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The Study of Old Documents of Hokkaido and Kuril Ainu: Promise and Challenges

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1. Introduction: The past and present of Ainu studies

Ainu is a critically endangered language of unknown genetic affiliation, which shows considerable dialectal variation. The three primary divisions are geographically based, and distinguish between the dialects once spoken on Hokkaido, Sakhalin, and the Kuril Islands. Originally, Ainu was not a written language, i.e. there are no early written records made by the Ainu themselves. The earliest records of Ainu were made by the Japanese in *kana* and Europeans in the Roman alphabet in the early 17th century but they are scarce.

Extensive documentation of Ainu and its linguistic research started a century ago and has produced a number of comprehensive dictionaries and grammars. Despite this proliferation of descriptive works on Ainu, no grammar of Ainu is historical. There were separate attempts to relate Ainu to Indo-European (Batchelor 1889, Naert 1958, Lindquist 1960), Austronesian (Gjerdman 1926, Murayama 1992), Koreo-Japonic within Altaic (Patrie 1982), Japonic (Hattori 1959), and Nivkh (Austerlitz 1976) or reconstruct Proto-Ainu of 1000 CE (Vovin 1993, Alonso de la Fuente 2012). However, due to the scarcity of written records or methodological problems no comparative work on Ainu has been fully verified. As a result, there is a general lack of historical perspective on Ainu, which is a major impediment to the further progress of Ainu research.

This paper suggests that the study of unpublished old written records made by foreigners in the Roman/Cyrillic alphabets can compensate for the lack of documentation of some under-described Ainu dialects, provide telling clues about earlier stages of Ainu, advance understanding of the history of Ainu and possibly contribute to our understanding of the prehistory of Northeast Asia.

Focusing on the cross-dialectal comparison is important for its role in clarifying transitions between different synchronic states of a language, and for the insights it provides for reconstructing earlier phases of the language, particularly important in the case of isolate languages like Ainu which lack outside comparisons.

Unfortunately, the Kuril dialect of Ainu, which is absolutely indispensable for the reconstruction, disappeared in the late 19th century and all we are left with now is just a

limited amount of data, i.e. 700 items in R. Torii (1903), 1900 items in Dybowski (1892), 372 items in Klaproth (1823)¹, and about items 297 in Krashennikov (1755) (§3). However, there are several other unpublished documents on Kuril Ainu of the 18th (§4) and 19th centuries (§5), particularly the one called *Kuril'skie Slova* [Kuril Words] (1844?) which is a list of 1609 words/phrases recorded in Cyrillic in the archive of I.G. Voznesensky stored in the St. Petersburg Branch of the Archive of the Russian Academy of Sciences (SPbF-ARAN, f.53, op.1, #43). Only one third of this document's material is used in Vovin (1993), and the rest has never been published. Based on these new data we are going to revise and complement Murayama's (1971) overview of Kuril Ainu and pursue historical research on a number of issues.

Though Murayama (1971) notes that Kuril Ainu is extremely important for Ainu dialectology and history of Ainu, he does not give any concrete examples of how it can actually be used for this purpose. This paper suggests that Kuril Ainu old documents (§4, §5) can reveal a lot only when compared with old documents of other dialects, i.e. Hokkaido (§2) and Sakhalin Ainu (§3), as shown in §6 and §7.

2. Old Ainu documents in *kana*

The first Ainu documents by the Japanese in *kana* go back to early 17th century, which is the time when the Japanese warrior clan Matsumae received Hokkaido as a fief (1604) from the newly established Edo Shogunate and monopolized trade with the Ainu; the 17th – early 18th century Ainu documents are few. By contrast, the late 18th – 19th century Ainu documents are numerous because the weakened Edo Shogunate feared colonization of Japan by Western powers and engaged in active exploration of the border territories (Hamaguchi et al. 2016: 98), which resulted in the establishment of the Japan government's direct control over Hokkaido in 1799.

A word on the Japanese *kana* syllabaries, i.e. *hiragana* and *katakana*, is in place. It was not until 1900 that the Ministry of Education of Japan established the standard set of 48 *hiragana* (and *katakana*) characters. Before the Meiji era (1868-1912), it was common to use a number of different *kana* characters to notate one and the same sound in Japanese documents. For example, while as a *hiragana* for *ta*, only た is now used, 多, 當, 堂, and others were freely used as *hiragana* before the Meiji era. Non-standard *hiragana* characters that were not chosen for that set came to be called *hentaigana* ('variant *kana*').

Both *hiragana* (including *hentaigana*) and *katakana* are used for the notation of Ainu in old documents by the Japanese. In the 17-18th century documents, Ainu tends to be written with *hiragana* (including *hentaigana*), while in the late 18th and 19th

¹ According to Murayama (1971), Klaproth (1823) is based on the missing materials which were collected around 1743 by a German scholar G.W. Steller, see §4.

century documents, Ainu tends to be written with *katakana* (Satō, to appear in A. Bugaeva (ed.) *Handbook of the Ainu Language*).

Matsumae no kotoba (松前ノ言) ‘The words of Matsumae’ (n.d., Narita (ed.) 1972) from the Library of Tenri University, Nara Prefecture (deciphered in Kindaichi (1924)) is presumably the oldest Ainu document in *kana*. The exact date of this document is not clear but it probably dates back to the period of *Kan’ei* (1624-1644) (Sasaki 1925). It was included in a series of books called *Kokuseki-ruisho* (国籍類書) ‘a series of Japanese books’, which once belonged to the Ishikawas in Ise (now Mie prefecture). The total number of entries in this vocabulary is 117 (Satō 1998). For example, “ゆ王んふ (*yuwanfu*) 六川の事” corresponds to the present form *iwanpe* ‘six’ but this notation may imply that this word once had a form like **iwanp* or **iwanpə* (Satō 2008: 174).

The oldest attested Ainu vocabulary of considerable size that is clearly dated is *Ezo kotoba* (蝦言葉) ‘The words of Ezo’ (Kūnen 2010/1704) with 456 entries; it belongs to Fukui City History Museum (Satō 2014, 2015a, 2016c).

Other famous 18th century Ainu documents are *Ezoki* (蝦夷記) ‘The Records of Ezo’ (Kyūkan 1795) (Satō 2003) with 1595 entries, *Ezodan hikki* (蝦夷談筆記) ‘A report on the Ainu’ (Matsumiya 1969/1710) with 121 entries, *Wakan sansai zue* (和漢三才図会) ‘Illustrated Sino-Japanese encyclopedia’ (1712) (Terashima (ed.) 1998) with 56 entries, *Hokkai zuihitsu* (北海随筆) ‘An essay on the northern region’ (1739) (Sakakura 1969) with 121 entries, and *Ezo sōshi* (蝦夷草紙) ‘The Ezo storybook’ (1790) (Mogami 1965) with 145 entries.

And finally the most famous 18th century *kana* document is *Moshiogusa* (もしほ草) ‘Seaweeds for making salt’ (1792) by Kumajirō Uehara (Kindaichi 1972) which is the first published Ainu dictionary in the world compiled by Kumajirō Uehara and Chōzaburō Abe; 2000 entries and several sample texts. Its influence on the succeeding old documents was enormous.

One of the most important 19th century Ainu documents are *Ezogoshū* (蝦夷語集) ‘Collection of Ainu words’ (Uehara 1824). The author is Yūji Uehara, probably the same person as Kumajirō Uehara, the author of *Moshiogusa* (1792). The number of entries is 6000 (Tanaka and Sasaki 1985) so it is probably the largest Ainu dictionary in the Edo era. Another important one is *Ezo kotoba irohabiki* (蝦夷言いろは引) ‘Ainu words arranged in *kana* order’ (Itoya 1848). It includes 1724 entries and Ainu versions of ordinances at the end (Satō 1995).

Clearly dated old Ainu documents provide telling clues for dating documents with no specified date. For instance, in *Matsumae no kotoba* (early 17th century) and *Ezo kotoba* (1704), which are written in *hiragana*, a number of characters, see a list below², are used more often for the notation of Ainu than for Japanese translation (Satō 2018),

² Although they look like characters, they are used here as a kind of *hiragana* (i.e. *hentaigana*).

which allows us to date the former (undated) document in accordance with the latter (dated) document³, see also *Ezosaezuri* in §6.

「可」 (ka)	(Ainu:Jap: 23:12 (<i>Matsumae</i>) / 57:29 (<i>Ezo</i>));
「志」 (shi)	(23:5/87:4);
「川」 (tsu)	(33:11/30:6);
「遍」 (he)	(10:1/9:1);
「本」 (ho)	(11:3/37:8);
「連」 (re)	(5:1/24:3)

3. Old Ainu documents in Roman and Cyrillic characters

The oldest existing dated document of Ainu is *Relatione del Regno di Iezo* ‘An account of the land of Iezo’ (the original is in Portuguese) (1624) by an Italian Jesuit, Girolamo de Angelis who was the first known European to come to Hokkaido and record 54 Ainu words in Roman characters during the ten years which he spent there since 1618 (Cieslik 1962). According to Satō (to appear in A. Bugaeva (ed.) *Handbook of the Ainu Language*), it is likely that at least parts of this document were copied from a document in *kana*.

