26, 49, 99. Loanwords: Ø. Missing units: Khamnigan: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93.

Khalkha – Buryat: 99/100 = 99%. Non-cognates: 99. Loanwords: Ø. Missing units: Ø.

Khalkha – Ordos: 87/88 = 98,86%. Non-cognates: 26. Loanwords: Ø. Missing units: Ordos: 12, 13, 14, 32, 47, 50, 67, 68, 69, 73, 79, 83.

Khalkha – Oirat: 100%. Non-cognates: Ø. Loanwords: Ø. Missing units: Oirat: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 76, 78, 79, 83.

Khalkha – Moghol: 67,5/75 = 90,00%. Non-cognates: 1, 20/2, 26, 38, 52, 54, 77, 81. Loanwords: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 80, 99. Missing units: Moghol: 3, 30, 32, 47, 69, 79, 83

On Classification of Mongolian

Buryat – Ordos: 87/88 = 98,86%. Non-cognates: 99. Loanwords: Ø. Missing units: Ordos: 12, 13, 14, 32, 47, 50, 54, 67, 68, 69, 79, 83.

Buryat – Oirat: 80/81 = 98,76%. Non-cognates: 99. Loanwords: Ø. Missing units: Oirat: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Buryat – Moghol: 69/76 = 90,78%. Non-cognates: 1, 35, 38, 52, 54, 77, 81. Loanwords: Moghol: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 99. Missing units: Moghol: 3, 30, 32, 47, 69, 79, 83.

Ordos – Oirat: 74/76 = 97,36%. Non-cognates: 65, 76. Loanwords: Ø. Missing units: Ordos: 12, 13, 14, 32, 47, 50, 54, 67, 68, 69, 79, 83; Oirat: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Ordos – Moghol: 66/72 = 91,66%. Non-cognates: 1, 35, 52, 54, 77, 81. Loanwords: Moghol: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 99. Missing units: Ordos: 12, 13, 14, 32, 47, 50, 54, 67, 68, 69, 79, 83; Moghol: 3, 30, 32, 47, 69, 79, 83.

Oirat – Moghol: 60,5/68 = 88,97%. Non-cognates: ?1, 38, 52, 54, 67, 76, 77, 81. Loanwords: Moghol: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 99. Missing units: Moghol: 3, 30, 32, 47, 69, 79, 83; Oirat: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Kalmyk – Santa: 91/96 = 94,79%. Non-cognates: 1, 3, 6, 77, 99. Loanwords: 48, 69, 70, 81. Missing units: Ø.

Kalmyk – Baoan: 92,5/96 = 96,35%. Non-cognates: ?1, 3, 39, 99. Loanwords: 47, 69, 70, 81. Missing units: Ø.

Kalmyk – Daghur: 94,5/100 = 94,50%. Non-cognates: ?1, 30, 38, 44, 67, 99. Loanwords: Ø. Missing units: Ø.

Kalmyk – Shira Yughur: 95/99 = 95,95%. Non-cognates: 24, 39, 47, 99. Loanwords: 14. Missing units: Ø.

Kalmyk – Monguor: 95,5/98 = 97,44%. Non-cognates: ?1, 70, 99. Loanwords: 69, 81. Missing units: Ø.

Kalmyk – Khamnigan: 75/78 = 96,15%. Non-cognates: 39, 49, 99. Loanwords: Ø. Missing units: Khamnigan: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93.

Kalmyk – Buryat: 99/100 = 99%. Non-cognates: 99. Loanwords: Ø. Missing units: Ø.

Kalmyk – Ordos: 86/88 = 97,72%. Non-cognates: 65, 99. Loanwords: Ø. Missing units: 12, 13, 14, 32, 47, 50, 54, 67, 68, 69, 79, 83.

