

In memory of Cherry

"The Queen of the Forest"

THE MAYI LANGUAGES OF THE QUEENSLAND GULF COUNTRY

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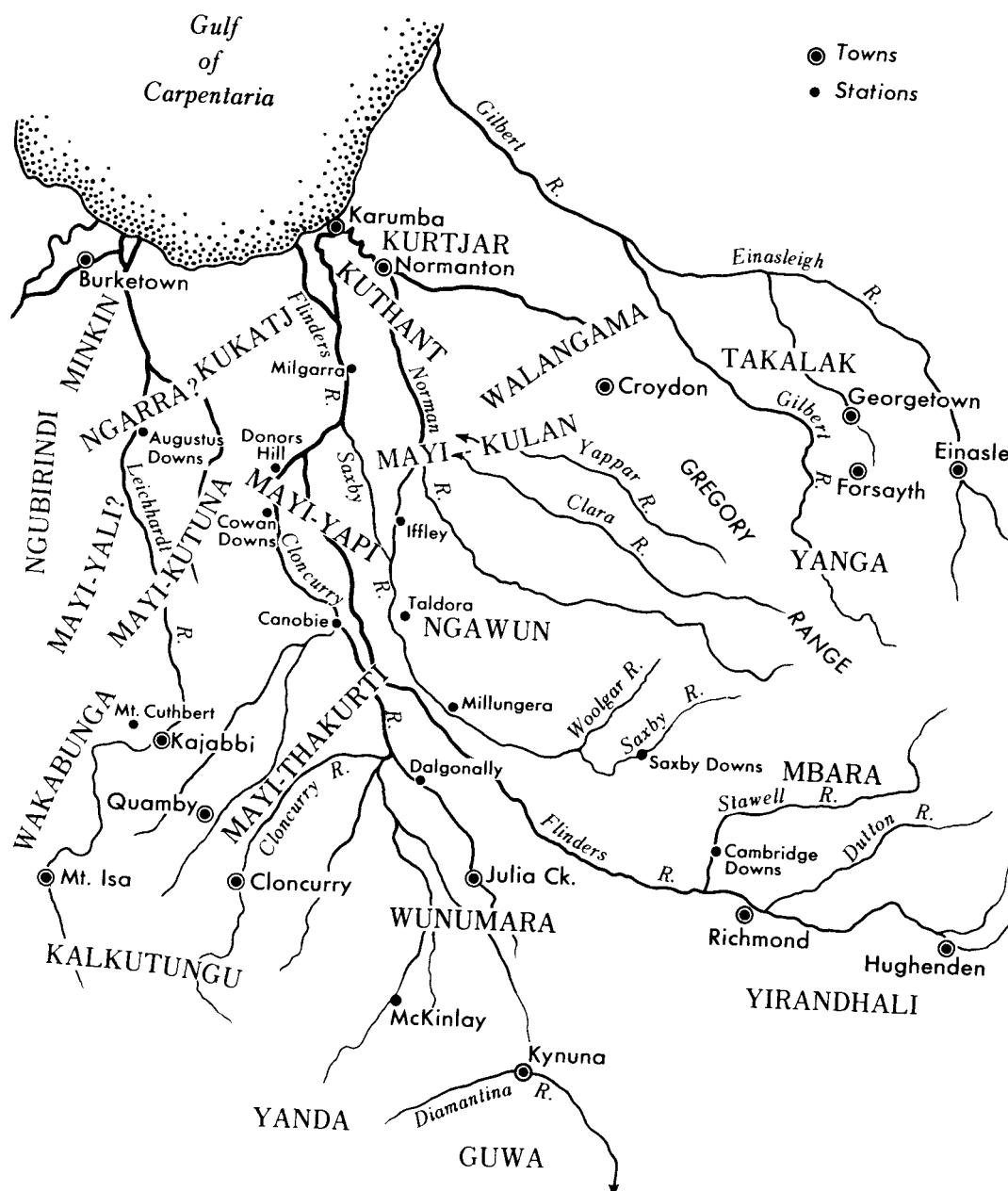
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THE MAYI LANGUAGES



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Chapter 1

MAYI AND ITS SPEAKERS

1.1 Spelling of Mayi words

This description of the Mayi languages has been written mainly for two different groups: (a) people with a special interest in the Flinders-Leichhardt area, especially the descendants of the speakers of Mayi and (b) specialists in language. It was thought that the former group would be interested mainly in the introductory chapter and the vocabulary, and not so much in the more technical sections in which the phonology (or sound system) and grammar are described. (Note, however, that some parts of this chapter too are rather technical; in particular I.6 and I.8.) Therefore a practical orthography (or spelling system) has been designed to be used for Mayi words in the introduction (although occasionally phonemic - between slant lines - or phonetic - in square brackets - symbols have been used) and in the comparative vocabulary. The spelling in the other chapters and in the notes to the vocabulary is, as appropriate, either phonetic, phonemic or in the spelling of the writer quoted.

Phonetic spelling uses an alphabet suitable for any language; it requires a large number of special symbols and no knowledge of the structure of the particular language being written. A phonemic system is based on the sound system of the language; it writes sounds as different only if the speakers of the language hear them as different. Thus, for example, in the Mayi languages the sounds written p and b in English are not heard as separate sounds but only as varieties of the one sound, so they are both written with p. (b could just as well have been used.) The practical spelling system used here is adapted from the phonemic system to suit English speakers rather than native Mayi speakers (who no longer exist), and uses only the letters of the English alphabet. It is hoped that it will allow readers with no training in linguistics to make a reasonable approximation to the pronunciation of most words (if they keep in mind a few simple

rules).

The relationship between the phonemic and practical orthographies is explained in 2.6. Pronunciation rules (for non-linguists) are given in 4.2. A glossary of technical terms used in this chapter is given in 1.10.

1.2 The language names

The name Mayi is applied to a group of dialects comprising, it seems, two mutually unintelligible but closely related languages and formerly spoken in a large part of the catchment area of the Flinders and Leichhardt Rivers in the Gulf Country of Queensland. The map shows the approximate areas in which each of the communalects was spoken, together with the names of neighbouring languages. Boundaries are not drawn in as they are not sufficiently well-known.

The word mayi means '*speech*' or '*language*' in this area and has been heard used as a name for the languages of the area by the most knowledgeable of the informants. It has therefore been adopted in place of the term Mayapic Group, coined by O'Grady, Voegelin and Voegelin (1966) and based on the dialect name Mayi-Yapi, misheard as Mayapi. Another name that has been used for the group is derived from the word for '*man*' in some communalects. This name was first used - with the spelling Bundyil - by Schmidt (1919:132). It has been used also (as Bundjil) by Holmer (n.d.b) and (as Bandjil) by Breen (1974:6).

The majority of the communalects forming the Mayi group have compound names of which the first member is the word mayi: Mayi-Kulan, Mayi-Yapi, Mayi-Thakurti, Mayi-Kutuna and Mayi-Yali. In most cases the second member of the compound cannot be identified. Mayi-Kulan (also called Mayi-Kuluyn) has a demonstrative kula '*this, here*', of which kuluyn seems to be a variant. Mayi-Kutuna (also called Mayi-Kutun, Mayi-Kutunu and Mayi-Kutuyn) has a demonstrative kutu, meaning unknown but probably the same as kula in Mayi-Kulan. A word meaning '*this*' is used as an element of language names in other parts of Australia, e.g. Cape York Peninsula (Gugu-Yalandji) and the Western Desert (Ngaanyatjara).

Mayi-Yali is completely unknown apart from the name and the statement that it is "the same as Mayi-Yapi" (Cherry O'Keefe). However, if it was located in the area of Myally Creek and Myally Station, as seems likely, it is separated from Mayi-Yapi by Mayi-Kutuna and so is more likely to be closely related to the latter. A morpheme -yali, meaning unknown, occurs as a suffix to the demonstrative kutu in the speech of the Mayi-Kutuna informant Peter Nardoo. It is possible that Mayi-Yali is just an alternative name for Mayi-Kutuna.

I have no idea of the etymology of the other names, Ngarra, Wunumara and Ngawun.

1.3 Locations

Tindale (1974:183) places the Ngawun "at Iffley (in later post-contact times only), at Taldora and Millungera; east to Gregory Range and Saxby Downs; south-west to Julia Creek." Sharp (1939:256) and the older sources are substantially in agreement with this. O'Keefe thought the area extended further south and, in its southern part, much further east (to Hughenden); however, her knowledge is of the situation after its disruption by white settlement.

The Mayi-Kulan were on the "Middle Norman, Yappar and Clara Rivers; north to Milgarra; east to Gregory Range; west to Iffley and Canobie Stations (Tindale 1974:180). Palmer (1883a) perhaps combines Mayi-Kulan with Ngawun and some Mayi-Yapi territory in his "Mycoolan" area: "Saxby River, to within 40 miles of Normanton on Spear Creek, country about Donor's Hills, south nearly to Millungera Station, east to Creen Creek and through the sandy forest bordering on the Saxby Plains." Armit (1886:301) gives an impossible location while Lamond (1886:322) places it between the Gregory and Leichhardt Rivers, which is much too far west (he may be referring to the Mayi-Kutuna; his vocabulary is closer to that language than to Mayi-Kulan). Sharp (loc. cit.) also has it further west than Tindale or Palmer.

Tindale (loc. cit.) has Mayi-Yapi "on Cloncurry River south to Canobie, north to just above Donor[s] Hills, at Numbera (Conan [=Cowan] Downs); east to midway between Flinders and Saxby Rivers; west to Upper Dismal Creek and Leichhardt - Cloncurry Divide." (Dismal Creek rises a little north-east of Kajabbi and joins the Cloncurry a little south of Cowan Downs.) Sharp's (loc. cit.) map supports this and the older sources are essentially in agreement as far as they go.

Mayi-Thakurti country was "from Williams River and Cloncurry north to Canobie on Cloncurry River; east to the Julia Creek junction with Cloncurry River and to Mount Fort Bowen; at Dalgonaally" (Tindale loc. cit.). Sharp (loc. cit.) seems to agree but Curr's (1886-7) map has it extending further east, and Roth (1897:42) gives it the whole Cloncurry River basin as far north as the Dismal Creek junction.

The Wunumara were on the "headwaters of Flinders River, east to Richmond; south to the Divide and to Kynuna; west to the Williams River near Cloncurry; north to Cambridge Downs and Dalgonaally" (Tindale 1974:188). MacGillivray (1886:340) says that "Oonomurra" country "commencing at Richmond Downs Station, on the Flinders, extends up that river and nearly to the Diamantina, thence stretches to the Cloncurry, and is bounded by that river to its junction with the Gulliet [Gilliatt]. Its boundary from that junction is an easterly line to the Flinders, which river it follows up to the starting point". This includes some country others ascribe to the Mayi-Thakurti. Roth (loc. cit.) agrees fairly closely with Tindale, although his map does

not go as far west.

Mayi-Kutuna territory was "Middle Leichhardt River; north to Augustus Downs; south to Mount Cuthbert; western boundary on edge of inland plateau" (Tindale 1974:180). The old sources agree, insofar as they are specific.

According to Tindale (1974:181) the Marrago or Ngarrago were "on Alexandra River - no details are available". However, F. Donner (1900) placed them at Augustus Downs and Armit (loc. cit.) (whose spelling of the name, Ngarra, has been used here) placed them on the Leichhardt River. They may have been a northern group of Mayi-Kutuna; note that the northernmost source of Mayi-Kutuna - Turnbull (1896, 1903, 1911) at Armraynald - identifies the language he collected as Mayi-Kutuna and the vocabulary collected by F. Donner (1899) (at Floraville, between Armraynald and Augustus Downs) is almost identical to that from other Mayi-Kutuna sources.

Mayi-Yali, if a separate group, were presumably in the vicinity of Myally Creek, west of the Leichhardt.

Nearly all of this area consists of wide alluvial plains or, in the south, rolling downs of heavy grey and brown soil, intersected by numerous streams flowing only after the summer rains. The streams are especially numerous and ephemeral in the sandier eastern portion. The soil is poor and badly eroded and the country is to a large extent treeless, with vegetation dominated by tussocky Mitchell grasses (*Astrebla spp.*). In many areas shrubs such as gidgea (*Acacia cambagei*) and *Acacia farnesiana* are scattered throughout the grassland. In the occasional woodland areas carbeen (*Eucalyptus tessellaris*) is prominent. Red gum (*E. camaldulensis*), coolibah (*E. microtheca*) and paperbark (*Melaleuca spp.*) grow along the watercourses with bauhinia (*Lysiphyllum carronii*) in low-lying areas subject to prolonged flooding.

The eastern and southern parts of Mayi country were much more lightly populated than the more low-lying and better watered parts closer to the Gulf of Carpentaria.

1.4 The speakers of Mayi

Most of the early sources of linguistic data on Mayi give also some anthropological information, although in most cases it is no more than a collection of snippets. Combining this information, and assuming that most of it applies to all Mayi groups, we can learn a little of their appearance and lifestyle. (The details given below are not exhaustive.)

The Mayi people were tall and had long hair tied in a knob at the crown. They "ornamented" themselves with scars, the men on the arms and, in some areas, down the back and across the stomach and the women around the top of the shoulders and across the breasts. The septum of the nose was pierced to take a bone,

feather or stick, and in some places they also made "a large hole in the butt of the ear". At initiation, one or two (depending on locality) upper front teeth were knocked out. The Mayi-Kutuna may have had circumcision and subincision (the sources do not agree) but the other Mayi groups had neither.

The Mayi-Yapi were said to wear no clothes, but among the Mayi-Thakurti and/or Wunumara the women wore an apron made of strings of possum fur, hung from a human hair string round their waists. Mayi-Yapi men and women wore necklaces of shells.

The different tribes were said to be distinguished by "crests", which included a shell on each cheek (Ngarra), a forehead band with pendulous kangaroo teeth (Mayi-Kutuna), a snake painted on the shields (Mayi-Yapi), a belt painted with red ochre in imitation of the meshes of a net (Mayi-Thakurti), two possum fur legbands, with pendants, on each leg - one above the knee and the other on the calf (Mayi-Kulan) and possum fur armlets and pendants, worn beneath the biceps (Ngawun).

In the more northerly, better watered areas the main purpose of what little housing was used was protection from mosquitoes. "Rude bedsteads" were made, supported on forked sticks driven into the ground, and a smoky fire was lit underneath; the men slept on the beds while the women kept the fires going. Also used were beehive-shaped huts, the doorways of which were protected to some extent by smoke, and grass coverlets. In the drier, more inland areas the nights were colder and mosquitoes less of a problem. People there slept between small fires, covered with strips of tea-tree bark.

Main animal food items mentioned for the Mayi-Yapi are fish, goannas, snakes, turkeys, ducks, emu and wild dogs. Kangaroos were scarce. In the drier country the major items were mussels, rats and pigeons. Kangaroos, emus, possums, waterfowl and snakes were also eaten. Smaller game were roasted on coals or baked in ashes. Larger game were often cooked in earth ovens, heated stones being placed inside the carcase.

Vegetable foods were, however, probably the major part of the diet in all areas; Palmer (1883b) lists several dozen plants used as food sources as well as twenty or so used for medicine or to poison fish. Vegetable foods included a number of cereals, the seeds being winnowed, ground and roasted or made into a paste with water and baked. Many types of fruit were eaten, mostly raw. Yams and tubers were mostly roasted, but some could be eaten raw. Roots of a number of trees could, when young, be peeled and roasted. Roots, stalks and seeds of some kinds of lily were eaten, raw or roasted. Other items included gum from certain species of Acacia, manna from bloodwood leaves, nectar from certain blossoms and pods and/or leaves of some plants. In certain cases quite complicated procedures were required to make a food edible.

Weapons used in hunting or fighting included spears of various kinds, woomeras, various kinds of boomerang, nulla-nullas, two-handed clubs and shields. Other tools included axes of ground stone (or flint, according to one source) with wooden handles, chisels and knives of flint, sharpened mussel shells or possum teeth used with or without handles, and bone fishhooks. Fishing nets were made, as were wooden coolamons, bark and grass bags and dogs skin water-bottles. Notched message sticks were used.

Marriage rules were based on a system in which every person belonged to one of four sections - although in much of the Mayi area eight names were involved, as each section had separate names for males and females. The four sections, as given by Palmer for the Mayi-Kulan, were (1) Marringo (male) and Ngarran-unguno (female), (2) Yowingo (m) and Carburungo (f), (3) Bathingo (m) and Munjingo (f) and (4) Jimalingo (m) and Goothamungo (f). A man belonging to the section that we have numbered (1), i.e. a Marringo man, must marry a Goothamungo woman, i.e. belonging to (4), the Jimalingo-Goothamungo section, and their children belong to (3), i.e. the boys are Bathingo and the girls are Munjingo. The system, using the numbers to represent the sections, + to mean 'marries' and → to mean 'and their children are', is as follows (men on the left):

$$1 + 4 \rightarrow 3$$

$$2 + 3 \rightarrow 4$$

$$3 + 2 \rightarrow 1$$

$$4 + 1 \rightarrow 2$$

The sections can be combined into moieties, 1 and 2 forming the moiety called, over a wide area, wuthurru, and 3 and 4, parrkatha. (Palmer does not mention these names and the moieties seem to have been unnamed in the area he worked in.) It can be seen that one always married outside one's own moiety and that children belonged to their mother's moiety.

A different nomenclature (but the same system) has been spreading through the Mayi area in the recent past; Mayi-Thakurti and Wunumara had the names kurrkila, kanbari, wunku and kupuru late last century and it had spread to the other groups early this century.

Polygamy was common. According to Curr's anonymous correspondent the Mayi-Yapi men obtained their wives from other tribes, especially the Mayi-Thakurti, but MacGillivray (in Curr) says that the "Oonomurra" got their wives from inside or outside their tribe indifferently.

Little is known of their religion and mythology, although most of it was probably shared with neighbouring tribes such as the Pitta-Pitta, who were described at some length by Roth (1897). One traditional story was told by Cherry O'Keefe (unfortunately

she could not tell it in Ngawun); it is a version of the story of how the porcupine (*echidna*) got its spines and is given below as told (note that 'he' may refer to a woman as well as a man).

"That's in the old times they reckon that - before the end of the world, years ago - that it was a dark woman. And he was married to the cockatoo; like, that was a man. And the cockatoo run away with this porcupine; he was a woman. And the mob of other blackfellows came along and riddled them with spears. That's how all them spikes are in them. And the old cocky had to paint himself with white chalk, being a widow you see. That's how he turned white."

The takeover of their country by the whites was for the Mayi a disaster whose magnitude can be gathered from figures given by some of the contributors to Curr (1886-7). MacGillivray estimated that the "Oonomurra" numbered 200 when the whites came in 1868 and not much more than 100 in 1880. An anonymous contributor thought there were 1000 Mayi-Yapi when the whites first settled in that country, but only 250 a few years later (1868) and about 80 in 1879. Lamond says that the "Mykoolan" tribe was first settled by the whites in 1864, and their numbers had been reduced from 400 to 200 by the time he wrote. All three give the main causes of this mortality rate as the rifle and introduced diseases.

1.5 Mayi languages: early sources

The earliest and, for many years, probably the highest quality published work on Mayi languages was that of Palmer (1883a and b and 1886:330-9). Although obviously an amateur, he could hear phonetic distinctions that escaped other early collectors and even some twentieth century workers, being fairly consistently able to distinguish interdental from alveolar stop and to identify initial velar nasal. His translations of lexical items are generally reliable although his material on verb morphology is not correct, his data being forced into a Latin-type paradigm which is quite inappropriate. Palmer's informants were Plungreen (probably something like Panggariyn (/pankarinY/), English name Hector) for Mayi-Kulan and Yulegerri (also known as Jacky) for Mayi-Yapi. The former, who had been reared among whites, was regarded as a much more intelligent and reliable informant.

Palmer is responsible also for the information on Mayi-Thakurti kinship terms in the Howitt Papers, while Percival E. Walsh contributes terms in Mayi-Kulan and Wunumara. These are in answer to a questionnaire from A. W. Howitt and L. Fison. The terms are handwritten, not always legibly, and Howitt's own reading of them seems at times to be wrong. Glosses are not given on the originals (although items are numbered) but they are given in Howitt's reordered copies. Some items have, however, been incorrectly numbered and so are wrongly glossed by Howitt.

Of Curr's (1886-7) other correspondents, only one or two were able to recognise initial velar nasal at all, and then only occasionally, while only Montagu Curr has distinguished the interdental stop consistently - indeed, no other worker (except Palmer) prior to the late 1960's managed to do this. The others do not rise above the usual low level of linguistic ability found among graziers and policemen in the late nineteenth century - a failing for which they can hardly be blamed.

The Curr correspondents (other than Palmer) were:

W. E. Armit (Vol. II:300-5), whose vocabulary from the mouth of the Leichhardt River is in Mayi-Kutuna;

Edward Curr (Vol. II:316-7), Mayi-Kutuna from the Leichhardt River, twenty miles below Kamilaroi Station;

Montagu Curr (Vol. II:318-21), Mayi-Yapi from Kamilaroi Station;

an anonymous contributor (Vol. II:330-9), Mayi-Yapi from the Cloncurry River;

M. S. Lamond (Vol. II:322-5); Alexander MacGillivray (Vol. II:340-5).

There is some doubt about the identity of the material supplied by the last two. Lamond's area is given as "Between the Gregory and Leichhardt Rivers" and the tribe is called "Mykoolan". However, the area is much too far west for Mayi-Kulan and is, in fact, rather far west even for Mayi-Kutuna. Comparison of Lamond's vocabulary with others shows that it is closest to Mayi-Kutuna but has a number of items that are typically Mayi-Kulan (and Mayi-Yapi) and others that are typically Mayi-Thakurti. Counts show a 63% correspondence with other Mayi-Kutuna material, 44% with Mayi-Kulan and 46% with Mayi-Thakurti. It has been treated as a Mayi-Kutuna source, but any item not confirmed by other sources as Mayi-Kutuna has been marked in the vocabulary as doubtful.

MacGillivray's area has been very imprecisely specified in Curr as "The Flinders and Cloncurry Rivers" and the people identified as "Onoomurra Tribe". A more accurate description of the location of the property belonging to this (presumably the same) man is given by Palmer (1884) who mentions "McGillivray's [sic] station on Eastern Creek" as being on the boundary of Mayi-Thakurti (and Wunumara) country. A comparison of MacGillivray's vocabulary with other Wunumara and Mayi-Thakurti sources (essentially Roth for the former, Roth and Marshall for the latter) shows that it has only about 50% in common with the former and about 80% with the latter. Despite the name, therefore, it has been treated as a Mayi-Thakurti source. However, see 1.8.

W. G. Marshall's list in Mayi-Thakurti, appearing in John Mathew's 'Eaglehawk and Crow' (1899:207-72) is valuable as it contains a fair number of verbs and much of the grammatical data available on this dialect. The material is generally reliable except that the spelling is poor - made more so, it seems, by poor writing; thus a letter which he must have intended to be g is printed several times as j.

Roth's material on the Mayi languages is taken mostly from his 'Ethnological Studies among the North-West-Central Queensland Aborigines' (1897), although some items are to be found scattered through the North Queensland Ethnography Bulletins Nos 1-16. His spelling system is scientific and his spelling of lexical items is careful, detailed and atrocious. His hearing of Aboriginal words (at least at that stage of his linguistic career) was as poor as that of almost any of his contemporaries and even his careful division of words into syllables cannot be trusted. He gives material in Mayi-Thakurti and Wunumara and a few items (kinship terms) in Mayi-Yapi.

The contributions of W. Turnbull (1896 - as WT, 1903, 1911) of Arraynald Station and A. Donner (1899) of Floraville Station on Mayi-Kutuna appear in Science of Man and are potentially superior in value to most other early sources in that they give a comparatively large number of verbs and also some pronouns. Turnbull also gives some discussion of grammar, with paradigms. Unfortunately, this potential superiority is more or less nullified by their spelling, almost unbelievably bad in some instances, and their lack of understanding of their material, resulting in inaccurate and unreliable glosses and paradigms.

Dutton's list in Science of Man (1899) is not identified and is not separated from a preceding list in another language. It seems to be Mayi-Thakurti, and contains a few verbal forms. The spelling is extremely poor; this is partly due to what must be very poor handwriting by Dutton, which has been often misread by the publishers. Thus "Argocci" 'kangaroo', must be Argoon, "Pulva" 'fish' is probably Pulbee, "Muidie" 'mountain' would be Mindie, "Mavriah" 'tomahawk' Marriah and so on.

Daisy Bates' unpublished vocabulary and sentences in Mayi-Yapi, elicited in the Broome area, Western Australia, from Burangani (also called Queensland Tommy) and (same person?) Burrangoo (also spelt Burrongoo), are of higher quality than the earlier material. One peculiarity (whether of the informant or the collector) is the consistent appearance of what should, according to other sources, be [t̪] as [t̪y]; for example, the language name Mayi-Thakurti is spelt Maiajagurdi. The sentence material is of limited value owing to the absence of bound morphemes.

Tindale's unpublished vocabularies were gathered in 1938 and are phonetically the most accurate of the sources up to 1960. He suffers in comparison with the best early collectors in his

inability to identify the interdental stop consistently and in his consistent writing of a vowel between /r/ and a following consonant, but he is superior in other respects such as his unambiguous rendering of the vowel sounds and his ability to (usually) recognise final /nY/. His informants were Jerry Aden (Hayden?), Mayi-Kutuna, interviewed at Palm Island, Polly Walters, from Milgarra Station, Mayi-Kulan, interviewed at Cherbourg and an identified Mayi-Kulan informant seen at Woorabinda. Unfortunately, the last two had forgotten most of their language through long separation from other speakers and the material collected is overwhelmingly contaminated with words acquired at their respective mission homes. Aden's material, however, is reliable. Note that Tindale's vocabulary for the language he called Ngaon has been identified by Sutton (1976) as Mbara and is quite different to Ngawun, as described here.

Sharp (1939) gives only a handful of words, mostly section and moiety names.

A deficiency shared by all collectors up to this time is a complete inability to hear (or at least note) the difference between the two r - sounds. Interdental nasal is another sound that was never recognised.

It must be remembered, of course, that the early collectors were not, on the whole, educated people, least of all in linguistics, and they are to be thanked and commended for their efforts to record anthropological and linguistic information that would otherwise have been irretrievably lost.

1.6 Interpretation of early data

Interpretation of data on those communalects attested only or mainly from old sources relies heavily on our knowledge of the one communalect comparatively well attested from a modern source (Ngawun), as well as comparison with the surrounding languages (a few of which are well known).

Procedures used to determine the correct spelling of words which appeared in old lists but could not be elicited from modern informants included the following:

- (1) Asking a modern informant; the spelling given suggested one or more likely pronunciations and if the informant (who, of course, had previously not remembered the word) recognised it he or she could then give the correct pronunciation. This procedure was particularly useful in Mayi-Thakurti, with Eric Murphy.
- (2) Comparing it with a word given by a modern informant for another communalect, preferably, of course, another dialect of the same language.
- (3) Taking account of known phonotactic rules for the dialect or a closely related one.

- (4) Comparing probable cognates or borrowings involving another language (not closely related but often neighbouring).
- (5) Comparing other spellings of the same word by the same or other collectors.
- (6) Known idiosyncracies of the collector. These may be deduced from his spelling of better known words in the same language or of words in another, better known, language.
- (7) Known idiosyncracies of untrained collectors in general.

These procedures have been listed more or less in the order of their reliability; clearly one would not need (6) or (7) if one could use (1) (although (6) or (7) might be used to determine what pronunciations to suggest to the informant). However, in a particular case the evidence from (5), say, might be accepted in preference to contrary indications from (3) and/or (4).

Note that some of these procedures also led on occasions to correction of the meaning given for a word or of an incorrect attribution of a word to a particular communalect (thus, for example, Sandy Lorraine said that the Mayi-Kutuna word for '*emu*' was *tjungguparri*, but Eric Murphy said that was Mayi-Kulan).

Examples of the use of some of the above procedures are now given:

- (a) Tindale gave the Mayi-Kutuna word for '*vulva*' as '*njiritjin*'. He is known (by (6)) to have often inserted a vowel between /r/ and a following stop, so one of the pronunciations suggested to Eric Murphy was [nYirtYin] (*nyirrtjin*). He accepted and repeated this pronunciation.
- (b) Marshall's Mayi-Thakurti wordlist in Mathew has a number of instances of j where k or g would be expected, including some of nj for ng. Clearly Mathew sometimes misread Marshall's g as j. The word for '*straight*' in Kalkutungu is, in our spelling, *thurtuku*. Marshall/Mathew's *toortoojoo* '*straight*' is therefore assumed to be the same.
- (c) The word (for '*nose*') spelt ningar by Curr's anonymous correspondent, *ning-kă* by Roth, nykar by MacGillivray, yeengar by Marshall, nuegar by Dutton and eengar by Lamond is spelt *nyingga*. /nYi/ seems to be the only sequence that, in initial position, could be spelt by different people as ni, ny (?), nue (nu presumably as in nucleus), yee and ee. /ŋk/ is suggested by Roth's spelling, with some support from MacGillivray's and Dutton's (which both suggest a stop in that position; the other three spellings strongly suggest a nasal but are neutral as regards a stop following it).

- (d) The only rhotic occurring initially in Ngawun is r (/r/). The only one occurring finally or before a consonant is rr (/r/). This is true of a number of other Queensland languages and can be fairly safely assumed to apply to all Mayi communalects. Thus, Turnbull's ianbur 'spider' is spelt yanburr, Palmer's kurcha 'galls on eucalypts' kurrtja and Roth/s rō-kō-rō-boonă 'ornate boomerang' rukuRupuna (R is an indeterminate rhotic). However, the word (for 'skin') variously spelt beeah, beer, beya, peea, peer and bea is almost certainly piya; r here and in many other spellings (as in many English words) represents a vowel. The r of Turnbull's ianbur was not interpreted as vocalic because the vowel normally represented by ur in English -[ə:] - does not normally occur in most Australian languages.
- (e) A word for 'cold' is spelt yerrunga, yerringe and yerringer by Palmer, ye-ring-a by Montagu Curr, yernga by MacGillivray, yeanga by Marshall, yirringa by Armit, yen-ga by Edward Curr and yeiranga by Lamond. This was ultimately spelt yirrnnga. Several spellings suggested a three syllable word yiRiNGa (where R may be r or rr and NG may be ng, ngg or nk). However, other spellings suggest only two syllables, and the variety of vowels given in the second syllable of the three-syllable spellings suggest that there was simply a transitional vowel between rr and a following consonant. Edward and Montagu Curr's spellings are mutually incompatible; the former (in conjunction with other spellings) suggests yirnka but the latter clearly indicates no stop. Furthermore, it seems (at least for Ngawun) that rnk does not occur except across a boundary between morphemes. Edward Curr's spelling is therefore disregarded.

The following example illustrates conflict between the indications given by different procedures. Dutton gives goonadee for 'plain (geographical)' and Palmer goonarry for 'bald'. The same word has both meanings in some other Western Queensland languages, so it is assumed that this is the case here. Palmer's rr suggests a rhotic and Dutton's d suggests that it would be the tap rather than the glide. It is therefore spelt kunarri. However, some languages have kunari, suggesting that Dutton may have misheard. (Another possibility, of course, in this and similar cases is that the two words really are different.)

Inevitably many phonemicisations will be wrong. The degree to which even the spelling of a simple short word that has not been grossly misheard can be misleading is illustrated by two spellings of mandja 'good' - Edward Curr wrote myn-ga and Dutton munga. The use of g for /tʃ/ even when a or u follows is not uncommon, while Curr's y is his rendering of /a/

followed by a palatal on-glide for the following consonant.