In 1597, Hideyoshi proclaimed a banning edict on Christianity⁴. Japan has been closed for foreigners until 1853 but the ban on Christianity was abolished only in 1871. Thus, it is quite natural that in this period documents on Hokkaido Ainu in Roman characters are very scarce; they started reappearing only the 19th century; for a detailed account see Majewicz (to appear in *Handbook of the Ainu Language*).

However, there are early documents in Roman/Cyrillic characters of Ainu spoken in Sakhalin and Kurils, which were more easily accessible to foreigners. For example, 160 Sakhalin Ainu words are recorded in Lapérouse (1798) *Voyage de La Pérouse autour du monde, pendant les années 1785, 1786, 1787 et 1788* [A voyage of Lapérouse around the world performed in the years 1785, 1786, 1787, and 1788] published in Louis-Antoine Milet-Mureau (editeur), reproduced in Pfizmaier 1850. Another early source on Sakhalin Ainu containing 1,987 entries is Davydov (1812) *Slovar' narechij narodov obitayushchikh na yuzhnoy okonechnosti poluostrova Sakhalina, sobranniy na meste pokoynym leytenantom Gavriloyu Davydovym* [A dictionary of ethnolects of peoples inhabiting the southern recesses of the Sakhalin Peninsula collected on location by the late lieutenant Gavril Davydov] published as part of I. F. Kruzenshtern's

³ For example, the tokens of relevant letters in *Ezosaezuri* are as follows:「可」 (ka) (**Ainu:Jap:** 91:22 (*Ezosaezuri*)) ; 「志」 (shi) (**Ainu:Jap:** 173:6 (*Ezosaezuri*)) ; 「川」 (tsu) (**Ainu:Jap:** 80:7 (*Ezosaezuri*)).

⁴ In fact, Angelis too was captured on a Kamakura beach where he was hiding and sentenced by the shogun to death by fire in public in 1623 (Majewicz, to appear in A. Bugaeva (ed.) *Handbook of the Ainu Language*).

Puteshestviye vokrug sveta v 1803, 4, 5 i 1806 godakh na korablyakh Nadezhde i Neve [Circumnavigation in 1803-1806 on ships Nadezhda and Neva], the German edition is Pfizmaier (1851). Importantly, Davydov (1812) came to the conclusion that the same or almost the same language is spoken by denizens of *Matmay* [=Matsumae] or *Esso* [=Ezo] and Southern Kurils; in other words, by all people who the Japanese call *Ainu*, which is also their self-designation.

As was already mentioned in §1, the Kuril dialect, which was disappearing in the late 19th century, is the least documented variety of Ainu. The first serious attempt to document it is Krasheninnikov (1755), which contains 297 entries recorded in 1738 during the Second Kamchatkan Expedition (1733–1743). The Second Kamchatkan Expedition (1733–1743) was initiated by Russian Emperor Peter I the Great, implemented by Russian Empresses Anna and Elizabeth and led by Vitus Bering who was a Danish cartographer and explorer in Russian service. Stepan Petrovich Krasheninnikov (1711–1755) belongs to the first-generation Russian born scientists. He was assigned to the Second Kamchatkan Expedition as an assistant to German professors Gmelin and Müller. Another outstanding member of the expedition was Georg Wilhelm Steller (1709–1746), a German botanist, zoologist, physician and explorer. The Kuril Ainu vocabulary was presumably collected by one of Krasheninnikov's assistants, Semjon Plishkin, in Bol'sheretsk (Kamchatka) from two speakers from the Paramushir Island (Kurils) (Murayama 1971). It is published in Cyrillic with the Russian translation (1755) but a slightly different romanized version *Vocabularium: Latine-Curilice-Chuhachtscha-Kamtschtice-Ukinice* 'A Glossary: Latine-Ainu-Chukchi-Koryak-Itelmen' stored in SPbF-ARAN (r.1, op.13, ed.10, l. 209-214ob, 222-223ob) was published in Murayama (1971: 11-20) (only the Latin-Ainu part with the Japanese translation), see **Photo A**.

4. Unpublished 18th Kuril Ainu documents in Cyrillic

Osip Argunov is another member of the Second Kamchatkan Expedition who worked as an assistant for S. Krashenninnikov and G. Steller. In April 1741, he was sent to the Kuril Islands by G. Steller to describe the local customs while Steller himself was planning to sail from Petropavlovsk harbor (Kamchatka) to North America with Vitus Bering. On completion of the task Osip Argunov submitted a report to G. Steller (October 10, 1742) (SPbF-ARAN, f.3, op.1, #800a, ll.3-4ob) and attached two of his works namely *Описание на первом острове живущих курилов, о их обычаях и поведении* [A description of the Kuriles living on the first island [Paramushir], their customs and behavior] (*Opisanie 1*: SPbF-ARAN; f.3, op.1, #800a, ll.17-26) and *Описание пути от устья Большой реки до Курильской Лопатки и оттуда до первого, вокруг Второго и возвратно вокруг же Первого островов Курильских подле морской берег водным путем, впадающим рекам и речкам*

V O C A B U L A R I U M. 210

Latine	Curilice	Chuhachtscha	Kamtschatschice	Ukinice
Deus	Kamui	Kutcha	Kut.	Kuitchuntchutjet
Diabolus	Uin-Kamui	Tana	Kana	Ochtkana
Celum	Nisf.	Keisf.	Kokal	Kokal
Nubes	Uuraw	Muidfcha	Gur'ingur	Gyschaangyscha
Ventus	Keera	Schpella	Schapel	Scheppe
Procella	Sigupu	Keipk	Kakalt.	
Pluvia	Sirugeri	Tschuchtschuch	Tschuchtschuch	Etschuchtschuch
Nix	Upafek	Kolaal	Kovel	Kolaal
Grando	Kaukack	Koalle	Kakumtschel	Kakumtschuk
Tonitru	Um.	Kuichschihina	Kuchkuch	Kyichschitsek
Fulgur	Kamui - Kuunc	Muichtl. Kuichschihina	Amromschtschingschija	Abromschlamtsch
Sol	Tschuppu	Latsch.	Halen. Kuletsch	Kuletsch
Luna		Ladilgyr	Huingon. Kuletsch	Dukwa. Kuletsch i.e. Solnochturwas.
Stella	Keta	Agaschin.	Edschenggr	Edschemtsch.
Dies	To	Kulchalla	Tadtsch	Hulel
Nox	Sirkunne	Kun'ku. Lchuinguna	Kunank.	Dukuil
Mane	Xisfat	Emkolakru.	Uedumkulel	Dumkolel
Meridies	Toananaschki	Chadudschagyna	Kunin. Kuletschkui.	Kunin. Chaletschkui
Vespera	Oruunan	Talbak.	Atakulel	Tatynul
Media nox	Upakannaschki	Nulchuingula	Kunuhin. Chuttsch.	Kunin. Dukuil
Hebdomas				
Mensis	Ignor	Ignor	Ignor	Ignor
Annuus	Tyrnan.	Tschadtsch.	Tatschadtsch.	Kokkolgachtsch.
Terra	Kotan	Schemt	Schemt.	Bytschimt
Mons	Othun	Kala	Eel.	Bytschalchen
Collis	Onnan. Othun	Idtschulhan	Synudschiduttsch.	Tschuchtschud
Ignis	Api	Pangytsch.	Drumtsch.	Atchymiltsch.
Fumus	Sinpuja	Ngatschadtsch. ngatschadtsch.	Gadtschungadtsch.	
Pruna	Apaischat.	Ki. kalha. Sitela.	Sitron.	Bytschemt
Aqua	pi	ii	Adtschane	
Campus	Nafsch	Utsf.	Batara	Atschhad

Photo A. Vocabularium: Latine-Curilice-Chuhachtscha-Kamtschitice-Ukinice
 by S. Krasheninnikov (recorded in 1738) (SPbF-ARAN; r.1, op.13, ed.10, l.
 209-214ob, 222-223ob)

[A description of the way from the estuary of the Bolshaya River to the Kuril Lopatka, then to the first island [Shumshu], around the second island [Paramushir] and then back around the first island along the sea shore by sea, rivers and small rivers] (*Opisanie 2*: SPbF-ARAN; f.3, op.1, #800a, ll.5-16ob) with numerous place names of Ainu origin. Both documents by Argunov are referred to in an article by the Soviet historian B.P. Polevoj (1988) *Neopublikovannoe sochinenie O. Argunova o severnykh ajnakh* [An unpublished essay on the Northern Ainu by Osip Argunov] but their full text has never been published.

