Origin of the word-initial consonant system of the Japanese-Ryukyuan (JR) language from Oceanic consonant system: Elucidation by JR-Oceanic consonant correspondence laws

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Abstract: proto-Japanese-Ryukyuan (pJR) word-initial word-initial consonants were found to regularly correspond to Malayo-Polynesian (MP)/Oceanic (OC) consonants. A nealy complete list of the correspondence laws were obtained based on cognate list of (p)JR and MP/OC. New Caledonian group shows close similarity in cognate comparison with pJR. *Keywords*: Consonant-correspondence laws, Oceanic affinity, New Caledonian

I. INTRODUCTION

The Japanese-Ryukyuan (JR) language (or language family) consists of Mainland Japanese (Ml.Jp) and Ryukyuan (Ryukyuan), and has been found to be closely related to Oceanic [1][2][3], although other theories such as Altaic affinities, Dravidian affinity, etc. have long been argued [4]. This paper elucidates Oceanic (especially New Caledonian) affinity of proto-JR (pJR).

II. METHODS, RESULTS, DISCUSSIONS

JR words (Mainland Japanese (Ml.Jpn.), Ryukyuan (Ryu.) were compared with Austronesian (AN) vocabulary listed in Tryon's "Comparative AN

Dictionary" (1995) (CAD*). JR-AN cognates thus found are listed in Table 1, from which word-initial consonant correspondence laws have been established in most cases as shown in Table 1 (Revised from [2]). Close phylogenetic affinities of JR to Oceanic/New Caledonian are undoughtedly established.

References: [1] Murayama,S.(1995) "Nihongo no Hikaku-Kenkyuu (Comparative Study of the Japanese language)", San'ichi Shobo. [2] Ohnishi (1999) Evolution of Mongoloid Languages, Shokado, Kyoto. [3] Ohnishi, K.and Kiriyama, M. (2008): New Caledone an origin of the Japanese-Ryukyuan language elucidated by word -initial consonant correspondence laws, and the importance of Ha teruma dialect. Materials of the Research Center for Okinawa L anguages (Okinawa Gengo-Kenkyuu Sentaa Shiryou) #173 (pp. 1-18) (In Japanese with Tables in English). [4] Shibatani,M.: The Languages of Japan, Cambridge Univ. Press., Cambridge.

Table 1.Word-initial consonant correspondeces between proto-Japanese-Ryukyuan (pJR) and Austronesian (AN) languages.

ABBREVIATIONS : ## *xxx = reconstructed form, "A < B", "B > A" = A has/had been derived from B, B has/had converted to B, "A < > B" = A is phylogenetically related to B.; pXX = proto-XX (e.g. pIE, pAN, pMP, pOC),Wr. = Written, [XXX] = closest cognate(s) in AN, dial. = dialect # Language names : pX = proto-X (e.g., pIR, pAN, pMP, etc.) # JR = Japanese-Ryukyuan : MiJpn.= Mainland Japanese, O.MiJpn.= Old MIJpn.; RYU = Ryukyuan, Hate.= Hateruma dial., Kuro.= Kuroshima dial.,Take.=Taketomi dial. # A N = Austronesian ; MP = Malayo-Polynesian, pMP = proto-MP. W.MP = Western MP. C.MP = Central MP : SHWNG = South Halmahera and Western New Guiana ; OC = Oceanic. W.OC = Western OC. RecOC = Remote Oceanic, NC = NCal = New Caledonian, MicroN = Micronesian III Others: DRA = Dravidian ; pEsk = proto-Eskimo ; pIE=proto-Indo-European; TbB = Tibeto-Burman III III Literatures : ADD* = An Ainu Dialect Dictionary (ed. by S. Hattori, Iwanami Shoten, Tokyo, 1964) III ANDB* = Austronesian Database (Blast et al.) III CAD* = Comparative Austronesian Dictionary, Parts 1-4. III Coh* = Cohen, E.M./K. (1999): *Fundamentals of Austronesian roots and etymology, Pacific Linguistics D-94*, Australian National University, Canberra. III Handa* = Handa, I.(1999): *Ryuukyu-go Jitten* (半田一師 「療珠蘑酵典」大学書林)III IKJ* = Ohno, S. : Iwanami Kogo Jiten (Iwanami's Old Japanese Dictionary), Iwanami Shoten III Miyara* = Miyara-Zenshuu 8 (Yaeamaa-Goi) (宮良全集8 「八貴山語彙」第一書房) III MRH*=Hirayama, T. (1988)Minami-Ryuukyuu no Hougen Kiso-Goi (平山I輝男」南琉球の方言基礎論彙」 桜繼社) III Mu*95 = 村山七郎 (Murayama, S.) (1995), *日本語の比較研究*, **三 -書房**, 東京, III Pok* = Pokorny, J. (1959) *Indogermanisches etymologisches Woeterbuch I. II.* A. Franke Verlag, Tuebingen und Basel. III RHJ* = Nakamatsu. *Ryuukyuu Hougen Jiten (The Dictionary of the Ryukyu Language*), Naha Shuppansha, Naha. 1987 (中松竹維 「琉球方言辞典」 那覇出版社) III Zorc* = Zorc, R.D., in CAD*, Part 1, Fasc.2, pp.1105-1197.

I. BILABIALS (m-, p-, pⁱ-, b-, β-) and LABIO-DENTALS (f-, v-) ## 1. [pJR] *m- ([Oid Mi Jpn] m- /[RYU] (Hate.) (Kuro.) m-) < [pAN] *m- III # 1.1. 股 CROTCH: {Oid.Mi Jpn.][Mi.Jpn.]/[RYU](Hate.) mata "crotch" (< {pJR} *mata < *mata) III OC: {Kwaio} mataŋ-na "crotch" III # 1.2. 目EYE: [Ml.Jpn.] ma- "cye" (< *mā < *maa < *mara < [pOC] *mata < [pAN] *maCa "eye") III OC: [Lau] mā /[Kwaio] mā(-na) /[Port Sandwitch] mara-n /[Lewo] kila-mara-na //(W.MP) [Adzera] mara- /[Dami] mala /[Takia] mala-n /[Manam, Mabula, Yabem] mata "eye" (< *mata < [pAN] *maCa) IIII # 1.3. 見る to SEE: [pJR] *mir-(uŋ) /[Ml.Jpn.] mir-u /[RYU](Hate.) miruŋ, (Kuro.) min "to see" (< (MP) *mir- "search") III OC: (W.OC)[Dami] -mirē- "to search", imirē-ya "to seek, to look for" (< i- (3rd person, sing.) + -mirē- "search" + ya (INF))

