## Abbreviations:

- Md Maidu
  - NW Northwestern
  - NE Northeastern
  - s Southern (Nishinam)
  - N Northwestern and Northeastern
- Y Yokuts
  - N Northern
  - v Valley
  - K Kings River
  - Tule-Kaweah
  - P Poso Creek
  - B Buena Vista
- Mw Miwok
  - s Southern Sierra
  - c Central Sierra
  - N Northern Sierra
  - P Plains
  - co Coast
  - L Lake
- C Costanoan
  - F San Francisco
  - J San Jose
  - CL Santa Clara
  - CR Santa Cruz
  - B San Juan Bautista (Mutsun)
  - M Monterey (Rumsen)

## Basic List

- 1. Person. W c win (man), s wi-ta (man); Md N maidu, s maidü-k; Y K mayi, T mai; Mw S, c miwu, N miwu-k, P miu-ko, co ula-mitca.
- 2. Man (1). Y T taati (person), P taat (person), B toxy; Mw P cawe, CO taiyi-c, L tai; C J, B tare-s, CL tare-c, CR tcare-s.
- 3. Man (2). Y N, v nono; Mw s, c, N naña. Cf. adjacent Mono (Shoshonean) nana.
- 4. Boy, Youth (1). W c k'aina, s seri-ta, sw tcurai; Mw P sali-nai, co hena-s, L hena-putu; C F ceni-s-muk, CR ala-cu, M cini-emk.
- 5. Boy, Youth (2). Y N, V, K, T notco, N nonkoi, P kohutem; C J kotco, B kotcinsix.
- 7. Woman, Girl (2). Mw (woman) s oha, c, n osa, p ûcûû; C (girl)  ${\tt J}$ atsya-kic,  ${\tt B}$ atsia-gnis,  ${\tt M}$ atsy-amk.
- 8. Girl. Md NE konoi-be, s konai; Y N gaina, v gaita, T guyodum, P getep-al, gadap-cul, B guyoyam; Mw L koya, co kola-putu; C F kata.
- 9. Baby. W n ila, c elet, se ilak, sw ilai; Md nw tsilak'a, ne konoko; Mw s esellu-tki; C F oklucku-c.
- 10. Old man. W N kiemi-la, c kias, sw tciak (metathesis); Md Nw kano, s oskon; Mw s humele-tki; C F hunta-x (old), J, CL hunta-tc; perhaps also, by metathesis, Y v moxelo, K moxolo, T moxodo.
  - 11. Head (1). W sw dul; Md s teul; Y K dool, T tot; Mw P tolo.
- 11a. Head (2). W SE ana; Md N, S ono (S: hair); Y N oteo, V oto, K, T, B oto (hair); Mw C, N hana; C J, CL, B uri (hair), CR uri, M ut.