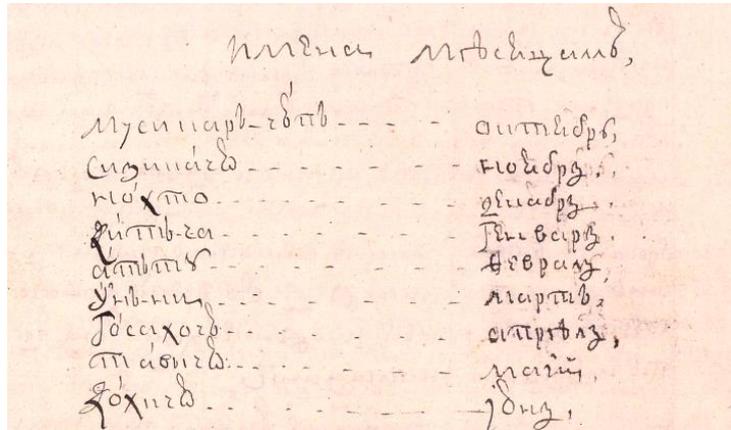
The first manuscript (*Opisanie 1*) is particularly valuable for our research. It clearly states that indigenous people living on the Paramushir Island are the Ainu (both culturally and linguistically) though Itelmen (Kamchadal) cultural influence is very strong. It contains a detailed description of Ainu customs, traditions, social organization, religious beliefs, upbringing, traditional medicine and contacts with the Itelmens and Russians. It also includes about 30 Ainu words of the following groups: (1) names of months, (2) names of winds (=points of the compass), (3) names of seasons, (4) names of stars, and (5) abusive language, obscenities.

Names of months are usually encoded by nominalizations denoting traditional activities carried out in each month and/or expressions related to names of local animals and plants (e.g. *seri-kar-cup* ‘November: a fish.fillet-making-month’ in Table 1). Names of winds depend on land features of a particular region. It is not surprising that Ainu names of month and winds vary considerably depending on the dialect and can even differ within the same dialect; this is possibly because several expressions to refer to the same entity co-existed.⁵

In this section (**Photos & Tables 1-4**), we present copies of the original manuscripts and suggest tentative morphological interpretations in Roman italics (see column 2 in Tables) for our deciphered Ainu words of groups 1-4 in Cyrillic (column 1, cf. Roman transliteration in column 2), while completely undocumented words of group 5 (**Photo 5**) will be discussed separately in §6 since they deserve special attention.

⁵ For example, names of month in Argunov’s *Opisanie* (1742) are completely different from those documented in *Kuril’skie Slova* (1844?) discussed in §5.

Photo & Table 1. Имена мѣсяцимъ [Names of months] (*Opisanie I SPbF-ARAN*; f.3, op.1, #800a,18)



Original Transcription (Cyrillic)	Roman Transliteration and Interpretation	Original Translation (Russian)	English Translation
мусикарь-чю'пъ	mushikar-chup <i>muse</i> ⁶ -kar-cup nettles?-mowing-month	октябрь	October
сизикачю	sezikáchu <i>seri</i> ⁷ -kar-cup? fish.fillet-making-month	ноябрь	November
нóхто	nóhto <i>noh</i> ⁸ -to? egg-day?	декабрь	December
кйть-ча	kitícha <i>kitci</i> ⁹ -cup? trough?-month	генварь	January
áтьту	át'tu <i>at</i> -cup? elm.tree.bark?-month	февраль	February
ý'нь-ни	únni <i>únew</i> ¹⁰ -ni seal?-tree?	мартъ	March
Гóсахочю	gósahochu <i>kósa</i> ¹¹ -o-cup hops?-holding-month	апрѣль	April

⁶ Cf. *mose* 'reed' (Tamura 1996: 394), Kuril: *mose* 'nettles' (Dybowski 1892: 335); *muse*, *mose* 'nettles' (Batchelor 1938: 308).

⁷ Cf. *serikar* 'make three-piece fish fillets, cut fish in three pieces' (Nakagawa 1995: 236). Cf. also Kuril: *serituas cup* 'November' (Dybowski 1892: 153).

⁸ Cf. Kuril: *nōhk* 'egg' (Klaproth 1823: 42, 57).

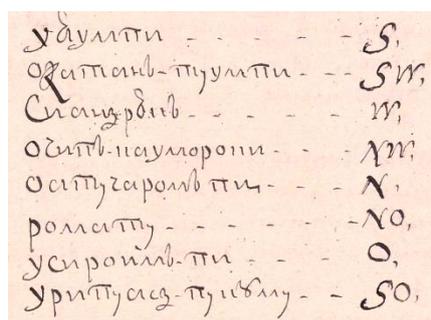
⁹ Cf. *Kitci* 'A manger. A trough.' (Batchelor 1938: 257).

¹⁰ Cf. *'un`ew* 'seal' (Yakumo) (Hattori 1964: 186).

¹¹ Cf. *kosa* 'Hops. ...used by the Ainu as an article of diet.' (Batchelor 1938: 270).

Тáвычю	táwəchu <i>taw</i> ¹² - <i>cup</i> Arisaema.peninsulae-month	май	May
Кóхичю	kóhichu <i>kopi</i> ¹³ - <i>cup</i> gull?-month	іюнь	June

Photo & Table 2. Званіе ветров/румбов [Names of winds/points of the compass] (*Opisanie 1* SPbF-ARAN; f.3, op.1, #800a, 20)



Original Transcription (Cyrillic)	Roman Transliteration and Interpretation	Original Translation (Russian)	English Translation
уяумпи	uyaumpi <i>oyak?</i> - <i>un-pe</i> another.place-attach-thing	S	South
окатанъ-туумпи	okatan-tuumpi ¹⁴ <i>okotan</i> ¹⁵ - <i>tum-pe</i> adjoining.island?-middle?-thing	SW	Southwest
Сианьрюкъ	Shan ¹ ruk <i>senruk</i> ¹⁶	W	West
очипъ-кауморопи	ochip-kaumoropi <i>o-chip-ka-un-oro-pe</i> bottom.PF-boat-top-attach-place-thing?	NW	Northwest

¹² In some words, syllable-initial /t/ and /tʰ/ can alternate but the nature of this phenomenon is not fully understood yet. Cf. *rawraw* ‘Arisaema peninsulae’ (Chiri 1953: 203) (western species are often called ‘jack-in-the-pulpit’), used by the Ainu as stomach medicine.

¹³ Cf. Kuril: *kopiča* ‘rooster’ (Dybowski 1892: 179); *kopecā* ‘mallard’ (Chiri 1953: 203), *kapiw* ‘gull’ (Chiri 1953: 211).

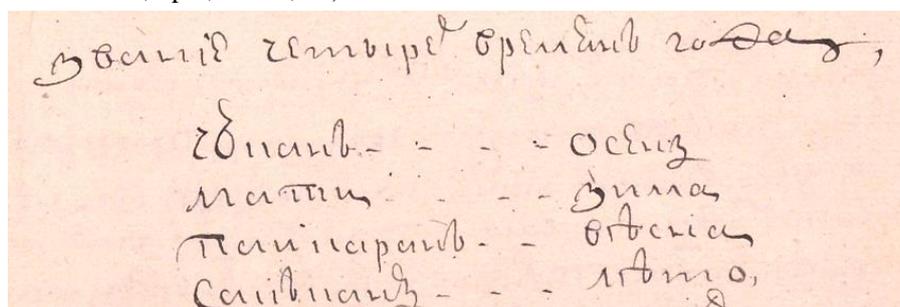
¹⁴ Cf. Kuril: *očumkamupiy sendruk* ‘north wind’ (Dybowski 1892: 192).

¹⁵ Cf. *okotan* ‘adjoining villages’ (Batchelor 1938: 352); Kuril: *kotan* ‘island, country’ (Dybowski 1892: 180).

¹⁶ Cf. Kuril: *sendruk* ‘West, west wind’ (Dybowski 1892: 210), *sisam sendruk* ‘northwest wind’ (Dybowski 1892: 216).

оатучаромъ пи	oatucharom pi <i>o-atuy?-car-un-pe</i> bottom.PF-sea-mouth-attach-thing	N	North
ромату	romatu <i>romatu?</i>	NO	Northeast
усироймъ-пи	usirojmpi <i>o?-siruru?¹⁷-un-pe</i> bottom.PF-ocean-attach-thing	O	East
урипуась-пукуму	uripuas ¹⁸ -pukumu <i>uripuas-puk-un-i?</i> ?-under-attach-thing/place?	SO	Southeast

Photo & Table 3. Званіе четырёх временъ года [Names of seasons] (*Opisanie I SPbF-ARAN*; f.3, op.1, #800a, 20)

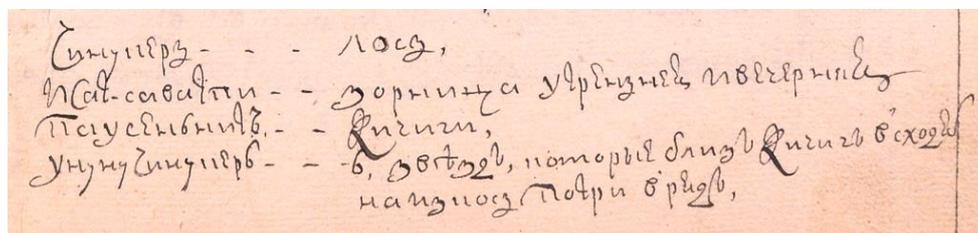


Original Transcription (Cyrillic)	Roman Transliteration and Interpretation	Original Translation (Russian)	English Translation
чюканъ	chukan <i>cuk an</i> autumn be(come)	осень	autumn
мати	mati <i>mata</i>	зима	winter
пайкаранъ	paykaran <i>paykar an</i> autumn be(come)	вѣсна	spring
сакъканъ	sakkan <i>sak an</i> summer be(come)	лѣто	summer

¹⁷ Cf. *siruru* 'ocean' (Batchelor 1938: 469), *rur* 'sea water' (Tamura 1996: 590).