1.7 Recent sources of data

The first contact of qualified linguists with a Mayi communalect was by the Summer Institute of Linguistics survey team of Oates and Healey in 1960. Their work with a Mayi-Kulan speaker was brief and gave some results that, with hindsight, are puzzling (see 2.5), but they did not have the opportunity to follow it up.

Linguistic survey work by Blake, Breen, Newland, Sutton, Sommer and Holmer during the late 60's and early 70's resulted in the discovery (by Sutton) of only one person able to form sentences with any semblance of confidence in a Mayi dialect. This was Miss Cherry O'Keefe, or Tjapun, a Ngawun who had been living in busy and secluded retirement for many years on Poseidon Downs Station, on the Flinders River west of Hughenden. She was born about 1895 on Cambridge Downs Station, near Richmond (or perhaps at Taldora Station; our information is contradictory). During her early years she had been well known as a fine horsewoman and was once known as "The Queen of the Forest". In later years she became an expert at saddlery and other leatherwork, among other things. She was recorded by Sutton (1970) and Breen (1972-4-6-7) for a total of ten hours of tape as well as some untaped material, mainly in Ngawun but with some Mayi-Kulan. After surviving flood, snakebite and fire during the last three years of her life she died of pneumonia on 24th August 1977.

Others worked with by Sutton in 1970 were Alec Smith (Palm Island), Jimmy Keys (Maryron Station, via Hughenden), Sandy Lorraine (Wurung Station) and Charlie Mulberry (Charters Towers). Smith had some knowledge of Mayi-Kulan grammar and a fair vocabulary (with, however, a number of unconfirmed items which are probably intrusions from some other language); he died before any further work could be done with him. Keys knew a little Mayi-Kulan and Lorraine a little Mayi-Kutuna, both contaminated with other languages. Lorraine, who was born at Lorraine Station, was also recorded there briefly by Breen in 1973. Mulberry, born at Canobie, knew a few words in a mixture of languages, Mayi (but not assignable to any particular dialect) and others; he has also been recorded by Holmer (n.d.b.). The phonology of the last three named was not reliable.

Others located, but not recorded, by Sutton in 1970 were Peter Nardoo (Cloncurry) and Eric Murphy (Palm Island). Nardoo, born at Nardoo Station, had the best knowledge of any modern Mayi-Kutuna informant and some fragments of grammar were learnt from him. Unfortunately, he was very reluctant to speak about the language. He was briefly recorded by Breen in 1973 and 1974. Murphy was recorded by Breen in 1978. He

did not remember much without prompting, but was able to confirm much of the vocabulary that had been learnt from other sources.

Bob McKillop was recorded by Blake at Townsville in 1971 and by Breen on Canobie Station in 1974. He called himself Ngawun, but was born of a Mayi-Kulan mother and a white father, in Mayi-Kulan country, and his dialect seems to be Mayi-Kulan with some admixture of Ngawun. A little grammatical material was obtained from him.

Charlie Calwell, a native speaker of Kalkutungu, was recorded by Breen at Dajarra in 1967 in what was supposedly Mayi-Thakurti but in fact mostly Kalkutungu with odd words in Mayi-Thakurti and other non-Mayi languages. Mrs Lardie Moonlight, another native speaker of Kalkutungu, was briefly recorded by Blake in 1967 and 1975 and by Breen in 1972-3-5. The material obtained was essentially the same every time - a few sentences learnt by heart to which she attached a variety of meanings, in either Mayi-Thakurti or Wunumara (or, conceivably, even Wakapunga). However, she was able to comment on a few items from the old Mayi-Thakurti and Wunumara sources.

Holmer (n.d.a) gives some supposed grammatical and lexical material in Ngawun, collected from Mrs Rosie Freeman, born Cambridge Downs, at Woorabinda. However, the whole of the grammar (apart from one interrogative pronoun) and almost all of the vocabulary are, in fact, in a Mari dialect. Only three or four lexical items are genuine Ngawun.

All tapes and transcripts made by Blake and Sutton (as well as manuscripts listed in the References) have been made freely available to the writer.

1.8 Internal relationships in the Mayi group

The percentages of shared vocabulary within the Mayi group are shown in Table I, which is based on the 100 item list published by O'Grady and Klokeid (1969). The actual number of items that could be compared ranged from 77 for Ngawun/Mayi-Thakurti to 36 to 40 for the five counts involving Wunumara; it was in the low 60's for other Mayi-Kutuna counts and in the high 60's or low 70's for all others. In particular the Wunumara list lacked verbs, a category in which similarities between the communalects (other than Mayi-Kutuna) were marked. Figures for Wunumara are therefore probably low. Counts on a bigger list (Breen 1971) give essentially the same results.

TABLE I
Cognate Percentages: Mayi Group

	MKI	MY	MT	W	MKT
Ngawun (Ng)	79	68	46	42	44
Mayi-Kulan (MKI)		86	62	50	55
Mayi-Yapi (MY)			76	59	62
Mayi-Thakurti (MT)				72	46
Wunumara (W)					31
(Mayi-Kutuna (MKT))					

MacGillivray's (1886) vocabulary can be taken as providing additional evidence for a close relationship between Wunumara and Mayi-Thakurti; as noted above (1.4) it was collected in an area close to the boundary between the two and it is lexically closer to the latter, as exemplified by other sources, but is called "Oonomurra". It is known (see, for example, Breen (forthcoming, section 1.3)) that there may be greater differences in vocabulary between two geographically distant points in a dialect area than between two localities close together but in neighbouring dialect areas (of the same language). It does not follow that a linguistic boundary between the two does not exist; however, it may be marked by grammatical differences much more than by lexical ones.

It seems clear that this group comprises two languages. Using the abbreviations defined in Table I, Ng, MKI, MY, MT and W form a dialect chain; although it is curled so that the two end members (and, indeed, most others) are contiguous, these two do not share a high percentage of vocabulary with one another. MKT forms the second language. The figures suggest that it is most closely related to its eastern neighbour, MY, but the 62% they have in common would certainly have been inflated by mutual borrowing. In fact, at the time when MKT would have split from the other members of the group, they would hardly have begun to split from one another, and MKT is then genetically more or less equally close to all of them.

The hypothesis that the lexical similarities between MKT and the other group is due primarily to genetic relationship and only secondarily to borrowing is supported by a study of the similarities in various lexical categories. This suggests that verbs are less susceptible to change than are most other items; thus, from a (maximal) 250 word list, Ng and its closest relative, MKI, shared 88% of verbs while with the more distantly related MT the figure was 67%. This pair of figures can be compared with the corresponding pairs for nouns of human classification - 75 and 57, body parts - 80 and 46, fauna - 83 and 42, inanimate nature - 71 and 14 and culture - 75 and 36.

TABLE 2

Grammatical Comparison: Mayi Group

	Ng	MKI	MY	MT	W	MKT
<i>Proprietary</i>	puna	puna	puna	puna	puna	puna?
<i>Dative</i>	n̄tu	nguntu		n̄tu	n̄tu	ngunu?
<i>I</i>	ngayu	ngayi	ngayi(ku)	ngayiku	ngayi(kura)	ngayu(ku)
<i>my</i>	ngatjiningu	ngatjiningu	or ngatjiringu	ngatjiringi	ngatjiringi	ngatharamu
<i>you (sing)</i>	yuntu	yuntu	yuntu	yuntu	yuntu	yuntu
<i>we (dual)</i>	ngali	ngali	ngali	ngali	ngali	ngali
<i>we (plural)</i>	ngana	ngana	ngana	ngana	ngana	ngana
<i>this, here</i>	kunu	kunu	kunu	kunu	kulan	kutu
<i>that, there</i>	kula	kula	kula	kula		
<i>what?</i>	tjila	tjunu	tjunu	tjunu	tjili	tjili
	ngani	ngani	ngani	ngani	ngani	ngani
<i>Present tense</i>	ingu	i	i	ingu	(?, given as 'who?')	
	ipungu	ingu	ingu	ipu	yi	
	ipu	ipu	ipu			
<i>Past tense</i>	nu	n	n	nu	la	na

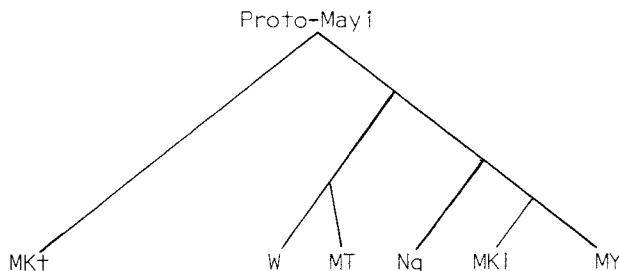
It appears that, since the dialects split up, more words have been replaced in the various nominal categories than in the verbal. The percentages shared between Ng and MKt are higher in some of the nominal categories than those between Ng and the genetically more closely related MT; the figures are 40, 34, 50, 29 and 27. However, the figure for Ng and MKt verbs is 53%, significantly lower than the corresponding figure for Ng and MT, but significantly high for a category comparatively insusceptible to replacement and for two non-contiguous communalects. The figures thus suggest that the two languages are genetically closely related; however, it should not be forgotten that the number of words involved is rather small (altogether, for the six categories, 112, 107 and 97 for comparisons of Ng with MKI, MT and MKt, respectively).

Table 2 gives a grammatical comparison of MKt with the other Mayi communalects. The paucity of data on MKt makes an adequate comparison impossible, but the material available does support the suggestion of a close genetic relationship between them.

It appears that a family tree of the Mayi communalects would be roughly of the form shown in Figure 1.

FIGURE 1

Mayi Family Tree



1.9 Neighbouring languages

Linguistic knowledge of the various groups bordering on the territory of the Mayi tribes ranges from zero (for Wakapunga) to fairly detailed (Kalkutungu). Wakapunga, in fact, could well have been another Mayi dialect although my own suspicion, based on wholly inadequate evidence, is that it was related to Kalkutungu.

Some names occurring in the literature have not been shown on the map. Quippen-bura is shown on Davidson's (1938) map in the vicinity of Richmond; it is not likely to be a language name (having the -bara suffix which is commonly applied to names of sub-tribal groups in Eastern and Central Queensland) but it

probably refers to a group belonging to the Yirandhalii. It is spelt Queebinbirra by Armstrong (1886) and may be based on the word guyibiy or something similar; this and related forms mean 'curlew' in many Mari dialects (note, however, that Christison in Bennett (1927) gives "moorrkoo" for both 'curlew' and 'mopoke' in Yirandhalii).

Tindale (1974:166) gives a name Bugulmara for a group located between the Mayi-Kulan and the Walangama; this could be a mishearing of Kumulmargh, an alternative name for Rib (also called Areba) which was spoken to the north of Walangama.

Armit (1886:303) gives other names of "tribes" on the Leichhardt River: Djarginra or people belonging to the fresh-water, Djinumarra or people belonging to the salt-water and Gooran or people belonging to the scrub. It is likely that these are local group names.

Table 3 gives cognate counts, based on the 100 word list, for Mayi communalects with neighbouring languages. In addition, figures are given for two languages which are not contiguous with a Mayi language: Wanyi (spoken west of Ngubirindi) and Gugu-Badhun, spoken some distance to the east and separated from the nearest Mayi groups by two languages, Yanga and Wamin. (It is probable that Takalak too is not contiguous with Mayi.) Apart from the names mentioned in the previous two paragraphs, two languages - Yanga and Wakapunga - are excluded for lack of data. Note, however, that Yanga is believed to be closely related to Mbara.

Most of the languages are known only from early sources. Sources of data are: Kalkutungu, Blake (1969, 1979); Ngubirindi, Roth (1897-1900, Obarindi); Wanyi, Breen, unpublished vocabulary; Minkin, Coward and Edward Curr (1886a) in Curr (1886-7), Turnbull (1896, 1903); Kukatj, Breen, unpublished vocabulary; Kuthant, Black (1980) and Breen, field notes; Walangama, Black (1976); Takalak, Tindale, unpublished vocabulary; Mbara, Sutton (1976) and Breen, unpublished vocabulary; Yirandhalii, Montagu and Edward Curr, Dalhunty and Christison in Curr (1886-7), Christison in Bennett (1927), Tindale, unpublished vocabulary; Guwa, Blake, Breen and Sutton (n.d.); Yanda, Breen (n.d.); Gugu-Badhun, Sutton (1973).

No attempt has been made to correct for borrowing, which undoubtedly contributes to the figures for all contiguous languages.

It is clear that the Mayi group is quite distinct from any of the surrounding languages for which data are available. The most promising direction in which to look for relationships outside the group is with the Northern Mari languages (of which Gugu-Badhun is one). No attempt is made to do this here.

TABLE 3
Lexical Comparisons, Mayi Languages and Neighbours

	Ng	MKI	MY	MT	W	MKT†
Kalkutungu				9	11	8
Ngubirindi						8
Wanyi						6
Minkin						4
Kukatj		16	13			
Kuthant		11				
Walangama	8	10				
Takalak		0				
Mbara	17			10		
Yirandhalì	25			14		
Gugu-Badhun	29					17
Guwa				21	34	
Yanda						23

1.10 Glossary

alveolar: a sound made with the tip of the tongue touching the ridge behind the top teeth, as *t*, *d*, *n* or *l*.

cognate: when words in different languages show resemblances and are believed to originate from a single word in an earlier language from which these languages have descended, they are said to be cognate. Examples are English *mother*, German *mutter*, Latin *mater*.

communalect: the speech of a community. Two communalects may be dialects of the one language or may belong to different languages (in which case they are not mutually intelligible). The use of the term 'communalect' avoids such awkward phrases as 'language and/or dialect'.

demonstrative: words like '*here*', '*there*', '*this*' and '*that*'.

interdental: a sound made by putting the tip of the tongue between the tips of the upper and lower front teeth, as *th*.

lexical: lexical items are words which have a meaning, rather than a grammatical function. Most words are lexical; pronouns (*I*, *you*, *we*, *he*, etc.), demonstratives, prepositions (*to*, *for*, *with*, etc.) and some other small sets of common words are not.

morpheme: a word or part of a word that has a meaning or grammatical function and cannot be divided into any smaller

meaningful parts. Thus 'boys' has two morphemes - 'boy' and 's' (which means plural); neither of these can be broken up further into parts with a meaning.

morphology: the study of morphemes.

nasal: a sound made by blocking the flow of air through the mouth and letting it out through the nose, e.g. *m*, *n*.

palatal: a sound made by raising the tongue up to or towards the palate, e.g. *y*, *j*, *ch*.

phonotactics: the study of how the sounds (or phonemes - see 1.1) of a language are put together into words - what sounds can begin a word (for example, in English most sounds can begin a word but the velar nasal, *ng*, cannot), what consonants can come together in a word (for example, in English *ft* can occur, as in 'soft', but *fd* cannot) and so on.

rhotic: an *r*-sound. There are two distinct rhotics in Mayi - see 4.2.

stop: a sound made by blocking the flow of air through the mouth, e.g. by closing the lips or by obstructing it with the tongue, and then letting it go. Examples are *p*, *k*, *d*, etc.

velar: a sound made by raising the back of the tongue to or towards the soft palate, e.g. *k*, *g*, *ng*.

Chapter 2

PHONOLOGY

2.1 Ngawun phonemes

Ngawun seems to have had eighteen consonant and three vowel phonemes, as shown in Table 4. Table 5 gives examples of the consonants in word-initial, intervocalic and word-final positions; examples of the three vowels in stressed (first syllable) and unstressed (including word-final) positions can also be found in this table. A dash in this table indicates that the consonant is not known to occur in that position.

TABLE 4
Ngawun Phonemes

Agent and Location of Constriction	Peripheral		Laminal		Apical		None
	Bilabial	Dorso-Velar	Dental	Alveo-palatal	Alveolar	Post-Alveolar	
Manner of Articulation							
Stop	p	k	t	tʃ	t	t̪	
Nasal	m	n	n̪	n̪y	n	n̪	
Lateral					l	l̪	
Tap					r		
Glide	w			y		r̪	
Vowel	u		i				a

TABLE 5
Examples of Phonemes

	Initial	Intervocalic	Final
p	palkal 'arm'	tYapul 'belly'	-
k	kant <u>a</u> r 'head'	kakunY 'possum'	-
t	t <u>i</u> n <u>i</u> 'tree'	yat <u>u</u> 'father'	-
tY	tYana 'foot'	natYiri 'sister'	-
t	titYiri 'call of willy wagtail'	warataŋka 'Iffley, (place name)	-
t̪	-	tYatu 'short'	-
m	mili 'eye'	tYamar 'spider'	-
n	nala 'by and by'	yanula 'goanna sp.'	-
n̪	namanu 'saw'	njanan 'snake'	-
nY	nYimul 'fly'	panYa 'woman'	manjanYmanjanY 'ear'
n̪	-	wanatYukari 'moon'	kunYin 'nose'
n̪	-	pana 'goanna sp.'	kantun 'father's sister'
l	liwinY 'mosquito'	pulun 'father's father'	tYinpal 'coolibah'
!	!unu 'lap'	ka!u 'hole'	ma! 'hand'
r	-	tariru 'thigh'	puriŋkir 'tomorrow'
w	wanka 'one'	yawanu 'threw'	-
y	yar 'mouth'	kaya 'windbreak'	-
r̪	rimpirimp <i>i</i> 'shoulder blade'	kuru 'kangaroo'	-

The opposition between the two laminal series is illustrated by the following pairs:

- tapun 'spear' / tYapun 'name: Cherry O'Keefe'
- kati 'meat' / katYi 'a lie'
- kuti 'star' / kutYir 'forehead'
- namanu 'saw' / nYamuru 'itch'
- njanan 'snake' / kunYakunY 'dilly bag'

/t/ is almost non-existent both intervocally (known only in the place name waratanka '*Iffley*') and word-initially (only in the onomatopoeic titYiri '*call of the willy wagtail*'). /t/ in the former word, however, contrasts with /t/ in taya_ta_ya 'to cut (reduplicated)' and initial /t̚/ does occur, e.g. timul 'bone'. Within a morpheme /n/ seems to be almost non-existent intervocally but it does contrast with /n/ in the pair njanu 'snake'/punara 'white'. However, the topicaliser -nV and the past tense suffix -nu can give rise to pairs like nayunu 'I-TOP'/mayanu 'spoke' or yarana 'you (plu.)-TOP'/maranu 'took'. Unfortunately, the vowel of the topicaliser is assimilated to the preceding vowel, but /u/ never occurs stem-finally in a verb. The opposition between lamino-dental and apico-alveolar is shown also by pairs such as kunta 'vulva'/kunta 'to kick'.

The opposition between the two apical series must, in the absence of intervocalic /t/, be illustrated by pairs involving nasals or laterals. These include qana 'we (pl.)'/pana 'goanna sp.', nani 'what'/kani 'shoulder', yina 'to sit'/piña 'lower leg', kaluru 'left (hand)'/kaļu 'hole'.

Opposition between /r/ and /r̚/ is illustrated by tariru 'thigh'/tariru 'is standing' and pura 'to fetch'/pura 'to run (of water)'.

In addition to the apical laterals there is a lamino-alveo-palatal lateral [lY] which occurs in a few words in a cluster with a following /tY/ and which contrasts with neither /l/ nor /l̚/. Since it is conditioned, as regards its point of articulation, by the following stop and so is predictable it clearly must be regarded as an allophone of one of the other laterals. The choice will be made on the basis of shared features. The features relevant to the point of articulation of Ngawun consonants can be analysed as coronal (the peripherals are -coronal and other consonants +coronal), distributed (relevant only to +coronal; the apicals are -distributed and the laminals +distributed) and anterior (of the stops [p], [f] and [t] are +anterior and [k], [tY] and [t̚] -anterior). [lY] is +coronal, +distributed, -anterior and so differs by only one feature from [l] which is +coronal, -distributed, -anterior and by two from [i] which is +coronal, -distributed, +anterior. [lY] is therefore regarded as an allophone of /l̚/. Note, however, that on other grounds it could be argued that [lY] should be regarded as an allophone of /l/; for example, the fact that heterorganic /lC/ clusters are very uncommon while /lC/ is common.

Glides /y/ and /w/ are frequently not audible when they occur word-initially before the homorganic vowel, /i/ or /u/ respectively. However, the convention is adopted of writing them in these positions, and also in those intervocalic positions where they could be regarded as predictable, e.g. /y/ in /piya/ 'don't'.

One word, [mánda:ra] 'sun' has a consistently long vocoid. This is phonemicised as /aa/.

2.2 Description of the phonemes

Because of the small size and restricted nature of the corpus, little can be said about the pronunciation of the phonemes beyond what is contained in Table 4, and the details of point of articulation given there are based on auditory impression rather than visual observation.

In most positions, excluding only where they follow a nasal in a cluster, the stops are usually lenis voiceless or lightly voiced. Intervocalic /t/ after a primary stressed vowel is sometimes a fricative [θ] or [ð], especially noticeable in the word /kat̪i/ 'meat'. After a nasal stops are voiced; /t/ may also again be a fricative [ð] as in /m̪anda/ 'vegetable food'. Note that this is a widespread word which may be a recent borrowing in Ngawun (replacing /palna/ which occurs in other Mayi communalects) and that both it and /kat̪i/ (another widely used word) may have been used in local Aboriginal English or Pidgin; thus Miss O'Keefe's pronunciation of them may be influenced by English.

The pronunciation of the nasals has no noteworthy features; nor has that of the laterals, except of course that /l/ has an allophone [ly] occurring before /tY/.

/r/ is a tap intervocally but tends to be trilled word-finally and before a consonant. Word-finally, if trilled, it may also be devoiced.

The only noteworthy feature of the pronunciation of the glides is the existence of a zero allophone of /y/ and /w/, occurring (more often than not) before /i/ and /u/ respectively.

In most environments /a/ is a low to mid-low central vocoid. Stressed /a/ is retracted after a peripheral, especially /w/ and especially if another peripheral follows. It is advanced after an alveo-palatal laminal. Unstressed /a/ also is advanced after /y/. Word-final /a/ may be centralised.

/i/ is typically [ɪ] but may be closer to [i] word-finally or before /y/ and perhaps other alveo-palatal laminals.

/u/ is typically in the region of [ʊ], sometimes [o], especially word-finally. It may be fronted and unrounded after /y/ and, to a lesser extent, /tY/ and /nY/.

All stressed vowels may be retroflexed before a post-alveolar apical consonant. All unstressed non-final vowels tend to be centralised and may be difficult to identify. Thus, for example, the second vocoid of [tarəru] 'thigh' and [maləru] 'hand' (the latter not a Ngawun word but used frequently instead of /ma!/) is assigned to /i/ only because it contrasts with the second vocoid of /tYalaru/ 'baby' and /kaluru/ 'left-hand'.

2.3 Stress and intonation

The main stress on a word is almost always on the first syllable. Occasionally there is a secondary stress on the second syllable of a trisyllabic word. In a four-syllable word there may be a secondary stress on the third syllable, especially if the word is a reduplicated form. In a longer word secondary stress tends to fall on the first syllable of a disyllabic bound morpheme, if any (for example [íkalamùndu] 'grass-ABL'), or otherwise on odd-numbered non-final syllables (e.g. [wánatYúñkari] 'moon'). For purposes of stress the first vowel of suffixes of the form -VC(C)V normally counts as part of the preceding morpheme. Thus [fmbamìringi] not [fmbamíringi], although the latter seems to be possible.

The word /puríñkir/ 'tomorrow' is exceptional in that the main stress frequently falls on the second syllable, the first vowel then being centralised to [ə] and often reduced, thus [pəríñkər]. This is not an uncommon phenomenon in Australian languages for words of three or more syllables beginning with a peripheral stop (or sometimes nasal) and with a lateral or rhotic following the initial vowel. Note also Lamond's (1886) spelling of this word: bringar, and some spellings of /pulakara/ 'two' in old wordlists: Anonymous (1886) blagura, Lamond (1886) blakarra, Roth (1897) plă-gă-ră.

Because of the hesitancy of Miss O'Keefe's speech there seems to be nothing worthwhile that can be said about sentence stress or intonation.

2.4 Phonotactics

Ngawun roots all begin in a single consonant (given our decision to write yi and wu instead of i and u initially) and end in a vowel or one of a small number of consonants. Any non-apical consonant may occur word-initially; in addition there are in the lexicon (which contains a little over 300 words) one word each with initial /t/, /!/ and /r/ and two with initial /l/. Table 6 gives the percentage frequency of each CV combination in initial position in Ngawun lexical items. Total percentages of each C and V in these positions are also shown. Note that /t/, /n/, /n/ and /r/ which never occur initially are not included. Perhaps the most noteworthy feature is the great predominance of /a/ in the primary stressed syllable.

Note that in Tables 6 and 7 figures are given only to an accuracy that seems justified by the number of words - about three hundred - on which they are based. Figures of more than about 10% are given to the nearest whole number, those between about 1 and 10% to the nearest half and those under about 1% to one decimal place. Any pretence at greater accuracy would merit the accusation of "delusions of accuracy" (to quote Moroney (1953:53)). As a result of this rounding off most sets of figures do not add up to exactly 100%.

Greater accuracy is justified in Table 8 because the figures are based on the number of phoneme occurrences, not on the number of words.

TABLE 6
Initial CV Frequencies

	<u>Ca</u>	<u>Ci</u>	<u>Cu</u>	<u>Total C</u>
p	8	4	5	17
k	11	1	13	25
t	6	1	3	10
t ^y	2.5	2	1	5.5
č	0	0.3	0	0.3
m	7	2	1.5	10.5
n	7	0	2	9
ɳ	1	0	0.3	1.3
n ^y	0.6	0.3	0	1
l	0	0.3	0.3	0.6
ɫ	0	0	0.3	0.3
w	7	1	1	9
y	4.5	3.5	1	9
r	0	0.3	0	0.3
Total V	55	17	29	

Consonants occurring finally are /n^y/, /n/, /ɳ/, /t/, /t^y/ and /r/, i.e. all non-vocalic coronal continuants except /n/. Table 7 gives the percentage frequency of occurrences of each V or CV combination in final position in lexical items.

TABLE 7
Final V(C) Frequencies

	<u>aC</u>	<u>iC</u>	<u>uC</u>	Total C
Ø	36	15	20	71
nY	1.5	2	0.3	4
n	3.5	2	4	9.5
n̩	0.3	0	0.3	0.6
l	3	1	3	7
!	0.3	0	0	0.3
r	1.5	3.5	2.5	7.5
Total V	47	23	30	

Consonant clusters can have only two members and predictable glides between vowels are written. Consequently the only syllable types are CV and CVC. The only word not conforming to this system is /mantaara/ 'sun' which has a V syllable; phonetically, however, this combines with the preceding syllable to form a syllable with a long vocoid [da:].

The only four monosyllables in the lexicon are of the form CVC; these words are *yar* 'mouth', *man* 'neck', *ma!* 'hand' and *nYal* 'just, now'. Disyllabic roots form 65% of the total, and of these 38% are CVCV and the remainder are roughly equally divided among the three other possibilities, CVCVC, CVCCV and CVCCVC. Trisyllabic roots form 26%; more than half of these are CVCVCV and about a quarter CVCCVCV. Almost half of four syllable roots are CVCVCVCV. There is one five syllable root, *wanatYunkari* 'moon'.

The following intra-morphemic consonant clusters occur: homorganic nasal-stop; apico-alveolar continuant plus peripheral stop; apico-alveolar oral continuant plus peripheral nasal; /!p/, /!tY/ and /rtY/. /!p/ and /rn/ each occur only once in the lexicon, /lŋ/ and /rtY/ only twice. However, /lŋ/ also occurs in a common bound morpheme. 55% of clusters are homorganic nasal plus stop; approximately one sixth of the total are /mp/ and one sixth /ŋk/. /nt/, /lk/ and /rk/ are the next most frequent.

About 40% of lexical items have one cluster; apart from a few reduplicated forms only one word has two clusters. One reduplicated form has three clusters, one of which is across a morpheme boundary.

Considering now inter-morphemic clusters, it seems that any cluster beginning with any phoneme that occurs root-finally and with its second member any phoneme that occurs root-initially should be permissible. In fact the only phonemes noted as

second member of an intermorphemic cluster are the peripheral stops and nasals, with the exception of the cluster /nYt/ which occurs when the ergative-instrumental-locative allomorph -tV is added to a stem with final /nY/, e.g. /kakunYtu/ 'possum-E/I/L'.

The overall percentage frequency of phonemes in lexical items is shown in Table 8. The average root has 5.8 phonemes: 3.3 consonants and 2.5 vowels. The most frequently occurring phonemes are the vowels /a/ /u/ and /i/, followed in order by /k p r m l n t n Y y w r nY/ with t and the post-alveolar apicals forming the least frequent group.

TABLE 8
Overall Phoneme Frequencies

p	k	t	tY	t	t	Total stops
6.6	8.5	3.7	3.0	0.6	0.6	23.2
m	n	n	nY	n	n	Total nasals
5.4	3.5	0.9	1.8	3.9	0.5	16.0
				l	l	
				4.5	0.7	
				r		Total liquids
				5.7		10.9
w		y		r		Total glides
2.2		2.4		1.8		6.4
u		i		a		Total vowels
12.7		9.0		22.0		43.7

Other features worthy of note are the preference for word-initial position of /w/ /y/ (about 70% of occurrences of each) k and t (about 50% each), and the preference for word-final position of n and nY (about 40% each). Also worth noting is the tendency for the second vowel of a word to be the same as the first. 43% of words whose first vowel is /u/ have /u/ as the second vowel while for two /i/s the figure is 37%; compare the overall percentage of vowels, 29 for /u/ and 21 for /i/. The figure for two /a/s is not so striking.

Some minor differences in frequencies could be expected in textual material. Initial /n/ and /y/ would be more common because of their occurrence in pronouns. All bound morphemes end in a vowel or /r/, so the frequency of other consonants

word-finally would be lower than in the lexicon. Words would, of course, be longer on average.

2.5 Notes on other Mayi communalects

Little can be said about phonological differences between Ngawun and other Mayi dialects and languages. The only difference in the phoneme inventory that can be suggested is that Mayi-Thakurti (and perhaps Wunumara, which is very closely related) has a phoneme /tY/. This is suggested by the words /tYipiliYa/ 'duck' (Tindale 1938a), /maLYiri/ (?) 'possum string armlet' (Roth 1910a:43) and the place name phonemicised /kaiYiya/ (Roth 1897:134).

A few phonotactic differences seem to be fairly well established. Mayi-Kutuna has word-final /y/, as a verbal termination and also in kakay 'bad', and apical stops, /t/ in /lirapatYit/ 'lip' (although the correct form may be /lirapatYi/) and /t/ in /munkut/ 'anus', also word-initial /t/, as in /tipari/ 'eye' and also may have a cluster /rw/ (Tindale's (1938a) /mitirwaRi/ 'black goanna'). Mayi-Thakurti, Wunumara and Mayi-Kulan may have a cluster /rt/ (e.g. in kurfu 'two' in the first two). Mayi-Kulan and Mayi-Yapi have /nn/ in /nYningin/ 'neck'. Mayi-Kulan has /lk/ in /talkutu/ 'ashes'. Mayi-Thakurti may have /l±/ (in /waita/ 'tail') and possibly /lt/ or even /!t/ (in NuL(T)u 'skin' and WuLTu 'river'). Cherry O'Keefe occasionally (and inconsistently) added final /nY/ to Mayi-Kulan words, changing a preceding /a/ to /u/. Thus /yuntu/ 'you' became /yuntunY/ and the bound morphemes /puna/ 'proprietary' and /muntu/ 'ablative' became /pununY/ and /muntunY/. Note also the demonstrative pronoun pairs /kula kulunY/ in Mayi-Kulan and /kutu kutunY/ in Mayi-Kutuna. Also, the alternative form "punu" given for the proprietary in Mayi-Yapi may perhaps be /pununY/.