- 12. Head (3). Mw co molu; C J moțil, B moxel; Y (forehead) N pitciu, v pițiu, K tiliu, T tüdu, P peleu.
- 13. Hair, Forehead. W (hair) N tomoi, C tumoi; C (forehead) J tima-x, CL tima-te, CR, B tima; and possibly Md sün.
  - 15. Ear (2). W N. C. s mat; Md N. s bono.
- 16. Eye (1). W N tum, C Lui; Md N hini, S hin; Mw S huntu, C suntu, N sutu, CO, L sût; C J hiny, CL, B, M xin, CR hin.
  - 17. Eye (2). W se sas, sw sa; Y n, v, t, k caca, p ceca, b sasa-'l.
- 18. Nose (1). W N, C sono, S Linik; Md NW sumo; Y N sinik, N, V, K ținik, T țüñük, P țeñik, B țiñak.
- 19. Nose (2). Md ne hiku-m; Mw n huku, p, co, L huk; C f, cl, cr, b us, J hus, m wus.
- 20. Mouth. W N, C, S kol, SE kol; Md NW kombo, NE simi, S sim; Y N, V, K, T cama. P cema. B sa'm.
- 21. Teeth. W n, c, s si, ci; Md nw tsawa, ne, s tsiki; Y n, k teli, v te'yi, t tañi; Mw s, c, n kutu, p, co, l kût; C f, J, cr, b, m sit, cl süt-em.
- 22. Tongue (1). W N, C, S tahal; Md N eni, S alili (assimilated); Y N talxats, V talxat, K talxit, T tadxat, P talapis, B a'ladas, K madat.
- 23. Tongue (2). Mw s, co lemtep, c, P nepit (metathesis), N nepitu, L letip; C F lasek, J, B, lase, CL lasex-em, CR lasa.
- 24. Beard. W N -tceki, C -tseket, S sep-sep; Md N simpani, S masau (by metathesis?); Y N dabuts, N, V damut, T damot, K djamoc, P djamec, B damuc.
- 25. Chin. W s kaba; Md NW yappa, NE tsawa-m-bömim; Y N ugue-ul, awate-il, V, P awac, K awadji, awaic-il, T awaci, B yuku-l; C M awic.
- 27. Shoulder. W n salu-s, c, se sala; Md n, s dadaka; Y n gapcal, v gapsai, tapal, k tatal, r tapad, p gepcil, b gapsai.
- 28. Hand (1). Mw s, c, N tissu, s ukuc, N ukusu, P eku, co, L uku; C F, J, cL, CR, B (arm) isu, M (arm) is; and possibly W s, c, N sem, c, sw (arm) sala.
- 29. Hand (2). Y N bonoc, v bunduk, K poton, T putoñ, B potoñ; Mw (arm) s patean, c woñotu; C M puts.
- 30. Arm. Mw s, P tawa, N tumalu, P tumal, co tauli, tali-k, L tauli-k; C cL talme-s (metathesis).
- 32. Breasts. W c, sw. imit, se imik; Md NW nuni (assimilated); Y N, P minitc, V, T, B menit, K mintci-x; Mw S, C, N musu, P, CO, L mu.
  - 33. Belly. W sw bus; Y n balik, K olok', lak'i-n; Mw L puluk; C m pitin.
- 34. Knee (1). W N puiyak, Sw pomok; Md N pokosi (metathesis), s podok; Y N, K opuk, K upuc, N bucon, v kuyut, T kuyoc-ud, P kuyoc-il, B kuyos-u'l.
  - 35. Knee (2). W c, sw anak; Mw s hoñoi, c, n hoñoyu, p honoi.
  - 36, Knee (3). Mw L tokollo; C M dol-s.
- 38. Foot (2). W C kole; Mw N, P kolo, co koyo, ko, L kollo; C F kolo, CL, CR (leg) koro, B M koro.
- 39. Heart (1). Md NE honi, s hon; Y N, v hon-hon, к hono-hon, т hoñ-hoñ, р hoñheñ.
  - 40. Heart (2). W N pudu-s, puris, s puru; C F, CR mini, J minyi-x, CL minite.
- 41. Bone. Y N, K te'ei, V, T, P te'i, B ts'i-x; C J tayi, CL taxi-m, CR tcaye, B tati, M tcate; and perhaps Mw s kutcute, C, N kutcutcu, CO mutci.
  - 43. Blood (2). W N dedeki (assimilated), c, s sak; Md N, s sede.
  - 45. Fat. W n hom, se hum; Md ne höti, s höt; Y n, v, k, T hexa, P hiya.
- 46. Skin. Y v daplan, K tapia, P p'alai, B gapac, K totop, v, K tcului, T tcudui; Md (by metathesis) Nw potani, NE posala, s potom.
- 47. Faeces (1). W n teeni-s, c teeni, sw teni; Mw s kunat, c kunatu-s, n kunatu, p kuna.