¹⁸ Cf. Kuril: *urpuk* 'sole of foot' (Dybowski 1892: 231), *as* 'stand' (Torii 1903: 330).

Photo & Table 4. Звание некоторых звёзд [Names of stars] (*Opisanie I SPbF-ARAN*; f.3, op.1, #800a, 20)



Original Transcription (Cyrillic)	Roman Transliteration and Interpretation	Original Translation (Russian)	English Translation
Чинукеръ	chinuker ^j <i>ci-nukar i</i> ¹⁹ IPL.A-see NMLZ	лось	North Star
Исат-саватпи	isat-sawatpi <i>nisat-sawot-pe</i> ²⁰ dawn-escape-thing	зорница утренняя и вечерняя	the morning and evening star, Venus at dawn and dusk
паусеньнитъ	pausen ^j nit <i>pausey</i> ^{21-nit} chop-stick	Кичиги ²²	stars of Orion's Belt and Orion's Sword
унунучинукеръ	ununuchinuker <i>ununu</i> ^{23 ci-nukar} mother? IPL.A-see	6 звёзд, которые близъ Кичигъ в' сходятъ наизкосъ потри в'рядъ	6 stars which rise near Orion in a diagonal direction three-in-a-row

¹⁹ Cf. *ci-nukar-nociw* (IPL.A-see-star) 'North Star' (Kayano 1996: 310).

²⁰ Cf. *nisat-sawot-nociw* 'Venus at dawn' (Tamura 1996: 423).

²¹ Cf. Kuril: *pauseykeri* 'chop' (Dybowski 1892: 199).

²² "Кичига:..выгнутая, сручная палка, с плосковатым концом...; Кичига, кичиги ...созвездие Орион, или пятизвездие, образующее пояс и меч его." [*Kichiga* is a curved stick with a flat end; *Kichiga, kichigi* refers to the Orion constellation consisting of the Orion's Belt and Sword] (Dahl 1880).

²³ Cf. *ununue* 'mother' (Batchelor 1938: 534).

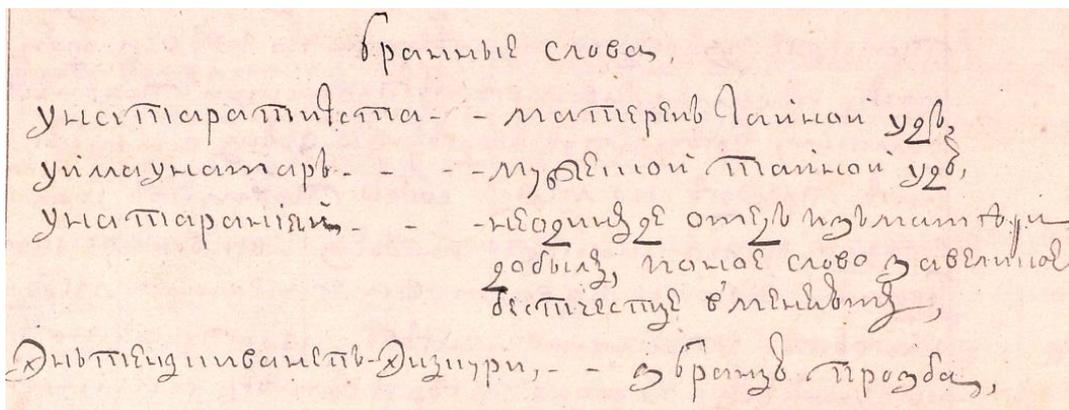


Photo 5. Бранные слова [Abusive language, obscenities] (*Opisanie 1 SPbF-ARAN f.3, op.1, #800a, ll.3-4ob*)

5. Unpublished 19th Kuril Ainu documents in Cyrillic

Kuril'skie Slova [Kuril words] (henceforth KS) is a list of 1609 words/phrases in Cyrillic from the archive of Ilya G. Voznesensky (1816 –1871) (SPbF-ARAN; f.53, op.1, #43) who was a Russian naturalist and explorer of Russian America and Far East. There is no indication of the author's name and the date of compilation. As already mentioned in §1, only one third of this document's material is reflected in Vovin (1993) but the rest has never been published. The document is mentioned in Vdovin (1954: 103) and Miyaoka (1985: 154) and is known through the manuscript of A. Pinart.

As noted in Vovin (1993) the handwriting in KS is different from the handwriting in other manuscripts for which Voznesensky's authorship is certain. Our research has revealed that the document was compiled or, at least, copied by a man called Filat Druzhinin who was a "creole" (mixed-blood) graduate of the school in Novo-Arkhangelsk (now Sitka, Alaska), which used to be an important settlement for the Russian-American Company, later designated the capital of Russian America. We were able to find a letter of I. G. Voznesensky called *Наставление, данное Филату Дружинину при оставлении его на острове Урупе* [Instructions to Filat Druzhinin on leaving him on the Urup Island] (June 9, 1844) in which he assigns Druzhinin to work on botanical, zoological and mineralogical descriptions of the island for one year (SPbF-ARAN; f.53, op.1, #12). We also found Filat Druzhinin's completion report *Сведения о XIII курильском острове Урупе/иначе именующийся Александр* [Information about 18th Kuril Island Urup, also called Alexander] (1845) (SPbF-ARAN; f.53, op.1, #14). The handwriting in both documents ('Instructions' were dictated to F. Druzhinin) and also in *Kuril'skie slova* are the same.

It is quite clear that the glossary was not compiled on the Urup Island. As F. Druzhinin states in his report, when he stayed in Urup in the period from June 12, 1844 to June 26, 1845, there were no indigenous people left, and he found only nine

abandoned indigenous dwellings. According to the previous survey of 1829, there still lived seven people but all of them have died an unnatural death. So it is likely that the glossary was compiled in the end of June 1844 after Voznesensky had dropped Druzhinin at Urup and his ship “Promysel” sailed to the Northern Kurils (Aleksseev 1977: 40) spending 1 day on Shimushir and 13 days on Paramushir and Shumshu (SPbF-ARAN; f.53, op.1, #13). Another compilation possibility is one year later, i.e. when Voznesensky came back to Paramushir from Novo-Arkhangelsk on the ship “Naslednik Alexander” to pick up F. Druzhinin who was supposed to arrive there himself from Urup by a small boat. After picking up F. Druzhinin, the ship went to Island Makanrushi²⁴ (磨勘留島) inhabited by the Ainu and then directly to Ayan, a Northern Russian port on the shore of the Okhotsk Sea. In the former case, the glossary would have been compiled by one of Voznesensky’s assistants or even obtained from some Russian compiler living on Shumshyu, Paramushir or Shimushir in 1844, while F. Druzhinin has only copied the material. In the latter case (less likely), the glossary could have been compiled by F. Druzhinin himself on Makanrushi in 1845 after he joined the trip.

The manuscript has a structure of a Russian-Ainu glossary organized in the order of Cyrillic alphabet (**Photo B**). The handwriting is clear and gives an impression of an elaborate copy made later rather than fieldnotes. There is also an appendix to the dictionary with Russian phrases translated into Ainu, given in random order, then numerals, names of months, a list of islands and a map consisting of another nine small islands (*mosir, kotan*) and sea rocks (*watara*) with the original Ainu toponyms. Only a handwriting in the map is identical with that in Voznesensky’s works (e.g. *Путь на Курильские острова* [A way to the Kurils], SPbF-ARAN; f.53, op.1, #13, ll.1ob-2ob).

Overall a Kuril variety of the Ainu language in the glossary is very close to Hokkaido Ainu and particularly to that of Southern Hokkaido (Saru). For example, first person singular and plural markers *ku-* and *ci-* alternates with *k-*²⁵ (1) and *c-* (2) before vowels and the independent first person singular and plural pronouns are *kani* (1) and *cokay* (#1280) as in Saru/Chitose while in all other Hokkaido and Sakhalin Ainu dialects the vowel does not drop out (1SG: *ku-*, *kuani*; 1PL: *ci-*, *cioka(y)*). Also, all Ainu dialects avoid encoding first person subject and second person object by concatenation of the 1SG/PL.A and 2Sg/PL.O morphemes (**ku-e-*) and employ other strategies. For example, in Saru, the combination of 1SG/PL.A+2SG/PL.O is encoded with *eci-* as in (3), which is originally a marker of 2PL.A/S/O, and the same form is

²⁴ From Ainu *makan-ru-sir* (go.to.the.inner.side-path-appearance) ‘a path to the north’.

²⁵ Unlike Saru/Chitose, the vowel dropping in *ku-* occurs even before /i/, e.g. *k-i-ukawkaw* (1SG.S-ANTIP-sew) ‘I sew’ (#1473), instead of the glide formation phenomena as in Saru: *ku-y-ukawkaw*.

attested in KS.