2. [pJR] *p- ([Old Ml.Jpn.] p- /{[Mod.Ml.Jpn.] h-, [RYU] (Hate.) p-) < (MP) *p- III [pJR] *p- //[RYU](Hate.)(Kuro.)(Take.) p- //[Ml.Jpn.] h- IIII # 2.1. #BEARD: [pJR] *pi-ge2 / [Old Ml.Jpn.] pi [ge2 / //[RYU](Yoron dial.) pigi "beard" (< *pi- "cheek" + *ke2 "hair") III OC: [Lewo] pipi-na "cheek" II W.MP: [Bali.] pipi "cheek" III # 2.2. Æ FART: [Old Ml.Jpn.] pë (= pe2) "fart" III OC: [A'jie] pë /[Xaracuu] pe-a-tapo "to break wind"

3. [pJR] *f- ([RYU](Hate.) f- /[Ml.Jpn.] h-) IIII ## 3.1. [pJR] *fu- ([RYU](Hate.) fu- /(Kuro., Take.) Φ u- /[Ml.Jpn.] hu-) < (MP) *bu- (OC: fu-, vu-, pu-, bu-, β u-) IIII # 3.1.1. $\mathbf{X} <$ to BLOW: [pJR] *fu-ku(N) /[Ml.Jpn.] huku, Φ uku //[RYU] (Hate.) fukuN / (Kuro.) Φ uku /(Takeshima) Φ ukuN "to blow" (< *fu- "to blow" + *.ku " verbal suffx meanng "to do. to make". where *fu- < [pMP] *bu- "to blow". and *-ku < (MP) ku ~ gu "to do") : [Ml.Jpn.] ibuk-u "to blow" (< *fu- "to blow" + *.ku " verbal suffx meanng "to do. to make". where *fu- < [pMP] *bu- "to blow". and *-ku < (MP) ku ~ gu "to do") : [Ml.Jpn.] ibuk-u "to blow" (< *i-bu-) III OC: [Tolai] vuvu " blow" (< *vu < *bu "to blow") : [Roviana] vua /[Mekeo] (dialects) bua, boa, poa "to blow" (< *bu-a) : [Maringe] ifu "to blow" : (-*vu < *bu "to blow", [Eauly] μ u- μ ([Eauly] (Hate.) fut. (Auro.) (Takeshima) Φ uta "cover" (< *bu-a) : [Maringe] ifu "to blow". (blow". "to blow". (Bull # 3.1.2. **& COVER**: [Ml.Jpn.] huta /[RYU] (Hate.) futa /(Kuro.)(Takeshima) Φ uta "cover" (< *buta) (EML*, p.88) III C.MP: [Sika] μ ua "cover" (< *buta) III # 3.1.2. **& COVER**: [Ml.Jpn.] huta /[RYU] (Hate.) IIII # 3.1.3. \Box TWO: [pJR] *futa-/[RYU] (Hate.) futa-: to / (Kuro.) Φ uta -[fi /[MdernMI.Jpn.] huta-tsu "two" (< *fut-(a) < (OC) *fut- < *buta-) IIII # 3.1.3. \Box TWO: [pJR] *futa-/[RYU] (Hate.) futa-: to / (Kuro.) Φ uta -[fi /[MdernMI.Jpn.] huta-tsu "two" (< *fut-(a) < (OC) *fut- < *buta-) III OC: [Tolai] evut, ivut "two" (< *e-vut, *i-vut < *-vut "two")

4. [pJR] *b^w ~ *b- IIIIIII ## 4.1. [pJR] *b^w ~ * β - ([RYU](Hate.) b- /[ML.Jpn.] w-) ([pJR] *ba-, *bo-, *bi-) < [pMP][pAN] *b- (0C: b^w-, p^w-, \beta-, b^w-, b^w

v-, w-, p-) IIII # 4.1.1. 腹 BELLY, 内臓 GUTS: [pJR] *b*atta ~ *βatta /[RYU](Take.) batta (Hate., Kuro.) bata/(Kabira) bada /(Shuri in Okinawa) (Sani in Amami-Oshima) wata //[MLJPN] wata "belly, guts. owels" III W.MP: [Konjo] battaŋ /[Javanese] wəteŋ "stomach" (<*bat(t)aŋ) : [Balinese] basaŋ "stomach, intestines, guts" ; [Molbog] babat (<*bat) "stomach" II SHWNG: [Irarutu] Φəta "stomach" II OC: (NC)[Xaracuu] b*ati /[A'jie] p*ari "stomach" (<*b*ati <*bati ~*b(a)bati), ?[Adzera] wasa? "inside, middle"; (Vanuatu: from ANDB*) [Tape] vetən /[Nahavaq] βeti "belly" IIII # 4.1.2. 第 MAN /MALE: [pJR] *b^{*i}-~*βi "man, male", [RYU] (Hate.) bi-dumu "man" (<[pJR] *bi-domo <*bi- "male, man" + *-domo "nomnal suffix meanng plural", Cf. [MI.Jpn.] ko-domo "chiild" < orignal meanng: "children".), (Kuro.) biki-dumu "male person" III OC: [Kaulong] βi "man" (<*bi), [A'jie] wi "male" (<*bi)
IIII # 4.1.3. 差t/YOUNG: [pJR] *b*aga-~*βaga (<*bag(u)?a<*bag(u)?a< (MP) *baq(u)ra < [pAN] *baq(e)RuH "new") /[RYU] (Hate.) (Take.) baga/(Kuro.) baha-//[Ml.Jpn.] waka- "young" III AN: [pAN] *baq(e)RuH "new", (W.MP)[Aceh] bag?uh /[Palawan][Murut] bagu /[IndoN][Sasak] baru /[Uma] bo?u "new" II OC: [Yabem] waku? /[Roviana] vagura /[Kilivila] -βau /[Tawala] wou-na /[Nyindrou] ha?u "new" II FORM:[Paiwan] vaku-a "new" (<*baqu-III uralic: [proto-Finno-Ugric] *wuð'e- (<*wouð'e- <*bo?use <*baguH-(e) < [pAN] *baqRuH- "new") IIII IIII #4.2.2. Œ LIP: JR: [MI.Jpn.] kutibiru "lip" (kuti "mouth"), *-biru <(MP) *bi <*bi = *bi - %iel "lip.N] *bi-lik "lip.] iby" IIII @hakarce] bibir /[Sundanese] bibir /[Isna, buki = 'bibir 'i[pAN] *bi-lik "III [pAN] *bi-lik "lip.] iby" III W.MP: [Batak Toba][Madurese] bibir /[Sundanese] bibir /[Jan.] kuti-biru "lip" (kuti "mouth"), *-biru <(MP) *bi- <*bi > bic *bi >: [Kalinga Limos] sū-bil "lip, lips" II W.MP: [Batak Toba][Madurese] bibir /[Sundanese] bibir /[Jan.] kuti-biru "lip" (kuti "mouth"), *-biru <(MP) *bi- *bi <*bi >bi / Sagarat III [pAN] *bi-yis "lip.lips" III #4.2.2. Œ LIP: JR: [MI.Jpn.] kuti-biru "l