- 48. Faeces (2). Md NE piti; Y N, K pidik, V, T bidik.
- 49. Urine. W n tcunu-s; Md ne tsumi; Y n, v, T tcuyon, v tculon, k tuyun.
- 50. Sinew. Md NE paka; Y N, V, K pikil, T piked.
- 51. Horn. W c k'ili, sw teili; Y v icel, T ücad, P e'cil, B ücul.
- 52. Tail (1). W N cutun: Y N kut, V gut-'oc, K kot, T gut, P got.
- 53. Tail (2). Md N buku. S buk: Y B tapak.
- 54. Navel. W n nak; Md nw naka.
- 55. Chief. W c, s sektu; Md s huk; Mw P tceka.
- 56. Shaman, Ceremonial Initiate. W c hiyom, s yom-ta; Md N yomi; Mw C, N alini, P umise, L yomta; and possibly Y V, K antu, T añtu, P eñteu.
- 57. House (1). W n, sw k'ewel, c k'el, s k'ewe; Md n höbo, s höpöu; C F riwa, J ruwai, CL "gruwa-m," CR ruwa, B ruka, M ruk.
  - 58. House (2). Y v, k, P ti, v tsi, T, B te; Mw s, c utcu. c, N, P, co kotca.
  - 60. Arrow (1). W N not, S noko; Md N noko.
- 61. Arrow (2). Y N, v, K, T t'nyo-c; C CL tawi-s-em, CR tcemo, B temo-x, tivo-s. M tep-s.
- 62. Knife. Md NW tsumi, NE tsami; MW S cope, L tsitsa (assimilated); C F tipa, CR tcipa, M tip.
  - 63. Boat (1). Y N, V, K, T, P owon, B u'win; Mw s wote; C F wali, CL walin.
  - 63a. Boat (2). W s nu; Md N nö; Mw L nu (borrowed from W s).
  - 64. Boat (3). Md ne yaka, s wakai; Mw n saku, p saga, co caka.
- 65. Pipe (1). W se dopo; se topor; Mw P topo-kela; C J torepa, cL "trepa-m," cR torexo.
- 66. Pipe (2). W sw bomit; Md N pani (tobacco), s pan; Y v baum, N baum (tobacco), P bamuñ, B bomots; Mw s, c, N paumma.
  - 67. Pestle (1). W n satak, c cotok, se taki, sw t'usa; Md nw suni.
- 68. Pestle (2). Md NE bayi, s bai; Y v polwoi, к palui, т padui; Mw P hopa, со ра, рауа.
- 69. Sun (1). W N sas, SE con, SW sun; Y P hicta; Mw C, N hiema, P, CO, L hi; C F, CL, CR, B icmen, J hicmen.
- 70. Sun (2). Md N poko, s oko; Y N, V, op, K upu-c, T opodo, T upi-c (moon), P opo-c (moon).
  - 71. Moon. Mw s, c, N, P kome, L kume-nawa; C F kolma, J, CL korme.
  - 73. Night (1). Mw s kawulu-to, c, n kawulu, p, co, L kawûl.
- 74. Night (2). W N ken-wina, c leni, sw sinol; Y N tuyon, v, T, P, B toyon, K toyoni.
- 75. Cloud. W N, C k'a, S k'ir, k'ira; Y v k'ilei, к k'elei, т k'üdai, Р k'eli, в р'iya-р'iya; Mw co ilau, ya-kal.
- 76. Lihtning. W N waluka; Md NW -winaka, NE wipili (metathesis), s wispil; Y N walma, v walam-wiya, K walam-wila'a, T wadam-wida; C F wilka-warap, cL wilka, cR wilep.
- 78. Snow. W N yolo, c yola, s yol; Md N, s ko; Mw s, c, N, P kela; L tana; C J, CL wakan, CR wakani.
- 79. Fire. Md N, S sa; Y N, V ocit, K ucut, T, B ucit, P ocot; Mw S, C, N wuke, P wüke, CO wûki, L wiki; C CL, M coto, B coton.
- 81. Ash. W n bukul, c puk, s put; Md nw pöpö (assimilated), ne pupu; Y,  $\tau$ , r hapac.
  - 82. Coal. W N, C kali, SE wali; Y N, V calu, K cal'an, T capan, B soolin.
- 83. Water (1). Y N, V, K ilik, T idik, P elik, B ilak; Mw S, C, N kiku, P, CO, L kik (probably by assimilation); C, all dialects, si.
  - 84. Water (2). W N C, S mem; Md N momi, S mom.
  - 86. Mountain (1). W c tool, S tol; Y N, K dulul.