On the other hand, some grammatical particles are cognate with those of Sakhalin, e.g. the negation particle *hein* (4), which is also reported in Murayama as *ein* (1971: 52) based on Steller (included in Klapproth 1823), cf. *ham* in Sakhalin (Murayama 1971: 52) and Eastern Hokkaido dialects (*henne* in Okuda 1999). While Murayama (1971: 52) points out that the form *ein* collected by Steller in Krasheninnikov's materials may have derived from the miscopy of **hem*, the form *hein* (4) found in Voznesensky's material suggests that Murayama's assumption should be reconsidered and that *ein* in Krasheninnikov's materials does not necessarily derive from a miscopy of the original form like *hem* contrary to Murayama's suggestion. If so, we can assume that *hein* here may phonetically correspond to a form like [he:n], which can then be interpreted phonologically as /hen/, where its long vowel is supposed to be caused by intonation .

- (1) 'Я ходилъ' Канѣ-команатѣкъ (#1397)

<i>kani</i>	<i>k-oman</i>	<i>a</i>	<i>tek</i>
1SG	1SG.S-go	PRF	aspect?

'I went.'

- (2) 'Получили' Чуга (#844)

<i>c-uk</i>	<i>a</i>
1PL.A-take	PRF

'We got it.'

- (3) 'Покажу' Ечь-нугари (#919)

eci-nukar-e
1SG.A+2SG.O-see-CAUS
'I will show it to you.'

- (4) 'Не боимся' Геин-орипакасъ (#654)

<i>hein</i>	<i>oripak-as</i>
NEG	be.afraid-1PL.S

'We are not afraid.'

Finally, some grammatical particles seem to be peculiar to Kuril Ainu and/or to its variety documented in *KS*. For example, the intentional mood particle is *kunsu* (#34, 906, 912), while it is *kusu* elsewhere.

- (5) ‘Приду’ кекеъ-кунсу (#912)
k-ek **kunsu**
 1SG.S-come.SG going.to.AUX
 ‘I will come.’

The lexicon of the KS variety of Kuril Ainu is mixed: some items cluster with Southern Hokkaido (Saru/Chitose) and others with Eastern Hokkaido and Sakhalin Ainu, which among other features show a *pa: ca* [tʃa] correspondence in a limited number of words²⁶, e.g. *pa* ‘head’, *patoy* ‘lips’, *parunpe* ‘tongue’, *pas* ‘run’ vs. *ca* ‘head’, *catoy* ‘lips’, *carunpe* ‘tongue’, *cas* ‘run’, see details on the distribution in Fukazawa (2014, 2016). KS is inconsistent with regard to the *pa: ca* correspondence; for instance, it has *pa* for ‘head’ (#199) but *car* for ‘mouth’ (#980), *catoy* for ‘lips’ (#160-162) and *cas* for ‘run’ (#25).

Also, Ainu dialects show variation with respect to interrogatives, i.e. Saru/Chitose use *hemanta* ‘what/why’ and *makanak* ‘how’ while other Hokkaido Ainu dialects use *nep* ‘what’ and *nekon* ‘how’ (Fukazawa, to appear in A. Bugaeva (ed.) *Handbook of the Ainu Language*). Kuril Ainu in KS behaves as Saru/Chitose, i.e. *hemat* ‘what’ (#1342) and *makanta* ‘how’ (#461, 1338, 1339).

- (6) ‘Какъ вы называете свой островъ’ Маганта Екетану реге ана (#1339)
Makanta *e-kotan-u* *re-he* *an* *a?*
 how 2SG.A-island-PSD name-PSD exist.SG Q
 ‘What is the name of your island?’

- (7) ‘Чего ты хочешь или просишь за этаго бобра?’
 Гематъ-тан-рако тасо Егон-роса (#1364).
Hemata *tan* *rakko* *taso* *e-kon* *rusuy?*
 what this sea.otter in.exchange.for 2SG.A-have DESID
 ‘What would you like in exchange for this sea otter?’

Particular lexical items in KS Kuril Ainu tend to be cognate more often with Northeastern Hokkaido and Sakhalin Ainu rather than with Saru/Chitose, e.g. *oman* ‘go’ (1) as in Sakhalin and Northeastern Hokkaido and *keta* ‘star’ as in Sakhalin and Northern Hokkaido Ainu (Soya) (Hattori 1964: 223); they are *arpa* and *nociw* in Saru/Chitose. Some lexical items seem to be attested only in Kuril Ainu, e.g. *nonno*

²⁶ Since phonologically the *ca-: pa-* correspondence is crosslinguistically unusual and occurs only in several lexemes, all of which are likely to be cognate, Kirikae (1994) argues that it is not due to a historical sound change. Rather these are forms that can be traced back to two different roots with similar meanings.

‘mother’²⁷ (#557), *komta* ‘elbow’ (#499), *sunta* ‘fish face’ (#602), *rutu* ‘hair’ (#70), *cacoo* ‘fox’ (#510)²⁸. Some common Ainu words developed additional meanings in Kuril Ainu, e.g. *kotan* means not only ‘village’ but also ‘island’ (#687).

A more detailed analysis of *KS* and existing Kuril Ainu documents is required. We hope that extended Kuril Ainu data combined with the data of Hattori and Chiri (1960) for other Ainu dialects and application of new computational phylogenetics methods will allow us to arrive at a finer classification of Ainu dialects in the future.

6. Comparison between Kuril and Hokkaido Ainu old documents: Newly discovered words

The 18th century Ainu documents by O. Argunov present many challenges for transcription and interpretation. It must be noted that the abusive language of *Opisanie I* (SPbF-ARAN; f.3, op.1, #800a, ll.17-26) has hardly ever been documented for any Ainu variety (see **Photo 5**), so the significance of this finding can hardly be overestimated. Comparison of Kuril and Hokkaido Ainu old documents can reveal forms unattested in other sources.

- (8) *Унатаратитста* матерень тайной удъ
unataratitsta ‘female genitals’
unatarā-cit-sta
 ?-vagina-dog
 cf. *sta* ‘dog’ (Kuril Ainu: Krasheninnikov, Dybowski, Voznesensky);
čit ‘vagina’ (Kuril Ainu: Dybowski)
- (9) *Уиманатаръ* мужеской тайной удъ
uimaunatarā ‘male genitals’
u-oma-unatarā
 REC?-enter?-?
- (10) *Унатараніпй* нединъ де отецъ изъ матери добыль, и оноє слово
 завеликое бесчестие в’меняють
unataranipj ‘it is not only father who had sex with mother, which is a very
 shameful characterization’
unatarā ne pe
 ? COP NMLZ

²⁷ Cf. *nonno* ‘flower’ elsewhere in Ainu.

²⁸ Cf. *katuy cacoa* ‘an old bear, a king of bears’ (Hokkaido, Asahikawa) (Hattori 1964: 185).

- (11) *Эньтендкиванепь-энькури* збранья прозба
en'tendkiwanep-en'kuri ? 'a rude request',
 cf. 'Замараль' Ени-ко-кури *enikokuri* 'to dirty, contaminate, dishonor sth/sb' (KS #348)

As we can see, there is a recurring mysterious word *unatarā*, which is not attested in any published Ainu dictionary. Nevertheless, quite unexpectedly *unatarā* and its cognates *onatarā* and *onabaha* are found in *Ezosaezuri* (狄さへつり) 'Ezo twittering' (see (12)-(16)) for which neither the author/place nor the date are known but, as argued in Satō (2017), it is probably as old as *Matsumae no kotoba* (松前ノ言) (17th cent.) or *Ezo kotoba* (狄言葉) (1704), since it is characterized by the same tendency in the use of *hentaigana*, see end of §2.

Although the Japanese translations of the words below do not show any apparent connection to human/animal genitals or sexual relations and the Russian translations do not show any connection to 'father/mother killing', all of them are obscenities (dirty words) without doubt. In fact, Russian and Japanese translations do not render the actual Ainu meanings of these words, but rather they can be regarded as contextual equivalents in the respective languages. In fact, most obscenities in Russian deal with genitals or unconventional sexual relations while in Japanese they often refer to killing close relatives. Thus the *unatarā* enigma is not fully solved and we can only speculate as to what the actual meanings of these Ainu words were.

- (12) おな多ら (おなたら) 「父殺」 *onatarā* 'father-killing'
 (13) おなバ者 (おなばは) 「母殺」 *onabaha* 'mother-killing'
 (14) 於奈たら 「おなたら」 *onatarā* (悪敷言事母ト言事) 'bad things about mother'
 (15) おなぼ 「同断 父ト言事」 *onaba* 'bad things about father'
 (16) うなたら 「散々なる事」 *unatarā* 'terrible things'.

7. Comparison between Hokkaido, Sakhalin and Kuril Ainu old documents: A suggestion for the reconstruction of Ainu

This section focuses on words for 'good' and 'dark' in Ainu dialects because they reveal a lot about the history of Ainu. In modern Ainu dialects, phonetically they are [pir̥ika] and [sir̥ikunne], i.e. the preceding vowel is copied after /r̥/, which is a general rule on the formation of all *r*-final syllables in Ainu. However, phonologically these words are /pir̥ka/ and /sir̥kunne/. The phenomenon in question has been referred to as "re-sounding" (Kindaichi 1931: 11), "parasitic" (Peng 1970), or "echoing" (Tamura 1988: 13) the preceding vowel. There are minimal pairs like *kér* 'shoes' (pronounced as [kere] or [kerə]) and *keré* 'to touch'. As to the former, the "re-sounding" vowel disappears when followed by another vowel or when a final /r̥/ undergoes assimilation/dissimilation processes, while the latter always stays as /-rV/, for details

see Shiraishi (to appear in A. Bugaeva (ed.) *Handbook of the Ainu Language*).