In general initial laterals are more common in other communalects (perhaps excluding Mayi-Kutuna) than in Ngawun, and there is a correspondence between Ngawun initial /y/ and Mayi-Kulan initial /l/ in two words, /yarku/ - /larku/ 'coolamon' and /yawa/ - /lawa/ 'to throw' (/lawa/ also in Mayi-Yapi).

There is no other evidence of regular sound correspondences between unlike sounds, and in most cases where two corresponding words in different communalects seem to differ only minimally the explanation is probably error on the part of a collector. One group of words where this does not seem plausible is found in Oates and Healey's (1960) Mayi-Kulan list, where the usual /panYa/ 'woman' seems to be /panYatY/, /panYtYi/ 'man' /panYtYatY/, /kapul/ 'blood' /kaputY/, /timul/ 'bone' /timutY/, /tYika/ 'wallaby' /tYikatY/ and /pariyat/ 'budgerigar or white cockatoo' /pariyat/. Note also Bates' "yambitch" 'dog' instead of /yampi/ for Mayi-Yapi.

2.6 Practical orthography

Table 9, which is to be compared with Table 4 (2.1), shows the symbols used in the practical orthography. Those in parentheses are relevant to only some communalects.

TABLE 9
Symbols for Phonemes in Practical Orthography

p, b	k, g	th, dh	tj, dj	t, d	rt, rd, d	
m	ng	nh, n	ny, yn, n (l̪y, l̪)	n	rn	
w			y	l̪	rl̪ (l̪)	
u			i	rr	r	
						a

The following rules explain the usage where alternative forms are given:

- (a) Voiced stop symbols are used in nasal-stop clusters except heterorganic clusters involving /k/ (where k is written to avoid confusion with the nasal sound written ng); elsewhere voiceless stop symbols.
- (b) The spelling of some homorganic nasal-stop clusters is simplified: ndh instead of nhdh, ndj instead of nydj, rnd instead of rrnd.
- (c) The lamino-palatal nasal is written ny before a vowel, n before the homorganic stop and yn before any other consonant or word-finally.
- (d) The cluster pronounced [l̪Yt̪Y] is written lt̪j; phonemically this is analysed as /l̪Yt̪Y/ for communalects which lack a phoneme /l̪Y/ and /l̪Yt̪Y/ for those that have it.

In addition, the following symbols are used in the comparative vocabulary:

- e for a vowel which could be either /i/ or /a/ - for example, the vowel in the last syllable of the word for 'tooth' whose spellings in old sources include yarcharain and yarcharring,
- o for a vowel which could be either /u/ or /a/>,
- V for a completely unidentifiable vowel,
- W for an initial consonant that could be /w/ or /ŋ/,
- R for an indeterminate rhotic - /r/ or /r̪/,

- T for an indeterminate non-peripheral stop - /t/ or /tʃ/ or /t/ or /t/ - although /tʃ/ can often be eliminated,
- D as for T, but in a nasal-stop cluster,
- N for an indeterminate nasal - any except /m/, although /ŋ/ can be eliminated unless /k/ follows and /nʃ/ can often be eliminated. (Note that before /k/, if it is clear that the nasal is not /ŋ/, and before /p/ n can be written as it seems that no other non-peripheral nasal occurs.)
- NG means /ŋ/ or /ŋk/ or /nk/.
- L is an indeterminate lateral - /l/ or /ɿ/. (Note that word-finally and before a peripheral stop l is written because /ɿ/ is rare or non-existent in these positions).

Chapter 3

GRAMMAR

3.1 Introduction

The bulk of this chapter consists of a grammatical sketch of Ngawun. This is followed by grammatical notes on other Mayi communalects.

Ngawun and its sister dialects were a fairly standard Pama-Nyungan language with grammatical categories marked principally by suffixation, and perhaps no prefixation at all. Noun morphology was of the nominative-ergative type and pronoun morphology of the nominative-accusative type.

An interesting and perhaps unique feature of Ngawun noun morphology is the loss of the distinction between ergative, instrumental and locative forms as a result of vowel harmony. In many Pama-Nyungan languages ergative and locative suffixes differ only in that the former has a final /u/ and the latter a final /a/ (see, for example, Dixon (1976:313)). The instrumental coincides in form with one or the other; in most languages with the ergative. In some cases - certain Cape York languages, the Arandic languages, Wagaya - the distinction has been lost because of the loss of word-final vowels. In Ngawun the distinction has been lost because the final vowel of the suffix is assimilated to the vowel of the last syllable of the stem.

Verbs are in two conjugations, the division being made basically but not entirely on the basis of transitivity versus intransitivity. Our knowledge of the verb morphology is probably very incomplete, as little is known of aspect or derivation, especially nominalisation, which is important in many Queensland languages.

One morpheme which may have been a wide-ranging and important feature of Ngawun grammar is *-nu*; this forms part of the compound morphemes *-pirnu* which marks genitive case of nouns and pronouns (*-pir* is the allative case inflection) and *-inu* and *-ipunu* which mark present tense of verbs (the basically

intransitive and the basically transitive conjugation, respectively). The -i of -iŋu is homophonous with a morpheme which nominalises intransitive verbs. The simply inflected verb forms in -i and -lpu function as present tense in Mayi-Kulan and Mayi-Yapi. nu occurs also in a verbal future tense inflection -lŋu, which could be complex, and in a few sentences in which its function is not known.

3.1.1 CONVENTIONS

Sentential examples are numbered consecutively and are referred to by the bracketed number, thus 'see (16)'. They consist of (a) a sentence in the Mayi language (b) an interlinear translation and (c) a more or less approximate English translation. Usually (c) is the sentence which the informant was asked to translate and it may therefore not correspond exactly to the Mayi sentence. If necessary some addition or comment is included (in brackets) to avoid confusion. Where a translation is that given by the informant double quotes are used.

In general, pauses are not marked unless they are thought to be significant; most are simply the informant's hesitations. Where they are marked, / is used.

The following abbreviations are used for bound morphemes. Zero morphemes (absolutive, nominative, imperative) are not shown:

ABL	for ablative
ACC	accusative
ALLA	allative
DU	dual
ERG	ergative
FUT	future tense
GEN	genitive
INCH	inchoative
INST	instrumental
LOC	locative
NSKIN	non-singular kin-proprietive
PAST	past tense
PLU	plural
PRES	present tense
PRIV	privative
PROP	proprietive
PURP	purposive
QUES	question marker (not a bound morpheme)
REC	reciprocal
REF	reflexive
REL	relative clause marker
SING	singular
TOP	topicaliser
3KIN	3rd person kin-proprietive

3.2 Morphology

3.2.1 WORD CLASSES

Ngawun lexical items fall into three broad morphological classes: nominals, verbs and non-inflecting words. The first class can be subdivided into nouns (including demonstrative and interrogative pronouns) and personal pronouns. Further subdivision of the noun sub-class may be possible; the demonstrative pronouns are differentiated, on the data available, by having dual and plural forms, and there may be minor groups of defective or slightly irregular nouns, such as the compass point names. Numerals probably belong to the nouns; they occur in noun phrases but there is no evidence that they can be inflected.

The only other subdivision of a word class possible on morphological grounds is that of verbs into two conjugations, as mentioned above.

3.2.2 NOUN STEMS

The majority of noun stems consist of disyllabic and trisyllabic roots; only in a handful of cases is there any indication that such a root may be, even historically, not simple. These cases are the seemingly reduplicated forms pulpul 'old man', kulkul 'heron sp.', pupu 'mother's father' and, less plausibly, kunkun 'spear', and the trisyllabic stem patyanur 'child', in which the last syllable is not synchronically separable although there is a formative -nur (see below).

A number of stems are formed by reduplication of a disyllabic unit, although synchronically most of these units may not exist as independent roots. The only known examples are tamputampu 'lizard sp.', also 'breast' (although the latter can probably also be tampu, as in Mayi-Yapi), mananjmananj 'ear', rimpirimpi 'shoulder blade', kitYirkityir 'willy wagtail', manYimanYi 'bat', kunYakunya 'dillybag', kulukulku 'crooked', kutukutu 'Broadwater (place name)'. panYa 'woman' can be reduplicated but in this case the function may be to mark plurality. There is no evidence that this is so in the other cases; thus mananjmananj was used in the translation of a sentence in which it clearly had a singular meaning ('There's a fly on my ear'). It is interesting to note, however, that kunYin 'nose' was reduplicated in the sentence.

(1) kunYinkunYin mantinYpuna

nose-nose scar-PROP

'There's a scar on my nose.'

Reduplication was not used in other sentences of this type.

Some noun stems are compounded of two roots; in one case one of these roots has been shortened: tYanminYTyl 'toenail' from tYana 'foot', minYTyl 'nail'. Other examples are

ma!minYtYil 'fingernail' (ma! 'hand'), the language names mayikulan, mayiyapi, mayitakutti, mayikutuna and mayiyali (mayi 'language'; kula is a demonstrative in Ngawun and Mayi-Kulan and kutu a demonstrative in Mayi-Kutuna; other roots involved are not known) and perhaps waramutYu 'blind' (compare Mayi-Yapi milmutYu, Kalkutungu mutYupari, Kungkari mi:lmuyu, and putYu in some south-west Queensland and South Australian languages). Some such words, of course, may have been borrowed into the language in their compound form; waramutYu is a possible example.

It is likely that all other words of four or more syllables are compounds, whether native or borrowed. Such words include wanatYunkari 'moon' (the only word of more than four syllables not presently analysable), pankutYaru 'young woman', tarapuka 'brolga' (which may incorporate the widespread root tara or tara 'thigh'; the Ngawun word is tariru), walapanta 'black cockatoo', palakari 'river red gum', tulukumpu 'deaf' and several others.

Several noun stem-forming suffixes are known; however, in some cases lack of data prevents any confident description of their function. One such is -pari, which occurs in tYunkupari 'emu', kanjkapari 'plant, *Carissa* sp.', mampirupari 'plain goanna' and winupari 'galah'. Cherry O'Keefe thought that mampiru "must be something he [the goanna] eats". The phonetically very similar -pari occurs in yalkapari 'boomerang' and katYipari 'liar' (katYi 'a lie', katYa 'to tell a lie').

The formative -para may be translatable as 'characterised by'; it occurs in putupara 'tea tree, *Melaleuca* spp.' (putu may be another name for these trees or may refer specifically to their bark) and kamupara 'wet season' (kamu 'water'). Note also the Mayi-Kulan word kupinYpara 'windy' (kupinY 'wind').

A productive formative is the proprietive -puna 'having' which denotes possession, as of a quality or object, including physical possession (e.g. of something one is carrying) and also accompaniment. In the case of physical possession and accompaniment -puna is more akin to an inflectional suffix than a formative, functioning syntactically as a peripheral phrase rather than as (part of) a subject or object noun phrase. Compare, for example, the function of yaramanpuna in (7) with that of kiltYanta in (36). The fact that -puna is suffixed to the accusative rather than the nominative form of a pronoun (see (10), also 3.2.6) is further reason for regarding it as a case form (but unfortunately there are no examples of other formatives affixed to a personal pronominal form). It may be more correct to regard this -puna, denoting accompaniment or temporary physical possession, as a case suffix ('comitative') and the clearly stem-forming -puna as a formative ('proprietive'). However, there may be no clear dividing line between the two; the -puna form in (2) denotes temporary physical possession but is inflected as a noun stem.

- (2) wati yalmirinki kunkunpunanja
 that man-ERG spear-PROP-ERG
'That man with the spear [killed it].'

Noun stems formed with this suffix include tankupuna 'fat (quality)' from tanku 'fat (substance)', katyapuna 'cold (of an object)' from katya 'cold(ness)', n̄amurupuna 'itchy', kuntarpuna 'having a cold', kakipuna 'sore', makinpuna 'porcupine' from makin 'spike', yitipuna 'sick' (cf. yitimpala 'to be sick'), yakanpuna 'hot coal', 'charcoal' from yakan 'fire', kumiripuna 'smoky' from kumiri 'smoke', kamupuna 'having rain (of a cloud)' from kamu 'water', and katyipuna 'liar' (an alternative to katyipari, see above).

The following sentences further illustrate the uses of -puna.

- (3) pan^ytyil wirkantu wapiju yalkapariipuna
 man here-PURP go-PRES boomerang-PROP
'There's a man coming here with a boomerang.'
- (4) walki/ŋayu ŋapuyupuna wapiju
 no / I brother-PROP go-PRES
'No, I'm going with my brother.'
- (5) wuluntu wapiju yaramanpuna
 there-PURP go-PRES horse-PROP
'I'm going on horseback.'
- (6) piya kanpa kankaripuna
 don't play knife-PROP
'Don't play with the knife.'
- (7) ŋunyan wati yaramanpuna
 snake that horse-PROP
'There's a snake near the horse.'
- (8) t̄yilampal ŋankur ŋuranka yiniyiniŋu/mantapuna
 that-DU coolamon ground-LOC sit-sit-PRES/tucker-PROP
'There's two coolamons on the ground, with food in them.'
- (9) kapulipuna t̄yla kunjunkun
 blood-PROP that spear
'There's blood on the spear.'
- (10) kunu yina / ŋalintapuna
 here sit / we(DU)-ACC-PROP
'Sit down with us two.'

In some languages the proprietive suffix is used with a body part to denote sickness or other abnormality; the use of a term literally meaning '*stomach-having*' to mean '*pregnant*' is widespread, and see Tsunoda (1976:220) and Walsh (1976:289) for other examples. The term *tYungupuna* (*tYunku* '*navel*'), said to mean "*your belly is sick*", seems to be an example of this usage in Ngawun.

The privative suffix is *-kara*, which denotes absence of a quality or thing; the informant could not remember this formative until 1976 and there are only four examples:

- (11) *yanparkara*
beard-PRIV
'He's got no beard.'
- (12) *tYila patYanjur yimpakara*
that child mother-PRIV
'That child has no mother.'
- (13) *tYila yalmir panYakara*
that man woman-PRIV
'That man is not married.'
- (14) *ŋayu katikara*
I meat-PRIV
'I've got no meat.'

A suffix *-tunu*, attested only in Palmer's material on Mayi-Kulan and Mayi-Yapi (see 3.4.1) was said by Cherry O'Keefe to mean '*lost*' and to occur also in Ngawun. It is known only with kinship terms and could mean '*deceased*' although this does not fit one of the Mayi-Yapi examples.

The third person kin-proprietive suffix *-mir* is added to a kinship term to denote that the relationship is to a third person, who may be referred to in the same sentence or known from the context. (See also Breen 1976, especially p. 292, on this and the following suffix.)

- (15) *yimpamirinki tantalpuŋu palanta*
mother-3KIN-ERG watch-PRES they(DU)-ACC
patYanjur kanpiŋu
child play-PRES
'The mother's watching the two kids playing.'
(i.e. their mother.)
- (16) *ŋapuyumir kurikuriŋu kulu*
brother-3KIN come-come-PRES to here
'His brother's coming here.'

The non-singular kin-proprietive suffix -nytyir is added to a kinship term to denote that there are two or more people involved, one of whom is in the specified relationship to the other(s), the other(s) not being separately specified.

- (17) *wati napuyunytyirinqki katikali mantingu*
that brother-NSKIN-ERG meat - ? eat-PRES
'Those brothers are eating meat.' (i.e. two or more brothers.)
- (18) *natyirinnytyir punytyampingu*
sister-NSKIN kill-REC-PRES
'The sisters are fighting.'

The morpheme -nur occurs occasionally suffixed to nouns, optionally and with a function that is quite unknown (with the exception of tylajur, where it forms the plural; see below). It has even occurred in a citation form (wityunjur 'no good'; wityu was not accepted without -nur but probably did occur. In Mayi-Kulan mati and matinjur are both used to convey this meaning; Cherry O'Keefe also frequently used matinjur.) Examples include:

- (19) *pityur matinjur*
white man bad-?
'That [white] man's no good.'
- (20) *wati patyajur mantanjurku kurikuriju*
that child tucker-?-PURP come-come-PRES
'That kid's coming here for some tucker.'
- (21) *timulnur wati mantamantanu*
bone - ? that eat-eat-PAST
'[The dog] was eating the bone.'
- (22) *watiqki panytyiliqki puwanu*
that-ERG man-ERG hit-PAST
tikal /kurkunjuruku
bandicoot/spear-?-INST
'The man killed the bandicoot with a spear.'
- (23) *kakunyjuruku nana patalnu*
possum-?-ERG me bite-FUT
'The possum might bite me.'
- (24) *wanta yimpajur*
where mother-?
'Where's your mother?'

- (25) waŋanka puritYinkki puwanu tYalunjur
 he-ERG big-ERG hit-PAST small-?
'The big one hit the little fellow.'

The only other examples involve the combination -njur + -ku (see 3.2.3.3). I have the impression that Miss O'Keefe used -njur with kunjunkun (22) and kakunY (23) because she had difficulty remembering the correct form of the ergative/instrumental/locative to use (she did not accept kunjkuntu, the correct form, when it was suggested on one occasion, although she used it on a couple of other occasions, and she had trouble with stem-final /nY/ on several occasions).

Number markers have been heard only with demonstratives: a dual tYilampal (once tYilampala) and a plural tYilanjur of tYila 'that', and a dual kulampal of kula 'this'.

- (26) kulampal panYtYil wirkantu wapinu
 this-DU man here-PURP go-PRES

'There's two men coming.'

- (27) wanYu tYilanjur
 who that-PLU

'Who are they?'

A few noun/verb pairs may be related by means of a nominaliser -i; mayi 'language, speech' from maya 'to speak', katyi 'a lie' from katya 'to tell a lie' and, doubtfully attested from other dialects, kawi 'frightened' from kawa 'to fear' (Mayi-Kulan) and lirki 'tired', 'lazy' from lirka 'to be tired' (Mayi-Yapi).

Two formatives which seem to combine with only a single stem are -ru in wanjkaru 'another' (wanika 'one') and -ru, in wantiru 'where to?', 'where?' (wanti 'where?'). The latter might appear to be an inflectional suffix, but it occurs with an inflectional suffix following in wantirumuntu 'where from?'.

3.2.3 NOUN INFLECTION

3.2.3.1 *Absolute*

The uninflected stem of a noun (i.e. a member of the noun subclass as defined in 3.2.1) occurs in the citation form and as the subject of a verbless or intransitive sentence, predicate of an equational or descriptive sentence and object of a transitive verb.

- (28) watı tini mitan
 that tree tall
'That tree's a tall one.'

- (29) yakan kumiripuna
fire smoke-PROP
'The fire is smoky.'
- (30) tYilampal yampi punytyampalnu
that-DU dog kill-REC-FUT
'Those two dogs are going to fight.'
- (31) kula tYalaru yitYampinu
this baby laugh-PRES
'The baby's laughing.'
- (32) wati panYanka nantalpunu tYalaru
that woman-ERG hold-PRES baby
'The woman's holding the baby.'
- (33) kultYira tYila yakan
put out that fire
'Put out the fire.'

3.2.3.2 Ergative/Instrumental/Locative

These functions are all fulfilled by the same set of suffixes and the corpus does not include the data that would be necessary to justify their separation into two or three cases (although there is one example - see below - of a locative form in a verbless sentence).

There are a number of allomorphs, the conditioning being phonological in all cases but alternative forms being acceptable in certain cases. They may be summarised as follows, where V is the same as the next preceding vowel:

- ŋkV after stem-final vowel
- VŋkV after stem-final consonant
- t̪V after stem-final /nY/
- tYV after stem-final /nY/
- t̪V after stem-final /n/
- t̪V after stem-final /n/
- kV after stem-final /nY/

and a few odd cases including zero. The odd cases and -kV (which coincides with purposive allomorphs) may all be mistakes, except that watanka must be accepted as an alternative to watiniki (wati 'that'). It is probable that either -t̪V or -tYV is wrong; more likely the latter. It seems likely also that -VŋkV after final nasal is not correct; however it occurs in preference to the alternative form in about a quarter of

examples. Since there are three vowel phonemes, there are probably fifteen allophones (-t̪i and -t̪u do not occur in the corpus; -ta occurs only once, with kantun, which would be expected to take -tu).

Examples of all attested non-zero forms, including those which are suspect, are listed below:

- ŋkV: -ŋka with yimpa 'mother', panYa 'woman', njura 'camp', pirpara 'flood', karpa 'dark', kunkunpuna 'the one with the spear', wan̄ka 'one', pulakara 'two', karuka 'rat';
- ŋki with waṭi 'that', yampi 'dog', nani 'what', yalkapari 'boomerang', walki 'not' (?), t̪ini 'stick', kankari 'knife', kani 'shoulder';
- ŋku with kunu 'this', t̪unu 'that', wan̄karu 'another', t̪alu 'small', kamu 'water', kupulu 'bindeye', kumuru 'shade', puŋku 'back', namuru 'armpit', yimpa 'mother' (?), yalkapari 'boomerang' (?);
- VŋkV: -an̄ka with t̪yilampal 'those two', mitan 'tall', mal 'hand', kantar 'head', man 'neck', paŋkal 'arm', t̪ikal 'bandicoot', rarany 'rat' (a Mayi-Kulan word), njan̄an 'snake';
- in̄ki with yalmir 'man', panYt̪iil 'man', stems in kin-proprietive suffixes -mir and -nYt̪iir, t̪an̄kir 'brown snake';
- un̄ku with pat̪yanjur 'child', waralkul~warankul 'yesterday', pulpul 'old man', piłt̪yur 'white man', punkul 'knee', kantun 'father's sister' and stems with the suffix -njur;
- t̪V: -ta with nankany 'dingo', wamurany 'crow', rarany 'rat' (Mayi-Kulan);
- ti with kupiny 'wind', piŋkinY 'axe', njurt̪in 'wife' (?), kunyin 'nose' (?);
- t̪u with kakunY 'possum';
- t̪VV: -t̪ya with nankany 'dingo';
- t̪i with liwinY 'mosquito';
- t̪V: -ta with kiłt̪yan 'grass', yakan 'fire', paŋkaman 'prickly bush', kalman 'Flinders River';
- ti with kamin 'mother's mother', njurt̪in 'wife';
- tu with kunkun 'spear', pulun 'father's father', wukun 'frog';
- t̪V: -ta with kantun 'father's sister' (?);
- kV: -ka with manjanYmanjanY 'ear', nankany 'dingo', wamurany 'crow';

- ki with pinkinY 'axe', kupinY 'wind' (corrected to kupinY[†]i);
 - ku with liwinY 'mosquito', wamurany 'crow' (both doubtful due to acoustic difficulties);
 - others:
 - arju with yaraman 'horse';
 - (a)ŋku with watⁱ 'that' (waṭanju corrected to watinki);
 - (a)ŋka with watⁱ 'that' (waṭanka);
- and several examples with zero, not listed.

The functions of this morpheme are to mark the agent of a transitive verb, the instrument of an action, and location, in space or time. It will be glossed ERG, INST or LOC, according to its function.

- (34) kupuluŋku n̄ana pirirantu
 bindieye-ERG me prick-PAST
 'The bindieye pricked me.'
- (35) t̄yunu pat̄yanurunju puwanu kat̄i yalkapariŋki
 that child-ERG hit-PAST meat boomerang-INST
 'The boy killed the bird with a boomerang.'
- (36) watⁱ yalmir yiniyinigu kilt̄yanta
 that man sit-sit-PRES grass-LOC
 'That man's sitting on the grass.'
- (37) pala wapanu waralkulunju
 they(DU) go-PAST yesterday-LOC
 'Those two went away yesterday.'

There is one example of the negative particle walki inflected for ergative. A later check of this was inconclusive.

- (38) t̄yilampal walkinki puwanu
 that-DU not-ERG hit-PAST
 'Those two didn't hit him.'

3.2.3.3 Purposive

Purposive allomorphs in Ngawun as spoken by Cherry O'Keefe are -ntu, which occurs after a stem-final vowel, -kV (where V is the same as the next preceding vowel) which occurs after a stem-final consonant, and -nuntu, which occurs after either a

vowel or consonant but may be an intrusion from Mayi-Kulan.¹ In addition, some demonstrative pronouns have irregular forms; see 3.2.6. Most occurrences of -kv in the data occur with the suffix -njur preceding; the function of the -njur is not known (see 3.2.2) but on one occasion Miss O'Keefe would not allow its deletion. However, it seems to be optional; kamuntu and kamunjurku '*for water*' are both attested, as are mantantu, mantañuntu and mantañjurku '*for food*'. There are only two examples of -ka in the corpus (yanjkalka '*northwards*', qankanyka '*dingo-PURP*') and one of -ki (kunkirkiki '*honey-PURP*').

The purposive marks purpose of an action (39, 40, 41) and goal or indirect object of certain verbs (42). It also marks the object of a verb in a purposive clause (44). It combines with compass point names and wulu '*there*' (43) to denote direction of motion (wuluntu being often translatable '*away*'); note also wirkantu '*hither*' which is presumably the purposive form of a root wirka '*here*' which has not been heard in any other context (the ablative *wirkamuntu was not accepted).

- (39) nayu wuluntu wapinju kunjinkjuntu
I there-PURP go-PRES honey-PURP
'I'm going out for sugarbag.'
- (40) nayu nampinju yalkaparintu
I look-PRES boomerang-PURP
'I was (?) looking for the boomerang.'
- (41) qanintu yuntu katyinju
what-PURP you lie-PRES
'What are you telling lies for?'
- (42) kula panYa pupalampinju / mantañjurku
this woman hungry-!NCH-PRES / tucker-?-PURP
'This woman is hungry [for food].'
- (43) nayu wuluntu kulpilantu wapinju
I there-PURP south-PURP go-PRES
'I'm going south.'
- (44) panYa wapanu kupupir katintu tayantu
woman go-PAST house-ALLA meat-PURP cut-PURP
'The woman went to the house to cut the meat.'

1. Miss O'Keefe said on one occasion that -njuntu was not right in Ngawun and that it was used much more in Mayi-Kulan. In fact, it seems to be the only form used in Mayi-Kulan.

3.2.3.4 Allative

The allative case marker is -pir. It marks the goal of an action (e.g. free or induced motion, speech). It may also mark a goal in time and, at least in a verbless sentence, a beneficiary.

- (45) kunu ŋali yinalŋu / mantaarapir
here we(DU) sit-FUT / sun-ALLA
'We'll stay here till sunrise.'
- (46) ŋayu maralŋu t'yalaru !unupir
I put-FUT baby lap-ALLA
'I'll put the baby on my lap.'
- (47) kapi ŋali kurantu ŋurapir
come on we(DU) return-PURP camp-ALLA
'We'll go home now.'
- (48) t'ylampalanŋka walki kali t'ayunu tini yakanpir
that-DU-ERG not ? cut-PAST tree fire-ALLA
'Those two didn't chop any wood for the fire.'
- (49) wanupir t'ylala kati
who-ALLA that-TOP meat
'Who's that meat for?'

The recipient of something given can, it seems, be marked either by the allative (only one example) or by the form used for object of a transitive verb. Both methods are illustrated below; note the difference in word order. The similarity to corresponding English forms is suspicious. In all other Western Queensland languages both recipient and gift are marked as direct object.

- (50) wati panYanka wakalpuju wati minti panyt'ylipir
that woman-ERG give-PRES that stone man-ALLA
'The woman's going to give the man the money.'
- (51) t'yla pi!t'urunku wakanu t'yla wamura manta
that white man-ERG give-PAST that old woman food
'The white man gave the old woman some tucker.'

3.2.3.5 Genitive

The genitive suffix is -nu which occurs with and following the allative suffix -pir. It marks the owner of a person (in kinship) (attested only for personal pronouns but could be expected to apply to nouns too) or of an animal or object, and

also purpose (perhaps only in verbless sentences). There are no examples of further suffixation of a genitive form.

- (52) kupu yatupirnu bin yirpanu
humpy father-ALLA-GEN (Pidgin) burn-PAST
'My father's house got burnt.'
- (53) yuntu pakaranu minti / pi!tYurpirnu
you steal-PAST stone / white man-ALLA-GEN
'You stole some money belonging to a white man.'
- (54) kati njanjka / yampipirnu
meat ground-LOC / dog-ALLA-GEN
'That meat [on the ground] belongs to the dog.'
- (55) kulana ma!pirnu
this-TOP hand-ALLA-GEN
'This (ointment) is for your hand.'
- (56) tYila kunjunkun palpipirnu
that spear fish-ALLA-GEN
'That spear is for fish.'

The compound suffix -pirnu is sometimes pronounced as a separate word and on one occasion was separated from the stem to which it belonged by two words and a pause. This is tentatively assumed to be due to the informant's hesitancy in the use of the language; there are other examples of suffixes being separated from stems by pauses.

- (57) wanYu tYila yampi / pirnu
who that dog / ALLA-GEN
'Who does that dog belong to?'

3.2.3.6 Ablative

The ablative suffix is -muntu. The function of the ablative is to denote origin, e.g. of motion, and cause (e.g. cause of sickness, object of fear or jealousy, reason for performing or not performing an action).

- (58) kamu puripurinu ka!umuntu
water run-run-PRES hole-ABL
'The water's running out of the hole.'
- (59) kapi tYurma kamumuntu
come on there(ABL) water-ABL
'Come away from the water'; also 'Come out of the water.'

- (60) *wati waŋkarukuru yitimpingu / kaŋimuntu*
 that one-other-too (?) sick-INCH-PRES / meat-ABL
 '*That other fellow is sick too, because of the [bad] meat.*'
- (61) *kunYin tariŋu / panYamuntu*
 nose stand-PRES / woman-ABL
 '*[He] is jealous "from his wife".*'
- (62) *wati yalmir kuminingu / walkikali*
 that man lie-PRES / not - ?
 wapalŋu / katYamuntu
 go-FUT / cold-ABL
 '*That man's sleeping; he's not going out because of the cold.*'

3.2.4 PERSONAL PRONOUN INFLECTION

3.2.4.1 *Nominative*

The nominative form of a personal pronoun (see 3.2.6) may be used as subject of any sentence.

- (63) *wantiru yuntuŋu*
 where you-TOP
 '*Where are you?*'
- (64) *nayu wuluntu wapiŋu kamupir*
 I there-PURP go-PRES water-ALLA
 '*I'm going down to the waterhole.*'
- (65) *nayu tini tayalpuŋu / yakapir*
 I tree cut-PRES / fire-ALLA
 '*I'm going to chop some wood for the fire.*'

3.2.4.2 *Accusative*

The accusative form of non-singular personal pronouns is marked by the suffix *-nta*. Singular personal pronouns have suppletive forms. The accusative marks the pronoun object of a transitive verb.

In general the accusative form of a pronoun is the base form to which certain other inflectional suffixes are added. See the paradigm, 3.2.6, for details.

- (66) yaramanaŋku ɳana yawanu kamupir
horse-ERG me(ACC) throw-PAST water-ALLA
'The horse threw me into the water.'
- (67) wati patyajuruŋku ɳananta taptalpuŋu
that child-ERG we(PLU)-ACC watch-PRES
'That kid's watching us.'

3.2.4.3 Purposive

Purposive forms of only two personal pronouns were heard; attempts to elicit the others usually resulted instead in allatives. However, it is presumed that they existed, although it may be that in the case of the first person singular pronoun, whose allative form is not regular and whose purposive would perhaps be less likely to be forgotten, the use of the same form for both is correct.