- 87. Mountain (2). Md N yamani; Y v lomi't, T domit, P lomat, B lumit; Mw s, c leme.
- 88. Stone. W N, C son, SE sos, todui, tului, SW kodoi; Y N, V cilel, P xelul, R xalu'l.
  - 89. Salt. W N, C, S Wel, Md N, S ba.
- 90. Wood. W n teus, c teok', se tok', sw tok; Md n tsa; Y n, v hit'ee, k hit'ie, T hüt'ae, P etis; Mw s huhu, c, n susu (assimilated).
  - 91. Grass, Brush. Y v, K yawil, T yawud; C F yama, CR wai.
  - 92. Sugar Pine. W N. c sumu: Md N. s sumu: Y N. v tconoxi-c. T tcoñoxi-c.
- 93.  $Yellow\ Pine.\$ Md N, s imi-m-tsa; Y v inil, T idñit; and possibly W N kulem. kulem.
- 94. Digger Pine. W N tcati, c tc'oko, se tc'usak, sw t'uwa; Md NW, s toni-m-tsa; Y N, K ton, T toña-c.
  - 95. Buckeye. W c pasa; Md N, s polo-m-tsa; Y N, v dopin, K dupun, T dopoñ.
- 96. Manzanita (1). W n pai, c paka; Md nw üpü, ne epö; Y n aptcu, v, r aptu, k uptu, p opto.
  - 97. Manzanita (2). W se eya, sw eye; Mw s, c, N, P eye, co, L eyi.
- 98. Tule (1).4 W SE sa kulul, guye; Y N k'oyi-c, v got, K k'oyu-c, T got, P gatswei, kololi-s; Mw L kol.
  - 99. Tule (2). W C Lap, SW Lop, Laka; Mw co loko, cappa.
- 100. Tule (3).<sup>a</sup> W n pat-pat, se p'ocak; Md nw pok-poko; Y n, v bumuk, v poton, k patak.
- 101. Dog. W n cuku, C cukut; Md n sü, s suku; Y n tcexa, k tcecec, T tcejej, P tcicuc, B tseses; Mw s, c, n tcuku, P tcutcu; C cl tcutcu, ch hi-tcas.
- 102. Coyote. W sw ul (wolf), Md NW oleli, NE helieni (wolf), s ole, hosai, Y B hulapinsa-s; Mw s aheli, c aseli, N oletcu, P oleti, co oye, L ole.
  - 103. Fox. W N, C hau; Md N hawi, S hau; Y N, V, K, T au'dja, B gaudat.
  - 105. Grizzly Bear. W N wima, c wemal; Md N pano.
  - 107. Deer. W N, C, S nop; Md S döpe.
  - 108. Elk. W sw lokoya, Y n, v, k, t coxgoi.
- 109. Jackrabbit. W N patkili-s, c patkili; Md Nw, s palali, palal (rabbit—assimilated), Nw, s boye; Y v capal, dopol, T dopod, tukuyun, P tokco-c, B tc'abakiu; Mw s, c, N eplali, P epali, co aule.
- 110. Bird. W n tcil-tcil, c tciltcit; Y n tc'enpai, k denip, T detcip, P wiwitsi (assimilated), B we'tuts; Mw s, c tcitcka (assimilated), n mitcema-ti, P tcitcipu-k (assimilated); C B tciri-t-min.
- 111. Buzzard. W N, c, s hus; Md NW hösi, NE mini-husi, s hös; Y N hots, hutawi, v hot, koteya; Mw s huhu, c husu, N, P tcuhu (metathesis), L hus.
  - 112. Crane (1). W N kat; Md N waksi, S köu; Y N, V, K waxat, T waxit.
  - 113. Crane (2). W N toriha-s; C B ture-s.
- 114. Turtle. W c an, SE anu-c, SW ano; Y N on; Mw s awan-ta, C, N awanna-ta, P awanna-i; C F auni-c-man, CL, CB, B auni-c-min, M xuno-s-xim.
- 115. Rattlesnake (1). W s tiwil; Md NW cola, s sola; Y v,  $\kappa$  teel,  $\tau$  tööd,  $\nu$  tiel,  $\nu$  tiwi-tiw; Mw  $\nu$  holo-mai.
  - 116. Rattlesnake (2). W N Lak, C Letceu; Mw s, C lawati.
- 117. Frog. W n watak-mit, c, s watak; Md nw awani, ne wakat (metathesis); Y n watak-saai; Mw s wataku-na, c, n watak-sayi; C B wakarat-min, m wakatse-m (metathesis).
- 118. Fish (1). Y N lopite, v lopit, K luput, T dopit, P lopat, B lupit; Mw s lapisai, C, N lapisayu, P pu, co elewi, lota; C ck helai.

<sup>&</sup>lt;sup>a</sup> There are three common species of *Scirpus* and *Typha* generally called "tule" in California.