II. DENTAL and ALVEOLAR (t-, n-, s-) ## 5. t- [IIIIIII ## 5.1. [pJR] *t- {[MI.Jpn.] t- /[RYU](Hate., Koro., Take.) t- } < [pMP][pAN] [pOC] *t-## # 5.1.1. 🛱 BIRD: [pJR] *to2n ~ *ton //[Old Jpn.] tori (= to2n]) /[Ml.Jpn.] tori //[RYU] (Hate.) turi /(Kuro.) turi /(Takeshima) tui "bird, fowl" ([pJR] *to2ri < [pJR] *tori < (MP) *toru) ||| C.MP: [Dobel] toru "fowl" |||| #5.1.2. F HAND: [M].Jpn.] *ta- "hand" (Found in compounds such as; ta-na-gokoro "palm of hand", ta-suku "to help, to rescue"), [MI.Jpn.] *ta- < *ta- "hand". III W.MP: [Bangingi Sama] [Batak Toba. IndoN, Minangkabau][Javanese. Madurese] taŋan "hand" (< *taŋ-an < *taŋ- "hand" + *-an (= nominalizer meaning "place where (stem) is found/done", CAD*, Part I-1, p.478)) || OC: [Samoan] tapea "elbow" < *ta-pea < *ta- "hand" + pea "?") IIII # 5.1.3. 太陽 SUN: [RYU] tida /(Kuro.) tida /(Shuri) ti:da /(Kurezhima) ti:ra "sun" (< [pJR] *tēda < (OC) *tē-dā < *tē- "to shine" + *dā "day") III OC: [Lewo] tēņo "to shine", [Cemuhi] téât "sun" (< *té-àt < *té- "to shine" + *-àt "sun", where *-àt < *ad "sun" < *adlaw < [pAN] *qal(e)jaw "sun") ; [Raga] rani /[Lau] dani // (NC)[Xaracuu] dā //(MicroN)[Pnapean] rān "day" (< *dani < *da?ani < [pMP(Zorc*)] *daqani "day") IIII IIII ## 5.2. [pJR] *t- ([Old Ml.Jpn.][Mod.Ml.Jpn.][RYU] t-) < [pAN] *C- III # 5.2.1. to HIT with fingers : JR: [Ml.Jpn.] tutuk-u "to hit wth fingers, stick, etc." (< *tutuk- < [pAN] *Cuk-Cug-) ||| FORM: [Pawan] ¢-əm-ug-¢ug "to hit wth fingers" (< ¢ug-¢ug = [pAN] *Cug-Cug- < *Cug-) ||| Note: Cf. [pMP] dug-dug "to beat, to shake". |||| # 5.2.2. **\PERSON** / **HUMAN** : [pJR] pi-to2 ~ *pu-to /[RTU] (Hate.) pitu $/(Take.) hittu /[Old Ml.Jpn.] pi-to_2 / [Mod.Ml.Jpn.] hito "person" (<*pi-to_2 <*pi- "sun ?" + *-to_2 "person", where *-to_2 <*tow <*tau <*Cau "person", and the sum of the su$ people") ||| OC: [Lau] tō-a /[Motu] tau-dia /[Yabem] [Nyindrou] lau "people" (< *tau- "people" < [pAN] *Cau "person") || W.MP: [Sarangani Blaan] to /|Bugis| tau "person" || FORM: [Tsou] ¢ou "person" (= *Cáu) || |pAN| *Cáu "person" |||| |||| ## 5.3. [pJR] *0- /[RYU] (Hate.) s-, (Kuro.)(Take.) t-/[Mi.Jpn.] t- < [pMP] *D- (CAD*, 1(1), pp.70-72) ~ *d2- (Zore*)) ii (W.MP)[Java.] [Madurese] d- //(OC)[Nengone] 0- /[A'jie] d- /[Ponapean] t- (< [pMP] *D- (CAD*, 1(1), pp.70-72)~*d2- (Zorc*)) IIII # 5.3.1. 手 HAND: JR: [pJR] *0ē ~*tē /[Ml.Jpn.] te /[RYU] (Hate.) ji: (MRH*)/[Take.] ti: "hand", [RYU] (Hate.) si /(Take.) tii /[Zamami] tee /(Nakižin) tii, θii (Handa*, p.888) (< *θē "leaf" < *dē < *deu < *deu < *dau < [pMP] *d2ahun ~ *Dahun "leaf") ||| OC /[Ponapean] tē "leaf" (< *dē kei "leaf-of-tree" < *dau "leaf" + *kai "tree") ||| C.MP: [Ngada] təke "hand" (< *də- "leaf" + *kei "tree") || W.MP: [Bugis] dau /[Uma] rau /[Javanese] go-don /[Madurese] daun /[Aklanon] dahun "leaf" III[Ainu] tek "hand" (< *te-ke "leaf-of-tree") III Note: Another example of (<*(i)θubi < *iDubi) "to divide". IIII IIII ## 5.4. [pRYU] *ti-~*ci- ([RYU] *tʃi- (= ci-)) < *ti- IIII # 5.4.1. 睡 SALIVA: JR: [RYU] (Tokunoshima) tʃīdu /(Sani dial.) tsidzi "spit", (Nishihara) tsidzi (<*tsidzi)/(Take.) ji □dʒi "saliva" (RHJ*) (<{pRYU] *tʃīdu < *tidu < *tiduh ~ *ciduh <> [Sundanese] $ciduh "spit".) \parallel W.MP: [Sasak] tiju? / [Sundanese] niduh (ciduh) (< N- + čiduh) / [Java.] idu "to spit"; [Sasak] tiju? < *ti-du? < *ti-"water" + *-duh, where no spit"; [Sasak] tiju? < *ti-du? < *ti-"water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-"water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-"water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-"water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit "spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit"; [Sasak] tiju? < *ti-water" + *-duh, where no spit" + *-duh, where no spit" + *-duh, where no spit" + *-duh, wher$ *duh <> [pPHIL] *duDaq /[pMP] *luZaq "to spit" ||| KOR: [Mod.Korean] tʃhǔm "saliva" (= chum < *cju-m < *ciju-m < *tidu?- < *ti-duh) ||| [Ainu] ci-"water" (a prefix meaning "water".) < *ti-