Next, we examine words for ‘good’ and ‘dark’ in old Ainu documents in *kana* for Hokkaido Ainu and Cyrillic for Sakhalin and Kuril Ainu. As we know, *kana* is syllabic so there is no way to transcribe /r/ without any vowel. However, contrary to our expectations the accompanying vowels in words for ‘good’ and ‘dark’ are not the same, i.e. there is [u] after /r/ in ‘good’: *piruka* but [i] in ‘dark’: *shirikunne*.

- (17) ‘good’: びる可 (*biruka*) (*Matsumae no kotoba*) (Satō 1999);
 ぴる可 (*piruka*) (*Ezodan hikki* 1710) (Satō 2009);
 飛類可 (*hiruka*), 飛ゝるか (*biruka*), 飛る可 (*hiruka*), 飛ゝるか
 (*biruka*), 飛るか (*hiruka*)²⁹ (*Ezo kotoba* 1704), same in (*Ezoki* 1795);
 cf. きゝ里 (*kikiri*) *kikir* ‘bug’ (*Ezoki* 1795);
 ビルカ (*biruka*) (*Hokkai zuihitsu* 1739)
- (18) ‘dark’: 志りく川ね (*shirikunne*) (*Matsumae no kotoba*) (Satō 1999);
 志りくん祢 (*shirikunne*) (*Ezodan hikki* 1710) (Satō 2009);
 志りくん祢 (*shirikunne*) (*Ezoki* 1795);
 cf. ‘land, atmosphere’: シリ (*shiri*) (*Hokkai zuihitsu* 1739)

Importantly, old Ainu documents in Cyrillic show the same tendency, i.e. *py* (ru) (19) or *p* (r) (20) in ‘good’ but *pu* (ri) (21) or *p* (r) (22) in ‘dark’.

- (19) ‘good’: ‘Хорошо’ Пирука (*piruka*)³⁰ (Davydov 1812: 376),
 ‘kind’: ‘Добро’ Пирукава (*pirukawa*), ‘Добрый’ Пирука гуру
 (*piruka guru*), ‘kind heart’: ‘Доброе сердце’ Кеутомо пирука
 (*keutomo piruka*) (p. 349, see also p. 344, 374)
- (20) ‘good’: ‘Доброй’ Пиргапъ нисьпа (*pirgap nishpa*),
 пирга-кур (*pirga kur*) (KS #247)
- (21) ‘dark’: ‘Темно’ Ширикунни (*shirikunni*) (Davydov 1812: 373),
 Cf. ‘bad weather’: ‘Погода дурная’ Шири увень (*shiri uwen*) (p. 365)
- (22) ‘dark’: ‘Темно’ Сиргурукъ (*shirkuruk*) (KS #1187, #1194)

²⁹ In this period, both characters 飛 and 飛ゝ indicated /pi/.

³⁰ Cf. a different word *piriba* ‘rub’ (тереть).

The question is why る (ru) /ル (ru) or Cyrillic **py** are used in *pirka* ‘good’, whereas 里(ri) /り(ri) or Cyrillic **pi** are used in *sirkunne* ‘dark’? Satō (2015b, 2016a, 2016b) suggests reconstructing a superheavy syllable structure *CVHC for Proto-Ainu where *H is an unidentified hypothetical consonant. In proto-Ainu, *pirka* ‘good’ may have been **piHr.ka* with an *H sound intervening between *i* and *r*. Since *r* was separated from *i* by an *H sound, it was not directly influenced by this *i*, therefore it was written with る (ru), which means there was no re-sounding. In contrast, in forms like *sir* ‘land’ the *H consonant was absent historically and so *r* was adjacent to *i* and became palatalized, which is reflected in the notation り (ri) expressing re-sounding.

8. Concluding remarks

This paper provides a brief overview of old documents of Ainu in *kana* and Roman/Cyrillic alphabets, which are indispensable for the study of history of Ainu. The focus is on unpublished Kuril Ainu documents in Cyrillic. We have shown that, despite many difficulties in accessing and deciphering, the study of old Kuril Ainu documents and their comparison with Hokkaido and Sakhalin Ainu documents is very promising because it is quite possible to find some new vocabulary items (e.g. obscenities including the word *unataru* which appeared in both unpublished Kuril Ainu materials in Cyrillic and *kana* materials but are not attested in any published Ainu dictionary), identify new meanings of words (e.g. in Kuril Ainu, *kotan* means not only ‘village’ but also ‘island’ (KS #687)), and even attempt to recover Proto-Ainu through the reconstruction in phonology (e.g. *CVHC syllable structure in PA based on words for ‘good and ‘dark’ in Hokkaido, Sakhalin and Kuril Ainu old records) and grammar (person marking and negation).

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Abbreviations

1/2/3/4 = 1st/2nd/3rd person, A = transitive subject, ANTIP = antipassive, AUX = auxiliary, CAUS = causative, COP = copula, DESID = desiderative, NEG = negation, NMLZ = nominalizer, O = object, PL = plural, PRF = perfect, PSD = possessed, Q = question marker, REC = reciprocal, S = intransitive subject, SG = singular.

References

- Alekseev, Aleksandr Ivanovich (1977) *Ilya Gavrilovich Voznesensky*. Moskva: Nauka.
- Alonso de la Fuente, José (2012) *The Ainu Languages: Traditional Reconstruction, Eurasian Areal Linguistics, and Diachronic (Holistic) Typology*. Doctoral dissertation, University of the Basque Country.
- Argunov, Osip (unpublished manuscript, 1742) *Opisanie na pervom ostrovu zhivuscikh kurilov, o ikh obychayakh i povedenii* [A description of the Kuriles living on the first island [Paramushir], their customs and behavior]. St. Petersburg Branch of the Archive of the Russian Academy of Sciences, f.3, op.1, #800a, ll.17-26.
- Argunov, Osip (unpublished manuscript, 1742) *Opisanie puti ot ust'ya Bol'shoy reki do Kuril'skoy Lopatki i ottuda do pervogo, vokrug Vtorogo i vozvratno vokrug zhe Pervogo ostrovov Kuril'skikh podle morskoy bereg vodnym putem, vpadayuscim rekam i rechkam* [A description of the way from the estuary of the Bolshaya River to the Kuril Lopatka, then to the first island [Shumshu], around the second island [Paramushir] and then back around the first island along the sea shore by sea, rivers and small rivers]. St. Petersburg Branch of the Archive of the Russian Academy of Sciences, f.3, op.1, #800a, ll.5-16ob.
- Austerlitz, Robert (1976) L'appellation du renne en japonais, aïnou et surtout en ghiliak. In: W. Heissig, J.R. Krueger, F. Oinas & E. Schütz (eds.) *Tractata Altaica Denis Sinor sexagenario optime de rebus altaicis merito dedicata*, 45–49. Wiesbaden: Harrassowitz.
- Batchelor, John (1889) *Ezo eiwa santai jisho* [An Ainu-English-Japanese dictionary, and grammar]. Tokyo: Hokkaidōchō.
- Batchelor, John. (1938) *An Ainu-English-Japanese Dictionary*. Tokyo: Iwanami Shoten.
- Bugaeva, Anna (ed.) (to appear) *Handbook of the Ainu Language* (HJLL v.12). Berlin/Boston: De Gruyter Mouton.
- Chiri, Mashiho (1953) 1975. *Bunrui ainugo jiten. Shokubutsuhen, dōbutsuhen* [A classified dictionary of Ainu. Plants and Animals]. Reprinted in Chiri Mashiho chosakushū bekkān 1, Tokyo: Heibonsha.
- Cieslik, Hubert (1962) *Hoppō tankenki* [A record of an expedition to the northern region]. Tokyo: Yoshikawa kōbunkan.
- Davydov, Gavril Ivanovich (1812) *Slovar' narechiy narodov obitayushchikh na yuzhnoy okonechnosti poluostrova Sakhalina, sobranniy na meste pokoynym*