- 119. Fish (2). W N diket, C teit, S tir, til; C M kinir.
- 121. Trout. W N sulot. c colat. sw civa-tir. mol: Md N paliki, s pala: Y N, V, K dalim, T dadim; Mw c lewim, co tolo, L hul.
- 122. Fly. W N xilit, lulit (assimilated), SE homota; Md NW amelulu, NE emelulu, 8 emululu (all assimilated); Y v monai, K monoyi, T p'anuc-kai, P p'onits-kai, B p'anis-gai; C F momua, CL mumuri-x, CR mumura, B mumuri (all assimilated, evidently also onomatopoetic in form).

  - 123. Spider (1). W N kerek; C B tiras-min. 124. Spider (2). Md NE makati, S boko; Y N, V, K medja, T mutca.
- 125. Louse. W N donus, c dono, se peris, sw peri; Md Nw di, ne pedesi, s pedes; Y N tihitc, v, K tihit, T tehet, P tihet, B tahat; Mw S, C, N ketu, P ken, CO, L ket: C B kaxai, M kax.
- 126. Flea. W N kokus (assimilated), c kok'as, SE tunkuc, SW tcotco (assimilated); Md N, S tökösi; Y N, V, K bak'il, T bak'id, P bak'el; Mw S, P, CO, L kuku, C, N kukusu, CO kukus; C B, M por.
- 127. Grasshopper. W N, C nep, SW taram; Md N, S eni; Y N tanuwa-tc, V tsanaiwu-c, K danaiwu-tc, T tcaneka-c; Mw s anut.
- 128. Worm. W N kye-s; Md NW kape, NE kayi, S pep; Y N, K k'eu, K k'ewa-s-k'ewa-s, K, T gatu.
  - 129. Name. Md N yawi; Y N, V, K, T hoyowo-c.
- 131. Black (1). W n tcululi (assimilated), c kut'a, se tiloki, sw silia; Md ne kölö-m, s köle-m; Mw c, n kululi, P kulu-lu (assimilated); C F colko-te, J cirke-wis.
- 132. Black (2) (cf. 73, Night). W c molok, SE multi; Y N motsko-n, V moteko, K motki-wik, P motka: Mw co muluta, L mulu-mulu; C cL murtu-e-mini, CR murtu-s-min, B hu-mulu, muretu, murtcu.
- 134. Large. Md s muku; Y N, v matek, v mayek, T met; Mw co omotak; C B mati-li-; and possibly W c komaso, N bohema.
- 135. Small. W n kuta, se kucu-n, sw kutci, kuci; Md nw nukti; Y n goli-s, gote-te, v godi; Mw s teini-miteu, c tuni-tei, P ititi (assimilated) L kucei (borrowed from W sw); C J kutcu-wic, CL kucue-min.
- 136. I. W N, c ni; Md N, s ni; Y, all, na; Y P gen ("my"); Mw, all, kanni; C F, J kana, CR, B kan, B, M ka; W s tcu. There are probably two elements, kand n-, sometimes combined, sometimes used singly.
- 137. Thou. W, all, mi; Md, all, mi; Y, all, ma; Mw, all, mi'; C F, J, CL me-ne, в me-n, м me.
- 138. We. Mw s mahi, c, N, P maci, co mako; C J makin, cL maken, cR maksent, в makse, м mak.
  - 139. This (1). W N, s eu; Md NW, s hede; Y N hi, v hihi, K ke, T xe, P, B xi.
  - 140. This (2). Md NE uni; Mw S, C, P ne, N nei, CO ni; C CL, CR, M ne-pe, B ne-.
  - 141. That (1). Md nw, s hodo; Y n, v ki, v, T ka, K kai, T xi, P xo, ko, B xuntu.
  - 142. That (2). Md NE ani; Mw C, P, co no, N noi; C B nu-, M nu-pi.
- 143. That (3). W N, s pi; Md NW mo, NE, s mö; С в, м pina, nu-pi, ne-pe
- 144. Who. W c popi, sw popa (assimilated); Md NW mene, NE homoni, s homoko; Y N, K, T, P, B wat, v watuk; Mw S, C, N mana, P, CO manti; C F, CL mato, J mato, CR atu, B ate, M amp.
- 145. What. W N heke (where); Md N, S hesi; Y N hata, v han-uk, K hanta, T, P han, B han-wil, Mw P hiti, co hinti; C P hinto.
  - 146. Up (1). W N, C olel; Mw S, C, N, CO, L lile; C J rini-mu, B rini.
- 147. Up (2). W s panti; Md NW hipi-nak, NE hipi-na; Y N teipin, V, K, T tipin, B tipan; C M tapre.
- 148. Down. W N, c ken, s tcenti; Md NW kana-nak, NE kanai-na; Y B xoni-u; Mw P wanit; C B winimui, M winum.