6. n- IIIIII ## 6.1. [pJR] *n- <[pMP] [pAN] *n- IIII # 6.1.1. h # HEART: [RYU](Sani dial.) ni "heart" ||| OC: [Yabem] nip-kalop "heart" (< *ni-p-), [Cernuhi] nime-n "heart" (probably, < *ni-me-) IIII # 6.1.2. h INSIDE / # BELLY: JR: [MI.Jpn.] na-ka "inside; belly, stomach, guts" ||| OC: [Cernuhi] nime-n "heart" (probably, < *ni-me-) IIII # 6.1.2. h INSIDE / # BELLY: JR: [MI.Jpn.] na-ka "inside; belly, stomach, guts" ||| OC: [Cernuhi] nà "stomach", [Ponapean] nan "inside, in" (< *na-n) (Cf. [Paamese] naīn "inside, in" < *na-īn ?) IIII # 6.1.3. III LEG : [pJR] *-ne "leg" (< OC: *në "leg"), [Old Jpn.] sune "lower leg, fat of bone-marrow" (< *su- "fat, fluid" + *-ne "leg", IKJ*) ||| OC: [Marshallese] ne /[Ponapean] nē "leg", [Roviana] ne-ne "foot" IIII # 6.1.4. If Do 3 to LICK: [pJR] *nam-/[MI.Jpn.] nam-u //[RYU] (Komi dial., RHJ*, p. 141) nam-pisi: "to lick" ||| OC: [North Tanna] nam-n "tongue", nam-namən "flame" (= "tongue of fire") ||| Note: Cf. OC: [Kiribati] nam /[Marshallese] næm "to taste" || [pMP] *ñam+ñam "to taste" (Zorc*) IIII IIII ## 6.2. [pJR] *n- <[pAN] *ŋ- IIII # 6.2.1. fo BARE the TEETH: [Old Jpn] nim-u "ro bare the teeth" (< *ŋi-mu < *ŋi- "tooth") ||| OC: [Marshallese] ŋi /[Ponapean][Woleaian] ŋī "tooth" (< *ŋi?i < *ŋini *tooth") || C.MP: [Ngada] ŋi?i /[Manggarai] ŋi?is, ŋīs "tooth" ||| [Ainu] nimāk "tooth" (< *ŋi-mak), (Horobetu dial..) nírus /(Sakhalin dal.) niirus "gum" (*nii-rus <[proto-Ainu] *nii- "tooth" + rus "skin", [proto-Ainu] *nii- *ni?i < *nii?i < *nii?i (*nii" tooth") ||| Korean: [Middle Krean] nī "tooth" (< *ŋī < *nii?i < *nii?i (>nii" tooth") |||| Korean: [Middle Krean] nī "tooth" (< *nī < *nii?i < *nii" tooth") |||| # 62.2. IL III Old Jpn.] na "I" (< *na ~ *nī < *nii?i = *nii?i < *nii" tooth") |||| BARY: [Tamil] nān (< *nau < *nau < *nau <1") |||| OC: [Karacuu] nā /[Marshallese] ŋa "I" ||| DRAV: [Tamil] nān (< *nau < *nau < *nau <1") |||| DRAV: [Tamil] nān (< *nau < *nau < *nau <1") |||| DRAV: [Tamil] nān (< *nau < *nau <1") |||||| DRAV: [Tamil] nān (< *nau < *nau <1") |||

[Buru] nan (-[Mu - 2.5] < halv < [nan] / [m w.M. [contantes] [ranawall] garan (-[Aktanon] (latan (-[Aktanon] (latanon] (latanon) (latanon] (latanon) (l

7. *s- IIIIIIII ## 7.1. [pJR] *s- { [pMP][pAN] *s- IIII # 7.1.1. 腕 ARM/ 手 HAND: JR: [RYU](Hate.) si: "hand" (RHJ). si: "arm (from shoulder to fingers)" (MRH*) (<*si: <*siu <*si?u "hand"arm" <*siku "elbow") III OC: [Rotuman] si?u "hand" (<*siku "elbow") (Cf. [Takia] sikuru-n "hand") II C.MP: [Ngada] siku /[Sika] hi?u-ŋ "elbow" (<*siku(-ŋ)) III Note: Probably further cognates with: (OC) [Nemi] hi-n /[Cemuhi] f-n "hand" (<*hī-n <*sī-<*si: <*siu <*si?u "hand, arm" <*siku "elbow"). IIII # 7.1.2. BACK: [Old MI.Jpn] se, so2 (IKJ*) /[MI.Jpn.] se "back (body part)" III SHWNG: [Inarutu] se "after" (<*sei "back, backwards") III [Ainu] sey "to carry on the back" (<*se-i <*se- "back"), setur "back" (<*se-tur "back-bone" <*se- "back" +*-turi "bone". where *-turi <> [Motu] turia "bone") III # 7.1.3. 太陽 SUN/光 LIGHT: [pJR] *sina "sun ~ light"; [RYU](Hate.) fina "sun", [Old MI.Jpn.] sina-"light" (example: sina-teru) III OC: [E.Fijian] sina "sun", [Lau] snamaru "lightning" (<*sina-) III W.MP: [Kagayanen] sina"/[IndoN] bər- sinar /[Madurese]