- leytenantom Gavriloyu Davydovym [A dictionary of ethnolects of peoples inhabiting the southern recesses of the Sakhalin Peninsula collected on location by the late lieutenant Gavriila Davydov]. In: I. F. Kruzenshtern *Puteshestviye vokrug sveta v 1803, 4, 5 i 1806 godakh na korablyakh Nadezhde i Neve* [Circumnavigation in 1803-1806 on ships Nadezhda and Neva]. Vol. 3. StP.: Morskaya tipografiya, 342-380.
- Dahl, Vladimir Ivanovich (1880–1883) *Tolkovyj slovar' zhivogo velikorusskogo jazyka* [The Explanatory Dictionary of the Living Great Russian Language]. I–IV (2nd ed.). St. Petersburg/Moscow: M.O. Wolf Publishing House.
- Dybowski, Benedykt (1892) *Słowniki narzeca Ludów Kamczackich* [Dictionaries of the people of Kamchatka]. *Rozprawy Akademii umiejętności, Wydział Fylologiczny, Serya II, Tom I*. Krakow: 53-119.
- Fukazawa, Mika (2014) The Mystery of the Phonological Distribution /ca/ and /pa/ in the Eastern-Western dialects of Ainu. *Papers from the Second International Conference on Asian Geolinguistics*, 1-13. (<http://agsj.jimdo.com/picag-1-2/>)
- Fukazawa, Mika (2016) *Kagake monjo ni okeru ainugo no bunkengaku-teki kenkyū* [A philological study of Ainu in the Kaga family's archives]. Doctoral Thesis. Chiba: Chiba University.
- Gjerdman, Olof (1926) Word-parallels between Ainu and other languages. *Le Monde Oriental* 20: 29-84.
- Hamaguchi, Yūsuke and Kōji Yokojima (2016) *Matsumae han* [The Matsumae Domain]. Tokyo: Gendaishokan.
- Hattori, Shirō (1959) *Nihongo no keitō* [The origin of the Japanese language]. Tokyo: Iwanami shoten.
- Hattori, Shirō (1964) *Ainugo hōgen jiten* [An Ainu dialect dictionary]. Tokyo: Iwanami Shoten.
- Hattori, Shirō and Chiri, Mashiho (1960) Ainu-go shohōgen no kisogoi-tōkeigaku-teki kenkyū [A Lexicostatistic Study on the Ainu Dialects]. *Minzokugaku Kenkyū* [The Japanese Journal of Ethnology] 24(4): 307-342.
- Hudson, Mark (1999) *Ruins of identity: Ethnogenesis in the Japanese Islands*. Honolulu: University of Hawaii Press.
- Itoya, Kizaemon (1848) *Ezo-kotoba-iroha-biki* [Ainu words arranged in kana order]. ms. kyūki-0732. Hokkaido Daigaku Fuzoku Toshokan [Hokkaido University Library], Sapporo.
- Kayano, Shigeru (1996) *Kayano Shigeru no ainugo jiten* [Shigeru Kayano's Ainu Dictionary]. Tokyo: Sanseidō.
- Kikuchi, Toshihiko. 1999. Ainu tiers with ancient cultures of Northeast Asia. In: William W. Fitzhugh & Chisato O. Dubreuil (eds.) *Ainu: Spirit of a Northern people*. Washington: Arctic Studies Center, Smithsonian Institution, 47-51.

- Kindaichi, Kyōsuke (1924) *Sekai saiko no ezogoi—Sasaki hakushi shozō no ‘Matsumae no gen’ ni tsuite* [The oldest Ainu vocabulary—‘The language of Matsumae’ in Dr. Sasaki’s collection]. *Kokoro no hana* [Flowers of the heart]. Tokyo: Chikuhakukai.
- Kindaichi, Kyōsuke (1931) *Ainu jojishi yūkara no kenkyū* [A study of the Ainu epics] 2. Tokyo: Tōyō bunko.
- Kindaichi, Kyōsuke (ed.) (1972) *Moshiogusa* [Seaweeds used in making salt] by Uehara Kumajirō. *Ainugo shiryō sōsho*. Tokyo: Kokusho kankōkai.
- Kirikae, Hideo (1994) *Pa/ca* correspondence between Ainu Dialects: A linguistic-geographical study. *The proceedings of the 8th international Abashiri symposium: Peoples and cultures of the boreal forest*, 8. Hokkaido Museum of Northern Peoples, Japan.
- Klaproth, Julius (1823) *Asia polyglotta*. Paris: J. M. Eberhart.
- Krashennikov, Stepan Petrovich (manuscript 1738) *Vocabularium: Latine- Curilice- Chuhachtscha-Kamtschice-Ukinice*. St. Petersburg Branch of the Archive of the Russian Academy of Sciences, r.1, op.13, ed.10, l. 209-214ob, 222-223ob.
- Krashennikov, Stepan Petrovich (1755) *Описание земли Камчатки* [Description of Kamchatka land]. St.Peterburg: Imperial Academy of Sciences.
- Kūnen (1704) *Ezo-kotoba* [The words of Ezo]. ms. Fukui shiritsu rekishi minzoku hakubutsukan [Fukui city historical museum]. Printed in: Kunisaki, Toshiyuki (ed.) (2010) *Kaikokusō Shōkō Kūnenshi hōeigannen [1704] Matsumae, Ezochi nōkyōki hu ainugoishū* [An account of a journey to Matsumae-Ezo for presenting copies of sutras to temples written in 1704 by an itinerary priest the Reverend Shōkō Kūnen with his Ainu vocabulary]. Sapporo: Hokkaido Shuppan Kikaku Sentā.
- Kyūkan (1795) *Ezo-ki* (The records of Ezo). ms. 726. Sakata shiritsu kōkyū bunko [Kōkyū library], Sakata.
- Lapérouse, Jean-François de Galaup (1798) *Vocabulaire des habitans de’île Tchoka [Sakhalin] Formé à la Baie de Langle [Vocabulary of the Island of Tchoka, formed at Baie de Langle]*. In: Millet de Mureau (ed.) *Voyage de La Perouse autour du monde, pendant les années 1785, 1786, 1787 et 1788*. Paris.
- Lindquist, Ivar (1960) *Indo-European features in the Ainu language: with reference to the thesis of Pierre Naert*. Lund: C.W.K. Gleerup.
- Matsumae no kotoba* [The words of Matsumae] n. d. ms. 080-i-ni-1. Tenri Central Library. Reprinted in: Narita, Shūichi (ed.) (1972) *Matsumae no kotoba*. Tokyo: Kokushokankōkai.
- Matsumiya, Kanzan (1710/1969) *Ezodan hikki* [A report on the Ainu]. ms. kyūki 127. Hokkaido University Library, Sapporo. Printed in: Shinichirō Takakura (ed.) *Nihon shomin seikatu shiryō shūsei* [Collection of materials about the common people’s life] 4, 387-400. Tokyo: San’ichi shobō.

- Miyaoka, Osahito (1985) A. Pinart to kyokuhokushogo kankei shiryō [A. Pinart and materials on Paleosiberian languages. *Hoppō bunka kenkyū* 17: 141-164.
- Mogami, Tokunai (1790/1965) *Ezo-sōshi* [The Ezo storybook]. ms. S Kondō Jūzō kankei shiryō-2-22, 23. Tōkyōdaigaku Shiryō Hensanjo [Historiographical Institute The University of Tokyo], Tokyo. Printed in: Yoshida Tsunekichi (ed.) *Ezo-sōshi*. Tokyo: Jijitsūshinsha.
- Murayama, Shichirō (1971) *Kita Chishima ainugo — bunkengakuteki kenkyū* [Philological studies on Northern Kuril Ainu language]. Tokyo: Yoshikawa Kōbunkan.
- Murayama, Shichirō (1992) *Ainugo no kigen*. [The origin of the Ainu language]. Tokyo: San'ichi shobō.
- Naert, Pierre (1958) *La situation linguistique de l' Ainou: 1, Ainou et Indoeuropéen*. Lund: C.W.K. Gleerup.
- Nakagawa, Hiroshi (1995) *Ainugo chitose hōgen jiten* [A dictionary of the Chitose dialect of Ainu]. Tokyo: Sōfūkan.
- Narita, Shūichi (ed.) (1972) *Matsumae no kotoba*. Tokyo: Kokushokankōkai.
- Okuda, Osami (1999) *Ainugo shizunai hōgen bunmyaku-tsuki goi-shuu (CD-ROM-tsuki)* [Ainu Shizunai dialect lexicon in a context (with CD-ROM)]. Sapporo: Sapporo Gakuin University.
- Patrie, James (1982) *The genetic relationship of the Ainu language*. Honolulu: University of Hawaii Press.
- Peng, F. C. C. and Barron Brainerd (1970) A grammar of Ainu number names. *Lingua* 25: 381-397.
- Pfizmaier, August (1850) Bemerkungen über die von La Peyrouse gelieferte Wörtersammlung der Sprache von Sagalien. *Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften, Philosophisch-historische Classe* (Wien).
- Pfizmaier, August (1851) *Kritische durchsicht der von Davidow verfassten Wörtersammlung aus der Sprache der Aino's*. Wien: K. K. Hof- und Staatsdruckerei.
- Polevoj, Boris Petrovich (1988) Neopublikovannoe sochinenie O. Argunova o severnykh ajnakh [An unpublished essay on the Northern Ainu by Osip Argunov]. *Sovetskaya etnografiya* 3, 72-83.
- Sakakura, Genjirō (1739) *Hokkai zuihitsu* [An essay on the northern region]. ms. 210.088 Ho. H3635. Hokkaido Prefectural Library, Ebetsu. Printed in: Shin'ichirō Takakura (ed.) *Nihon shomin seikatsu shiryō shūsei* [Collection of materials about the common people's life] 4, 401-414. Tokyo: San'ichi shobō.
- Sasaki, Nobutsuna (1925) *Momoyogusa* [Erigeron]. Tokyo: Private print.
- Satō, Tomomi (1995) *Ezokotobairohiki no kenkyū* [A study of *Ezokotoba irohiki*]. Sapporo: Faculty of Letters, Hokkaido University.