Kalmyk – Oirat: 80/81 = 98,76%. Non-cognates: 99. Loanwords: Ø. Missing units: Oirat:

Michał Schwarz, Václav Blažek

2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Kalmyk – Moghol: 69/76 = 90,78%. Non-cognates: 1, 38, 52, 54, 65, 77, 81. Loanwords: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 99. Missing units: 3, 30, 32, 47, 69, 79, 83.

Santa – Baoan: 92/95 = 96,84%. Non-cognates: 1, 68, 77. Loanwords: 47, 48, 69, 70, 81. Missing units: Ø.

Santa – Daghur: 87,5/96 = 91,14%. Non-cognates: 1, 3, 6, 20/2, 30, 38, 44, 67, 77. Loanwords: 48, 69, 70, 81. Missing units: Ø.

Santa – Shira Yughur: 85,5/95 = 90,0%. Non-cognates: 1, 3, 6, 20/2, 24, 38, 47, 68, 77, 78. Loanwords: 14, 48, 69, 70, 81. Missing units: Ø.

Santa – Monguor: 91/96 = 94,79%. Non-cognates: 1, 3, 6, 38, 68. Loanwords: 48, 69, 70, 81. Missing units: Ø.

Santa – Khamnigan: 72/78 = 92,30%. Non-cognates: 6, 49, 71, 77, 78, 99. Loanwords: 48, 69, 70, 81. Missing units: Khamnigan: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, (47), 50, 52, 68, (69), 73, 76, 79, 80, 82, 93.

Santa – Buryat: 91,5/96 = 95,31%. Non-cognates: 3, 6, 20/2, 77, 99. Loanwords: 48, 69, 70, 81. Missing units: Ø.

Santa – Ordos: 81/87 = 93,10%. Non-cognates: 1, 3, 6, 65, 77, 78. Loanwords: 48, 69, 70, 81. Missing units: 12, 13, 14, 32, 47, 50, 54, 67, 68, (69), 79, 83.

Santa – Oirat: 75/80 = 93,75%. Non-cognates: 1, 6, 67, 68, 77. Loanwords: 48, 69, 70, 81. Missing units: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Santa – Moghol: 64/71 = 90,14%. Non-cognates: 1, 12, 38, 52, 54, 65, 77. Loanwords: Santa: 48, 69, 70, 81; Moghol: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 80, 99. Missing units: 3, 30, 32, 47, 69, 79, 83.

Baoan – Daghur: 90,5/96 = 94,27%. Non-cognates: 3, 20/2, 30, 38, 44, 67. Loanwords: 47, 69, 70, 81. Missing units: Ø.

Baoan – Shira Yughur: 89/95 = 93,68%. Non-cognates: ?1, 3, 20/2, 24, 38, 77, 78. Loanwords: 14, 47, 69, 70, 81. Missing units: Ø.

Baoan – Monguor: 94/96 = 97,91%. Non-cognates: 3, 38. Loanwords: 47, 69, 70, 81. Missing units: Ø.

Baoan – Khamnigan: 72/76 = 94,73%. Non-cognates: 49, 77, 78, 99. Loanwords: 47, 69, 70, 81. Missing units: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, (47), 50, 52, 68, (69), 73, 76, 79, 80, 82, 93.

Baoan – Buryat: 90,5/96 = 94,27%. Non-cognates: ?1, 3, 39, 68, 77, 99. Loanwords: 47,

On Classification of Mongolian

69, 70, 81. Missing units: Ø.

Baoan – Ordos: $82,5/86 = 95,93\%$. Non-cognates: ?1, 3, 65, 78. Loanwords: 47, 69, 70, 81. Missing units: 12, 13, 14, 32, (47), 50, 54, 67, 68, (69), 79, 83.

Baoan – Oirat: $74,5/79 = 94,30\%$. Non-cognates: ?1, 39, 67, 76, 77. Loanwords: 47, 69, 70, 81. Missing units: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Baoan – Moghol: $68,5/74 = 92,56\%$. Non-cognates: ?1, 38, 52, 54, 65, 77. Loanwords: Baoan: 47, 69, 70, 81; Moghol: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 77, 78, 80, 99. Missing units: 3, 30, 32, (47), (69), 79, 83.