sunar "to shine", {Konjo} 'sinara "light" # {Ainu] sin (= shin) "day, weather" ## **7.1.4.** UNDER: [pJR] *si- "under, belw", [MLJpn.] si-ta; si-mo "area belw", a-si "foot" (< a "foot, leg" + *-si "below") # OC: [Yabem] si? "downward" (CAD, #12.140), {Kaulng] sii "bottom" ## **7.1a. [RYU](Hate.**) ss- < *sVs- (V = vowel) ## **7.1a.1. ﷺ PUS:** [RYU](Hate.) ssi "pus" (< *suu < *suu) # OC: [W.OC){Kaulong} susu-an "pus" ## # **7.1a. 2. S**- <*S- ## **7.2.1. 强 WIND:** [MLJPN] si "wind", ara-si "storm" (< [pAN] *Siup "to blow" # OC: [Nyindrou] si-yer "wind" ## **7.2.2. WILD BORE / MEAT:** [pJR] *sisi /[MLJPN] sisi "wild boar, deer ; meat", [RYU](Shuri) fifi /(Komi) si:si "flesh" (< (MP) sisi < [pAN] *Sisi) ## [pAN] *Sisi "meat" # FORM: [Ruka] ki-sisi "guat" # W.MP: [Yami] aşişi /[Konjo] assi "flesh" # OC: [Mekeo] tsitsi "meat" ## **7.3. s**- < (OC) *s- < **[pAN] *Z**- ## **7.3.1. 脂肪** FAT / **; OH ORE (MARROW)**: [pJR] *sune /[Old MLJpn.] sune "fat (~ oil) of bone-marrow, lower leg" (< [pJR] *su-ne < [pJR] *su- "fluid, liquid, soup" + [pJR] *su- "fluid, liquid, soup" (< *su-a < *sū- < su^{*} u < *su^{*} u < *su^{*} u < *su^{*} u < [pMP] *ZuRúq "soup, broth"). [Manam] suru / [Yabem] sulu "soup. broth" (< [pMP] *ZuRúq) # C.MP: [Sika] luru "soup. broth" (< [pMP] *ZuRúq) # Note: [pJR] *-ne "leg" < (OC) *ne- "leg, foot" # OC: [Takia] ne-n "leg, foot". {Marshallese} ne /[Ponapean] nē "leg", [Roviana] ne-ne "foot" (< *ne-(n)).

III. VELAR (k-, g-)

8. *k- III III ## 8.1. [pJR] *k- ([Old Ml.Jpn.][RYU](Hate.,Kuro.,Take.) k- $\langle (OC) k- \langle [pMP] *k- III # 8.1.1. = to BITE: [pJR] *kam-u(N) /[Ml.Jpn.] kam-u /[RYU](MRH*) (Ishigaki) kamuN /(Hate.) kamuN "to bite", [RYU (RHJ*)] (Kohama) kamun "to chew" III OC: [<u>kilivila</u>] kam-k^wam "to chew" III [Quechuan] ccamu- (= k'amu-) "to chew" III # 8.1.2. <math>(L = 1)$ (Kohama) (Kuro.) kata- "dense" III OC: [<u>kilivila</u>] kata "dark (in colour)" IIII # 8.1.3. $E VOICE: [pJR] *ko_2we /[Old Ml.Jpn.] ko_2we /[RYU] (Hate., Kuro., Take.) kui (< *koe)/ [Mod.Ml.Jpn.] koe "voce" III OC:$

[A'jie] kõ "loud" IIII IIII ## 8.1a. [pJR] *k- ([Old Ml.Jpn.] k-, [RYU] (Hat.)(Take.) k-, (Kuro.) h-) < (OC) k, y-, k^w- IIII # 8.1a.1. 噛ひ to CHEW: [RYU] (Miyara dial. in Ishigaki Isl.) kantari /(Hate.) kandaruN /(Kuro.) hanzari /(Take.) kandaru(N) "to chew" (RHJ*, p.1421, p.191) < [pRYU] *kantar-uN ~ *kandar-uN "to chew" III OC: [<u>Kiribati</u>] kanta "to chew" (< *kan-da < *kan "to eat" + *da "to eat"), [Mbula] -kan /[Port Sandwitch] xan-i /[Raga] yani /[Roviana] yani-yani "to eat" (< *kan- "to eat"); [Xaracuu] da "t o eat" # W.MP: [Wolio] kaⁿde (< *kan-de) /[IndoN][Minangkabau] ma-kan /[Kalinga Limos] maŋan (= maN + kan) "to eat" # FORM: [Paiwan] k-əm-an (= kan + -əm-"INFX") "to eat" III Eskimo: [North Buffin dial.] qaniq "mouth" (< *qani-q < *kan-i- ~ *yan-i- "to eat" < [pAN] *kan- "to eat") IIII # 8.1a.2. 肩 SHOULDER: [Mod. Ml.Jpn.] kata /[RYU] (Hate., Take.) kata. (Kuro.) hata III OC: [Nengone] kata?ad (< *kata-?ad ?) IIII # 8.1a.3. 萬 WIND: [pJR] *kadza-, *kadzi- /[RYU] (Hate.) katsi / (Kuro.) hadʒi /(Take.) kadʒi "wind", [Ml.Jpn.] kaze, kaza- "wind, cold", kazi-kamu "to numb with coldness" (< *kadzi- "wind" + *kam-u "to bite") III OC: [<u>Xaracuu</u>] k^wade "wind" (< *kazai-?) IIII #

9. [pJR] *g- (RYU] g- /[Ml. Jpn.] k-) < (MP) *g-, *ŋg- IIIIIIII # 9.1.1, 狭い NARROW: [pJR] *goma- "narrow. (thin)". [RYU] (Kuro.) gumaha /(Take.) kuma-sa "narrow" (< [pRYU] *guma <] [pJR] *goma-, [Old MI..pn.][Mod.MI.Jpn.] koma-ka-, koma- "thin, minute" III OC: (W.OC) [Mbula] ŋgomŋgomŋa- (< *ŋgom-(ŋa)-) "narrow" (< *N- + *gomŋa ?) IIII # 9.1.2. 蜘蛛 SPIDER: [pJR] *gobu /[RYU (Kabiira dial.) go:Фu /[Ml.Jpn.] (Kushuu dial.) kobu "spider" (Mu*78, p213).III W.MP: [<u>Murut</u>] lawa?-gobuk "wolf-spider" (< lawa?- "spiider" + *gobuk)