Functions attested are to mark purpose (68) and beneficiary (69) of an action; the latter is not one of the functions attested for purposive of a noun. Allative also is used for both functions.

- (68) paraku watiwatinju yirantu
white man call-call-PRES you(ACC)-PURP
'The white man's calling out for you.'
- (69) nayu yumir puwa warma yirantu
I just hit song you(ACC)-PURP
'I'll sing a song for you.' (puwa is the imperative form; puwalnu was probably intended.)

3.2.4.4 Allative

Allative case on personal pronouns is marked by the suffix -pir (as for nouns), but it is added to the accusative form of the pronoun. An exception is the first person singular, which has the form natYintir.

The allative of personal pronouns marks goal (as with nouns) and also beneficiary of an action.

- (70) nayu yirapir mayantu
I you(ACC)-ALLA speak-PURP
'I want to talk to you.'
- (71) yara / kamu natYintir manytyira
you(PLU) / water me(ALLA) get
'You lot, get me some water!'

- (72) nayu nampinuŋu yirapir
 I look-PAST-? you(ACC)-ALLA
 'I've been looking for you.' (cf. (40)).
- (73) patyāŋurunku yawanu minti / natiyintir
 child-ERG throw-PAST stone / me(ALLA)
 'That kid threw a stone at me.'

3.2.4.5 Genitive

The genitive suffix is -nu, which almost always occurs with the allative -pir; the only exceptions are with the first person singular, optionally with the second person singular and once, later disowned, with the third person dual. Since the allative follows the accusative marker on non-singular pronouns (see 3.2.4.4) the genitive forms of these pronouns contain three inflectional suffixes, e.g. nälaintapirnu 'our (dual)'. (An exception is the second person dual, yipalapirnu.)

The only use attested for genitive pronouns is to mark ownership (cf. 3.2.3.5). There are no examples of further inflection.

- (74) nayu puwanu yirapirnu nappyu
 I hit-PAST you(ACC)-ALLA-GEN brother
 'I hit your brother.'
- (75) tylakali minti yiranu / nuraŋka
 that - ? stone you(ACC)-GEN / ground-LOC
 'There's your money! On the ground!'

3.2.4.6 Ablative

The ablative suffix is -muntu which, except for the first person singular and second person dual forms, is added to the accusative forms. The function is similar to that with nouns (see 3.2.3.6), but there are very few good examples.

- (76) wulu panja / natiyumuntu
 there run / me-ABL
 'Get away from me.'
- (77) tyla patyāŋur nälaintamuntu kawingu
 that child we(DU)-ACC-ABL fear-PRES
 'That kid's frightened of you and me.'

3.2.5 TOPICALISER

The morpheme which has tentatively been given the name topicaliser has the form $-nV$ where V is the same as the next preceding vowel. The function is not clear but it seems to be to draw attention to the word - nearly always a personal or demonstrative pronoun - to which it is suffixed. It is optional. It may be combined with inflected forms: there is a doubtful example of wuluntunu '*that-PURP-TOP*'.

About half of the recorded occurrences occur in "wh-question" sentences (none of them more than three words) in which it is suffixed to a pronoun, e.g.

- (78) wanti yuntunu
where you-TOP
'Where are you?'
- (79) nanintu yuntunu parinu
what-PURP you-TOP cry-PRES
'What are you crying for?'
- (80) nani tanana pamaranalpunu
what they(PLU)-TOP make-PRES
'What are they making?'
- (81) wanYu watini
who that-TOP
'Who's he?'
- (82) nani kulana
what this-TOP
'What's this?'

In several examples it is suffixed to a demonstrative pronoun stem in a prohibition sentence, e.g.

- (83) piya kulini maya
don't this-TOP say
'Don't say that.'
- (84) piya tyulunu tara
don't there(PURP)-TOP stand
'Don't stand there [near the fire].'

Other sentence types in which it occurs are denial:

- (85) walki nayunu puwanu
not I-TOP hit-PAST
'I didn't hit him [, someone else did].'

- (86) no / ŋayunu mayikulan
 (English) / I-TOP Mayi-Kulan

'No, I'm Mayi-Kulan' (in answer to 'Are you Ngaurun?')

imperative:

- (87) wulu yaraŋa wapa
 there you(PLU)-TOP go

'You go up there!' (Previous sentence: 'Let's go up there.')

and deictic sentences:

- (88) kulana yiraju yarku
 this-TOP you(ACC)-GEN yamstick
'This is your yamstick.'

There are very few clear occurrences of -ŋV affixed to a noun stem:

- (89) wan^yupirju t^yila kupunu
 who-ALLA-GEN that humpy-TOP
'Who does that house belong to?'

- (90) piya t^yilla ŋurana yawa / ŋana
 don't that ground-TOP throw / we(PLU)
 yiniyinigu ŋuranka
 sit-sit-PRES ground-LOC
'Don't throw dirt there, we sit there.'

There are two other sentences - both very similar and elicited one after the other - in which the form of the suffix seems to be -ŋVI although the last consonant is not clear.

- (91) ŋanintu yuntu katiŋil mantanu
 what-PURP you meat-TOP(?) eat-PAST
'What did you eat the meat for?'

katiŋi was heard on another occasion in an uncompleted sentence.

-ŋV also occurs once on ŋala 'by and by' (not a nominal?):

- (92) ŋayu kuminalŋu ŋalaga
 I lie-FUT by and by-TOP
'I'm going to lie down by and by.'

3.2.6 NOMINAL PARADIGMS

Nouns (excluding demonstrative pronouns) fall into five groups, each of which can be sub-divided into three according to which

of the three vowel phonemes occurs in the last syllable of the stem. The five groups are: words with vowel-final stems; words with stem-final /n/; words with stem-final /ŋ/; words with stem-final /nY/; words with stem-final /l/, /l/ or /r/.

A paradigm for one word from each of four of these groups is given below; forms with an asterisk have not in fact been heard, but are inferred from forms heard with similar words. No word with final /ŋ/ is included; these differ from final /n/ only in (presumably) taking -tV instead of -tV for ergative/instrumental/locative (E/I/L). No word with stem-final nasal has been attested with both of the listed E/I/L forms (of which perhaps only the shorter forms are correct). The topicaliser -ŋV is omitted because of lack of data; possibly it becomes -VŋV with stem-final consonants. Forms with -ŋjuru and the purposive form -ŋuntu have also not been included.

	<i>dog</i>	<i>spear</i>	<i>dingo</i>	<i>bandicoot</i>
stem	yampi	kunjkun	ŋankany	tYikal
E/I/L	yampinki	kunjkuntu	ŋankanyta	tYikalanka (*kunjkunuŋku(?)) (*ŋankanyŋka(?))
Purposive	*yampintu	kunjkunku	ŋankanyka	*tYikalka
Allative	*yampipir	*kunjkunpir	*ŋankanypir	*tYikalpir
Genitive	yampipirŋu	*kunjkunpirŋu	*ŋankanypirŋu	*tYikalpirŋu
Ablative	yampimuntu	*kunjkunmuntu	*ŋankanymuntu	*tYikalmuntu
Proprietive	*yampipuna	kunjkunpuna	*ŋankanypuna	*tYikalpuna

The demonstratives used by Miss O'Keefe seem to be a mixture of Ngawun and Mayi-Kulan forms. The two forms of the 'this' demonstrative are kula (Ngawun according to Miss O'Keefe but used also by Bob McKillop) and kunu (Mayi-Kulan according to Miss O'Keefe but used by her in Ngawun more frequently than kula).¹ The 'that, nearby' demonstrative forms are tYunu (used also by the Mayi-Kulan informants) and tYila. The 'that, far' form is wulu. wati 'that' (perhaps unmarked) may correspond to the Mayi-Kulan third person singular pronoun nulu 'he'; Miss O'Keefe claims to know no word for 'he'.

In some cases there is overlap between the functions of an uninflected form and a purposive; compare the following examples in which both wulu and wuluntu appear to have the same directional function, translatable 'away'.

1. However, note the clause kula yinigu kunu

this sit-PRES here 'He's staying here.'

- (93) ηayu wuluntu kulpilantu wapiŋu
 I there-PURP south-PURP go-PRES
 'I'm going south.'
- (94) ηayu wulu wapiŋu / palantapir
 I there go-PRES / they(DU)-ACC-ALLA
 'I'm going over to them two.'

All forms attested are tabulated below.

	<i>here, this</i>	<i>here</i>	<i>there (nearby), that</i>	<i>there (far), over there</i>	<i>that</i>
Stem	kula kuli kunu		†yila †yunu	wulu	wati
E/I/L	kununku		†yununuku		watinki waṭan̩ka
Purposive	kulu	wirkantu	†yulu	wuluntu	
	kulku				
Allative (?)	kular (?)		†yurmapir ¹		
Genitive				wulmapirŋu	wutantapirŋu(?)
Ablative			†yurma		
Dual	kulampal		†yilampal †yilampala		
Plural			†yilanur		

1. †yurmapir occurs only in the sentence

ηayu kawinu / †yurmapir / yalmirpuna /
 I fear-PRES / there(ABL)-ALLA / man-PROP /

 ηananta puwalŋu
 we(PLU)-ACC hit-FUT

which does not seem to make sense. The translation asked for was of '*Those men might kill us.*'

For kular see (149).

The interrogative pronoun forms attested are:

	<i>who?</i>	<i>what?</i>	<i>where?</i>	<i>what?, how?</i>
Stem	wan ^y u	nani	want _i , want _a wantiru ¹	wanta ²
E/I/L	wan ^y uŋku	ŋaninqki		wantara ³
Purposive		ŋanintu		
Allative	wan ^y upir		wantiru (?)	
Genitive	wan ^y upirŋu			
Ablative			wantirumuntu	
Proprietive	wan ^y upuna			

The personal pronoun paradigm is given below. It will be noted that in general the accusative form of the pronoun is used as a base to which allative and ablative suffixes may be added. The first person singular is an exception and is rather irregular. The second person dual is another exception, perhaps because the stem has three syllables. Forms marked with an asterisk have not been heard and could well be wrong.

	<i>1sg</i>	<i>2sg</i>	<i>1 dual</i>	<i>2 dual</i>
Nominative	ŋayu	yuntu	ŋali	yipala
Accusative	ŋana	yira	ŋalinta	*yipalanta
Purposive	ŋat ^y intir (?)	yirantu	*ŋalintu	yipalantu
Allative	ŋat ^y intir	yirapir	ŋalintapir	yipalantapir
Genitive	ŋat ^y inigu	yiranu	ŋalintapirŋu	yipalapirŋu
Ablative	ŋat ^y unmuntu	yiramuntu	ŋalintamuntu	yipalamuntu ⁴
Proprietive	ŋat ^y unpuna	yirapuna	ŋalintapuna	yipalapuna

1. These function as locatives.
2. wanta 'what!', in 'What did you say?'
3. wantara 'how!', possibly an instrumental, as in 'How did you break it?'
4. Also given once as [yelmamuntu].

	<i>3 dual</i>	<i>1 plu.</i>	<i>2 plu.</i>	<i>3 plu.</i>
Nominative	pala	ŋana	yara	ɻana
Accusative	palanta	ŋananta	yaranta	ɻananta
Purposive	*palantu	*ŋanantu	*yarantu	*ɻantanantu
Allative	palantapir	ŋanantapir	yarantapir	ɻanantapir
Genitive	palantapirŋu	ŋanantapirŋu	yarantapirŋu	ɻanantapirŋu
Ablative	palantamuntu	ŋanantamuntu	yarantamuntu	ɻanantamuntu
Proprietive	palantapuna	ŋanantapuna	yarantapuna	ɻanantapuna

A third person dual genitive palantaru has been heard but was later denied.

Note that no locative form of any personal pronoun has been heard. The proprietive is used (as in (10) and similar sentences, some with verbs of motion) to mark accompaniment, which in many languages is marked by locative. However, proprietive has the same function with nouns; there is therefore no reason to believe that there was no locative form of personal pronouns.

Note also that first person singular accusative and first person plural nominative are homophonous. This seems strange; ŋana occurs as 'we (plu.)' in some other Western Queensland languages, but ŋana for 'me' is very common. However, ŋana was heard for the latter consistently and clearly. Note also the accusative -nta for non-singular forms, compared with -na in many languages; here again we have alveolar consonants rather than the common interdental.

ŋali yuntu (once) and yuntu ŋali (once, in the next sentence elicited) have been heard and this is a device for specifying inclusive in non-singular first person pronouns. This is a special case of a construction (not otherwise attested in Ngawun) in which the third person(s) included in such a pronoun can be specified, e.g. ŋali yimpa would mean '*my mother and I*'. ŋalintu has also been heard as an alternative to ŋali, and could be a contraction of ŋali yuntu.

3.2.7 VERB STEMS

Most verb stems are monomorphemic and disyllabic, e.g. paŋka 'to run', pima 'to swim', yawa 'to throw', para 'to cry'. Of trisyllabic verbs, a number end in -ra, mostly -ira, which may be a stem formative; note especially kura 'to go', 'to return', kurira 'to carry' (and compare Bidjara gana 'to return', gani 'to get', 'to gather', and similar pairs). Other verb stems in -ra include manYtYa ~ manYtYira 'to get', talmira 'to bring', yitYira 'to put down', 'to leave (tr.)', pakara 'to steal', pirira 'to prick', tintara 'to cook' (note tinta 'to burn (transitive)'), kultYira 'to put out (fire)', kampura 'to cover'.

(cf. Bidjara gambama where -ma is a causative stem formative) and pampara '*to taste*'. Note that these are all transitive verbs. Note also mayimira '*to tell*' (maya '*to say*', mayi '*speech*').

A few trisyllabic and longer verbs end in -mpa which is clearly an inchoative formative: wanampa '*to become mad*' (wana '*mad*'), yitimpala '*to be sick*' (yitipuna '*sick*'), kakampa '*to be tired*', pupalampa '*to be hungry*', yitYampa '*to laugh*'. However, tYintampa '*to make*' is transitive.

The same suffix, -mpa, is the reciprocal formative:

- (95) pala yampi patampinju
they(DU) dog bite-REC-PRES

'The dogs bit [sic] one another.'

The only other reciprocal form in the corpus is punYtYampa '*to fight*', from punYtYa '*to belt*', '*to kill*'.

The reflexive formative is -ila and the only two examples that could be elicited are given. Note that in (97) the subject is ergative; this may be a mistake.

- (96) piya punYtYila
don't hit-REF
'Don't hit yourself.'

- (97) waŋanka piŋkinYki tayilanu
that-ERG axe-INST(?) cut-REF(?) -PAST
'That fellow chopped himself with an axe.'

In other cases the transitive form of the verb was used, as in

- (98) waŋi patYanjurukku maŋ tayantu kankapin̩ki
that child-ERG hand cut-PAST knife-INST
'The little kid cut his hand with a knife.'

The only other verbs of more than two syllables in the corpus are kumina '*to lie*', wartYima '*to wash*' (probably from Pidgin washim), yirmajuna (?) '*to frighten*' and katYapura (?) '*to be cold*' (derived from katYa '*cold*''). The last two words were not recognised when checked on a later visit.

Verb/noun pairs such as katYa '*to tell a lie*'/katYi '*a lie*', maya '*to speak*'/mayi '*speech*' have been mentioned earlier (3.2.2). Note also the pair manta '*to eat*'/manta '*tucker (vegetable food)*'.

3.2.8 VERB INFLECTION

Ngawun verbs can be divided into two conjugations according to the form of the present tense. These correspond imperfectly with a classification into intransitive and transitive. Intransitive

verbs have present tense -inju, transitive (with two known exceptions which have -inju) have -ipunu.

3.2.8.1 *Imperative*

The imperative form of the verb carries zero affix. This is used for commands and, with the particle piya 'don't', for prohibitions.

- (99) wirkantu tala t^yurma
here-PURP go there(ABL)
'Come away from there.'
- (100) yipala / kamu n^yintir man^yt^yira
you(DU) / water me(ALLA) get
'Get me some water, you two.'
- (101) kapi nana wulu wapantu / piya
come on we(PLU) there go-PURP / don't
yuntu yit^yira yarku
you leave yamstick
'Come on¹, we'll go there; don't leave your
yamstick behind.'

3.2.8.2 *Past tense*

The past tense suffix is -nu. It marks action in past time.

- (102) watⁱ pulpuluŋku puwanu katⁱ
that old man-ERG hit-PAST animal
'The old man killed a snake.'
- (103) walki nayuŋu puwanu
not I-TOP hit-PAST
'I didn't hit [him].'
- (104) pala wapanu purin^kir
they(DU) go-PAST this morning
'Those two went away this morning.'
- (105) nayu wuluntu kurⁿu / nayu puwanu kuru
I there-PURP come-PAST / I hit-PAST kangaroo
'I killed a kangaroo while I was going along.'

1. kapi 'Come on' is an interjection.

3.2.8.3 Present tense

The present tense suffix is -inju for all intransitive verbs and a handful of transitive verbs, e.g. manta 'to eat' and punytya 'to kill', with the /i/ of the suffix replacing stem-final /a/, and -lpunu for other transitive verbs. Data on nanta 'to hold' and kurira 'to carry' (see next sentence) are contradictory: nantalpunu, and a reduplicated form nantingantinju. Trisyllabic verbs in -ira seem to drop the ra before suffix-initial /i/ (i.e. -lpunu and -inju - see 3.2.8.5); thus kurilpunu from kurira 'to carry' (but also kuririnju), yitYilpunu from yitYira 'to put down' and manYtYilju from manYtYira 'to get'. Present tense marks action or state in the present or immediate future, future action where the time is specified (attested only for 'tomorrow'), and habitual or normal action or state.

- (106) nayu tananta patYanjur
I they(PLU)-ACC child
namalpunu / wululu kanpinju
see-PRES / there-REL play-PRES
'I'm watching the kids playing.'
- (107) wat̄i kawinju / katimuntu
that fear-PRES / animal-ABL
'He's frightened of the snake.'
- (108) nayu wuluntu wapiju / kungkirjuntu
I there-PURP go-PRES / honey-PURP
'I'm going out for sugarbag.'
- (109) nayu wuluntu kuriju / purijkir
I there-PURP go-PRES / tomorrow
'I'm going tomorrow.'
- (110) tYila yampi walki watanju [sic]
that dog not call out-PRES
'That dog never barks.'
- (111) piya wartyima maliru kamunku / nana
don't wash hand water-LOC / we(PLU)
patalkunu [sic] that water
bite-PRES (English)
'Don't wash your hands in that water; we drink
that water.'

(Note the apparent errors in the verbs in the last two examples - the usual present tense forms are wat̄inju and patalkunu; it is possible that these are in fact not errors but verb markers denoting habitual action.)

There are a couple of cases where this verb suffix appears to denote an imperfect tense, but these may be errors.

- (112) nayu nampingu yalkaparintu
I look-PRES boomerang-PURP
'I was looking (?) for the boomerang.'

3.2.8.4 Purposive mood

The suffix -ntu occurs mainly in subordinate clauses (the main clause on some occasions being the interjection kapi) and denotes the purpose of the action denoted by the main clause. There are a couple of examples where it occurs in a main clause; perhaps it is optative in these cases (and so a better translation of (113), for example, might be 'Let me have a sleep').

- (113) nayu kuminantu
I lie-PURP
'I want a sleep' / 'I'm going to have a sleep.'
- (114) kapi yinantu / nayu kakampingu
come on sit-PURP / I tired-INCH-PRES
'Let's sit down, I'm tired.'
- (115) kapi / kuririntu (kurirantu?) kamu / njurapir
come on / carry-PURP water / camp-ALLA
'Come on, we'll take the water home.'
- (116) pan^ya wapanu kupupir katintu tayantu
woman go-PAST house-ALLA meat-PURP cut-PURP
'The woman went to the house to cut up the meat.'
- (117) nayu kuminalju / njalana / and you told the little
kid /
I lie-FUT / by and by-TOP / (English) /
kapi kula kuminantu
come on here lie-PURP
'I'm going to have a sleep by and by. (And you told the little kid) come here and have a sleep.'
- (118) nayu yirapir mayantu
I you(ACC)-ALLA talk-PURP
'I want to talk to you.'
- (119) kapi nana wulu wapantu kamupir turkantu
come on we(PLU) there go-PURP water-ALLA enter-PURP
'Come on, we'll go down to the waterhole for a swim.'

3.2.8.5 Future tense

The suffix -lju seems to indicate that an action is likely or is intended. It may perhaps be more appropriately labelled 'potential mood' than 'future tense'.

- (120) wati yalmir waŋkakali kuminalju
that man that-ERG-? lie-FUT
'That man's going to lie down over there.'
- (121) kunu nali yinalju / mantaarapir
here we(DU) sit-FUT / sun-ALLA
'We'll stay here till sunrise.'
- (122) nayu yira puwalju
I you(ACC) hit-FUT
'I'll hit you.'
- (123) wati pulpuluŋku mantimantinu kati
that old man-ERG eat-eat-PRES meat
kuluru / yitimpalju
rotten / sick-INCH-FUT
'That old man's eating bad meat; he might get sick.'
- (124) tylampala yampi punytyampalju
they-DU dog kill-REC-FUT
'The dogs are going to fight.'
- (125) nayu maralju junupir
I get-FUT lap-ALLA
"I can pick him up [and put him] in my lap."

3.2.8.6 Continuative aspect

A continuing, protracted or habitual action is marked by reduplication of the first two syllables of the inflected form. Thus, if the verb stem is disyllabic and the following inflectional affix has initial /i/, which replaces the final vowel of the verb stem, this /i/ is part of the reduplicated unit. This is the case for one of the allomorphs of the present tense, which is the tense of practically all attested reduplicated forms. Thus, from wapa 'to go', wapiwapiju 'is going'; from pima 'to swim', pimipimiju 'is swimming'; from maya 'to talk', mayimayiju 'is talking' and from nampa 'to look (for)', nampinjampinju 'is looking (for).'

The only example of reduplication of a trisyllabic stem is kurikuririnju 'is carrying' from kurira 'to carry' (see 3.2.8.3).

Examples of the continuative include:

- (126) *wati panYtYil puwapuwalpuju yampi*
that man hit-hit-PRES dog
'That fellow's always belting his dog.'
- (127) *wati yalmir yiniyiniju kiltYanta*
that man sit-sit-PRES grass-LOC
'That fellow's sitting on the grass.'
- (128) *wanYu wati watiwatInu / qanantapir*
who that call-call-PRES / we(PLU)-ACC-ALLA
'Someone's calling out. Is it for us?'
- (129) *wati t̄imulnur mantamantanu*
that bone - ? eat-eat-PAST
'He was (?) chewing the bone.'
- (130) *patYanur wulu wapanu / kanpakanpantu*
child there go-PAST / play-play-PURP
'The kids went over there to play.'

3.2.9 OTHER BOUND MORPHEMES AND CLITICS

-kuru occurs once in the corpus and may mean 'too'.

- (131) *wati wankarukuru yitimpiju*
that one-other-too(?) sick-INCH-PRES
'That other fellow is sick too.'

The meaning of -kali (also heard as a free form) is not known although there are a number of examples. Cherry O'Keefe once translated it as "Go on!" but this is not appropriate for most examples. It can be deleted with no apparent effect on meaning.

- (132) *wañanka galinta mantakali wakanu*
that-ERG we(DU)-ACC food - ? give-PAST
'She gave us some tucker.'
- (133) *walkikali wapalnu / katYamuntu*
not - ? go-FUT / cold-ABL
'He's not going to go; it's too cold.'
- (134) *wati yalmir wañkakali kuminalnu*
that man that-LOC-? lie-FUT

repeated as waṭan̩ka kali / kuminalŋu
that-LOC ? / lie-FUT

and as waṭan̩ka wulukali kuminalŋu
that-LOC there-? lie-FUT
'He's going to lie down over there.'

- (135) tana patyānurunku mɪntikali ḫayalpuŋu
they(PLU) child-ERG stone - ? cut-PRES

verb corrected to yawalŋu, then sentence repeated as

patyānurunku mɪntikali yawalŋu ḡanantapir
child-ERG stone - ? throw-FUT we(PLU)-ACC-ALLA
'The kids are throwing stones.'

- (136) waṭi ḡapuyunytYirinki kaṭikali mantiŋu
that brother-NSKIN-ERG meat - ? eat-PRES
'Those brothers are eating meat.'

- (137) waṭi mitan yalmir / kuŋkunkali ḡantiŋantiŋu
that tall man / spear - ? hold-hold-PRES
'That tall man is holding a spear.'

(This sentence was repeated with the subject noun phrase carrying ergative inflection and -kali omitted.)

- (138) kali puwa tŷunu kaṭi ḡunān
? hit that animal snake
'Kill that snake.'

- (139) pulakara tini wulu kali taritariŋu
two tree there ? stand-stand-PRES
'There's two trees over there.'

- (140) tYilampalaŋka(?) walki kali ḫayauŋ
that-DU-ERG not ? cut-PAST
tini yakanpir
tree fire-ALLA
'They didn't chop the wood for the fire.'

- (141) yampiŋki tYila t̩imul(kali) mantiŋu
dog-ERG that bone (- ?) eat-PRES
'The dog is eating the bone.'

- (142) kali tinta +yila yikala
 (go on) burn that grass
 'Burn that grass right now!'
- (143) nyal kali kurinu
 just ? come-PRES
 'He's just (now) coming.'
- (144) kali mayimira +yila wulu wapantu
 ? tell that there go-PURP
 'Tell him to go away.'

-(u)nu occurs in the following sentences:

- (145) waralkuluŋku wamurunu yitimpanu
 yesterday-LOC old-woman-? sick-INCH-PAST
 'Yesterday the old woman was sick.' (wamura 'old woman')
- (146) yampinki tantaluŋu wati yalmir
 dog-ERG watch-PRES that man
 mantantaluŋu(?) mantinu
 food-?-REL-? eat-PRES
 'The dog's watching the man eating.'
- (147) nayu ŋampinuŋu yirapir (V3 in the verb is
 I look-?-? you(ACC)-ALLA doubtful)
 'I've been looking for you.'
- (148) nayu ŋankalaŋu panyanpanya mayimayinu
 I hear-?-? woman-woman talk-talk-PRES
 'I heard two women talking.'

-nta occurs in (146) and also in,

- (149) walki ŋalinta
 not we(DU)-?
 'It wasn't us.' (in reply to:
 piya yipala yawa minti kula(r)
 don't you(DU) throw stone here(ALLA)
 'Don't you throw stones over here.'

Compare also *ŋalinta* 'we(DU-ACC').)

- (150) wulu yaranta wapa
there you(PL)-? go

'You go up there.' (Compare *yaranta* 'you(PLU)-ACC.')

-lu may mark a subordinate clause, and will be discussed in 3.3.3.9.

3.3 Syntax

3.3.1 PHRASE

Sentences are made up basically of phrases: noun phrases, which denote the subject of the sentence, or are equated to or denote a quality of the subject, or denote the object affected by an action; verb phrases, which describe an action or state; peripheral phrases, which qualify noun or verb phrases and denote such concepts as instrument of an action, cause, location, time etc.; particles, which modify the meaning of a sentence (e.g. by negating it).

A noun phrase is made up of one or more of the constituents pronoun (personal or demonstrative or interrogative), numeral, noun (one or more), in that order (except that the position of the numeral is not definitely established). Where there are two nouns one qualifies the other; either may precede. There are no examples of a phrase with more than two nouns. There are no grounds for postulating a syntactic sub-class, adjectives, of nouns (although such a sub-class, based on word order, may perhaps be obscured by interference of English word order). Examples of noun phrases are: *ŋali* 'we two'; *wanYu* 'who?'; *manta* 'food'; *kula panYtYil* 'this man'; *pulakara yampinki* 'two dogs (ergative)'; *tananta patyanjur* 'those children (accusative)'; *waṭanka miṭananka yalmir* 'that tall man (ergative).'

Where a noun phrase of more than one word is inflected for ergative, the inflectional suffix may be attached to any one or more than one of the constituents. For example:

waṭinki yalmirinki, *waṭanka yalmirinki*, *waṭinki yalmir*,
waṭanka yalmir, *waṭi yalmirinki* 'that man (ergative)',
have all been recorded.

Note also

waṭi panYa tYalunku 'that small woman (ergative)' and
waṭanka yalmir miṭan 'that tall man (ergative)'.

Where there are two words in the phrase, one being a personal pronoun (or, perhaps, a numeral), the other must carry the

inflectional suffix (if any):

yara patyāŋurunku 'you children (ergative)'

pulakara yampiŋki 'two dogs (ergative)'

Verb phrases consist of verbs, e.g. yirapanu 'burned', yitampinju 'is laughing', tala 'go away.' The only possible two word verb phrase attested is the idiomatic kunYin tarinu 'is jealous', literally '*nose is standing*', i.e. consisting of a noun and an intransitive verb, but it is probably more correct to regard kunYin as part of the subject noun phrase.

Peripheral phrases are so called because they are optional constituents outside the sentence nucleus. They consist of inflected nominals or adverbs, e.g. njaran̩ka 'on the ground', tinimuntu 'from the tree', kulpilantu 'to the south', purinkir 'tomorrow', tYurma 'from there', njanintu 'what for?', nYal 'just'. There are no clear examples showing how peripheral phrases containing more than one noun would be inflected.

Modifiers are the prohibitive piya 'don't', the negative walki 'not' and the question marker wayi.

3.3.2 CLAUSE

A clause is a construction of phrases which can stand alone as a sentence or can combine with one or more other clauses (with some modification in certain cases) to form a compound or complex sentence. As most sentences in the Ngawun corpus consist of a single clause there will be no further discussion of clauses as distinct from sentences.

3.3.3 SENTENCE

Sentences may be classified in several ways: verbless versus intransitive versus transitive versus reflexive versus reciprocal; statement versus denial versus command versus question; simple versus compound versus complex; other possible categories are not relevant to this description. The first classification is described first, simple statement sentences being described in the process. Denial, command and question sentences are then described, followed by compound and complex sentences.

Word order seems to be fairly free (except perhaps within a phrase; see 3.3.1); however, the degree and frequency of variation are not clear because of the informant's lack of fluency. Basic order seems to be SVO (154) except that when O is a pronoun it precedes V (158). Both of these orders - SVO_N and SOpV - are frequent and there are few exceptions (one is (153)), which suggests that interference from English word order might not be a factor. SV, the basic order for intransitive sentences, is illustrated in (167-9).

Interrogatives and the prohibitive particle regularly take first place (156, 159), and the negative particle usually does (175-6). Peripheral phrases frequently occur within the sentence nucleus (151-2, 157), but also often follow it (153-5) and occasionally precede it (145). In particular, directional demonstratives like wulu and wuluntu often come between subject and verb (155, 160). Particles often occur within the sentence nucleus (203-10).

- (151) nayu kupunku yiniju
I humpy-LOC sit-PRES
'I'm in the house.'
- (152) +yila n^Yimul malanjka yiniyiniju
that fly hand-LOC sit-sit-PRES
'There's a fly on my hand.'
- (153) nayu kati yawanu yakanpir
I meat throw-PAST fire-ALLA
'I threw the meat in the fire.'
- (154) +Yunu pat^Yanjuruŋku puwanu kati yalkaparinki
that child-ERG hit-PAST animal boomerang-INST
'That kid killed a bird with a boomerang.'
- (155) nayu wuluntu wapiju katiŋurku
I there-PURP go-PRES meat-?-PURP
'I'm going out for meat.'
- (156) wantiru yuntu wapiju
where-ALLA you go-PRES
'Where are you going?'
- (157) yuntu n^Yat^Yunpuna wapiju
you me-PROP go-PRES
'Are you coming with me?'
- (158) +Yunu nankany^Yta nana patalnu
that dingo-ERG me bite-FUT
'The dingo might bite me.'
- (159) piya +Yuluŋu tara
don't there-TOP stand
'Don't stand there.'