Daghur – Shira Yughur: $88,5/99 = 89,39\%$. Non-cognates: ?1, 24, 30, 38, 39, 44, 47, 67, 70, 77, 78. Loanwords: 14. Missing units: Ø.

Daghur – Monguor: $92,5/98 = 94,38\%$. Non-cognates: 20/2, 30, 38, 44, 67, 70. Loanwords: 69, 81. Missing units: Ø.

Daghur – Khamnigan: $70/78 = 89,74\%$. Non-cognates: 30, 38, 44, 49, 67, 77, 78, 99. Loanwords: Ø. Missing units: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93.

Daghur – Buryat: $93/100 = 93,0\%$. Non-cognates: 30, 38, 39, 44, 67, 77, 99. Loanwords: Ø. Missing units: Ø.

Daghur – Ordos: $84/88 = 95,45\%$. Non-cognates: 30, 44, 65, 78. Loanwords: Ø. Missing units: 12, 13, 14, 32, 47, 50, 54, 67, 68, 69, 79, 83.

Daghur – Oirat: $76,5/81 = 94,44\%$. Non-cognates: ?1, 30, 38, 44, 67. Loanwords: Ø. Missing units: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Daghur – Moghol: $66,5/75 = 88,66\%$. Non-cognates: 1, 12, 20/2, 44, 52, 54, 65, 77, 80. Loanwords: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 77, 78, 80, 99. Missing units: 3, 30, 32, 47, 69, 79, 83.

Shira Yughur – Monguor: $92,5/97 = 95,36\%$. Non-cognates: 20/2, 24, 47, 77, 78. Loanwords: Shira Yughur: 14; Monguor: 69, 81. Missing units: Ø.

Shira Yughur – Khamnigan: $74/78 = 94,87\%$. Non-cognates: 24, 49, 70, 99. Loanwords: Shira Yughur: 14. Missing units: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93.

Shira Yughur – Buryat: $94/99 = 94,94\%$. Non-cognates: 24, 47, 68, 70, 99. Loanwords: Shira Yughur: 14. Missing units: Ø.

Shira Yughur – Ordos: $84/88 = 95,45\%$. Non-cognates: 24, 38, 47, 70. Loanwords: Shira Yughur: 14. Missing units: 12, 13, 14, 32, 47, 50, 54, 67, 68, 69, 79, 83.

Shira Yughur – Oirat: $76/80 = 95,0\%$. Non-cognates: 39, 47, 67, 77. Loanwords: Shira

Michał Schwarz, Václav Blažek

Yughur: 14. Missing units: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Shira Yughur – Moghol: $67,5/76 = 88,81\%$. Non-cognates: 1, 12, 20/2, 24, 38, 52, 54, 77, 81. Loanwords: *Shira Yughur*: 14; *Moghol*: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 99. Missing units: 3, 30, 32, 47, 69, 79, 83.

Monguor – Khamnigan: $72/77 = 93,50\%$. Non-cognates: 49, 70, 77, 78, 99. Loanwords: *Monguor*: 69, 81. Missing units: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93.

Monguor – Buryat: $94/98 = 95,91\%$. Non-cognates: 68, 70, 77, 99. Loanwords: *Monguor*: 69, 81. Missing units: Ø.

Monguor – Ordos: $83,5/87 = 95,97\%$. Non-cognates: ?1, 38, 70, 78. Loanwords: *Monguor*: 69, 81. Missing units: 12, 13, 14, 32, 47, 50, 54, 67, 68, (69), 79, 83.

Monguor – Oirat: $77,5/80 = 96,87\%$. Non-cognates: ?1, 11, 67. Loanwords: *Monguor*: 69, 81. Missing units: 2, 3, 12, 13, 15, 20, 24, 26, 27, 32, 35, 48, 50, 69, 70, 73, 78, 79, 83.