IV. GLOTTAL (?-, h-) ## 10. [pJR] *?- IIIIII ## 10.1. [RYU (Yaeyaman)] ?- /[MLJpn.] $\emptyset - \langle [pJR] *?- \langle (OC) (C.MP) ?- IIII # 10.1.1. Å$ SPEAR: [RYU](Hate.) ?ui "spear" (< *?ui < *?ui) III OC: [Lau] ?uia "to shoot" (< *?ui-a < *?ui-) II C.MP: [Dobel] ?ui "sword" III Note: $(M!?)[Dobel][Lau] ?- does not reflet [pAN] *q-, since [Dobel] &"- /[Lau] <math>\emptyset - \langle [pAN] *q-$. Example: [Dobel] &"usan /[Lau] uta "rain" < [pAN] *quZán "rain".) IIII # 10.1.2. $\diamond \supset s \neq SWEET$ POTATO: [RYU](Kuro.) ?un "sweet potato", ko:sa:?uN "satoimo, a kind of yam" (< [RYU] *?un ~ *?uN "sweet potato") III OC: [Adzera] ?unas "sweet potato" IIII # 10.1.3. **#3** to WEAVE: [pJR] *?oruN "to sew" (< (MP) *?oru-(nj)) (> [Old Jpn.] or-u (= o_1r-u) //[RYU](Hate.)(Take.) oruN / (Kuro.) ?uri (< [pJR] *?oruN)) III C.MP: [Sika] ?oru "to weave" IIII IIII ## 10.2. [RYU] ?- /[ML Jpn.] $\psi - \langle [pJR] *?-$

<[pMP][pAN] *q- || (MP) [Manggarai] Ø- /[Dobel] k^w- / [Adzera] g- /[Tongan] ?- |||| # 10.2.1. 陰茎 PENIS: [Ml..Jpn.] tin-tin, tin- "penis" (< [pJpn.] *tin- < *ti-n "penis" < *uti-n < *qu'tin "penis") ||| OC: [Takia] uti-n /[Manam][Yabem] uti /[Maringe] t^hiti "penis" (< *uti-n < [pAN] *qu'tin "penis") || C.MP: [Roii] uti-k || NHWNG: [Irarutu] ti (< uti-"penis") ||| [Ainu] ci "pens" (< *uti < [pAN] *qu'tin "penis"

 $\begin{aligned} & (Mu*92, p.71) \parallel \parallel \ 10.2.2. \ \ UPSIDE / ABOVE: [pJR] *?u- "(in compunds) up, above" (< *?ul- "(in compounds) up, above" <> OC: [Totai] ul- "head (in compounds)" <*ulu- <*?ulu- < [pAN] *quluH "head"). [RYU] (Hate.) (Kuro.)?ui /(Sonai) ui /(Shuri)?wi: / [Ml.Jpn.] u-<math>\Phi$ e.u-he. u-e (<*?u- Φ e <*?u- "up, above" +*- Φ e ~*-pe) "upside, above" ||| OC: [E.Fijian] ulu- /[Samoan] ulu /[Totai] ulu, (in compunds) ul- "head" (<*qulu), [Raga] ulu-/[Rotuman] ulu-ŋa /[Samoan] taua-luŋa [Rapanui][MeleFla] ruŋa (<*lu-ŋa <*ulu-ŋa <*qulu-) "top" || W.MP: [Sasak][Bugis] ulu / [Sundanese] hulu "head" || C.MP: [Dobel] k``ulu- "head" (CAD # #04.201) || FORM: [Paiwan] kulu "head" || Eskimo: [pEsk] *qula- "area above" ||| TDB: [Atsi] ?ulum "head" (<*?ulu-m <*qulul) || IK Korean: [Mod. Korean] ui "upside" (<*?u-i). IIII IIII ## 10.3. [pJR] *?- <(MP) *I- (<*(qa)I-) IIII # 10.3.1. for FIVE: [pJR] *?i- /[RYU](Hate., Kuro., Take.) ?i- /[Old MI. Jpn.] [Modern MI.Jpn.] i "five" (*?i- <*ii ~*ii ~*ii - <*ii <*lima <[pAN] *lima "five") ||| OC:[Kaulng] eip (<*e-i-p <*e-i- <*lim) /[Paamese] elim (<*e-lim) /[Sawai] pe-lim /[Motu][Mekeo] ima /[Tahitian(Archaic)] rima (<*lim(a) < [pMP] *lima "five, hand, arm") ; (NC) [Nemi] nim /[Cemuhi] ním (<*lim(a)) "five" || W.MP: [Molbog][Balinese][Konjo] lima /[Da'a] alima "five" (<*iima ~*alima <*(qa)lima ?), [Aklanon] alima /[Palawan] alima /[Molbog] lima "arm" |||| # 10.3.2. 注 <' to POUR : [Old MI. Jpn.] i-u "to pour" (probably, < [pJR] *?i- < [pMP] *liR-) ||| MP: [pMP(Zore)] *liR "to flow" (<*?aliR < [pMP(Coh*)] *qaliR "to flow" ?) |||| IIII ## 10.4. [pJR] *?- <*l- < [pHF] *L- <[pAN] *L- IIII # 10.4.1. El MORAR: [MI.Jpn.] usu /[RYU] (Hate.) usi / [Kuro.) ?uji /(Taketoani) usu (< [pJR] *?usi <*lusu <*lusu <*lusu > *lusuy >*lusuy) |||||||| #P: [Judou] *lusu <*lusuy =*lusuy =*lusuy (Kuro.) ?uji /(Taketoani) usu (< [pJR] *?usi <*lusu <*lusuy =*lusuy (Sundanese] lisuy (<*lusuy =*lusuy =*lusuy =*lusuy =*lusuy =*lusuy =*lusuy =*lusuy =*lusuy =![IndoN] lisuy /[Sundanese] lisuy (<<lor *lusuy =*lusuy =*lusuy =*