3.3.3.1 Verbless sentences

Verbless sentences consist of two noun phrases or a noun phrase and a peripheral phrase. It was difficult to elicit sentences of the latter type, other than those involving a genitive phrase (as in (166)) or a proprietive phrase (as in (165)). Attempts to do so usually resulted in intransitive sentences, such as:

- (160) pulakara tini wulu taritarinu
two tree there stand-stand-PRES
'There's two trees over there.'

However, one example with allative and one with ablative were eventually obtained.

Examples of verbless sentences include:

- (161) wati tini mitan
that tree tall
'That tree's a tall one.'
- (162) panYa tYalu kawatura
woman small greedy
'The little woman is greedy.'
- (163) tanA nuwatu muntu
they(PLU) Taldora-ABL
'They're Taldora people.'
- (164) kula kati wamuranYpir
this meat crow-ALLA
'This meat is for the crows.'

(In a sentence like (164) the genitive -pirnu seems to be more common than the allative.)

- (165) qunyan wati / yaramanpuna
snake that / horse-PROP
'There's a snake near the horse.'
- (166) kati quraŋka yampipirnu
meat ground-LOC dog-ALLA-GEN
'That meat [on the ground] belongs to the dog.'

3.3.3.2 Intransitive sentences

Intransitive sentences consist of noun phrase, intransitive verb and optional peripheral phrases:

- (167) yimpa ŋatYinigu mutYanu
mother me-GEN die-PAST

'My mother died.'

- (168) yumir ŋayu kuminantu
just I lie-PURP
'I'm just going to have a sleep.'

- (169) waṭi kawinu katimuntu
that fear-PRES animal-ABL
'He's frightened of the snake.'

3.3.3.3 Transitive sentences

Transitive sentences consist of subject noun phrase, object noun phrase, transitive verb and optional peripheral phrases:

- (170) kupulunku ŋana piriranu
bindieye-ERG me prick-PAST
'The bindieye pricked me.'

- (171) waṭanka puwanu ŋapuyu ŋatYinigu
that-ERG hit-PAST brother me-GEN
'That fellow hit my brother.'

- (172) ŋayu manta yirapir kuririnu
I food you(ACC)-ALLA carry-PRES
'I'm bringing some tucker for you.'

As in many Australian languages, the verb '*to give*' is ditransitive, governing two direct objects.

- (173) watanka yalmir nalinta manta
that-ERG man we(DU)-ACC food

wakalpunu
give-PRES

'*That man's giving us some tucker.*'

3.3.3.4 *Reflexive and reciprocal sentences*

Very little data on these sentences could be obtained; the only reflexive sentences are illustrated above ((96, 97) in 3.2.7) as is the type of sentence usually obtained instead of reflexives (98).

Apart from (95) in 3.2.7, the only reciprocal sentences involve the verb punytyampa '*to fight*'.

- (174) pala yampi punytyampinu
they(DU) dog kill-REC-PRES

'*The two dogs are fighting.*'

On one occasion the informant used ergative inflection on the subject of this verb, and maintained it when it was questioned. However, on several other occasions the subject was unmarked.

3.3.3.5 *Negation*

Negation of a statement is by means of the negative particle walki '*not*'.

- (175) walki nayu namalpunu
not I see-PRES

'*I can't see it.*'

- (176) walki wati wapinu
not that go-PRES

'*He's not going.*'

Negation of a command will be described in 3.3.3.6.

3.3.3.6 *Commands*

Imperative sentences (including prohibitions) are characterised by optional deletion of the subject noun phrase, which is normally retained if the subject is non-singular but deleted if it is singular.

- (177) tYurma yikalamuntu wapa
there grass-ABL go
'Get off the grass.'
- (178) kapi nana waka tYila minti
come on me give that stone
'Come on, give me that money.'
(Probably the word for 'stone' is used for coins, not money in general.)
- (179) yina yipala kunu
sit you(DU) here
'You two sit down here.'
- (180) yuntu kura purinkir
you come tomorrow
'You come tomorrow.'

The subject is normally second person, but note:

- (181) wulu nali wapa / kamuntu njampingu
there we(DU) go / water-PURP look-PRES
'We'll keep on walking, looking for water.'

The particle piya is used to negate an imperative sentence.

- (182) piya kanpa kankaripuna
don't play knife-PROP
'Don't play with the knife.'

3.3.3.7 *Questions*

"Wh-questions" are characterised by the presence, usually initially, of an interrogative pronoun. This may also function as an indefinite pronoun (186); the functions of interrogative and indefinite are not separated in most Australian languages.

- (183) njanjki yuntu tayanu
 what-INST you cut-PAST
 'What did you cut it with?'
- (184) njanintu yuntu kat^yinju
 what-PURP you lie-PRES
 'What are you telling lies for?'
- (185) wan^yupirnu +^yila yalkapari
 who-ALLA-GEN that boomerang
 'Whose boomerang is that?'
- (186) wan^yu wati wat*wati*nju / njanantapir
 who that call-call-PRES / we(PLU)-ACC-ALLA
 'Someone's singing out. Is it for us?'
- (187) wanti yatu yiraju
 where father you(ACC)-GEN
 'Where's your father?'

Choice questions, which require as answer a choice between alternatives, usually 'yes' and 'no', may be distinguished only by intonation or may use the question particle wayi. Miss O'Keefe thought on one occasion that wayi was the English word '*why*' but this is probably not so; cognate forms with the same or related function occur in other languages, e.g. wayi in Warluwara, wi^y in Wagaya, wayi ('*how*', as in '*how big?*') in Yandruwandha, wiya- (base of interrogative verbs) in Dyirbal (Dixon, 1972:55), perhaps keya- in Kukatj. Examples include:

- (188) nayu wuluntu kuri^ynu / yuntu
 I there-PURP go-PRES / you
 nat^yunpuna wapi^ynu
 me-PROP go-PRES
 'I'm going away; are you coming with me?'
 (Rising intonation on the last word, where a fall would be expected in a statement.)
- (189) yuntu nat^yintir mayantu
 you me-ALLA talk-PURP
 'Do you want to talk to me?'
 (Intonation pattern obscured by hesitations.)
- (190) wayi yipala damanu dungan
 QUES you(DU) see-PAST snake
 'Did you see the snake?'

- (191) wayi yuntu ḡanjkalpuṇu / wululu mayimayinu
 QUES you hear-PRES / there-REL talk-talk-PRES
'Do you hear someone talking?'

3.3.3.8 Compound sentences

Compound sentences consist of more than one clause, with no subordination of one clause to another. They consist simply of juxtaposed clauses with no marker of co-ordination, except that a noun phrase may be deleted from the second if it appears in the first.

Data are not adequate for formulating any rule of noun phrase deletion, but some remarks can be made. Using the abbreviation S for subject of an intransitive verb, A for subject of a transitive verb and O for object, and subscripts 1 for first clause and 2 for second clause in a sentence, we have examples of the following:

- deletion of S_2 when $O_1 = S_2$ (15),
- deletion of O_1 when $O_1 = S_2$ (210),
- deletion of S_2 when $S_1 = S_2$ (62, 181),
- deletion of S_2 when $A_1 = S_2$ (123, 193?),
- deletion of O_1 or S_2 - it is not possible to say which -
 when $O_1 = S_2$ (148),
- no deletion when $S_1 = A_2$ (105).

The absence of deletion in the last case could be due to the speaker's hesitancy, but there is another similar example in the corpus (in which S_1 is *wati* 'that' and S_2 the ergative form of the same root, *waṭan̩ka*).

- (192) ḡayu wuluntu wapiṇu / kula yinuju kunu
 ! there-PURP go-PRES / this sit-PRES here
'I'm going there; he's staying here.'
- (193) *wati* panYtYil mantinju kati wuluntu wapiṇu
 that man eat-PRES meat there-PURP go-PRES
'He's eating while he's walking along.'

(Note that there are a number of instances of omission of the ergative inflection from the subject of the verb 'to eat', and also several cases where it does appear. This may be due to a partly remembered construction of a form perhaps like that of Kalkutungu where a few verbs, including 'to eat', have an unmarked agent and a dative object; Yalarnga, where this is

optional (the verb then carrying the first order suffix -li); Pitta-Pitta, where a suffix, again -li, intransitivises some verbs, including 'to eat' (the object being omitted), or Yandruwandha, where the reflexive-reciprocal marker -indri may be used with some verbs, again including 'to eat', the agent and object both then being unmarked.)

3.3.3.9 Complex sentences

Complex sentences consist of a main clause and one or more subordinate clauses. Two types of subordinate clause have been noted in Ngawun; purposive clauses with the verb carrying the inflection -ntu (which, however, can also appear on a verb in a main clause) and, less definitely established, simultaneous action clauses and relative clauses in which one word, probably always the first, carries the marker -lu. In general, attempts to elicit complex sentences other than purposive were not successful.

Most purposive subordinate clauses in the corpus are subordinated to a main clause which comprises just the interjection kapi, e.g. (114, 115, 117) as well as (194), but a few have a main clause with a verb (116, 195). (119) has both kinds.

- (194) kapi nali kurantu njurapir
come on we(DU) return-PURP camp-ALLA

'Let's go back to camp.'

- (195) patyanjur wulu wapanu kanpakanpantu
child there go-PAST play-play-PURP

'The kids went over there to play.'

All examples of sentences with -lu are listed below, except one (for which see (191)):

- (196) nayu tananta patyanjur
I they(PLU)-ACC child
 ŋamalpuŋu / wululu kanpiŋu
see-PRES / there-REL play-PRES

'I'm watching the kids playing.'

(The informant translated the second clause as "where they're playing.")

- (197) yampin̩ki tantalpuŋu wat̩i yalmir
dog-ERG watch-PRES that man
mantantaluŋu(?) mantinju
food-?-REL-? eat-PRES

'The dog's watching the man eating.'

- (198) waŋŋka waralkulunjku wapanu / pakaranu
 that-ERG yesterday-LOC-REL go-PAST / steal-PAST
 minti yirangu
 stone you(ACC)-GEN

'The man who came here yesterday took your money.'

(The relative clause is embedded in the main clause here.)

- (199) waŋŋi wululu kuranu waralkulunjku
 that there-REL go-PAST yesterday-LOC
'That fellow left yesterday.'

(This sentence was elicited immediately after (198) and may have been thought of by the informant as dependent on it.)

- (200) waŋŋi nŋal kuriŋu nŋurapir / wululu
 that just return-PRES camp-ALLA / there-REL
 wapanu waralkulunjku
 go-PAST yesterday-LOC
'That man who went away yesterday is just coming back to the camp now.'
- (201) waka tŋila wululu pupalampinu
 give that that-REL hungry-INCH-PRES
'Give it to that hungry fellow.'

3.3.4 INTERJECTIONS

The words nŋawiku '*yes*' and walki '*no*' can stand alone, often as the answer to a question, in substitution for a sentence.

The expression kapi '*come on!*', which has cognates in many Australian languages, is used frequently in Ngawun. Syntactically it functions as a verb in that it governs a purposive verb form, as in (114), (115), (117), (119). It behaves like an imperative verb also in such sentences as (202). However, it does not have the final /a/ of all Ngawun imperatives and it is best treated as an interjection.

- (202) kapi tŋurma yakanmuntu
 come on there(ABL) fire-ABL
'Come away from the fire!'

3.3.5 OTHER PARTICLES

The particles yumir, nŋal and yunkal (~ wunkal) are all translated '*just*' by the informant. Examples suggest that the first may mean '*just about (to)*', '*on the point of*', the second '*just now*' and the third '*just*' in the sense of '*without any*

reason'. However, compare (205) with (207). (Kok-Nar *n'yle* has a similar meaning to that suggested for *n'yal*.)

- (203) nayu yumir *pumalju* kunu kati
I just smell-FUT this meat
'I'm just going to smell the meat.'
- (204) yumir nayu *kuminantu*
just I lie-PURP
'I'm just going for a sleep.'
- (205) yumir *tinta* *t'ila* *ki!t'yan*
just burn that grass
'Burn that grass [immediately (?)].'
- (206) *wati* *n'yal* *kuriñu* *ñurapir*
that just return-PRES camp-ALLA
'He's just coming back to the camp.'
- (207) kali *tinta* *n'yal*
? burn just
'Burn it now.'
- (208) *nanintu* *yuntunu* *parinju* / *yunjal*
what-PURP you-TOP cry-PRES / just
nayu *kawinju* *t'urma* *yalmirmuntu*
I fear-PRES that-ABL man-ABL
*'What are you crying for?' 'I'm just frightened
of that man.'*
- (209) nayu *wunkal* *wapiñu*
I just go-PRES
'I'm just walking about.'
- (In a later check it was found that the form *yunjal* was accepted in preference to *wunkal*.)
- (210) nayu *yunkal* *taatalpuñu* / *yampi* *punY+t'ampingu*
I just watch-PRES / dog kill-REC-PRES
'I'm just watching those dogs fighting.'

nala was said to mean "*by and by*". There are only two examples:

- (211) nayu *kuminalju* *nalaña*
I lie-FUT by and by-TOP
'I'm going to lie down by and by.'

- (212) yampinki wati pakaranu
dog-ERG that steal-PAST
kati / nala yit'yira
meat / by and by put down

'The dog has got your meat.' 'Let him have it(?)'

3.4 Grammatical notes on other eastern dialects

Grammatical information supports the inference from lexical data that Ngawun, Mayi-Kulan, Mayi-Yapi, Mayi-Thakurti and Wunumara form a chain of mutually intelligible dialects, although the data on the last two in particular are very scanty.

Sources of grammatical data on Mayi-Kulan are Palmer's vocabularies and the present day informants Alec Smith, Bob McKitlop and Cherry O'Keefe. Useful grammatical information can be extracted from Palmer's notes and wordlist and this is confirmed by modern material. Of the modern informants Alec Smith is possibly the most reliable (in grammar, if not vocabulary) although certainly not fluent; unfortunately he was not recorded on tape and all that is available is a few pages of notes, mostly just vocabulary. Bob McKitlop is less reliable, and useful only for confirmatory data; he calls his language Ngawun and it does contain some Ngawun vocabulary, some items being used interchangeably with the corresponding Mayi-Kulan words, but in grammar it is Mayi-Kulan. Cherry O'Keefe recognised some differences between Mayi-Kulan and Ngawun (one or two of them dubious and inconsistent) but used almost exclusively Ngawun grammar in her "Mayi-Kulan".

The only sources for Mayi-Yapi are Palmer, Curr and Bates. The last gives a few sentences but some are simplified, with inflections absent. Palmer gives some verb paradigms which suggest that verbs are inflected for person of subject and past tense is marked by a particle preceding the subject pronoun, but these are clearly incorrect. In fact the "first person" forms are present tense, the "second person" forms imperative and the "third person" past tense.

Mayi-Thakurti sources are MacGillivray, Roth, Dutton and modern informants Charlie Calwell and (doubtfully) Lardie Moonlight. The last named is virtually the only source for Wunumara although a little information on noun stem formation can be gleaned from Roth's vocabulary. Data can be extracted from Mrs. Moonlight's sentences only by guesswork, as there is little relationship between them and the translations she gives. Charlie Calwell gives one two word sentence in Mayi-Thakurti and Roth gives a song (without translation).

The abbreviations MK, MY, MT and W are used to identify examples in this section.

3.4.1 NOUNS

Noun stems are mainly monomorphemic and disyllabic. Reduplicated stems include kunukuñu (MK, MT) 'moon', mayimayi (MK, MY) 'hot', muñumumuñu (MY) 'old woman', maRamaRa¹ (MY) 'sky', nalinali (MT) 'rock wallaby' (the last three also in Mayi-Kutuna), kunYakunYá (MT, W, also Ngawun) 'dilly bag'. Note also pulakara pulakara 'four' (from pulakara 'two') (MK, W). A probable recent coinage is kamukamu (MK) 'grog' (from kamu 'water'). Possible variations on simple reduplication are seen in the plant name tYaRi!tYaRi (MK and/or MY) (but this may not be correct; there is another plant name that seems to be tYaRitYaRi) and in walkatYakatYakuRu (MT) 'small' or 'small intestine' (compare walkatYakuRu (MY)).

Compounds are common but it is rare that either component (let alone both) can be identified. paŋku (W) 'many' seems to combine with the word for 'faeces' to give a form meaning 'large intestine' - wanpanku (MY, 'faeces' is wana), nuntupanju (MT, W) (also kunapanju in Mayi-Kutuna and compare the Warluwara word kunapata 'stomach' from kuna 'faeces' and pata 'big'). It also combines with mala 'hand' and tina 'foot' (W) to form malapanju 'thumb' and tinapanju 'big toe'. In MT 'thumb' is mampila matu, literally 'hand big', and may be a phrase rather than a compound word ('finger' is mampila walkatYakatYakuRu 'hand small'). However, matu 'big' does seem to form part of a compound in mukumatu 'wild rice'. A form tYaRinY seems to enter into yartYaRinY (MY, MT) 'teeth' and perhaps miltYaRinY (MT) 'eyebrow' (mil 'eye' in W but in MT it has been replaced by the word for 'star', yuku), but note that 'eyebrow' in W seems to be kumutYiRiRi (kumu 'forehead'). Other words for 'teeth' based on yar 'mouth' are yarñanti or yarñantu (MY, MT, also Mayi-Kutuna) and yartita (MK, W). Another recurring form is kuRa, in tapikuRa (MY) 'anus' (tapi 'tail'), namakuRa (MT, W) 'breast' and kapukuRa (MT, W) 'testicles'. In the last kuRa corresponds to tiri in Ngawun and MK. Another interesting compound is pukutampu (MT) 'buttocks', in view of the fact that tampu means 'breast' and 'milk' in MY, MT and also Mayi-Kutuna and Guwa and that Cherry O'Keefe gave tamputampu as the Ngawun word for 'breast' in 1970, but in 1976 said it meant 'hips'.

The formative -para occurs in kupinYpara (MK) 'windy' and probably in pikupaRa (MY) 'rock wallaby', pikapaRa (MT) 'filled possum-skin pillow for rhythm-making' (these two may well be the same word) and njanipara(?) (MT) 'when?' (nani 'what?'). The formatives -pari and -pari probably occur in all dialects (the latter is not attested for W): tyunkupari (all) 'emu',

1. R may be either /r/ or /ɾ/.

katYapari (MK, MT) 'hawk sp.', mam/npurupari (MK, MT, W) 'black goanna', yalkapari (MK, MY, MT) 'boomerang', tunupari (MK, MY) 'crow'.

A formative -ra, meaning 'other' occurs in wanjkara (MK) 'another' (wanja 'one'), and it may be this that occurs in kafakaRa (MT), given as 'children' (from kafaka 'child').

A proprietive -puna is attested for MK, MY and MT. In MK -pun has also been heard, as has -pununY on one occasion (see 2.5). Forms -pun and -punu (or -pununY?) occur in MY. Examples include yilapuna 'aggressive', tantapuna 'greedy', katipuna 'having meat', tipuna 'having a stick', yatipuna 'with his father' (all MK), katYipunu 'a liar', 'nonsense', kafalpun 'tiger snake', talkupun 'pelican' (all MY), mananipuna 'doctor' (manani 'death-bone'), rukuRupuna 'type of boomerang' (rukuRu 'claw mark', 'scratch') (both MT).

The privative is -kunYtYa in MK, as in milikunYtYa 'blind' (mili 'eye'), pinarkunYtYa 'deaf' (pinar 'ear') and

- (213) walki nayi kamukunYtYa
not I water-PRIV
'I've got no water.'

(Note that walki is Ngawun; the MK word is nampi.) MY has a privative suffix -kala as in yanparkala 'beardless', panYakala 'unmarried man' (panYa 'woman'). This, with another syllable following, seems to be attested also for MT in Marshall's "pennekalunu" 'deaf' and "nowarkulunga" 'weak' (cf. "nowargoodul" 'strong').

A formative -tunu, translated by Cherry O'Keefe as 'lost', occurs in three items given by Palmer: yakuratunu 'motherless' (yakura 'mother') (MK), mutyuutunu 'fatherless' (mutYu 'father') and natiyatunu 'unmarried girl' (natiya 'spouse') (both MY). This may be a privative allomorph used with kinship terms, or could perhaps mean 'deceased' (compare the Garawa suffix with this function (Furby, 1972:20); there is one also in Wanyi). Palmer also gives wantalpu 'motherless', kumilpu 'widow' and waRikumilpu 'widower' (all MY) but these seem to have the form of verbs.

The suffix -njur occurs in mati 'bad' in MK and MY; its function is not known. Note also MK matijayanjan 'bad + ?' and tYalunjayila and tYalumala, both given as 'small' but the word for 'small' is tYalu. The word for 'rock wallaby' is given in the Smith notes (MK) as minti njunya (minti 'stone', 'rock') but this may in fact have been a locative mintinjunYtYa 'in the rocks'.

The spellings Burangani and Burrangoo given for what is presumably the one name by Bates suggests a possible suffix, -ni or something similar, occurring on proper names.

See the second-last paragraph of 3.2.1 for a note on a possible nominaliser.

No reliable ergative or instrumental forms could be obtained for MK. O'Keefe used the Ngawun forms. McKillop used -puna instead of an instrumental suffix but his sentences were ungrammatical, sometimes to the degree that they were meaningless. A form -ŋ(k)u (possibly -ŋkV as in Ngawun) is attested for MY, in malirun(k)u '[to drink] with the hand'. In MT Marshall's word for 'how?', ɻanŋku (from ɻani 'what?'), could involve an instrumental -ŋku.

Locative on a vowel-final stem in MK is -ŋunYtYal, occasionally -ŋunYtYa:

- (214) ɻunan mintinŋunYtYal
snake stone-LOC
'There's a snake on the rock.'

A possible form -ŋka occurs in the MY words warunŋka(?) 'night' and the spirit name which may be ɻuyunŋka kula. The same form may also occur in the MT words which may be kawinŋka 'afraid' (= 'fear-LOC') and kapitYinŋka 'night' (or 'at night'? kapitYi 'dark'). A likely locative form in W is -nYtYal, heard as a suffix to makiya 'camp'.

Locative with final /nY/ seems to be -tYa in MK, MY, MT; the spirit name limpinYtYa kulunY (kulun in MT) literally 'that one in the bark' is given for the first two by Palmer and the third by Roth. After final /l/ in MT it may be -a, as in another spirit name which may be ɻinkula kulan.

Purposive is -ŋuntu (MK):

- (215) tYunupari kat̪i mutarunjuntu
that - ? animal grub-PLRP
'That [magpie] is after grubs.'

(This is almost the only unelicited sentence in the MK corpus.) Lardie Moonlight gives -ntu, for W and perhaps also MT. Forms she gives include palŋantu (alternating with palŋŋaku; palŋa 'food'), yanŋantu (yanu 'fire'), wakaruntu (wakaru 'meat'), palpintu (palpi 'fish'), kututuntu (kututu 'child'). The same suffix seems to function as an allative, in payimarantu 'to Cloncurry'.

Allative in MK is -pir, given by O'Keefe as well as McKillop - the latter only with the English word 'town' and as a pronoun suffix (see 3.4.2).

- (216) kula nayi paŋkaiŋu townpir
 this I run-FUT(?) town-ALLA
'I went to town.'

Genitive nouns have not been heard except from Cherry O'Keefe (MK), who uses -pirnu as in Ngawun. However, this is probably correct; McKillop uses -pirnu to form a genitive pronoun. A genitive -nu in MT is suggested by Calwell's pikumalaŋu '*fingernail*' - '*nail-hand-GEN*'. -pirnu conceivably occurs in the spirit name spelt mokipiango by Roth (1903).

Ablative in MK is -muntu, as in Ngawun, except that O'Keefe used -muntunY on one occasion (see 2.5).

- (217) kapi paŋka nŋudamuntu
 come on run snake-ABL
'Come away from the snake.'

3.4.2 PRONOUNS

Personal pronouns in MK and MY appear to be virtually the same as in Ngawun. Palmer gives, for both dialects, singular nominative forms nayi, yantu, nulu and plural nominative forms nyanayira, yara, tana. These are all confirmed for MK by McKillop or Smith. nana is also given as the first person plural form, and nyanayira may perhaps be in fact nana yara 'we(PLU) you(PLU)' and so a device for specifying first person inclusive (compare the dual form nali yantu in Ngawun, 3.2.6). O'Keefe gave yuntunY 'you (SING)' but usually used yantu (see 2.5). McKillop also gives yipala 'you (DU)' (the same form is given, presumably by mistake, by Smith as 'your (SING)'). For MY Palmer also gives a first person singular form nayiku, Curr's anonymous correspondent gives nayu and Bates gives naya. Bates also gives first person dual nali and plural nala.

Inflected pronouns attested for MK are natyiningu 'my' (McKillop sometimes seems to say natyirinju but it is not clear), allative forms natyirintir 'to me' and yirapir 'to you (SING)', and a doubtful second person singular accusative yuna.

Pronouns given for MT include first and second person nominative forms, the former nayiku (MacGillivray, Marshall and Calwell) and the latter yantu (MacGillivray and Marshall; [yundəra] is recorded from Calwell). The corpus includes one brief sentence from Calwell: yirapirnu t̄yunu, which probably means 'that's yours' (as it would in Ngawun).

Pronouns, or words that look like pronouns, given by Moonlight include nayikura 'I', yantu 'you (SING)'(?), nali 'we (DU)', natyirinjintu 'my (plus an inflection?)', nyananintapir perhaps first person plural allative. Marshall gives natyirinju 'mine', naliuntu 'we' and nanaRa(?) given as

'our' but perhaps 'we (PLU)'.

All three present day MK informants used kunu and kula which may both mean '*this, here*'; O'Keefe said that kunu is MK and kula Ngawun. McKillop often switched from one to the other (either way). An alternative form to kula, kulunY, seems to occur in the spirit name limpinYtYa kulunY and also in the alternative form of the language name, mayikulunY. (Compare the alternative forms with final -unY of other grammatical morphemes given by O'Keefe (2.5).) kunu, kula and kulunY also occur in MY, as does "coona, ma", perhaps kunama. The MT form corresponding to kula/kulunY, as attested in two spirit names and, metathesized, in Marshall's "goonul", seems to be kulan. A form kuRu, in the song given by Roth, could conceivably be a demonstrative. tYunu - '*that, there*' in Ngawun - occurs also in MK and MT, presumably with the same meaning.

McKillop often suffixed -pari to demonstratives (see (215)); its function is not known. He also used kunu(pari) and kula(pari) frequently, and tYunu(pari) rarely, to refer to the first person (see (216)).

Palmer gives pira '*close*' and wulu '*far*' for MK and MY. McKillop used pirapira but no translation was obtained.

Interrogatives attested for MK are nani '*what*' and its dative naninjuntu '*what for?*', wanta '*where?*' and wantaru '*where to?*'. In MY nani possibly occurs in "unipeenemello" while wanta may occur in "wanthan kogool"; both utterances quoted were given as meaning '*I don't know*', in reply to a '*where*' question. MT interrogatives given by Marshall are "urnu" (wanyu?) '*who?*', nani '*what?*', wantu '*where?*', naninku '*how?*', nanipaRa '*when?*', "wondare" '*why?*'.

3.4.3 VERBS

Verb stems are mainly disyllabic and monomorphemic, but it seems possible that not all stems need end in /a/ (as they do in Ngawun); wanYtYi- seems to be the verb '*to lie*' in MK, MY and MT Ngawun; and seems to exist also (given as '*to see*' but this is doubted) in W, and note also tawu '*to break*' (MK; other examples of possible stem-final /u/ in MK are doubted).

Reciprocal -pa seems to be attested in punYtYapi (MK, MY, MT) '*fighting*'; compare Ngawun -mpa in punYtYampinju. However, -mpa, which is both reciprocal and inchoative formative in Ngawun, is used for inchoative by McKillop (MK) in

- (218) nayi kakampi
I tired-INCH-PRES
'I'm tired.'

and by Bates (MY) in:

- (219) kunu panYtYil kutYulu yulampina
here man many aggressive-INCH-?
*'Hear [sic] a lot of men talking about and
wanting to fight.'*

The verb '*to laugh*' is yitYampa in MY, as in Ngawun.

A word mayimira derived from mayi '*speech*' and translated '*speech, talk*' and '*to speak*' by Bates (MY) is said by O'Keefe to mean '*to tell*'; -mira could be a causative suffix. However, it may well be a compound suffix. Compare Marshall's (MT) "minbar" '*tell*', which could be mayinpa.

There may be a formative -li in Palmer's wanYtYilli '*to sleep*' (MK) (but wanYtYi is also '*to sleep*') and wanYtYilli may also be part of Marshall's (MT) "nunduanjilingu" '*think*', the first part apparently being the word '*know*'; compare Moonlight's yinilli (W/MT, meaning unknown but perhaps derived from yina '*to sit*'). Note also the noun-verb pairs in MY: mutYi '*dead*' / mutYa '*to die*'; lirki '*tired, lazy*' / lirka '*to be tired*' and mayi '*speech*' / maya '*to speak*' (the last probably in all dialects of the group although not attested for MT or W). The MT equivalent of MY mutYi may be mutYunY (MacGillivray's "moochoin"). Note also other MT forms which may have suffix -nY; Marshall's "buterain" '*bring*' and "yumbain" '*give*'. It seems unlikely that these are nominalisations, however.

A nominaliser must be present in the name "Plungreen" (MK), said to mean "*fast runner*". The verb '*to run*' is panka and the name may be pankarInY (compare the agent formative -:linY in some southern Mari dialects).

Imperative in MK is probably marked by zero inflection, with frequent distortion of the final vowel, as in Ngawun; thus Palmer's "yinay" '*sit*'. Data from the modern informants tend to confirm this. The inflection seems to be zero also in MY (yina '*sit*', wapa '*go*') and MT (yina '*sit*', panka '*run*', puwa '*hit*' and others).

Past tense is -n in most MK sources; the -nu McKillop occasionally and O'Keefe always used is Ngawun. -n is attested also in MY (mutYan 'dead' (=*died*)); a possible -nu may be a mishearing of present tense -inu. Palmer gives wil as a marker of past tense in MY; it may mean '*already*' (compare Yandruwandha kali). Compare also Bidjara guli '*long ago*'. Either or both could be cognate. -nu occurs on some of Marshall's MT verbs and its presence in mutYanu 'dead' (=*died*) shows that it is past tense. Others include puwanu '*hit*', kalkanu '*fall*' ('fell') and naqamanu '*see*' ('*saw*')

Present tense forms -i and -inu (the /i/ replacing the stem-final vowel) are attested in Palmer and by O'Keefe and

McKillop, although the latter on one occasion would not accept yininu '*is sitting*' and said that it belonged to "the other language" (i.e. one of the other dialects of the language, possibly Mayi-Yapi although he called it Walangama). However, -i and -inu seem to be interchangeable in his speech. -yi occurs rarely (Palmer, Smith and McKillop) apparently as an alternative to -i. All of these forms are used only with intransitive verbs. The present tense of transitive verbs, or of verbs belonging to the conjugation which includes most and consists mainly of transitive verbs, may be -lpu; examples have been heard from McKillop, who was inconsistent and indistinct, rarely from O'Keefe who usually used the Ngawun form -lpuju, and once from Smith. The forms attested for MY are -i, -inu and -lpu, not mutually exclusive and all of them apparently combinable with intransitive verbs (there are no clear examples of a transitive verb in the present tense). Examples include wapi and wapinu '*walking*', wanjalpu '*running*', kalki and kalkinu '*falling, going down*', ("binjamu kalgingingu" is given by Bates as '*sunset*'), yini '*sitting*', pari and parinu '*crying*', turki '*diving*', wanYtYilpu '*sleep* (tense not clear)', pakaripu (pakarilpu?) '*steal* (tense not clear)'; note also "larra thulbo" '*fighting*' which may include a noun root '*fight*' and a verbaliser -tu or -ta. In MT -inu occurs in intransitive verbs (pulinju '*is hungry*', yurpinu '*is thirsty*', yininu '*is sitting*', parinu '*is crying*', punytyapinu '*is fighting*' etc.), -lpu on at least one transitive verb (patalpu '*is eating*') and -lpuju on two other transitive verbs (numalpuju '*smells*' and watYilpuju '*fills*'(?)). Moonlight gives a form wanYtYilpuju (meaning unknown) which may have a present tense suffix -lpuju while present tense -inu may occur in yintimaakumpa yintiwaritYinu, not translated but described as "*swearing*".