- Satō, Tomomi (1998) Tenridaigaku huzoku toshokanshozō Matsumae no kotoba ni tsuite (1) [On an old Ainu vocabulary “Matsumae no kotoba” of Tenri Central Library (1)]. *Hokkaidō daigaku bungakubu kiyō* [The Annual Reports on Cultural Science, The Faculty of Letters, Hokkaido University] 46(3): 41-64.
- Satō, Tomomi (1999) Tenridaigaku huzoku toshokan shozō Matsumae no kotoba ni tsuite (2) [On an old Ainu vocabulary “Matsumae no kotoba” of Tenri Central Library (2)]. *Hokkaidō daigaku bungakubu kiyō* [The Annual Reports on Cultural Science, The Faculty of Letters, Hokkaido University] 47(4): 53-88.
- Satō, Tomomi (2003) Sakata shiritsu mitsuoka buko shozō Ezo-ki no ainugo ni tsuite [Notes on an old Ainu vocabulary in the Sakata City Kōkyū Library]. *Hokkaidō daigaku bungaku kenkyūka kiyō* [The Annual Reports on Cultural Science, The Faculty of Letters, Hokkaido University] 111: 95-118.
- Satō, Tomomi (2008) Ainugo kobunken ni okeru gengogakuteki shomondai. [Notes on Problems in the Study of Ainu Old Documents]. *Hokkaidō daigaku bungaku kenkyūka kiyō* [The Annual Reports on Cultural Science, The Faculty of Letters, Hokkaido University] 124: 153-180.
- Satō, Tomomi (2009) Zyūhasseiki zenhan no ikutsuka no ainugo shiryō ni tsuite [Some materials of the Ainu language in the first half of the 18th century]. *Hokkaidō daigaku bungaku kenkyūka kiyō* [The Annual Reports on Cultural Science, The Faculty of Letters, Hokkaido University] 127: 29-58.
- Satō, Tomomi (2014) Hōeigan [1704] nen Kūnenshōnin hitsuroku ainu goi Ezo-kotoba no gengogakuteki kōsatsu [A study of the Ainu vocabulary collected in 1704 by the Venerable Kunen]. *Hokkaidōritsu ainu minzokubunka kenkyū sentā kiyō* [Bulletin of the Hokkaido Ainu Culture Research Center] 20: 1-133.
- Satō, Tomomi (2015a) Hōeigan [1704] nen Kūnenshōnin hitsuroku ainugoi Ezokotoba no kana/onso taiōhyō [The index of *kana*-phoneme correspondences to the Ainu vocabulary collected in 1704 by the Venerable Kunen]. *Hokkaidōritsu ainu minzokubunka kenkyū sentā kiyō* [Bulletin of the Hokkaido Ainu Culture Research Center] 21: 1-25.
- Satō, Tomomi (2015b) Ainugo no gōseigo no akusento kisoku to sono régai ni tsuite [Accent rules of compound nouns in Ainu and their exceptions]. In: Anna, Bugaeva and Iku Nagasaki (eds.) *Ainugo kenkyū no shomondai*, 1-13. Sapporo: Hokkaido Shuppan Kikaku Sentā.
- Satō, Tomomi (2016a) Ainugo kobunken kenkyū to jōhōshori [Information science and the study of the Ainu language]. In: Shigehiro Katō and Tomomi Satō (eds.) *Jōhōkagaku to gengokenkyū*, 147-171. Sagamihara: Gendaitosho.
- Satō, Tomomi (2016b) Gengoshi no kenkyūhōhō to ainugo shi no shomondai [Methods of the historical study of language and problems of the history of the Ainu language]. *Rekishi gengogaku* [Historical Linguistics in Japan] 5: 79-89.

- Satō, Tomomi (2016c) *Ezokotoba no kenkyū* [A study of an Ainu vocabulary with the title “Ezokotoba”]. Graduate School of Letters, Hokkaido University.
- Satō, Tomomi (2017) *Ezosaezuri no kenkyū* [A study of an Ainu vocabulary with the title “Ezosaezuri”]. Graduate School of Letters, Hokkaido University.
- Satō, Tomomi (2018) Ainugo kobunken ni okeru kana no yōhō—nihongo to ainugo to de hyōkizyō no sai wa sonzai suruka] [Usage of variant kana glyphs in old documents : Are there any notational differences between Japanese and Ainu?]. *Hokkaidō daigaku bungaku kenkyūka kiyō* [Bulletin of the Graduate School of Letters, Hokkaido University] 154: 73-99.
- Tamura, Suzuko (1988) Ainugo [The Ainu language]. In: Takashi, Kamei, Rokurō, Kōno and Eiichi, Chino (eds.) *Gengogaku daijiten* [Encyclopedia of linguistics] 1: 6-94. Tokyo: Sanseidō.
- Tamura, Suzuko (1996) *Ainugo saru hōgen jiten* [A dictionary of the Saru dialect of Ainu]. Tokyo: Sōfūkan.
- Tanaka, Satoko and Toshikazu, Sasaki (1985) Kinsei ainugo shiryō ni tsuite [Materials of the Ainu language in the Edo era]. *Matsumaehan to matsumae* [Matsumae Clan and Matsumae] 24: 17-32.
- Terashima, Ryōan (1712/1998) *Wakan sansai zue* [Illustrated Sino-Japanese Encyclopedia]. Osaka: Kyōrindō. (CD-ROM. Tokyo: Ozorasha)
- Torii, Ryūzō (1903) *Chishima Ainu* [The Kuril Ainu]. Tokyo: Yoshikawa kōbunkan.
- Uehara, Kumajirō (1792/1972) *Moshiogusa* [Seaweeds for making salt]. Reprinted in Shūichi Narita (ed.) *Moshiogusa*. Tokyo: Kokushokankōkai.
- Uehara, Yūji (1824) *Ezogo-shū* [Collection of Ainu words]. ms. toku-095-0003. Kokuritsu Kōbunshokan [National Archives of Japan], Tokyo.
- Vdovin, Innokentiy Stepanovich (1954) *Istorija izutcenija paleoaziatskix jazykov* [A history of the study of Paleosiberian languages]. Moskva: Izdatel'stvo Akademii Nauk SSSR.
- Voznesensky, Ilya Gavrilovich (unpublished manuscript, 1844?) *Kuril'skie Slova* [Kuril words]. St. Petersburg Branch of the Archive of the Russian Academy of Sciences, f.53, op.1, #43.
- Voznesensky, Ilya Gavrilovich (unpublished manuscript, 1844) *Nastavlenie, dannoe Filatu Druzhininu pri ostavlenii ego na ostrove Urupe* [Instructions to Filat Druzhinin on leaving him on the Urup Island] (1844). St.Petersburg Branch of the Archive of the Russian Academy of Sciences, f.53, op.1, #12.
- Voznesensky, Ilya Gavrilovich (unpublished manuscript, 1844) *Put' na Kuril'skie ostrova* [A way to the Kurils]. St. Petersburg Branch of the Archive of the Russian Academy of Sciences, f.53, op.1, #13.
- Voznesensky, Ilya Gavrilovich (unpublished manuscript, 1845) *Svedeniya o XVIII kuril'skom ostrove Urupe/inache imenuyuscijsya Aleksandr* [Information about

18th Kuril Island Urup, also called Alexander]. St. Petersburg Branch of the Archive of the Russian Academy of Sciences, f.53, op.1, #14.

Vovin, Alexander (1993) *A reconstruction of Proto-Ainu*. Leiden: E. J. Brill.

Summary

Focusing on the cross-dialectal comparison is particularly important in the case of language isolates like Ainu, which lack outside comparisons. Unfortunately, Kuril Ainu, which is absolutely indispensable for the reconstruction, disappeared in the late 19th century with just few old documents left. This study presents several newly discovered unpublished Kuril Ainu documents, i.e. *Opisanie na pervom ostrovu zhivuscikh kurilov...* [A description of the Kuriles living on the first island...] by O. Argunov (1742) and *Kuril'skie Slova* [Kuril Words; I.G. Voznesensky's archive] (1844?) from the St. Petersburg Branch of the Archive of the Russian Academy of Sciences and attempts to revise Murayama's (1971) overview of Kuril Ainu and pursue historical research on a number of issues. Though Murayama (1971) notes that Kuril Ainu is extremely important for Ainu dialectology and history of Ainu, he does not give any concrete examples of how it can actually be used for this purpose. This paper suggests that Kuril Ainu old documents can reveal a lot only when compared with old documents of other dialects, i.e. Hokkaido and Sakhalin Ainu. Despite many difficulties in accessing and deciphering, the study of old Kuril Ainu documents and their comparison with Hokkaido and Sakhalin Ainu documents is very promising because it is quite possible to find previously undocumented vocabulary items (e.g. obscenities including the word *unatarā* which appeared in both unpublished Kuril Ainu materials in Cyrillic and *kana* materials), identify new meanings of words (e.g. in Kuril Ainu, *kotan* means not only 'village' but also 'island'), and even attempt to recover Proto-Ainu through the reconstruction in phonology (e.g. *CVHC syllable structure in PA based on words for 'good and 'dark' in Hokkaido, Sakhalin and Kuril Ainu old records) and grammar (person marking and negation).

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