"peste". {Kalinga Limos} {usuŋ < {Kalnga Limos} lu "peste" + suŋ "mortar". III III ## 10.5. [pJR] *?- < *r- < {pMP] *d1- (Zore*, Coh*)~*D- (Coh*) || OC: [Raga] d- /[Motu] r- /[Nengone] d- IIII # 10.5.1. 16 BODY-DIRT: [RYU] (Tokunoshima) ?aki "body-dirt" (<*raki-<(MP) *daki-<[pAN] *dakifi-"dirt. body dirt. dirty") ||| W.MP. [Balinese] daki "dirty" (< *daki). [Aklanon] dakih /[Molbog] da?ki /[Sasak] rəki "dandruff" || C.MP:[Sika] mi?ak "dirty" (probably, < *mi-?aki) || OC: [Nyindrou] ko?ak "dirty" (probably, < *ko-?aki) ||] Quechua] llequi (= leki < *lki) "body-dirt" III # 10.5.2. 赤い RED: [pJR] *?ag(g)a-/[RYU](Hateruuma) ?aga-haN / (Kuro.) ?aka-ha / (Take.) ?akka-saN /[MI.Jpn.] aka-. "red" ([pJR] *?ag(g)a- < *rag(g)a- < [pAN] *daRaq "blood") ||| OC: [Raga] daya-/[Manam] dara /[Motu] rara-na /[Paamese] rāk./ [Nengone] da /[Marshallese] ra "blood" (< *daRa-), [Takia] dara-n /[Manam] dara-dara"red" (< [pMP](Zore*) *d1aRaq, (Coh*) *d1aRaq~ *DaRaq) || W.MP: [Isnag] dāga /[Mnangkabau] darah /[Sasak] dara "blood" (< *daRaq "blood") ;[Isnag] daggāŋ "red" IIII # 10.5.3. 利 THORN: {Old Ml.Jpn.[IKJ*)] u-bara /[Mdern Ml.Jpn.] i-bara "thorned wild rose" (< {pMl.Jpn.] *(?)u-bara < *u- "thorn" + -bara "rose". where *(?)u- < *ru- < *rui < *dui < *dui RiH "thorn") ||| OC: [Nemi] dui /[Cemuhi] dū-n /[A'iie] 10 /[Nengone] dun /[Ponapean] [i] /[E.Fijian] sui /[Tongan] hui /[Motu] turia-na /[Tolai] ur /[Nyindrou] ⁿd^ruwi-n "bone" (<*duri < [pMP] *du'RiH "thorn, spine") III IIII ## 10.6. [pJR]</p> *?- (~*Ø-) < *r- <*l- <*d3- Ш [Wr.Mongolian] d- Ш # 10.6.1. 音 SOUND: JR: [pJR] *?ottō /[RYU] (Hate.) ?uto:, (Kuro.) ?utu, (Take.) ?uttu /[Old MI.Jpn.] o2to2 "sound" ([pJR] *?otto < *?onto < *?onto < *?onto < *?onto < *?onto < *!ono < *! *duŋol "to hear" < [pAN] *d3č + ŋćR "to hear", and *to cognates with [Rotuman] to /[Lewo] to-na "sound, noise".) || OC: [Ponapean] ron / [Marshallese] ron / [Woleaian] ronorono / [Kiribati] ron / [W.Fijian] rono-o / [Raga] rono / [Paamese] [Lewo] [Manam] iono "to hear" (< *dono "to hear" < [pAN] *d3ě + neR "to hear"). || W.MP: [Kalinga Lmos] donol /[Molbog][Murut] donog /[Gorrontaro] mo-?o-dunohu "to hear" |||[Mongolc: [Wr.Mong.] duyul- "to hear" (< *duŋul < (W.MP) *duŋol ~ *doŋol) IIII # 10.6.2. TWO: [pJR] *-(')wo (in a compound word, to2wo "tcn".) "two" (< *')wo < *'uwo < *ruo "two" < *duo < *dua *two"), [OidJpn.] to2wo "ten" (< *to-'iwo < *to- "arm" + *i'uwo "two" , where *i'uwo < *luwo < *duo < *dua "two" < [pAN] *d3uSá "two") ||| OC: [Kilivila] -luwo-tala "ten" (= "ten(s)-one", -luwo- < *luo < *lua "two" < dua "two", [Lewo] lua-lima "ten" (= "two-hand"), [Yabem] lemen-lu "ten" (= "hand-two") (-lu < *lua < *dua "two") IIII # 10.6.3. 焼く to BURN: [pJR] *jagu(N) /[Old MI.Jpn.] jaku /[RYU] (Hate.) jaguN (< *(?)ia-gu(N) < *(?)i?a-gu(N) "to burn (v.t.)" < *?ila-gu(N) < *d3ila-gu(N) "to burn" < *d3ila- "flame (= tongue of fire), tongue" *-gu(N) "suffix for making a transive verb") ||| W.MP: [Murut] dila? /[Aceh] dilah /[Uma] jila? /[Konjo] lila "tongue" || OC: [Easern Fijian] yame- "tongue" (< *ya-mea < *ia-mea < *i?a-me < *?ila-mea < *d3ila-mea < *d3ila- "tongue" + *mea "tongue"), [Raga] mea- /[Kwaio] mea "tongue" IIII IIII ## 10.7. [pJR] *?- /[RYU](Hate.) ?-, (Kuro., Take.) Ø-< (OC) *1- IIII # 10.7.1. 脂肪 FAT / 油 OIL: [pJR] *?abura /[Ml.Jpn.] abura /[RYU] (Hate.) aba, -?aba, (Kuro.) ava, (Take.) aba "fat, oil" (< *?a^mbura < *?am(u)bura < *lamu-bura "fat. grease" < *lamu- "fat. grease" + *ßura "fat. grease"). [RYU] (Hate.) ?uwa-nu-?aba "grease of pig" (?uwa "pig") ||| OC: [Paamese] amur "fat, grease" (< *am-ur ~ *am-bur < *?am(u)-?ura ~ *?am(u)-bura < *lamu-lura ~ *lamu-bura < *lamu- "fat, grease" + *lura "oil" (<> [Dobel] lura "oil") ~ *βura "fat, grease") || C.MP: [Sika] βura "fat, grease" || W.MP: [Sasak] lomu /[Indonesan] lomak /[Minangkabau] lomu /lama? "fat, grease" |||| # 10.7.2. 足 FOOT: [pJR] *?a- /[Old MI.Jpn.] a. a-si "foot. leg" (*?a- <*lā "foot"). [RYU](Ishigaki. MRH*) ?asi-atu "foot print" (<*?asi-ato < *?a-si- "foot" < *?a- "foot" + *-si "below") ||| OC: [Yabem] à /[Cemuhi] á-n /[Rotuman] lā /[West Fijian:] -lā "foot, leg" (*a- < *?ā- < *lā- "foot"), [Kwaio] ?ā-?ae "foot" (< *?ā- "foot" + *?ae "foot", where *?ā-< *lā- "foot"). [Lewo] la-na "leg" ||| Note: Cf. [Kiribati] ā /[E.Fijian] rā "down, belw". |||| # 10.7.3. 馬 HORSE: [pJR] *?uma(-N) /[MLJpn.] uma /[RYU] (Hate.) mmaN "horse" (<*luma) || OC: [Lau] luma nia bulumakau / [Lewo] yumama-na puluku "horse" (< *luma) ||| Note: The correspondence, [Ml.Jpn] Ø- /[Lau] I- /[Lewo] y-, completely coincides with [Ml.Jpn.] ma /[Lau] Iuma "house". ||| Note: Cf. |Rotuman| fi ?on monmonu "horse". IIII IIII ## 10.8. [pJR] *(?)V- /[Ml.Jpn] ØV- < *rV- IIII # 10.8.1. 燻す to SMOKE:[Ml.Jpn.] ibu-su "to smoke" (<*ribu-su <*ribu- "smoke" + *-su "to do") ||| [pW.MP](Coh*) *ribun "smoke" |||| #10.8.2. 垢 BODY-DIRT: [MI.Jpn] aka "body-dirt" (<*?aka < *raga(t)) ||| W.MP:[Javanese] ragat "diry"