A purposive suffix -!tyi is attested reliably for MK by Palmer and Smith and unreliably, because of his indiscriminate use of it, by McKillop. McKillop also uses -lju and O'Keefe -lju and -ntu, but these are Ngawun forms. MY also has -!tyi (two examples seem to have -lyi, but note that Ngawun and MK seem to have no phoneme /ly/ and there is no reliable evidence that other dialects of the language do). Examples include pataltYi (and pataltYi(?)) '*to eat*', wanYtYiltYi '*to sleep*', nukaitYi '*to drink*', namalYi(?) '*to see*'. The same form occurs in MT; examples are pataltYi '*to drink*' and wanYtYiltYi (?) '*to sleep*'.

Reduplication, presumably to mark continuing action, is attested from all sources but only for present tense forms.

McKillop occasionally uses a verb form in -l; e.g. yinal (also yina and yinayina as well as regular forms yini and yininyini) '*sit (present)*', lawul '*throw (imperative)*', namal '*see (present)*'. wanYtYil '*sleep*' is in Marshall's (MT) list.

Other verb endings noted in MT are -lu (twice), -ma (twice) and -la. No meanings can be suggested.

Examples illustrating verb forms, as given by Alec Smith, include:

- (220) yinay / yinkal nana yanpay
sit / just we(PLU) talk
'Sit down. We'll have a talk.'

(Note that the final y on two words in this sentence is interpreted as a non-phonemic distortion of the stem-final /a/.)

- (221) yinkal nayi pangkan yuntu nama!tyi (nama!tyi?)
just I run-PAST you see-PURP
'I just came to see you.'

(yuntu is incorrect; the correct form is probably yira.)

- (222) kati t^yunu yiniyini kankay
animal there sit-sit-PRES tree-?
namanamalpu you'n me
see-see-PRES (English)
'There's an animal sitting in that tree looking at us.'

3.4.4 PARTICLES AND INTERJECTIONS

niya means 'yes' in MY and MT. nampi is the negative 'no, not' in all four dialects, although McKillop (MK) also uses the Ngawun form walki. Negation of imperatives in MK is by paty! 'don't' (sometimes pronounced pati by O'Keefe).

MK and MY have kapi 'come on!', but the MT equivalent seems to be kuyan.

A possible clitic meaning 'always' has been heard from McKillop:

- (223) t^yunu gulu punY+YipunYinunu
that he kill-kill-PRES-always(?)
'They're always fighting.'

(This sentence was not acceptable to Cherry O'Keefe.)

yinkal 'just, only', as used by Smith has the same function as Ngawun yunkal, and O'Keefe uses the latter pronunciation. It was not possible to check Smith's pronunciation. (See 220, 221).

McKillop sometimes uses a particle or clitic which may be wata; it is never pronounced clearly and there is little or no indication of any function. It could possibly be a hiatus filler. It seems unlikely that it is a demonstrative

corresponding to Ngawun *wati*. *wati* may occur also in a sentence from Moonlight and in the untranslated initiation song given by Roth.

Smith once used a particle *kali* which could mean 'up', but compare *kali* in Ngawun (3.2.9). McKillop also uses *kali*, with no indication of meaning.

- (224) kali panka puwai^tyi
? run hit-PURP
'Climb up and kill him.'

See above (3.4.3) for *wil* in MY.

3.5 Mayi-Katuna grammatical notes

Almost all of the grammatical data on Mayi-Kutuna were elicited from Peter Nardoo. A few items come from the old sources and from Eric Murphy.

3.5.1 NOUNS

Noun stems are typically disyllabic. Compound stems include *yarnjanti* 'teeth' (cf. *yar* 'mouth' in Mayi-Kulan), *lirapatyi*(+) 'lips' (*lira* 'mouth'), *manapatyi* 'snake sp.', *malapatyi* 'fingernail' (*mala* 'hand'), "mullaniwoora" 'fingers'. Reduplicated stems include *panYapanYa* 'young woman' (*panya* 'woman') and others for which the simple stem is not otherwise attested, e.g. *tYatutYatu* 'neck, throat', *mintiminti* 'chest', *yutuyutu* 'crocodile', *pa_tapata* ~ *pa_tapatawari* 'grey hawk'.

The suffix *-t^yipa* occurs on compass point names: east is given (by Tindale) as [purá:la] and [pura:ladjiba], north only as [ná:ra], south as [koádjiba].

A confusing set of formatives, obviously involving some mistakes and perhaps largely invented, occurs in the following set of numbers elicited from Peter Nardoo.

<u>English</u>	<u>Mayi-Kutuna</u>	<u>Notes</u>
<i>one</i>	<i>wankari</i>	Confirmed by other sources
<i>two</i>	<i>kurpaya</i>	Confirmed by other sources (but one gives it as 'three')
<i>three</i>	<i>kurpaya wankari</i> , <i>yilatYir</i>	
<i>four</i>	<i>yanYtYal</i>	Means 'many'. Edward Curr gives <i>pulakara</i> <i>pulakara</i> but this seems to be Mayi-Kulan or Mayi-Yapi
<i>five</i>	<i>yanYtYalpari</i>	-pari attested as a noun stem formative in a number of

EnglishMayi-KutunaNotes

Queensland languages; see also below

six	yan ^y +yalkuri	
seven	yan ^y +yalyurpaya	= yan ^y +yal + kurpaya?
eight	yan ^y +yalwari	for -wari and -wari see below
ten	yan ^y +yalyurpaya	see seven

The word for '*child*' occurs as pat^yanjula and pat^yanjur; the latter is also Mayi-Kulan and the former only may be genuine Mayi-Kutuna. These words may not be synchronically analysable.

There seems to be a suffix -para or -para in Turnbull's yangon-barra '*to burn with fire*' ('fire' given as yangoon and yangoo) which may in fact mean '*consumed with fire*' or '*on fire*' (compare Ngawun -para, 3.2.2).

A possible proprietive -pari occurs in tularpari from tula (sic) '*stick*'¹; however, the meaning of the compound form is not given. Note also mintiwarī (not heard clearly), from minti '*stone*', in the sentence:

- (225) ḥayu yinbila / n^yinbila yara / mintiwarī (?) /
 I (error?) / hit - ? you(?) / stone - ? /
 yalkaparīñumu / or talimpiri
 boomerang-INST (?) / (English) nulla-nulla
*"I'll hit him with a stone, or boomerang,
 or nulla-nulla."*

-wari occurs also in paluwari, a pejorative term apparently meaning '*large vulva*' although not related to the normal word for '*vulva*', and in man^yyawari '*good*' (normally 'man^yya'). Note also panyawari (with -wari, not -wari) '*girl*' (panya '*woman*') and pat^yanjulawari "mob of pat^yanjula [children]".

junu seems to be proprietive in,

- (226) yirman t^yiti kat^yinunu
 man that (?) meat-PROP
"A man coming along bringing meat."

- and (227) yirman t^yiti mantanunu wukay
 man that (?) food-PROP bring-PRES (?)
"He's coming along with some tucker."

1. Compare Kalkutungu tular '*stick*'.

-ŋumu may be instrumental, but it is confused with -ŋunu and they may not be distinct, e.g.

- (228) mintijunu / mintinumu / n^yinpila njana
stone-PROP (?) / stone-INST (?) / hit-PAST (?) me
"He hit me with a stone."

and other similar examples. There are no examples of an ergative use.

If -ŋumu is ergative/instrumental, a locative -ŋuma would be likely. There is one doubtful example; it could be -ŋumu or even -ŋuntu (purposive).

- (229) kali njayu mayay / parakut^yi /
? I talk-PRES (?) / white-man-? /
parakuŋuma (?)
white man-LOC
"You and me are having a talk."

Another possible locative is -ŋ (perhaps -ŋa); however, the nasal sound here may not be phonemic at all.

- (230) njayu yinay / makiyan
I sit-PRES (?) / ground-LOC (?)
'I'm sitting on the ground.'

The word for 'day', given as "boorida" by Donner (1899), is probably puRila and a locative of puRil 'sun'.

The purposive, used also to mark allative function, is -ŋuntu. It is the only bound morpheme which can be named with confidence.

- (231) kapirinuntu njayu paŋkay
water-PURP I go-PRES (?)
'I'm going ... for some water.'
- (232) kali yuntu paŋkay / yanjuŋuntu
? you go-PRES (?) / fire-PURP
'Go over there to the fire.'

A possible ablative suffix is -kuta; there is only one example and it was not clear. Note (below) that -kuta could be allative with pronouns.

- (233) kuli njayu kalkana / yaramankuta (?)
? I fall-PAST (?) / horse-ABL (?)
'I fell off a horse.'

3.5.2 PRONOUNS

The only personal pronouns attested from more than one source are the first and second person singular nominative forms nayu and yuntu, first singular genitive ŋataramu (or ŋatarumu) and ŋatarakuta, apparently first singular allative (see item Y1 in the vocabulary) although given as genitive by Murphy. Nardoo's ŋali 'we (dual)' is probably also given by Donner and perhaps by Turnbull (but as part of his second person plural form). 'We (plural)' may be nana (Donner's "nana" 'they'). Nardoo gives nana and nana (nana(ra)) 'me', and yara 'you (accusative)' (which is doubted).

The material from Donner and Turnbull is extremely confusing and will be given in detail with attempts at elucidation. Donner's forms are:

moona	'I'	perhaps <u>nana</u> 'me'
namuna	'my'	?
nadaramoo	'mine'	<u>ŋataramu</u> 'my'
nanaramoondamoo	'we two'	perhaps <u>nana</u> 'we (plural)' plus -ramu 'genitive' plus ? (Genitive suffix twice?)
naleeyingdamoo	'our'	perhaps <u>ŋali</u> 'we (dual)' plus ? plus -ramu 'genitive'
nayoo	'thou'	<u>nayu</u> 'I'
breee	'you two'	possibly a misreading of a rendering of <u>pala</u> 'they two'
yonggaringgr	'he'	? (The first two syllables may be a demonstrative root present also in the word for 'these (two)')
unamubbada	'she'	?
nana	'they'	perhaps <u>nana</u> 'we (plural)'
yangadamoo	'these (two)'	? plus -ramu 'genitive'
goolganawrnoo	'hers (two)'	? plus -ramu 'genitive' (compare Nardoo's <u>kurpiyali</u> "you two", more likely 'those two')
malanawrnoo	'his'	perhaps <u>nulu</u> 'he' plus ? plus -ramu 'genitive'

Turnbull gives a verbal paradigm ("present tense, indicative of active verb") as follows, with a dash representing the verb stem:

Singular

1. Goolin-i —— in
2. Indo —— abah
3. Goolin-Goolin —— inah

Plural

1. Goolin-Goolin —— murgoo
2. Indo —— abah margoo [sic]
3. Goolin-Goolin —— inah murgoo

Examples he gives are goolin-i-gnor-in '*I go away*' and goolin-goolin-gnor-mah[sic]-murgoo '*they go away*'. He is definite that indo (also spelt indoo) in the second person is not yuntu, the second person singular pronoun. He also gives culbriadgee as '*we two*' (elsewhere culbriadjie, perhaps kurpaya yatYi '*two go*').

He gives goro as '*good*', and then the following paradigm:

Singular

1. Ni-u-man-garah '*I am good*'
2. Yundu-man-garah '*Thou art good*'
3. Gooli-yed-ah mangah '*He is good*'

Plural

1. Murgoo-nani-u mangurah '*We are good*'
2. Coolbyn-nahlin-doo '*Ye are good*'
3. Ged-ee-ee-mungah '*They are good*'

The first two singular items are presumably nayu manYya and yuntu manYya. manYya '*good*' also occurs in most other items. murgoo is murku '*many*', and coolbyn is kurpaya '*two*'. nahlin-doo may be nalintu, a first person dual exclusive pronoun compounded of nali and yuntu (cf. 3.2.6). Gooli(n) is perhaps a demonstrative (possibly kulunY), but see 3.5.4 regarding kuli. nani-u could be nana '*we (plural)*'.

He also gives adther-amoo '*mine*'.

Two demonstratives, kutu and tYiti are attested (without certainty) and, by analogy with similar Ngawun and Mayi-Kulan forms, are assumed to mean '*this, here*' and '*that, there*' respectively. kutu appears in the sentence "eerman goodo?" given by Lamond in Curr as '*Where are the blacks?*' but in fact it must mean '*Are the blacks here?*'. In the material elicited from Peter Nardoo kutu almost always appears with the suffix -yali, whose function is quite unknown (but compare Bob McKillop's

similar use of -pari in Mayi-Kulan). kutunY, deduced only from Tindale's spelling of the language name, is perhaps a variant of kutu (see 2.5).

- (234) n'yinpi kutuyali yalpal
hit this-? dog
'I'm going to hit the dog.'
- (235) yirman t'Yiti wukampay
man that sleep-PRES(?)
'He's lying down asleep.'

Regarding -yali, note also:

- (236) wantar kurpiyali
who (?) ? (kurpaya 'two')
'Who are you two.'
- (237) nayu parku pirinkir yali / nayu
I ? tomorrow ? / I
parku pankay pirinkir
? go-PRES(?) tomorrow
'I'm going away tomorrow.' (parku possibly paraku
'white man'.)

Peter Nardoo gives the word for 'who?' as wantar and wanta (regarding the final /r/, compare tula 'stick' and tularpari 'with a stick(?)'). However, comparison with Mayi-Yapi, Mayi-Kulan and Ngawun suggests that wanta(r) might really be 'where?'. Armit in Curr, gives "yirmandan dana" for 'Where are the blacks?'. This could possibly be yirman wantana; alternatively, the "dana" may be a third person plural pronoun tana and the sentence could be yirman wanta tana. Eric Murphy gives yanikuru yirman as "Who are you?"; possibly it means 'Who is this man?'

3.5.3 VERBS

Verb stems are normally disyllabic and end in a vowel. A possible stem formative is -mpa, perhaps an inchoative, in wukampa- 'to sleep' (cf. Bidjara wuga 'sleep', 'asleep'), but hardly also in walampa- 'to see'. Another possible inchoative is -ya in muriyana 'dead' (perhaps 'died'), compare muri 'dead' (perhaps a noun) but note also muri also given as 'to die'. A possible causative -ma occurs in yinama- 'to give up', cf. yina- 'to sit'.

Reduplication of a verb with substitution of a lateral for the initial consonant on its second occurrence occurs in some north-west Queensland languages, (e.g. Warluwara, Kukatj) and seems to be attested here in "a-gi-la-gi" 'to walk' (the simple

form, with the same meaning, is given as "yagee").

Information on verb tense and mood suffixes is almost non-existent; different terminations are noted but there is little indication of their function. Comparison with Mayi-Kulan suggests that the ending -y often used by Peter Nardoo could mark present tense; this seems to become zero after stem-final /i/. Some of the spellings in the old lists suggest that this suffix was correctly, at least then, -yi, e.g. "namiee" 'see', "oogiee" 'give', "mendiee" 'hold', "eenamiee" 'give up'. Suffixes which could be marking past tense in the modern corpus are -la (n'inpila 'hit' but also 'will hit') and -na (kalkana 'fell', muriyana 'died'). The latter may occur in Donner's "voganuna" / wukanana/? 'take'.

Other possible suffixes in the old sources include -awu (or conceivably -Inju, as in Ngawun; see 3.2.8.5) in Donner's "wondiceao" 'to release', and perhaps "nandieo" 'feel', something like -lpa in a number of words (variously spelt -lbadda, -lbada, -lbilla, -nbadda, -lbilda and -lbebilda) and -in, -pa and -ina in Turnbull (see the paradigm in 3.5.2). The second last could possibly be an imperative.

3.5.4 PARTICLES

yati and nampi are given for 'no'. The latter may not be Mayi-Kutuna; it occurs in some Eastern dialects.

Peter Nardoo uses a word kuli which he once translated as 'come on', but this does not seem to fit all its occurrences and there is no real evidence as to its function. It occurs also in Turnbull and Donner.

- (238) kuli nayu yinay
? I sit-PRES(?)
'I'm going to sit down.'

- (239) kuli nayu talkar yalpal
? I afraid dog
'I'm frightened of the dog.'

See also (233), and compare kali in Ngawun (3.2.9). Note also kali in (229) and (232).

The interjection kapi 'come here' occurs in Mayi-Kutuna.

Chapter 4

VOCABULARY

4.1 Introduction

The vocabulary is divided into sections, each identified by a capital letter:

A	body parts	V	direction, location
B	human	W	time
C	kinship	X	pronouns
D	culture	Y	particles
E	animals		
F	birds		
G	reptiles, frogs		
H	fish, crustaceans, shellfish		
I	insects, etc.		
J	plants		
K	inanimate nature (sky, water, weather, earth)		
L	Numbers and specifiers		
M	qualities, states		
N	rest		
O	motion		
P	induced rest or motion		
Q	violence, damage		
R	material culture (verbs)		
S	inanimate state (verbs)		
T	vocalising and thought		
U	living		

Sources are identified by abbreviations, usually initials.
The sources are, in alphabetical order:

An	Anonymous (in Curr)
Ar	Armit (in Curr)
B	Daisy Bates
CC	Charlie Calwell (rec. Breen)
Do	Donner (in Science of Man)
Du	Dutton (in Science of Man)
EC	Edward Curr (in Curr)
EM	Eric Murphy (rec. Breen)
H	Howitt's reading of material in Howitt papers from Palmer (PH) and Walsh (WH), given only when it differs from Breen's reading of the same items
K	Jimmy Keys (rec. Sutton)
L	Lamond (in Curr)
LM	Lardie Moonlight (rec. Blake and Breen)
M	Bob McKillop (rec. Blake and Breen)
Mac	MacGillivray (in Curr)
MC	Montagu Curr (in Curr)
MM	Marshall (in Mathew)
N	Peter Nardoo (rec. Breen)
O	Cherry O'Keefe (rec. Sutton and Breen)
OH	Oates and Healey
P	Palmer (both published sources, i.e. PA and PR for Mayi-Kulan, PA and PC for Mayi-Yapi)
PA	Palmer (in Journal of the Anthropological Institute)
PC	Palmer (in Curr)
PH	Palmer (in Howitt Papers)
PR	Palmer (in Journal of the Royal Society of New South Wales)
R	Roth (in Ethnological Studies)
RB	Roth (in Bulletins)
S	Alec Smith (rec. Sutton)
Sharp	Sharp
SL	Sandy Lorraine (rec. Sutton and Breen)

T	Tindale
Tu	Turnbull (in Science of Man)
WH	Walsh (in Howitt Papers)

Charlie Mulberry (rec. Sutton and Holmer) has not been assigned to any communalect, but where his items are Mayi they are listed in the notes under (g). (The material recorded by Holmer has not been used.) "Accidental" Mayi words, given by informants in other languages during the course of elicitation of those languages and not identified by them as belonging to a Mayi communalect, are not included; they contribute nothing to the data, as the items concerned are already well known from other sources.

Abbreviations of language names are Bd : Bidjara, Eng : English, Kk : Kukatj, Kl : Kalkutungu, Kn : Kungkari, PP : Pitta-Pitta, Wn : Wanyi, YI : Yalarnga, and Mayi dialects as in 1.8.

Other abbreviations used (apart from well known or obvious ones, and abbreviations used in botanical names - which are mostly of names of botanists who first described the plant) are a : accepted (as in aEM : accepted by Eric Murphy), d : doubtful (as in adEM), Ig(s) : language(s), misr : probable misreading (e.g. by an editor).

The term '*reciprocal*' is best explained by an example: kamin is translated as '*mother's mother/reciprocal*'; this means it is used by a person to refer to his or her mother's mother and it is also used by a woman to refer to those, male or female, who call her kamin. Thus if A calls B kamin, B also calls A kamin.

A question mark after an item in the comparative list means that its phonemicisation is particularly tentative, while if an item is in brackets either its meaning, as given, is doubted or it is thought likely to not belong to that communalect.

For the most part, interpretation of the notes requires only common sense, but some conventions need to be stated. Forms given by modern (i.e. post 1960) informants are not given unless it is necessary while forms from old sources are always given. Thus M, S, K kanta means that M and S gave the word kantar (which appears on the opposite page as kandharr) while K pronounced it in a way that suggested a phonemicisation kanta. If, however, there had been another form, in addition to kandharr, on the opposite page it would have been necessary to say M, S kantar, K kanta. PA, An timmoor can only mean that both the (old) sources PA and An gave the spelling timmoor, since it is necessary always to give the item as spelt in any old source.

When forms from modern informants are given they are in phonemic or (with square brackets) phonetic notation - in the

latter case, using the symbols used by the collector. Forms from other languages also are in phonemic notation, using the symbols used in this book (thus, for example, *t'viriku* for the Kalkutungu word spelt *ciriku* by Blake (1969, 1979)) except that voiced stop symbols are used if they are normally used for that language. Words from old sources are given as in the original except in the case of Roth; those items given by Roth with stress marked by italicising the stressed syllable are written here with stress unmarked if it is heard by Roth only on the initial syllable, and with stress marked by the symbol ' before the first letter of the syllable (i.e. the letter following Roth's hyphen) if he heard it on any syllable other than the first (as in *pē-'ěng-boō-nă* 'comeback boomerang').

Where cross-references to other vocabulary items are given, the number only is given if it is in the same section (e.g. a reference to 14 in the notes to M8 is a reference to MI4); otherwise letter and number are given. (This procedure is varied in a couple of instances to avoid confusion in a multiple cross-reference.)

Where a gloss or note is not separated from the preceding Mayi entry by any punctuation it refers only to that form; where it is separated by a comma (unless this is inside brackets or inverted commas) it refers to all preceding entries back to the nearest preceding semi-colon or bracketed letter (identifying the communal ect). Where it is separated by a full stop it refers to the item as a whole.

Thus "PA yumbe, PC yamby '*wild dog*'" means that *yamby* is glossed as '*wild dog*' while *yumbe* is, in the original source, given the same gloss as shown on the opposite page (i.e. '*dog*' and '*dingo*'). Similarly, in "aEM makiya, T magia '*ground, camp*'" the gloss '*ground, camp*' refers only to T's entry. In "(b) PA karrabah; S pintura, OH pinturu, '*duck*'" the gloss '*duck*' refers to S's and OH's entries while PA gave '*black duck*' (as opposite). If there were a comma after *karrabah* the gloss '*duck*' would refer to all three entries. In "(G) 22 ... (e) R jou-ūn '*frog*'. Cf. KI *t'awan*" the note "Cf. KI *t'awan*" refers to the any or all (as appropriate) of the entries for number G22. (G is bracketed because the letter appears only if the item is at the top of a page or is the first in its section.)

4.2 Notes on pronunciation for non-linguists

To produce a reasonable approximation to the sound of Mayi words, as spelt in the comparative vocabulary or in most parts of the introduction, the reader should be particularly careful to remember the rules for pronunciation of the vowels; correct pronunciation of the consonants is less critical. It is important also to remember the rule for stress: all words are stressed on the first syllable. Thus, for example, *kukuru* '*sky*' is kukuru, not kukuru.

Only three vowel symbols - a, i and u - are used in the spelling of Mayi words (except that e and o have been used in a few words whose correct pronunciation is not known). a should be pronounced like the u of English *cut* or the o of *mother* or the a of *among*. i should be pronounced as in *bit* or *winter*. u should be pronounced as in *put* or as oo in *good*; it should never be pronounced as in words like *gun* or *hurry*.

Many of the consonants are pronounced more or less as in English, although p, k and t are pronounced with less force. th is not pronounced as in English; it can be described as like a t-sound but interdental instead of alveolar (see 1.10). It resembles the sound of the sequence tth in *hit them*. dh is like a d pronounced in the same way, or like the sound of dth in *hid them*. nh is a nasal sound pronounced in the same way; the difference between n and nh is very difficult for English speakers to hear.

ng is always pronounced as a nasal sound, as in *singer*, not as in *finger*. The sound of the ng in *finger* is written ngg in Mayi words. ny is always as in *canyon*, never as in *any* or *Nyal*.

rr can be rolled, like the Scottish r, especially before another consonant; between vowels the roll is very short, usually just a single tap of the tongue on the roof of the mouth. r is more like the Australian English r. rt, rd, rn and rl are pronounced with the tongue curled back as in the speech of many Americans, for example in *sort*, *cord*, *burn* and *curl*. ir should never be pronounced as in *bird*, but is more like the er in *hero*. ur is never as in *burn*, but more like oor in *poorer*.

The name Mayi in language names is usually cut short, resembling English my; thus Mayi-Kulan, for example, could be spelt My-Coolan. As a separate word it is longer, more like myee.

The use of capital letters (other than for the initial letter of proper names) is a confession of ignorance; for example, L is used for a sound which could be either l or rl. A full key to the use of capitals (and of e and o) in this way is given in 2.6.

4.3 The comparative vocabulary, with notes

(see next page)

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	May i-Thakurti	Wunumara	May i-Kutuna
1	head	kandharr	ngāNkul	ngāNkul	kandharr	kaparra
2	hair of head	kandhangu	kandharr	kandharr	†jiti	†jiti
		warumbu	warumbu	warumbu	warumf u	wāLuLu
		(warangu)		(warangu)		
3	bald head	yian	kunarrī			
4	grey head	pulkīn	†juNGa!	kaTun		
5	forehead	kutjirr	kutjirr	yatjirr (thime(rr))	kumu	mandapa
6	eye	mi l i	mi l i	yuku	mi l	meNDuLa ?
7	eyebrow			mi l jeRiN	kumu†jirri	tiparri
8	nose	kunyin	kunyin	ny ingga	WuRu	kunyi (nyingga)
				ny ingga		

- A1 (b) M, O, S, K kanta, PA gunther, OH kantar (c) P ngun kool, ngunkool, An condil, munda,
MC nganggul and see 10 (d) R ūng-gool and see 2, Mac nawgool, MM kundra, (e) R kăñ-dă
(f) N kapara, aEM, SL [găbərə], T djidji, Ar tchigi, EC gi-gi, D jee-jee, L kandarr, Tu judgee or
iidgi
- 2 (b) M [wărəju] poss. a mistake, S warumpu, PA warrumboo (c) P warrumboo, warramboo, An warombo,
MC war-room-bo (d) Mac woorumboo, R kăñ-’tă (cf. 1), MM jamul, Du jancon (f) SL [wărəmbū], aEM,
T ’warumbu, Ar wai loolu, EC war-am-boo, D warlooloo, L waroomboo, Tu wallaro or walluro
(g) [wărəmbo]
- 3 (b) PA yiyun (c) PA goonarry, cf. Marrgayn gunari 'bald', also 'etayyan', Kn kunari 'plain' and
see K35
- 4 (b) PA boolkin (c) PA joongal (d) Du cardoon
- 5 (b) M (also 'face') (c) An codjeer 'face' (d) R yă-chēr; MM themer, cf. 68 (e) R goo-mō
(f) N mantapa, aEM, T 'manda:ba, D mundovar 'face', Tu mindula or mundula 'face'
- 6 (b) M, S, PA mille, OH (c) P mille, milly, An mille, MC mille (d) R ū-kō, Mac uko,
yenko (misr.), MM eugo, Du eugoo, cf. K4
- 7 (d) R mĕl-je-rin (e) R goo-mō-'jĭ-rĭ-rĭ
- 8 (b) M kuni(n), S, PA koonyeen, OH kunyiny (c) P goin geen, roomyeen (misr.), An ningar,
MC goonyeen (d) R nĭng-kă (also 'nostril'), Mac nykar, MM yeengar, Du nuegar; CC rikarkunka,
cf. K1 (e) R ör-rō (f) N, Sl, aEM, T 'kü:nji, Ar gunyi, FC koo-ni, D goonyee, L eengar,
Tu gonyee or genjee

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
A9	<i>nostri</i> ^l				WuRuKa!u	
10	<i>ear</i>	mangayn mangayn	pinarr	pinarr (tjiman or kiman)	pinarr	
11	<i>cheek</i>		?	walINDU	nganggathi ImaRa	
12	<i>mouth</i>	yarr	yarr	thanggula lirra?	ngaka	lirra ngaka (thanggula)
13	<i>lip</i>			thaRiNGa ?		Irrapatji (+)
14	<i>tooth</i>	yaringandi	yarrtjareyn	yarrtjareyn	yarrthi tha	yarrngandi
		yarrthi tha	yarrngandu	yarrthi tha		
15	<i>tongue</i>	ngulan	ngulan	ngalandi	ngalandi	muni
16	<i>spittle</i>	wita	ngulan	thaminkvi	thaminkvi	
		(or wi ka)		wika		

- A9 (d) R see 8 (e) R ör-¹rō-kā-rō, cf. 8 and K43
- 10 (b) M; M also [takətak] (?), S; O manjanymāñany, PA beenah, K pīna, OH (c) P beenar, An binñare, MC kun-dtha (cf. 1) (d) R pīnā, Mac binna, MM pīnūl, Du geman (e) R bīnā (f) SL, aEM, T 'penar:, Ar binna, EC phir-nur, D beenar, L benarr, Tu binai (g) pīna
- 11 (c) An naua or nana (d) R wūl-lēm-dō, MM walindu (e) R üng-qā-'tel-mā-rā
- 12 (b) M; S yara; OH yarnati, see 14 (c) PC, An yarra; MC yar-jeen, see 14 (d) R üng-goo-lā 'lip', 'mouth', Mac thangula; MM yarcharin, Du yedtheron, see 14, CC [wət's.ra] = lira ? (e) R à-gā 'lip', 'mouth' (cf. Yandruwanda ngaga 'throat') (f) N, EM, SL lira; T 'leira, Ar terra, EC na-gu, D lara, L tangoola (also 'eat', cf. 18); Tu yaruundie or yarunudie, see 14
- 13 (d) MM tharingar (mistake ?, cf. 12) (f) N lirapatyit, aEM as lirapatyi
- 14 (a) yar, see 12 (b) M yarñanti, S [yar.ti]; PA yarrah, K yaru, see 12, OH yarnati, cf. 12 (c) P yarchine, yarjine, An yarranqundo; MC yar-ra, see 12 (d) R yā-chē-rīn, Mac yarcharring, MM yerdidther (e) R yār-dī-dă (f) N, SL, aEM, T 'jaranandi, Ar yerngandi, EC yargan-di, L yangan, Tu see 12. Note that four informants for (a), (b), (c) give the same word as 'mouth'. O said (1977) that yarñanti is a man with his middle front teeth knocked out. Perhaps it is a name for these teeth or for incisors in general.
- 15 (b) M, S, PA ngoolan (c) P ngoolan, ngooton, An tomingil, MC mool-lun (d) R nūl-lūn-dă, tūm-mēn-gool, Mac multandee, MM tumingaroo, Du multindie (e) R ül-¹lūn-dă (f) T 'mo:ni, Ar mooni, EC moo-ni, L moonee
- 16 (a) also used wiika, but said with was correct (c) An weeka 'the spirit'

	a	b	c	d	e	f
A17	(deleted)	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wurnumara Mayi-Kutuna
18	jaaω					(+jatutjatu)
19	chin,	see notes on 20 (e) (f)				
20	beard	yanbarr	yanbarr	yanbarr (mangguRa)	yanbarr (mangguRa)	yanbarr
21	throat			mangguRa	mangguRa	
22	neck	mana	mana	mana		manamuki ? (+jatutjatu) (mirriyin)
		nyinngin	nyinngin			
23	nape			karni	karni	
24	shoulder		karni	karni	karni	karni ? kaRarr
25	shoulder blades	rimbirimbī				
26	armpit		ngamurr	ngamurr		
27	arm	palkal	palkal	palkal ?	waltjurr pilkarra	thapurr paIkal NukuNuku
28	elbow			wulu	yurrumuku	
29	forearm				palkal	pilkarra
30	wrist					malai (Nampu)