Monguor – Moghol: $70,5/75 = 94,00\%$. Non-cognates: ?1, 38, 52, 54, 77. Loanwords: *Monguor*: 69, 81. *Moghol*: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 99. Missing units: 3, 30, 32, 47, (69), 79, 83.

Khamnigan – Buryat: $76/78 = 97,43\%$. Non-cognates: 39, 49. Loanwords: Ø. Missing units: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93.

Khamnigan – Ordos: $72/74 = 97,29\%$. Non-cognates: 49, 99. Loanwords: Ø. Missing units: *Khamnigan*: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93. *Ordos*: 12, 13, 14, 32, 47, 50, 54, 67, 68, 69, 79, 83.

Khamnigan – Oirat: $62/68 = 89,85\%$. Non-cognates: 11, 39, 49, 71, 77, 99. Loanwords: Ø. Missing units: *Khamnigan*: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93. *Oirat*: (2), (3), (12), 13, (15), (20), 24, 26, 27, (32), 35, 48, 50, (69), 70, (73), 78, (79), 83.

Khamnigan – Moghol: $58/64 = 90,62\%$. Non-cognates: 35, 38, 49, 54, 77, 81. Loanwords: *Moghol*: 6, 13, 14, 15, 25, 27, 29, 41, 46, 51, 59, 64, 68, 70, 73, 78, 99. Missing units: *Khamnigan*: 1, 2, 3, 9, 12, 14, 15, 17, 20, 32, 45, 47, 50, 52, 68, 69, 73, 76, 79, 80, 82, 93. *Moghol*: 3, 30, 32, 47, 69, 79, 83.

Basic lexical sources:

Middle Mongolian: Poppe 1955.

Written Mongolian: Kara 1990, Köhalmi 1959, Poppe 1955, Todajeva 1973.

Khalkha: Sanžev 1960, Svantenson 2003, Todajeva 1981, Bawden 1997, Sun Zhu 1990.

On Classification of Mongolian

- Buryat*: Cydendambajev 1962, Skribnik 2003, Poppe 1955, Bertagajev in: *Jazyky narodov SSSR* 1968, Janhunen 1992, Ramstedt 1906, Sun Zhu 1990.
- Kalmyk*: Ramstedt 1935, Poppe 1955, Basangov 1963, Blässing 2003, Todajeva in *Jazyky narodov SSSR* 1968.
- Oirat*: Weiers 1972, Jaxontova 1996, Birtalan 2003, Poppe 1955, Todajeva 1973, Sun Zhu 1985.
- Ordos*: Poppe 1955, Todajeva 1981, Nagy 1960, *Jazyky Mira* 1991, Stefan 2003.
- Khamnigan*: Köhalmi 1959, Janhunen 1990, Janhunen 1992, Janhunen 2003a.
- Monguor*: Poppe 1955, Todajeva 1973, Sun Zhu 1990, Qingge'ertai & Li Keyu 1988, Smedt & Mostaert in Todajeva 1973.
- Mongghul*: Faehndrich 2007, Mongghul informant Ha Mingzhong from Hawan village – data collected in Ulaanbaatar in 2008.
- Mangghuer*: Todajeva 1973, Qingge'ertai & Li Keyu 1988, Faehndrich 2007.
- Baoan*: Sun Zhu 1990, Todajeva 1973, Enhebatu & Xinteke 1988, Wu Hugjiltu 2003.
- Shira Yughur*: Kotwicz 1950, Nutgeren 2003, Sun Zhu 1990, Bao Chaolu & Gu Lasen 1988, Bao Chaolu & Gu Lasen & Chen Naixiong 1990.
- Dongxiang = Santa*: Todajeva 1973, Sun Zhu 1985, Sun Zhu 1990, Kim 2003.
- Daghur*: Poppe 1955, Sun Zhu 1985, Sun Zhu 1990, Chaolu Wu 1996, Enhebatu & Xinteke 1988, Enhebatu 2003.
- Moghol*: Ramstedt 1906, Ligeti 1955, Weiers 1972, Todajeva 1973.