11. [pJR] [pRYU] *h-//[RYU] (Hate.) Ø- /(Take.) h- /[MLJpn.] Ø- < [pRYU][pJR] *h- < [pMP] *h- IIII IIII # 11.1. 閉行る to OPEN: JR: [pJR] *ha-ku-/[MLJpn.] a-ku "to open (v.i.)", [RYU] (Kuro.) haki, (Take.) hattairuN, (Hate.) agiru /[MLJpn.] akeu "to open (v.t.)" III [Ainu] ha "empty", hasa "to be open : to open the mouth" (Ba*) (probably, <*ha-sa < [Ai] ha "empty" + [Ai] sa "(adj.) open, spread out") III [pAN] *haŋap (Lopez) "to open mouth" (trom WW*) II W.MP: [Aceh] hah "to open" I OC: [Manam] ?a?a "to open" (<*?a < *ha) III E: [Hittite] haš-(= has) "to open" (< [pIE(K.O.*)] *H2as- <*has-) IIII #11.2. ENEMY: [RYU](Hate.) ha: (<*hā-~*ha-(ŋ)?) III FORM: [Tsou] haŋi IIII # 11.3. 明るい to be LIGHT: [RYU](Take.) hai-saN "to be light" (<*hai-<[pJR] *hari "day, sun"?) III W.MP: [Balinese] ai "sun" (<*hai "sun" ~*hari "day"). ?[IndoN] hari /[Batak Toba] `ari / [Minangkabau] ari "day" III Korean: [Mod.Korean] hãi "sun"

V. Semivowel (w-) ## 12. [pJR] *w- IIIIIII ## 12.1. [pJR] *w- /[RYU][MLJpn.] w-<[pMP] *w- II [pDR] *ø- IIII # 12.1. 1. 输 RING: [MI.Jpn.] wa "ring, circle, wheel", [RYU](Take.) wa: "wheel" (<[pJR] *wa- *wä "ring, wheel") III OC: (NwCAL)[Nengone] waela "round" (< *wa-ela), wačo "sphere, ball" (< *wa-čo), wa-čuen "wheel"; [Tongan] va?e "wheel" (< *va- *wa- IIII DRA: [Tamil] āri "circle, ring, wheel", [Kannada] āri "circle, roundness", āri "roundness" (< IpDRA] *ā- "circle, ring" < *wā- \sim *wa- "circle") IIII # 12.1. 2. # SPRING: [Old Jpn.] wi (= wi2) /[MI.Jpn.] i-, wi "spring, well" (< [pJR] *wi2 < *wii < (OC) *wei \sim *wai < *wai < fpMP] *wahiR "fresh water"), [MI.Jpn.] i-dzu-mi, widzu-mi //[RYU](Shuri) ?id3uN "spring, well" (< [pJR] *wi2-du-mi) III OC: [Lewo] wi /[Mekeo] vei /[Nemi] we "water" (< *wei < *wat "water"), [Raga][E.&w.Fijian] wai "water" II W.MP: [Bugis] wae /[Kagayanen] waig "water" (< [pMP] *waĥiR "fresh water" (Zorc*). *vayey (Dm*)). (Mu*74, p.110). IIII #12.1.3. K SUN: [Old Ryukyuan] we "sun" (< *we < *wai < [pMP] *waĥiR "sun*) (Mu*95, p.159) III W.MP: [Javanese] wai, we "sun", [Balinese] wai "day" II FORM: [Rukai] vai /[Ataya]] wai?" sun"

VI. Disappeared Consonant (ϕ) ## 13. [pJR] * ϕ i ~*i- <*?- ~*?i- <*ri- < [pMP] *d2i- ~*Di- IIIIIIII # 13.1. ψ U LITTLE: [RYU] (Kohama) ik'ira:-saŋ "little, few" (Murayama, 1995, from Iha) (probably, = iki-ra-saŋ <*(?)iki- *small, little" < *d2iki *small") III W.MP: [Konjo] diki *small" (< [pAN] *dikit (Coh+) *small" (Cf. [pAN(Zorc+)] *d2ikiq *small") III ?Mongolic: [Wr.Mongolian] jijig *small, little" (<*ji-jig < *jig <*dig <[pAN] *d2ikiq *small") III # 13.2. ϕ NIGHT: [Old MI.Jpn.] jo] *night" (= io <*iio <*dio *dio *dio <*dio <*dio <*dio <*dio <*dio <<*dio OC: [Kiribati] (te) rō (<*riō <*diō) /[Ponapean] rõ[/ [W.Fiijian] d^riod^riō (<*di <*dio <*dio?o) /IW.MP: [Goronaro] di?olomo (<*di-holomo) / [Batak Toba] (na) holom *darness* (CAD*, #01.620) III Note: Most plausibly, *di- (in [Goronaro] di?olomo <*di-holomo) < [pAN] *Di- in [pAN}*DiRem *darkness* (Coh+). Cf. [pMP] *d2e+d2em *dark* (Zorc*).

14. [pJR] *Øm- (Ø = disappeared) <*mm- ~*um <*(?)um- <(OC) *rum- ~*lum- <[pAN] *Rum-

14.1. 部屋, 間 ROOM: [Ml.Jpn.] ma "room, space" (<*mma ~*uma <*uma ~*yuma <*luma ~*ruma <*ruma < {ruma / {FAN] *Rumaq "room"), [RYU](Southern Okinawa Island dial.) -ma "place" (Handa*) III OC: [Motu] ruma /{Lau}[Kwaio] luma /[Raga] im^wa /[Lewo] yum^wa /[North Tanna] nima /[Kwamera] nim^wa /[Cemuhi] m^wa /[A'jie] m^wa /[Xaracuu] m^wā /[<u>Nengone]</u> mma /[Kiribati] (te) uma /[Rotuman] rī "house" II C.MP: [Roti] uma /[Buru] huma "house" III W.MP:]Bali.] umah /]Minangkabau] rumah /[Madurese] ruma /[Bangngi Sama] luma? "house"