A17 (deleted)

- 18 (f) T †jadu'djadu, cf. 22
- 20 (b) M, OH, PA yanbah, yanba; S warumpu, see 2 (c) P yanbah, An yanbah, MC yanbur
 (d) R mǔng-goo-ră 'chin', 'beard', see also 21, Mac mungurra, MM yanbar 'chin', mangoora 'beard'
 (e) R yǔn-bâ, mung-goo-ră, both 'chin', 'beard', see also 21 (f) SL, aEM; Ar yanba, EC yanbar,
 D yambur, L yanbarr, Tu yanbur
- 21 (b) OH mana, see 22 (d) R mǔng-roo-ră, Du mangoree 'neck' (e) R mǔng-goo-ră, cf. 20
 (b) PA munna, S nyiningin, OH see 21, 23 (c) PA ngingin, An munna (f) SL + YatutYatu, cf. 18;
 D merring, cf. 53, Tu manomoke (see note to 28 (d))
- 23 (b) OH mana 'back of neck', see 22 (d) R 'kī-ă-'tōo-ră-'tōo-ră
- 24 (b) S (d) R kă-nę (e) R kā-n̄ (f) SL kan̄i, aEM, D garrar, Tu curur
- 26 (b) M [tikəltikəl] ?, OH ḷjamur 'underarm hair' (f) SL, aEM, cf. 39(a)
- 27 (b) M, S, OH [əmuṛ] cf. 26 (c) An boogul (d) R wūl-joor and see 29, MM watjur, Du bilgolla
 (e) R see 29 (f) D noogoonoogoo, Tu pal-qal
- 28 (c) An oulo (d) R ū-rō-mō-kō cf. Kl yurumuku, Bd yudu, 'elbow', muku 'bone' in some Karma lgs,
 mugu 'knee' in some Mari lgs.
- 29 (d) R būlgūl (e) R pīl-gă-ră. See 27
- 30 (f) D multarily, aEM malali, cf. 33, Tu namboo (also 'mkl̄o', 61)

		a	b	c	d	e	f
		Ngawun	Mayi -Kulan	Mayi -Yapi	Mayi -Thakunti	Wunumara	Mayi -Kutuna
A3	hand	mar i	mal i ru	mal i ru	mambila (mala)	mala	mala
32	left hand	kaluru	wakuyn	wakuyn	mambila walkatja-	ma la Ni wi Nu Ra	
33	fingers				ka tjakRu		
					malakuNu ?		
34	thumb			mal pandji Ri (maRapanggu)	mambila mat <u>u</u>	maRapanggu	ma la panggu
35	finger nail	mar lindji l	mal pitji	mal itji (or malpitji ?)	mal pitji pi ku(malangu)	mal apitji	
36	nails		mindji l		mindji l	mindji l	
37	breast, milk		thambuthambu	thambu	thambu	ngamakuRa	thambu (mandj imandji)
38	chest		parrkun		ngam Ina		mindimindi

- A31 (a) O also used [maləru] (b) M, O, S, [maləru]; M, K, mala, OH malṛu and see 33 (c) PC malaroo, An mulhero, MC mala-roo (d) R mūm-bē-lā, Mac mumbilla, MM mumbinoor, Du monow and cf. 33, CC see 35 (e) R mūl-lā 'hand', 'fingers', LM mampilla (f) SL, EM; T 'mala', Ar malla, EC mulla, D mala, L mambilla, Tu mala (g) mala
- 32 (b) OH (b, c) PA wagoyne 'left handed'
- 33 In most Australian languages there is no word for 'fingers' as distinct from 'hand'.
 (b) OH malu, see 31 (d) R mūm-bē-lā-wūl-kā-jā-koo-rō, lit. 'little hand', cf. M6; MM malbidji, see 36, Du murroonoo (e) R, see 31 (f) D mullaniwenoora, cf. 30, 31; Tu mala-bungoo, cf. 34 (f)
- 34 (c) An mulbungeree and see 63 (d) R 'mūm-bē-lā 'mā-dō, lit. 'big hand', cf. M5 (e) R mā-rā-būng-gō, cf. 63 and L5 (f) Tu see 33
- 35 (b) OH (c) An marlidgee (d) R, see 36, Du pee coo, CC pikumatanu (piku in YI, and see 31 for mala; -nu may be genitive, see 3.4.1) (f) SL, aEM
- 36 (a) Not attested but cf. 35 and 66 (d) R mūl-pē-jē, MM malbidji, cf. 35 (e) R mūn-jy̪
- 37 The gloss 'breasts' is given in all cases; 'milk' only where shown. (a) thamputhampu in 1970, but in 1976 this was said to mean 'hips', cf. 46 (d), and mimi 'breasts' (c) PC thambo, An tambo, 'milk', MC d'thunboo (d) R ūm-nā-koo-rā, tām-bō; Mac tambo, MM thambo, 'milk'; MM uminar, cf. Kuwa (e) R ūm-mā-gō-rā (f) aEM thampu; Ar mundjimundi, cf. 38, EC tam-boo; L tamboo 'milk'
- 38 (b) S (f) SL mintiminti, D mundy mindy, Tu mindi-mindi, cf. 37

	a	b	c	d	e	f
A39 (i) <i>stomach</i>	Ngawun thapul (ii, iv)	May-i-Kulan wayinr (ii)	May-i-Yapi wanpanggu (i, iii)	May-i-Thakurti ngaparra (i, v)	Wunumara ngaparra (i, v)	May-i-Kutuna tjiipa (i, ii)
(ii) <i>belly</i>		ngaparra (ii)	ngaparra (i)	ngundhupanggu (iii)	ngundhupanggu (iii)	kunapanngu ? (i, iv)
(iii) <i>bowels</i>			wayirr (i)	walkatjakatjakuRu (iii)		ngaparra (i)
(iv) <i>guts</i>				walkatjakRu (iii)	wanbanggu (iii)	kuna (i, iii)
(v) <i>abdomen</i>				?	(i)	thapurr (iii)
40 <i>navel,</i> <i>umbilicus</i>				†junggu †jimbu	runggu †jimbu	†junggu †jimbu
41 <i>waist</i>					(watha)	
42 <i>heart</i>					marndika	
43 <i>liver</i>			matjirr		matjirr	
44 <i>back</i>		thunkun	mundhi		ruNDu	thalKupaRa
			purru			mundhi
45 <i>flank</i>					thalKupaRa	
46 <i>buttocks</i>		muyu	muyu		kapakapa	kipakipa
					pukuthambu	(mundhi)

- A39 (b) S wayir, OH napara (c) PC wanbungo 'stomach', waukitcherkurro, An ngabbara, wau-wur-noon 'bowels', MC wy-yeer, one-bun-go 'bowels' (d) R üb-pér-ä, oon-dō-büng-qō cf. 49; Mac wawkachcache kurro, cf. M6, wawbawgoo, MM uparer and see 49, CC [niyända] (e) R üb-bör-ä, oon-dō-büng-qō (f) SL kulapanju (kunapanju ?) 'inside', aEM kunapanju 'milk gut' i.e. 'large intestine', T 'djiba, cf. Proto-Pama-Mari tipa 'liver'; Ar koodna 'stomach', cf. 49, turburr 'bowels' cf. 26, EC na-boor-ra, tarndo (= 'egg', F2), L teeba, kuna cf. 49. Note L5 panju 'plenty' and KI katyakulu 'small' and see 34, 63 and M6. Items ending in -panju may possibly refer to the large intestine but note the similar compound in Warluwarra, kunapata 'stomach' from kuna 'faeces' and pata 'big', and waukitcherkurro and wawcachcache kurro, which seem to mean just 'small', may refer to the small intestine.
- 40 (a) O accepted these forms, and added "yunküpuna [+yunküpuna ?] means your belly is sick".
 (c) An choongo (d) R röng-kō (e) R jüm-bö (f) SL, aEM
- 41 (b) M, translation doubtful
- 42 (c) An mundegär
- 43 (a) matyar also heard (c) An mudjear
- 44 (b) S munti, cf. 46, OH puru (d) R roon-dō, Du toolgavera (e) R tüi-kō-pâ-rä (f) SL diribili
 (prob. Wn); aEM munti, D mundy, Tu moondie, cf. 46
- 45 (d) R 'kâ-pâ 'kâ-pâ (e) R 'gî-hä 'gî-hä
- 46 (b) M 'anus', S, K (d) R bō-kō-tün-bō, cf. 37 (e) R bō-gō (f) SL, D, cf. 44

	a	b	c	d	e	f
A47	hip	Ngawun (+hamputhampu)	Mayi-Kulan	Mayi-Yap i	Mayi-Thakurt i	Wunumara
48	anus		(+hap i)			munkur†
49	faeces, excrement	ngundhu	kuna ngundhu	wana ngundhu	ngundhu	kuna (Tala)
50	penis	thart i	thart i	thungga tjumb i	miNu	thungga
51	testicles	kaputhirri	kaputhirri (kalu)	ngurtu	kapukuRa	ngurtu
52	women's genitals		thindhi kundha			
53	vulva	kundha	kundha mirriy n		miNi	yirla
54	urine	kipara	kipara (kalmarra)	kipara	kundha paki l yalmaRanu	nyirrtjin (warlu)
55	pubic hair				kipara	kipara
56	lap					tjirril (murrapi)
						rlungu

- A47 (a) see 37
- 48 (c) An *teppe*, cf. tabbegocra 'tail of an animal', (f) EM; T 'mun'gut
- 49 (b) M *kuna*, cf. 39, *nguntu* only in *nguntu*-house corresponding apparently to Eng. shithouse; K *wuntu* (c) PC wanna, An wa-a-na, also wanna 'to *dung*', MC one-d'tho (d) R oon-dō, Mac noointo, MM oondoo (also 'bowels') (e) R oon-dō (f) EM *kuna*, T 'kudna, cf. 39, Ar *dulla*; EC *moo-ni*, cf. 15, L *goona*
- 50 (b) In order, M, M, K (d) R mē-nō (e) R wīn-nī (f) [M *thungka*, T 'do:nga
- 51 (b) M [kalun], [kapətiri], S *kaputYari* (c) PA see M17 (d) R kă-pō-koo-ră (e) R kă-pă-gör-ă (f) FM, SL, T 'nordö
- 52 (b) M, cf. 53
- 53 (b) K, cf. 52 and 22 (f) R mē-nē ("society" polite term) cf. 50; koon-ja, pūk-kīl, yēl-mă-rūng-ō, ("blackguardly words to use"), cf. (b) and (f) (e) R yēr-lă, cf. KI i|a (f) SL, aFM, kunta, cf. 52; T 'njiritjin, aEM nyirtyin; fM *walu*
- 54 (b) M *kipa*, *kipara* and see U11, K *kalmarā* (c) An *keepur* (d) R ḡib-bă-ră, MM *kiperer* (e) R ḡib-bōr-đ (f) SL
- 55 (b) see (f) (f) SL *murapi*, aFM as MKI, [M *tjirri*
- 56 (f) see 57

	a	b	c	d	e	f
Ngawun tharriru	May i -Kulan tharriru	May i-Yap i tharriru	May i-Thakurti tharriru	Wunumara tharra	May i-Kutuna tharra	
A57 <i>thigh</i>				(kuyamaRa)	Langin (+huwa!)	
58 <i>knee</i>	punkul	punkul	punkul	punkul	punkul	
59 <i>leg, lower leg, shin</i>			muku ?	y iNDaRa (muku)		
				(NuL(T)u)		
60 <i>calf</i>	thalku	pumbuyn				
61 <i>ankle</i>	pirna		pirna	(rikarrunka)	rikaRuka ? poss. rikarrunka (Nampu)	
62 <i>foot</i>	†jana	†jana	†jana	†jana	thira	†ji na
63 <i>big toe</i>				(maRapanggu)	†janaTindjal ?	thirapanggu
64 <i>toes</i>					+jIRi+jIRi	
65 <i>heel</i>					†janduNGaRa	

- A57 (b) M, S þhararu; OH þararu and see 59 (c) PC, MC mogo, cf. 59, An þarro (d) R þā-rō-rō
koo-yē-mâ-ră (kuyamarra is 'dogwood' in several W. Qld. lgs); Mac mukkeo, cf. 59; MM nooldu,
cf. 59, 60; Du see 59 (e) R þā-ră (f) EM, SL; Ar langiu (but note Mathews' reference (1899:38)
to langu 'thigh' at the mouth of the Leichhardt River and cf. 56 and 59), EC tar-ra; D þarai
'thigh', tara 'leg', L doaal, Tu tarra or darra
- 58 (b) M see 59, S (c) An boongool (d) R poong-kool (e) R boong-gool (a) and (e) assumed to
be punkul rather than punkul by analogy with (a) and (b) but note PP þunku
- 59 (a) pīnă, see 61 (b) M punkul 'lower leg', cf. 58; OH þaru, see 57 (c) see 57
(d) R þn-dă-ră, Mac see 57, MM nooldu cf. 57, 60, Du þarra 'leg' (e) R mō-kō (f) Ar see 57,
Tu langin 'leg'. See note to 28, and see 68
- 60 (b) OH (d) MM nooldu, cf. 57, 59
- 61 (a) see 59 (d) R prē-nă (cf. PP etc. pīna 'bone') (f) D regaroga, cf. 8(d) - the connection
seems remote but note that CC gave þYana for 'head', 'eye' and 'foot'; Tu namboo (also 'wrist', 30)
- 62 See also K46 'track' (b) M, S, K þyina, PA jannah, OH (c) P jannah, An janna, MC jenna
(d) R chă-nă, Mac tunna, MM yanar, Du jannah, CC þYana (e) R þin-nă (also 'little toes')
(f) aEM, T 'þjena, Ar tîna, EC chinna, D jinna, L deina, Tu gina or jina (g) þYana
- 63 (c) An marrabungo 'great toe', cf. 34 and L5, (d) MM yanartinjul, see notes to BI and Q3
- 64 (d) An jerri-jerri (e) see 62
- 65 (c) An jandoongara

	a	b	c	d	e	f
A66	<i>toenail</i>	Njawun †janmindjil	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara
67	<i>skin</i>	katharu	katharu	piya	yakarti ?	Mayi-Kutuna
				kaiku (piya)		
68	<i>bone</i>	thimul	thimul	thimul	maTa (thimul)	
69	<i>flesh</i> , see D98 'meat'			thimul mukuyn		
70	<i>blond</i>	kapul or kapurI	kapul	kuwaRu	kuwaRu	matjangu (kirin) (ngaRu)
71	<i>fat</i>	thanku	kamirr	thanku	kaNiyN	thanku kamirr
72	<i>sore</i>	kaki	kaki		kaki	
73	<i>scar</i>	mandiyn				mandiyn
74	<i>cough</i>					
75	<i>sickness</i>					
76	<i>itch</i>					nyamurru

- A67 (b) M katalu, katlu (c) PC beeāh, An beer, MC beya (d) Mac peeā, MM peer (f) Ar yogale,
EC ya-karr-li, D kalgoo, L bea. Cf. Bd biya '*bark*'.
- 68 (b) M timu, OH timutu (c) PC, An thimmool, MC moo-goo-in (d) R t̪im-mool, mō-koon, Mac mookooin,
Du moojoey (e) R t̪im-mdu (f) Ar mada, EC mud-da, L demul
- 70 (b) M, S, OH kaputu and see M3 (c) PC goowarro, An cobble, MC go-ar-roo, cf. Kuwa kuwaRu
(d) R kwâ-rō, Mac machango, MM gooroo (e) R gwâ-rō (f) SL kirin; T 'madjano, aEM, A majaugo
(misr.), EC my-yung, L ngarroo
- 71 (b) M kamir, PA kommeer, K tanku, OH kamir (c) PA thango wineyeer (wineyeer means '*big*', see
M5), PC thanko, An thango, MC d'thun-qo (d) Mac karning (f) SL tanku, aEM, Ar gamirr, EC,
D tan-goo, L tangoo
- 72 (b) PA coeke, koggee '*sore*s', OH (c) PA coekee '*sore*s'
- 73 (b) S [wa(r)t̪iyi] (f) SL, aEM. See also D34
- 75 Heard only in yitipuna '*sick*' and yitimpa '*to be sick*'. See also M38
- 76 (c) PC nyamooroo '*smallpox*'

	a	b	c	d	e	f
B1	(adult) man, person (Aboriginal)	Ngawun pandji l yalmirr	Mayi-Kulan pandji l yalmirr	Mayi-Yapi (yakuyn)	Mayi-Thakurti nakirr pandji l (muRi ?)	Wunumara nakirr wambi
2	(adult) woman (Aboriginal)	?	panya	panya warangu	panya (†jindima) (nyInga)	panya (thINDiparri) ?
3	old man	pul pul	muwa	muwa	muwa	pul pul ?
4	old woman	wamurra	wamurra	muthumuthu	Tamala	muthumuthu yanyirr ? (wamurra)

- B1 (b) O yalmir; M yuru 'bad man', cf. Kl yuru 'man', OH panyatty, PA bunjil, marbarungal (see K8), S panytyii, K yalmir, pama (from Pama lgs) (c) PA yagoyne (see M5), PC, An bunjil, MC banjil, B banjel, banjil (d) CC nakir, R â-gür, pün-yîl (and see C17), Mac nukker, bungil; MM moorey, cf. 3, also prob. nakir in wundoo narjerar 'Where are the blacks?' (Note that there are at least seven examples of j in MM where other sources indicate k; see also B7, DI, I2, K37, MI4, 06)
- (e) R â-gür (f) N, EM yirman, SL panytyil, T 'er:'man, Ar yirrman, EC in-goom 'the blacks', D yeermun, L eerman, Tu womb i (g) panytyil
- 2 (b) M warangu, cf. CI3, 0, K panya, PA bunya, S nyinja, WH see CI6, OH panYatty (c) PA mootho-mootho [sic], cf. 4, and see C28, PC, MC bunya, An bunyah, B banya, banyel (d) R pün-yâ (also 'wife'), wöm-mä-'öng-oo-lüi, Mac bunya (also 'wife'), MM pungar, CC +yintima (e) R büñ-n-yâ, see also 6 and 15, LM, WH see CI6 (f) N, EM, T 'pa:nja, PC bauTä (misr.), Ar poin-u, EC bunayah, L dindebarri (cf. A52 and note also Kl t'intipari 'beefwood'), Tu bunja
- 3 (b) PA moa (c) P moa, An mowa, MC mo-a (d) Mac mooa; MM more, cf. I, CC kutYurpatyi patyi ? (f) N pulpul, Ar see 4, EC mo-a, L boolgin-boola
- 4 (b) PA wamoora (c) PA smootho smootho and see 2, PC warmoora, An yappoora, MC wom-me-ra (d) Mac tamall a, MM womoora, CC matimatiyuntu ? (f) N [yanYer], Ar moa (cf. 3), EC mo-do-mo-do, L wamoora

	a	Ngawun	b	Mayi-Kulan	c	Mayi-Yapi	d	Mayi-Thakurti	e	Wunumara	f	Mayi-Kutuna
B5	young man	kiIngu	yapayirri	yapayirri	yapayirri	yapayirri	wuparrindji	wuparrindji	yapayirri	yapayirri	wuparrindji	(wuparrindji)
		yapayirri	(kiIngu)				ngiNingNi				maRakaNDi	
							maRakaNDi					
6	young woman	panggutjaru			yiratji	yiratji			(panyapanya)			
					wuLamaRa							
7	boy	(wa parra)	(kuyirri)	(kuyirri)	kanggi	kanggi	kiIngu ?	kiIngu ?	piLa			
					kaRangga	(kuyirri)			(+jalungani)			
					kaNDaka puRu							
					kuyirri							

- B5 (b) PA yabberin 'unmarried man', WH and H see C15 (c) PA yap-ary, An yabbyerrya, MC yab-bi-ree, B see C12 (d) R yup-pī-é-rī 'male after 1st degree initiation', ō-brūn-jī 'male after 2nd degree initiation', nī-nīng-ī-nī 'male after 3rd degree initiation', mūr-ūk-kūn-dī 'male after 4th degree initiation' also 'female after 3rd degree initiation' and 'female after 4th degree initiation', Mac yappoierre, PH and H see C19 (e) R yūp-pī-é-rī, ō-brūn-jī, both as in (d), mūr-ūk-kūn-dī 'male after 3rd degree initiation' (f) N, aEM, Ar ya-bar-ri, kalbi, L oobaringee Cf. Kl uparinyti 'young man after second degree initiation',
- 6 (d) ē-ră-jī 'female after 1st degree initiation', wōl-lă-mă-ră 'female after 2nd degree initiation', (e) R ē-ră-jī as in (d), būn-yă 'female after 2nd degree initiation' but see 2. Cf. Kl iratyi 'girl after first degree initiation' (Roth) or 'girl' (Blake)
- 7 (b) M kartaku, [ka-taku] 'boy (about 3 ft tall)', but see also 8, 9 and M6; PA buchingore, see 9; K walpara 'little boy' cf. Kn walpara 'child', Bd walbara 'young man', (c) PA batchingoloo, see 9, An see C15; B bajungur, see 9 (d) R kūng-gī, kūr-rūng-gā, 'boy, male at first sign of puberty', kun-ta-kul-poo-roo 'boy at full development of puberty'; MM jueary (?) , see note to 1, Du coedie; PH goy yerry, no translation given, and see C15, CC kuyiri (e) R gīng-gō, as for kūng-gī in (d), WH see C15, cf. 5(a) (f) N patjangula 'little boy', see 8, 9, 10; D bagahmooe, see 9, Tu bilah (cf. Kl pilapila 'child'). Cf. Kl, PP kuyiri

	a	b	c	d	e	f
Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna	
B8 girl	manggayn (ki ikara ?)	manggayn	manggayn	manggayn	panyatjarlu (panyawarri)	
9 child	patjangurr	patjangurr kathaku	kathaku	kathaku	patjangula (+jalungani) (Tamburu)	
10 baby	tjalaru	(tjalaru) (kuthu)	kuthuthu	kuthuthu	kuthuthu	?
11 mate, friend	makirr		makurtu		makutu	
12 good hunter			wurrkarri ?			
13 doctor		mangarnbunga			mangaNipuna	

- B8 (b) M [kaṭeku] but see 7, 9 and M6; PA mungine, also numkine 'a maid or virgin', see K7, S [gilgare] 'little girl', WH see C15 (c) PA goothathoo, see 10, An see C15 (d) R müng-gün 'girl, female at first sign of puberty', MM mungane, Du mungon; PH munkine, no translation given (e) R nüng-gün, as in (d), WH see C15 (f) D bajahjarloo, aEM as panYatYalu, cf. 9, 10, M6, EM panYawari; Tu gut-thu-thu, cf. 10. Cf. Gunya mañgany 'young woman'.
- 9 (b) M, O patYajur; M, PA, see 7, S patYajur, OH see 10; WH krial, see C14 (c) PA see 7, PC kudda-kudulla 'children', An podjonger 'children', B see 7 and 10 (d) R kă-tă-gō, Mac kuttukara 'children' and see 10, MM churloo (= 'small', M6), Du see 10 (e) R see C15, WH vernery 'child in arms' (f) N see 7, 8, 10; SL patjangula, aEM; EM + Yalunjani, see M6, Ar murgoo 'children' but see L5 'many', D see 15 tamboro 'children'
- 10 (b) O o†Yalaru, PA see C29, OH katuku see 9 (c) PA see 8 and C14, PC goitho-thoo, An coot-too-doo, MC good-a-dthoo; B bajunqur, cf. also 7 and 9 (d) Mac kuttukka, Du cuthergoo, also catherko 'elf', MM churloo (see M6), PH see C29, LM kututu 'children' (e) LM as in (d) (f) N patYajur, see 7, 8, 9, Ar pajamulla, EC ty-gall, t billabilla (aEM as kl pilapi|la) but see 7, Tu see 8
- 11 (b) M (f) N, EM
- 12 (b) M wur(or l)kar(or ri)
- 13 (a) manjan is "a thing that lives in your skin like a worm", -puna 'hunting', (d) R manguni boonă, RB mangani-buna 'the medicine man who uses it' [i.e. the death-bone apparatus, see D40], -puna 'hunting'. Cf. Kl manjanan, 'p manjanaru

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
B14 (i) <i>spirit</i>	piltjurr (ii, iv)	parraku (iv) (ii, iv)	parraku (all)	parraku (iv)		
(ii) <i>ghost</i>	mikulu (iv)	matha (iv)	wanbu (ii)	piltjurr (i)	mikulu (iv)	
(iii) <i>corpse</i>		piltjurr (iv)	piltjurr (i)			
(iv) <i>white person</i>				mumbi (iv)		
				NaNGa (ii)		
					?	
15 <i>white woman</i>	waynmarri					
16 <i>names of specific spirits</i> (see opposite for details)	limbindja kuluyn	limbindja kuluyn	Taluwan	Thuyungga kula ?	limbindja kulan	Tipirr ?
				Tinkala kulan		puNGaTU
				muk(tay)i piyangu		?
				Tayipanganya		?
				ma kaRi		

- ⁿ B14 (a) O also used paraku but said it was MKI (b) M [parəku], mikulu (?), O pi!tyur (?), S yanyi (= KI), K [bilYud], paraku, [migalo]; PA limbeen-jar-golong 'spirits, refers to treebank where they live', see 16 (c) P barrago 'white fellow', 'white man'; PC limbeenjargolong 'ghosts', see 16; An parrago 'ghosts', 'white man', muddtha 'white man', MC mud-dtha 'white man' (presumably from Eng master), B baragu 'white man, woman', biljur 'devil' (d) R pâ-râ-gô 'spirit, ghost, corpse, white person', Mac barrakoo 'evil spirits', burruka 'white man', MM simbingergolun 'ghost' (= limpintja kulan, see 16), Du barrago 'white man', wanboo 'devil-devil' cf. Guwa 'white man' and words for 'ghost', 'devil' or 'white man' in some Mari dialects, eg. Bd, Margary (f) N, SL, aEM, paraku, SL piityur 'spirit of dead person', Ar moombi, EC mi-goo-loo, L mekoo lan 'white man', noonga 'ghosts'
- 15 (b) S (from Eng "white Mary") (c) PA bonyah, see 2 (d) CC [nɛli]
- 16 (b) PA see 14 (c) PC limbeenjargolong 'ghosts' (limbeen occurs as a separate word in Palmer 1883a:29). The name may be Limpintja, locative of limpiyn 'bark', kuluyn demonstrative, i.e. 'that one in/under the bark'. Compare Warluiwarra bandungurlu 'devil', literally 'from the butt of the tree'), An thoio-onga-goola 'evil spirit' (d) R tül-lö-ün 'Rainbow Serpent', lüm-bü-jâ-koo-ün 'spirit that haunts graves', Tën-qü-â-goo-lün, Tengulagulan (RB) 'spirit that teaches the manganibunga [see 13]', Mō-kî-pî-ung-ō, mokipiango (RB) 'man-eating nature-spirit', Dî-püng-ün-yă (Dî- in index), Daipanganya (RB) 'spirit that causes insanity', RB Malkari 'spirit that kills blacks', MM see 14 (f) Ar Wongäringe 'God', Dibir 'demon', Mandja 'good spirit' (= 'good', M20), D Boongardoo 'name of Creator', Geevoorevolo name of a spirit (?), Tu Bungerdoo or Bun-ger-duh 'the Being who taught their [i.e. the Aborigines] ancestors'

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Munumara	Mayi-Kutuna
Bl 7	<i>personal names</i> (see opposite for details)	†japun	renditja panggariyn ?	yulikiri puRaNGaNi	kalpakaipa katji	IuRuIuRu
				wamaTa		katji pumaRa
18	<i>tabooing of name of dead person</i>				(thamarrka) (kundhulkundhul)	
C I	<i>mother</i>	yimba	yakurra	yakurra	miRa-	(miRaka) (kuyun ?)
				yimba		

- B17 (a) Cherry O'Keeffe's name, after the place where she was born, on Cambridge Downs, north of Richmond. (b) M [rentiitya], Bob McIllop's name; PA Plungreen, an informant of Palmer's, said to mean 'fast runner'. (c) PC Yulegerri, Palmer's informant; B Burungani, Burrongoo, Burrongoo, Bates' informant. (d) Mac Kulpa-kulpa, Kache (males), Luro-luro, Wammutta, Kachebowmurra (females)
- 18 M, when asked what you say when a man dies and you can't use his name: "tamarika; no name; just call him some other thing like kuntulkuntul or something like that. That mean say, don't mention the name, that's the sorrow." tamarika was accepted by O, who translated it "Don't name him".
- C The following abbreviations for kinship terms are used in the notes to this section of the vocabulary: M mother, F father, B brother, Z sister, S son, D daughter, C child, H husband, W wife, -L in-law, e elder, y younger, m male speaker, f female speaker. Thus, for example, FZ is father's sister, SWF is son's wife as called by a female.
- I Note that, in most Australian languages, the kinship term translated as 'mother' also means MZ, MMZD and certain other categories. Similarly, F includes FB, etc. (b) M, O yimpa, S yakura, PA yakoro and see 23, WH yakorah, H yakora, OH yakura (c) R yă-kō-ră, P yakoroo, yakoro, An yagoora, MC yag-e-roo (d) R mĕ-ră-gă, Mac mirako, MM meerala, PH meraggi (?), H meragi (e) R mĕ-ră; WH mirrer, H mirier, cf. 4 (f) Ar mujoo (cf. 3 (b) and (c)), EC koo-youn, L miraga adEM

		a	b	c	d	e	f
		Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
C2	<i>mother's brother</i>	ngamari	ngamirn	ngamirn	ngamirn	kana	
3	<i>father</i>	yathu	mutju	mutju(R)	yathu	yathu	(kumala) (yathu)
4	<i>father's sister</i>	kandhurn	kandhurn	kandhurn (tuRin)	kandhurn	kandhurn (kungi)	
5	<i>mother's mother/ reciprocal</i>	kamin	kamin	kamin	kamin	kamin	
6	<i>mother's father/ reciprocal</i>	pupu	pupu	pupu (wirurr) (tjatji)	pupu	(TiNambuRu)	(mandjiya)
7	<i>father's mother/ reciprocal</i>	papin	papin	papin (kalirr) (tjatji)	papin	papin	papin

- C2 Since FB is called F (see 1) a term translated 'uncle' would normally mean MB (also MMS, etc.).
- (b) M, S [ŋami(r)ŋ], PA see 3 (c) R nǔm-mñ, PA see 3, B ngaman, see also 16, 20, 21
 (d) R üm-mñ, PH ammin, see also 7, 9, 13, 21 (e) R kâ-nă, cf. Gangulu gana and see 20
- 3 See 1. (b) M, S yatu, O, OH mutyu, PA moocho; ngammin 'father's brother', cf. 2, WH mootchon (?), H mootchou (c) R moo-jō, PA moochore, see 7, 8, 24, ngammin 'uncle (father's brother)', PC moocho, An mojure, MC mudjo, B muju (d) R yǖt-fo, Mac yato, MM yadthoo, PH yatho, yatho (This is followed by an unnumbered item which looks like ki ar bipri. There is no indication of its meaning.), H yathi (e) R yǖd-dō, WH yattho, H yatho (f) Ar kumalā, see 32 and 1; EC war-in-gu, see 13, L yadoo
- 4 (b) M, S; P boolon, see 8; WH yakorah, H yakora, see 1 (c) R kün-doon, PA thoo rin 'aunt (FZ)', B müjū 'aunt (FZ_m)' but see 3 (d) R kün-doon, LM kantun 'cousin'; PH konchine, H konthone, see 20 (e) R koong-í, see 12, LM kantun 'mother-in-law'; WH mirrier, H mirrier, see 1
- 5 (b) M kamin 'MM'; S yakura kirir 'MM', cf. 1, PA see 7 (c) R güm-mñ 'MM', 'SD' (d) R küm-mñ 'MM', 'SD', PH see 9 (e) R küm-mñ 'SD'
- 6 (b) M tijatí 'FF', 'FM', 'MF', see 7, 8, S wirur 'MF', PA see 8 (c) R bō-bō (d) R tñn-'núm-boo-roo (e) R mñn-jē-á
- 7 (b) M see 6, S, PA kommin 'FM' (see 5) and see 8; WH buijuman, H budguman, 'HM', see 12 (c) R pă-pñ; PA mootcho thoongo 'FM', see 24 (d) R pâ-pñ; PH ammin 'FM', see 2 (e) R pâ-pñ; WH yattho, H yatho 'FM', see 3

	a	b	c	d	e	f
Ngawun	May i -Kulan	May i -Yap i	May i -Thakurti	Wunumara	May i -Kutuna	
C8 <i>father's father/ reciprocal</i>	pulun (pulun) (†jatji)	pulun	pulun	pulun		
9 <i>elder sister</i>	ngatjiri	kulamu	muNa	muNa	ku lakaLa	
			(ku lamu)			
10 <i>younger sister</i>				(thuRuku)	(wamba)	
11 <i>elder brother</i>	ngapuyu	ngapun	ngapun	yapa	ngapun	
					thapu	
12 <i>younger brother</i>	(patjamun)	(patjamun)	patjamun	patjamun	puKa	
					pukal	(kung i ?)