Historical comments

Abstracting from the specific case of Moghol, the only controversial point of our model consists in the hypothetical divergence of Khalkha, Kalmyk + Oirat and Buryat in the same time around 1620 AD. The following arguments and data support our result. Khalkha, Oirat-Kalmyk and Buryat people had intensive political relations till the beginning of 17th century, especially under the rule of Zasagt Khan (1557-1592). Their separation and subsequent language change could not be seen primarily in the geographical partition. Good personal and language contacts between the Mongolic nations were possible only in the time of peace and active political relations of tribal nobilities and chieftains. In the time of political crisis, real contacts were minimalized till forming the new political aliance. One huge change occured in the time of Manchu expansion under Nurhachi (he ruled as a new khan in 1616-1626) and counteractions of Mongolian (Chakhar) Ligden Khan (rule: 1603-1634). Northern Khalkha Mongolians decided for long-term aliance with Manchu in 1691, but their separation had its beginning in the time of geopolitical restructuralisations in 1618-1620 (Veit 1986: 395-401; for short survey of tribal relations see: di Cosmo & Bao 2003: 7-14). The Southern Mongolians accepted the overrule of Manchu in 1636, but their first short agreement with Manchu was in 1619 (Schwarz 2010: 48-49), followed by abolition one year later. Buryats firstly submitted to Khalkha Mongolians and than had to accept tributary relations to Manchu too,

but after the capture of all present Manchuria by Nurhachi in the years 1599 – 1619 (Pavlinkaja 2008: 69), they were dissolved and did not have any firm political connection and stable development. The second factor must be seen in the coming of Russian Cossacks from 1609; we have better informations about the Buryat area from 1629 and later (Pavlinkaja 2008: 103-129). Oirat-Kalmyk group had the problematic and changing political relations with both the Russians and Mongolians. Part of Western Oirats submitted to the Russian Tsar for short time in 1607-1608 (Beckwith 2009: 226f.), but there was an inner separation of the group probably due to the need of new pasturelands too. Kalmyks arrived to Volha in 1630, but the migration of the main group (Torghuts) started in 1618 (<http://en.wikipedia.org/wiki/Kalmyks>). The similar situation (as of the Manchu expansion) appears in the hypothetical divergence of Daghur in 1090. The financial crisis of the Northern Song dynasty (960-1127) and aggressive Khitan owners of the farms in the North-Western parts of present China gave rise to rebellions and many areas were out of control in 1087 (Barfield 1992: 177-181). So the separation of Daghur could be seen in perspective of the rise of Jurchen power at the end of 11th and beginning of 12th century.

Abbreviations:

acc. accusative, Arab. Arabic, Chin. Chinese, exc. exclusive, gen. genitive, incl. inclusive, Khamn. Khamnigan, MMong. Middle Mongolian, Mong. Mongolian, nom. nominative, Pers. Persian, Pre-Mong. Pre-Mongolian, Preclas. Mong. Preclassical Mongolian, Shira Uyg. Shira Uyghur, Tib. Tibetan, Tk./Turk. Turkic, Uygh. Uyghur, WMong. Written Mongolian, Writ. Tib. Written Tibetan.

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Abbreviations

AOH *Acta Orientalia Academiae Scientiarum Hungaricae*.

JSFOu *Journal de la Société Finno-Ougrienne*.

RO *Rocznik orientalistyczny*.

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On Classification of Mongolian

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Michał Schwarz, Václav Blažek

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Summary

In the present study we try to summarize the most important models of classification of Mongolian languages with their visualizations in tree-diagrams, to describe the used methodological approaches, and finally to offer our model, based on so called ‘recalibrated’ glottochronology developed by Sergei Starostin. In Conclusion our model is compared with other models based on quantitative approaches. The correlations between our chronology and historical events known from the last millennium are discussed in Historical comments.