149. Tomorrow (1) (Cf. 69, Sun). W N hima; Md NW himaduk; Y K, T hiemxac, B hümdja.

150. Tomorrow (2). W s bina; Md NE bene-ki; Y v bayi-u.

151. One. W N, c kete-m, c kete-t, s ete-ta; Md Nw wökte, NE söti, s wite; Y N, T yet, v yet, K yetc, P, B yit; Mw S, c keñe, P kena-tu, co, L kenne.

152. Two (1). W N, c pale-t, s pampa-ta (assimilated); Md N pene, s pen; Y N, K punoi, v ponoi, T, B poñoi, P puñi.

153. Two (2). Mw S, C, N oti-ko, P oyo-ke, co ossa, L otta; C J utsi-n, CL uti-n, CR uthi-n, B utxi-n, M uti-s.

154. Three. W N, C panol, SE ponol-ta, SW punul-ta; Md N, S sapwi; Y N, V, K, T copin, P cop, B copi; C J, CR, B kapha-n, CL kapa-n, M kape-s.

155. Five (1) (cf. 28, Hand). W N, C tcan-sem, S ete-sem-ta; Md Nw ma-tsani; Y N, v yit-sinil, к yit-ienil, т yüt-ciñud, Р yet-sili, в yit-süñul, С л, к mi-cur, сь mu-cur.

156. Five (2). Md NE ma-wika, s ma-wik; Mw s ma-hoka, c ma-soka, m mo-soka, p ka-soko.

157. Six. Md n saitsoko, Y n, v, k, B te'olipi, T te'udipi, P te'ilipi; Mw s, c, n temoka, P temepu; C J, CL, CR, M sake-n.

158. Eat (1). Y N, V xat; C M kat.

159. Eat (2). W N, c, s ba; Md N pe, s payel; Mw s, c, N uwu; C F amu-, J, CL, CR amai, C ama.

160. Drink. W SE elu, SW tete (assimilated?); Y N, V, K, T ukun, P okon, B ukon; Mw S, N uhu, C usu, P use, CO, L ussu; C F owato, J uweto, CL weto, CR uit, B uki-si, M uki-s.

162. Dance (1). W N tcuna, C ken-tcon, SE tono, SW ton, tolo; Md NW kamini; Y N, K, T ka'm; Mw S kalañe, C kalanu, N kalte, co kawul; C CL to-ken, CR, B tcite, M tcit.

163. Dance (2). Md NE wete-mdo; Y N woti, T woti-yot, P wodoy, B wutei.

164. Sing. W se muhi, sw muhu, s muhe; Mw s, n muli; C müli.

165. Sleep (1). W N xina, c keno, s k'ana; Y P k'eneu ("lie" in other Yokuts dialects).

166. Sleep (2). У к ențim, т eñțam, в iñați; Mw co etc, L ets; С J ețe, сL etin, св etcen, в ețen, м ețn.

167. See. W SE tc'o, SW tcowi; Md N tse; Y v cil, P dileu.

168. Kill. W N Loma, S limo; C J, CL, CR, B, M nimi.

169. Give. Md Nw me, NE, S mei; Y N, v, K wan, v, T waki, P wa'en, B wa'an; Mw co wa.

170. Laugh. Y N, K, T hai, V, B haya, P hayau; Mw co hawai.

171. Cry, Mourn. W n watca, se wati, sw watu; Md nw won, ne wakdo; Y n, v, k wahil.

		6.	Woman,	$\dagger Girl$	(1)	
W	N	po	k			-ta
	8	po	ki			-ta
	sw	0	ki			-ta
Md	N, S		kü	le		
Y	N, V	mu	k'e	la		
	T	mu	k'a			-c
	В	$\mathbf{m}\mathbf{u}$	k'e	-		-8
Mw	co		ku	leyi		
	L	po	tsi	•		
С	CR	†mu	xa			-c
	В	mu	ku	r		-ma