- C8 (b) M see 6; S kalkutuŋ yātu 'FF', cf. 3; PA boobo-boobbin 'FF', presumably a combination of pupu (see 6) and papin (see 7), see also 4 (c) R boo-loon; PA mootchoo 'FF', see 3 (d) R poo-lūl 'SS', LM pulun 'grandfather', PH see 11 (e) R poo-lūl 'SS'
- 9 (a) 'Z' (b) M kulama, O, S kulamu, PA kool-amoo, 'Z', WH coolamoo, H koolamoo (c) R koo-lā-mō, P kool-amoo, koolamu, An coobamoo (misr.), 'Z', MC kool-a-moo; B gūramu, goolamoo, 'Z', (d) R moo-nā; Mac murno, MM moona, 'Z'; PH commin, see 5, 10, 17, ammin 'FBDF' (which would be expected to be covered by the same terms as Z, since FB = F, cf. 1, 13), note also nun-a (muna ?) unglossed (e) R moo-nā, WH moonar, H moona (f) EC ny-yill-eey, see 14, L koolakal la 'all sisters'. See also 13.
- 10 (c) PC bichamon, cf. 12 and note that in many lgs 'yB' and 'yz' are covered by the same term (d) R too-rō-gō, cf. 15; PH moona, see 9 (e) WH wombah, H womba, cf. KI wampa 'gizl'
- 11 All given as 'B' except where noted. (b) M, S; O napuyu, PA ngabone; koolamoo 'eB', see 9, WH ngarpoon, H ngapoon (c) R nā-boon 'eB'; PA batch i moon 'eB', see 12, ngahbone, PC ngabone 'eB', An ngaboon, MC see 12, B ngabun, ngabburn (d) R nā-boon 'eB', MM arboon; PH boolan 'eB', but see 8, and ngab-bun unglossed (e) R yūb-bă, WH yappar, H yappa, 'eB' (f) SL tana, cf. 16 (b), 30, EM tapu, EC na-boor 'eB'; L kadgakoora 'all brothers', cf. KI katyakulu 'small'. See also 13
- 12 (a) accepted as 'B' (b) WH, H, see 7 (c) R bā-jā-mōn, PA see 11 and 14, PC bichamon; MC nga-boor, see 11; B yabbai 'eree 'youngest B', see B5 (d) R boo-gǔl, PH bitch i mun, H bitchi-im (or bitchi-un ?) (e) R bō-gā; WH kungo (given twice - once with first letter illegible and last more like i), H kungo, cf. 4

	a	b	c	d	e	f
Ngawun	Mayi-Kulan	Mayi-Yapi	May i-Thakurti	Wunumara	May i-Kutuna	
C13 <i>mother's brother's child, father's sister's child</i>	waringu	waringu	(maringu)	(maringu)		
14 <i>child (female speaking), sister's child</i>	(ngayal)	ngayal	ngayal	ngayal	ngayala	
15 <i>child (male speaking), brother's child</i>	nganban	nganban	nganban	nganban	nganban	

- ⁸ C13 It is assumed that the Mayi languages followed the common Australian system in which parallel cousins (FBC, MZC) were called B or Z, as appropriate, while cross cousins (FZC, MBC) were called by a term which might be translated as 'cousin'. Cf. I. Note, however, that a number of items here are translated, in effect, 'parallel cousin' (b) M 'cousin', cf. B2, S waringu 'cousin'
 (d) PH marringo, 'FBSm'; PH ngy all, H ngaiiale 'FB_{Dm}, MZ_{Dm}, FZSm', see 14; PH ngyal, H ngaiiale, 'FZDm'; PH boolon, not included by H, 'FB_{Sf}', see 8; PH ammin 'FB_{Df}', see 2; PH ngy al, not included by H, unglossed but possibly 'MZDf', see 14 (e) WH murringo, H wurringo, 'FB_{Sf}, FB_{Df}', 14 (a) meaning not clear (b) M [t̪iŋkanini] (cf. Bd dilgi, Marrgayn and Gunya didgi 'Sm, BS'), PA nglial 'niece', WH see B9 (c) R nī-ūl 'nephew', 'niece'; PA bitech a moon (misr. bitch a moon) 'nephew', see 12; gooth a thoo 'niece', see B10 (d) R nī-ūl 'niece', 'nephew', PH see 13 (e) R too-ūn-nī 'niece', 'nephew', cf. duwana 'S(j:)'; in Southern Mari dialects (f) Tu n̄hi-i-l-ah 'emu young', and note that in Kk the cognate word n̄iyələ means 'ZC', 'Cf' and also 'chick', 15 (b) PA ngumbun 'nephew, S, D', S yanpan 'son'; WH kerringor, H kerringa, 'Sm', see B5; WH mungine 'Dm', see B8 (c) R nūn-būn 'S, D', PA bin jammo 'S' (sic, see K2 'sun'), ngum-bān 'D'; An cooyearee 'S', see B7; munguine 'D', see B8 (d) R ūn-būn 'S, D, BS, BD', PH goy very 'Sm', also goy yerry, unglossed, see B7; thoo-ro-go 'Dm', cf. 10 (e) R kă-tă-gō; see B9; WH kooery 'Sm', see B7; WH mungine, H wungine, 'Dm', see B8

	a	b	c	d	e	f
C16	<i>wife, sister-in-law</i>	Ngawun	May i-Kulan	May i-Yapi	May i-Thakurti	Wunumara
		ngurrjin	(thaNanda)			May i-Kutuna
17	<i>husband, brother-in-law</i>	tjaliyn	mula	tjaliyn	tjaliyn	
			(mula)			
18	<i>spouse</i>	ngathiya	(ngila)	ngathiya	ngathiya	ngathiya
19	<i>mother-in-Law /reciprocal</i>			mami	wapuTu	
				(thalarra)	mami	
					(panggukuNiN)	
20	<i>man's father-in-Law (/reciprocal ?)</i>		(thalarra)	(ngamirn)	(ngamirn)	kaNa
						kumi ?

- C16 (a) '*W'*; also *ŋatiya* accepted as '*W'*, see 18
 H bunyā, '*W'*, see B2 (c) P ngathea '*W'*, see 18; An ngaddear '*W'*, see 18, 27; B ngajia, *ngaria*, '*W'*, see 17, 18; ngammern '*W'*, see 2 (d) R *pün-yă*, Mac bunya, '*W'*, see B2; R *nüt-tē-ă*'*Z-L'*, see 18; MM narthia, '*W'*, PH ngathiar, H ngathia, '*W*', *Bñm'*, see 18; WH moona '*WZ'*, see 9; charlin '*HZ'*, see 17 (e) R *nüt-tē-ă*'*Z-L'*, see 18; WH bunyāh, H bunya, '*W'*, see B2; WH ut the yah, H ut-thia, utthia, '*Bñm*', *HZ'*, see 18
- 17 (a) tyaliny '*H'*, mula accepted as '*B-L'*; *ŋatiya* accepted as '*H'*, see 16, 18 (b) M mula '*B-L'*; PA ngathea '*H'*, see 18 (c) PA bunjii '*H'*, see B1; B ngajia '*H'*, see 16, 18; ngabbung '*H'*, see 11; banji '*B-L'*, see note to (g) (d) R *pün-ji*'*H*', see B1; châ-*lín*'*B-L'*; MM narthia '*H'*, PH ngu thia, H ngathia, '*H'*, see 16, 18; PH kool a mo, H koolamo, '*WB'*, see 9; PH ngab-bun, unglossed, possibly intended as '*HB*' but see 11 (e) R châ-*lín*'*B-L'*; WH ut the yah '*H*', *WB'*, H ut-thia '*H'*, ut thia '*WB'*, see 18 (g) panyiyi '*H'* (probably from Pidgin benjy ~ benjyman from Eng. fancy man = husband)
- 18 (a) (c) (d) (e) see 16, 17 (b) M (doubtful) (d) See also 20
- 19 (c) R *mǔm-mñ*; B tchalarma, cf. 20; both '*M-L'* (d) R *wōp-poo-tō*'*M-Lm*, *M-Lf*, *S-Lf*, *D-Lf'*; PH bobbin '*WM'*, see 7; PH mum-my, H mammy, '*HM'*, see 20; PH bungkokon in '*SWf'*, cf. B 6(a); PH yaberirie, H yaberine, '*DHf'*, see B5
- 20 (b) M [*talərma*] '*F-L'*, a0 as '*uncle*', cf. 19, 21 (c) B ngamin '*F-L'*, see 2, 16, 21 (d) R *ñm-mñ*'*F-Lm'*, see 2, 21; PH kurthine (?), H kunthone, '*WF'*, see 4; PH nga-thiar, H ngathia, '*SM*', see 18; PH mam-my, unglossed and not included by H, but presumably '*DHM'*, see 19 (e) R *kâ-nă*'*F-Lm'*, see 2; PH kume (?) '*WF'*, not included by H

	a	b	c	d	e	f
C21	Ngawun <i>woman's father-in-law /reciprocal</i>	Mayi-Kulan (thalarma)	Mayi-Yapi (ngamirn)	Mayi-Thakurti (ngamirn)	Wunumara maNDayiRi (ngamirn)	Mayi-Kutuna makuTu
22	<i>relationship between husband's and wife's mothers</i>					
23	<i>motherless</i>	yakurrathungu	waNDalpu			
24	<i>fatherless</i>	kunyaNGu	mutjuthungu			
25	<i>widow</i>	mindhara	kumi lpu			
26	<i>widower</i>	mindhara	waR(V)kumi lpu			
27	<i>unmarried girl</i>	mindhara	ngathiyaThungu			
28	<i>unmarried man</i>	mindhara	panyakala			
29	<i>one whose child is dead</i>	kuthu mutjan				
30	<i>one whose sister is dead</i>	thana mutjVC(V) miR(V)paN				
31	<i>names of moieties</i>	wuthurru maLaRa	wuthurru parrkatha	wuthurru parrkatha	wuthurru parrkatha	

- C2 | (b) M see 20 (c) B see 20 (d) R mǔn-'¹dā-r̥y 'F-Lf, D-Lm'; PH ammin 'HF', see 2
- 22 (d) R mâ-koo-dō
- 23 (b) P yakor thoongo (according to 0, -tunu means 'lost'; this fits here and in 24 but not in 27), cf. I (c) PA wandalbo
- 24 (b) PA goonyungo (c) PA mootche-thoongo, cf. 3 and see note to 23
- 25 (b) M 'bachelor', accepted as 'spinster', PA mintherah (c) PA koom-i lbo
- 26 (b) M see 25, PA mondurah (c) PA warrego-mi lbo
- 27 (b) M see 25. (c) PA ngathaea-thoongo, cf. 18 and see note to 23
- 28 (b) M see 25. (c) PA bunyah-kulla (literally 'woman-lacking')
- 29 (b) PA goitho moochon, cf. B10 and UI5; kututu may have been intended or alternatively kututu may be a plural. Note also PH gu-tho, unglossed.
- 30 (b) PA thanna mootchere mirreban, cf. II(f), 16(b), UI5
- 31 (a) Sharp Wutaru, Malara (c) R woo-dă-roo, pâ-küf-tă; according to Sharp (1939:449) there were no named moieties and Roth's information probably applies only to southern members of the tribe, in contact with the MT (d) R oo-tă-roo, pâ-küf-tă, Sharp Wutaru, Parkada (e) R woo-dă-roo, pâ-küf-tă, Sharp Utara, Parkada. Compare Bd clans wuduru and yañuru and moieties bumbira and magula.

	a	b	c	d	e	f
Ngawun	May i-Kulan	May i-Yapi	May i-Thakurti	Wunumara	May i-Kutuna	
C32	<i>names of sections</i>	<u>Male</u>			<u>Male</u>	
kupuru	pathingu	pathingu	as for Ng	as for Ng	maRingumu (?)	
wunku	+jimaLingu	+jimiLingu			wapurruu (?)	
kurrikila	yuwingu	kuthamangu			kumala	
panbari	maRingu	yuwingu			marrkingumu (?)	
	<u>Female</u>			<u>Female</u>		
kapuRungu	maRingu;			mandjinguu		
				maRingumu		
ngaRaNnungu	alternativey,			marrkingumu (?)		
				+jimilimu (?)		
mandjingu	as for Ng			alternatively,		
kuthamangu				as for Ng;		
				alternatively,		
D1	spear	kunggun	kunggun	kunggun	thapun	
2	war spear, spatulate tip hand spear	(thapun)	kalika	+jika	kalika	
3	reed spear		(pundjapi)	+jInipaRi	yirakala	+jiNiPaRi
					thapun	
					Ni ndjaRi	
					piItjayi	
					Tapara	

- C32 (a) Sharp Kuparu, Kurkila, Wunggu, Banbari; Mathews (1899) gives for "Nahwangan" the names Arenia, Arara, Loora, Arrawonga but these are clearly not Ngawun names (b) PA marringo, goothamungo, yowingo, munjingo, bathingo, carburungo, jimalingo (once misprinted i'malingo), ngaran-ngungo; Sharp as (a) (c) R bă-dřng-ō, jím-mí-'lřng-ō, you-řng-ō; mär-řng-ō; PC marringo, goothamungo; B gubernu, woongu, gurgila, bunburi; Sharp as (a) (d) and (e) R koo-poo-roo, woong-kō, koor-kři-lă, bün-břr-ř; Sharp as (a) (f) PA "On the Leichhardt River jimalingo is represented by wootheroo" (but see 31); Tu mar-i-nu-moo, mun-ging-oo-moo, wah-bud-moo, coo-mah-lah (see 3), mar-ging-nu-moo, chim-il-im-oo; Sharp as (a). Compare Bd sections guburu, wungu, gurgila, ganbayi. It appears that this nomenclature has spread even since white settlement.
- D1 (a) t̄apun accepted (b) M, O, S, kunjunkun, (S also kunkun), PA goongon; K kalkka (Pama lgs but see 40(e)) (c) PA goongon, PC see 2, MC see 2; B jabun 'spear, generic term', jā'bun 'spear', cf. 3 (d) R koon-gün; MM koonjul 'wood spear', see note to BI, Du congoon, LM +yilka (e) R tâ-boon, cf. 3 and see 40 (f) SL kunjunkun, aEM, T 'kongon, Ar see 2, EC see 3, L see 3, Tu goon-goon (g) kunjunkun
- 2 See also 1 and 3. The second gloss is given only by R(e). (c) PC koong-koon; An boonjabbee, probably a misunderstanding, means 'fighting', see Q3, MC kon-goon (d) R ē-ră-kă-lă, jř-nř-břr-ř, Mac t̄innepure (f) Ar kungoon, EC chin-do-verri, L deenibarri
- 3 See also 1 and 2. (c) An neenjerry, MC piljai (d) R tâ-poon 'spear used with shell woomera...', Mac tapouin (f) Ar tabarra, EC, L koongoon

	a	b	c	d	e	f
D4	<i>short fighting spear</i>	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara
5	<i>fishing spear</i>		yalathan(d)ha	yalathan(d)ha		+jalpari (?)
6	<i>hunting spear</i>				wulkuku	(+jimani)
See also items D48 to 53						
7	<i>womena</i>	yulman	yulman	yulman	yulman	ngalika
8	<i>boomerang</i>	yalkapari	yalkapari	yalkapari	pVLiTaRu	yalkapari
See also items D54 to 59				mirikamu		
9	<i>nulla-nulla</i>	mirru	thambala	thambala	maRu	mirru
		(thambala)				
10	<i>toy throwing stick</i>		tjimburu		tjimbatu	
11	<i>fighting stick</i>		thalimbirri	thalimbirri	thalimbirri	thalimbirri
12	<i>two-handed club</i>				(miRaLu)	parrku

- D4 (f) BL, not clear
- 5 (b) PA yalla thunna (c) FC yalla thuntha (f) SL
- 6 (f) SL (doubtful)
- 7 (b) M, S (c) PC yuleman, An uleman, MC yule-man (d) R ūl-mūn, Mac youlmon, LM yulman
 (e) R ūl-mūn (f) SL yulman, EM jalika, T 'jaliga, Ar eurman, EC youl-man, L yeilman, Tu yal-mun
- 8 (b) M, O, S, K, PA yalkerberry (c) P yalker berry, mirry kammo, An elgoberre, B jalguber,
 jalguberi (d) R yūl-kā-bā-rī, Mac yellakurre, MM kalkarboey (mistake?), Du yalcaberry
 (e) R bīl-dā-rō (f) N, SL, EM, T 'jalkabari; L moora, see 9
- 9 (a) miru had a big round head, used for fighting; tampala same as miru and may be the MKI word
 for miru (b) PA thambullo; S talimpiri, see 11 (c) PA thamballah (d) R mā-rō, maro,
 'throwing stick', RB ma-ro '*nulla-nulla*' (f) SL miru, EM miru, T mero 'play stick', L see 8.
- 10 (a) ^ty impuru made of light wood, used for fun (d) R jīm-bā-dō, RB jim-ba-do 'small toy throwing
 stick'. Cf. Kl ^tympala 'type of implement', 'need'.
- 11 (b) M [talampiri] 'fighting pole', S see 9, K 'fighting stick' (c) B jalamberi, jalumberi
 (d) R tāl-ūm-bē-rī 'fighting pole' (e) R tāl-ūm-bē-rī 'fighting pole' (f) N, EM, SL
 'fighting stick'
- 12 (d) MM miraloo 'club' (f) T baruku 'two-handed club', cf. !7(c) (g) parku

		a	b	c	d	e	f
DI 3	<i>shield</i>	Ngawun yamburu	May i-Kulan yamburu	May i-Yapi yamburu	May i-Thakurti mitharr kunbarra	Wunumara kunbarra	May i-Kutuna yamburu walandja (mitharr)
14	<i>axe, tomahawk</i>	pinggiyn	marriya †jukTuNGa pinggiyn (pa Ku) (ka Kirr)	marriya †jukuTunGa	marriya	marriya kalpu	marriya kaTupuna
15	<i>knife</i> See also items D60-65	kankari	kankari pi paRu (†Jarrirr)	kankari kuya	kankari kuya	kankari	kankari
16	<i>gun</i>	pulipuli	pulipuli kulumburu	pulipuli	pulipuli		
17	<i>yamstick</i>		larrku (thandhi)	(parika)	thandhi	katjala	
18	<i>coolamon, canoe</i>		nhanggurr (yurrku) (ngumburr)	nhanggurr pimba	nhanggurr	TaTa	
19	<i>carvings on coolamon, shield and woomera</i>						mulkul
20	<i>bark vessel</i>					waRaka	
21	<i>dilly bag</i>		kunyakunya	puyaN (kakirr)	kunyakunya	kunyakunya	

- D13 (b) PA yamboro (c) P yamboro, An yambooro (d) R mī-tā, MM goonbarra (e) R koon-bă-ră
 (f) SL yampuru, aEM, T 'jambur, Ar wällauja (misr, u=n?), L metir, Tu wahl-und-gah. Cf. PP etc.
 kunpara, Kl mitar
- 14 (b) M [mariyə], PA jookah doongah 'tomahawk', juko doongah 'axe', S kalkir, K pinkinY, palku
 (cf. 12) (c) PA juko doongah 'axe', marreah 'tomahawk', PC marrea 'tomahawk', An chookledoonga
 'tomahawk', MC marlba 'tomahawk' (d) Mac murria, MM maree, Du mavriah (misr.) (f) SL, Ar
 marrēa, EC ma-re-a, L marrēe, Tu gar-duh-bun-ah
- 15 (b) M, O, K kankari, S t̄yarir, PA beełbarro (d) R küng-gă-rī 'stone knife', kanggari 'core
 stone for flaking', also (RB) 'knife', RB kuya 'stone knife' (see Roth 1903:37); MM mindee
 'stone knife', see K36 'stone' (e) R kül-bō (f) SL (g) kankari
- 16 (b) M pulipuli 'rifle', PA kooloomboro (c) PA bułly-bully
- 17 (b) PA largo, S t̄anti (c) PA bargah, cf. 12 (d) R t̄än-dę (f) SL, aEM
- 18 (a) 'coolamon' (b) S yurku 'coolamon', PA ngunkore 'canoe', ngoombore 'water-coolamon'
 (c) PA beembah 'canoe', cf. J3 'bark', ngoon gore 'coolamon', PC nungkore 'canoe', (d) RB nangkur
 'coolamon', MM nangool 'canoe' (f) Tu t̄ah-tah 'coolamon'
- 19 (f) Tu morl-gori
- 20 (d) R wă-ră-kă 'bark envelope or receptacle'
- 21 (b) S kakir, cf. E19 (d) R 'koon-yă' koon-yă 'grass dilly bags' (e) R koon-yă koon-yă

	a	b	c	d	e	f
D22	string	Ngawun	May-i-Kulan	May-i-Yapi	May-i-Thakurti	May-i-Kutuna
23	knot (?)		(ngali ngu)	walkurr		wa kurr
24	fishing net (large)					
25	fishing net (small)					
26	net for birds					
27	fish poison					
28	blanket, covering					
29	possum-skin phallocrypt					
30	strap	tungala	Tungga			
31	hair belt					
32	possum-fur belt					
33	shell chest ornament					
34	tattoo on body					
	See also items D66 to 78					
35	spinifex wax					
36	initiation ceremony					
37	totem	pikayn	pikayn	pikayn	pikayn	+junguRa

- D22 (c) An walgoor (d) R wūl-koor, RB walkur, given as the name of the string used as part of the death-bone apparatus, see 40 (f) T 'walkur
- 23 (b) M, doubtful
- 24 (b) PA moonah; K kankari, cf. 15 (c) PA moonah (d) R moo-nă, mu-na, big, with rigid frame (e) R moo-nă
- 25 (d) R bīl-līn-yă, billinya, small, with folding frame (e) R bīl-līn-yă
- 26 (d) R mokwari, possibly not MT, cf. Kl mukuwari 'net'
- 27 (f) T 'djirin'iri, cf. K48
- 29 (b) M (d) R tōong-gă, RB tungga
- 30 (b) M, meaning doubtful
- 31 (b) S (d) R ū-rō-dō, RB u-rodo 'human hair belt', cf. Kl yurutu
- 32 (d) R moon-dō-lō, RB mun-dolo, 'possum-rope waist belt'
- 33 (d) R chē-kă-ră, RB chikara (f) R as (e). Cf. Kl +yikara
- 34 (f) Tu mun-deegu, cf. A73
- 35 (f) T 'tonguru
- 36 (f) T 'erale
- 37 All Sharp, pikain, djunjkura. Same as 'dream' (N4)

		a	b	c	d	e	f
D38	<i>corroboree, song</i>	Ngāwun	Mayi-Kulan	Mayi-Yapi	Mayi- <i>Thakurti</i>	Wunumara	Mayi-Kutuna
39	<i>bullroarer</i>	warrma	warrma	kaRumbiNGu	yathan		
40	<i>death bone apparatus</i>						
41	<i>pointer (part of 40)</i>	mupuLa					
42	<i>receptacle (part of 40)</i>						
43	<i>bone for charming</i>			maRu			
44	<i>lasso for roping sleeping man to get kidney fat</i>			+jiku			
45	<i>death by invisible spear</i>			wiNGu			
					pitjaRa		
See also items D79 to 85							
46	<i>letter stick</i>				+jakun		
47	<i>speech, language</i>	mayi	mayi		(mayi)	(mayi)	(mayi)

- D38 (a) 'song' (b) M warma, PA yadthan, 'corroboree', K malkari 'singing' (Pama lgs.)
 (c) PA karrum bingo 'corroboree' (d) Du yadthan 'corroboree',
- 39 (b) PA mobolah 'hamming stick' (d) R p̄i-r̄i p̄i-r̄i, cf. Kl piripiri
- 40 (b) PA thimmool, see A68 'bone' (d) R müng-ün-i, RB mangani (also mangai), 'death bone as a whole', cf. PP manganî, see also B13, D22 (e) R kūl-kâ, RB kalka (also given as 'spear', see 1)
- 41 (d) R kă-tę-br̄-nă, RB katebrîna, cf. A61, D97
- 42 (d) R wō-b̄t̄l, RB wob̄l
- 43 (b) M t̄jiku 'pointing the bone' (doubtful), PA marro (d) R jē-gō, ji-go 'bone pin, for producing sickness', cf. Kl tyiriku 'bone' (which, as Blake, p.c., points out, may have had a variant tyiiku)
- 44 (b) PA wingo
- 45 (b) PA beecharral
- 46 (c) PC jakkoon (d) R kooł-bō, cf. Kurrtjarr ku:łβ
- 47 (b) M, also in language name (c) (d) (f) in language name (c) B maimira 'speech, talk, to speak', cf. T 4, 5

The following items, D48 to 85, are attested only for Mayi-Thakurti (Roth) and the arrangement used elsewhere is therefore suspended. The order in each entry is: attempted phonemicisation; Roth's spelling; English translation and notes.

D48	lipitjaRa	l̄i-b̄i-jâ-rā	heavy, long reed spear
49	mapaNa	mă-bă-nă	as 48, but thicker and longer
50	kitjuma	k̄i-tū-mă	as 48, but smaller and lighter
51	tjaLuN	jâ-loon	as 50 (possibly misreading of jâ-boon, cf. I, 3)
52	yanbara	yūn-bă-ră	reed spear used with quartz-tipped woomera by Northern Mayi-Thakurti
53	pVRi l̄tja	pr̄i l̄-jă	hook, barb on spear
54	piyaynbuna	pē-'ěng-boo-nă	comeback boomerang (cf. -puna 'having')
55	patjara	pă-jĕ-ră	plain gidgea boomerang; actually means gidgea (J13)
56	rukuRupuna	rō-kō-rō-boo-nă	ornate boomerang (rokoro 'claw mark, scratch', -puna 'having')
57	kutangarra	koo-'lūng-ă-ră	women's fighting stick (cf. Kl kulajara 'yamstick')
58	mindju	m̄n-jō	toy throwing stick, larger than 10
59	kANDikaNDi	'kūn-d̄' kūn-d̄	toy throwing stick, strongly bent

D60	kumbatha	koon-pâ-tă kumpata (RB)	chisel, adze (cf. Kl kumpata, PP kumpata)
61	kambu	kümbö kambo (RB)	flint flake, used in chisel, or "rather, a flint flake before being made into a knife proper"
62	ngulan	ō-lün	scrap of iron ground to take the place of the flint flake (Kumbo) in the chisel; also used sometimes as a name for the chisel (see 60 and 61, and cf. Al5, 'tongue')
63	kuwirla	koo-ë-lä ku-i-la (RB)	grinding stone (the one with which the rubbing is done) (cf. Kl kuwila)
64	yangandaRa	yëng-ü-n-dă-ră	white quartz stone used as barbs on the 'yunbara' spear (see 52)
65	wamatjimandji	wöm-mă-jî-'mün-jî	bluish (copper?) stone
66	TuriTuri	'toorî 'too-rî turi turi (RB)	skipping rope (Northern Mayi-Thakurti and Kl at Grenada)
67	mirimirri	'miri-rî 'miri-rî miri-miri (RB)	forehead net (cf. Kl mirimiriri 'nyaree', miri 'summit')
68	tjapu	châ-bô chabo (RB)	ornamental fillet made of possum string (or sometimes of rock wallaby hair)
69	wäpulara	ünpoo-lâ-ră, wöp-poo-lâ-ră, woppulara (RB)	head circlet of possum string

D70	kalku	kǔl̪-gō ka lgo (RB)	spiral band (head ornament), of possum skin
71	kunyupa	kō-nū-pā konupa (RB)	"grass reed bugle necklace" (also Kl, PP)
72	miTami ku	m̪̄-t̪̄-'m̪̄-kō mittamiko (RB)	possum string necklace (also Kl)
73	†jama l	j̪̄m̪̄-m̪̄l̪̄ jamma l (RB)	single possum string armlet
74	malyirri	m̪̄l̪̄-l̪̄-r̪̄ malyeri (RB)	multiple possum string armlet (cf. Kl malyiri <i>husband!</i>)
75	wanba	w̪̄n-pā wan-pa (RB)	eaglehawk feather, stuck in belt; feather duster-like ornament, cf. Kl wampa ' <i>object resembling a double-ended broom, carried in corroboree,</i> '
76	yarranggal	ȳ̪r̪̄-r̪̄-ḡ̪l̪̄ yirranggal (RB)	hair ornament; two kangaroo teeth stuck together (cf. Al4)
77	waLakutja	w̪̄l̪̄-l̪̄-koo-jā	artificial whiskers (ornament)
78	maNDakuya	m̪̄n-d̪̄-'koo-ē-ā mandakuya (RB)	amulet (a fascile [sic] of emu feathers) (see 15, Q2)
79	y iLaRi	γ̪̄-l̪̄-r̪̄	palisading for initiation
80	†j̪̄l̪̄pi	j̪̄l̪̄-b̪̄ jilbi (RB)	green room, i.e. dressing shed for corroborees

D81	pi kapara	p̄-kă-bür-ră pi kabara (RB)	filled possum-skin pillow for rhythm-making	
82	mawarr	mou-ār mau-ar (RB)	white powder used for magical killing	
83	manggili	măng-gi-lî manggilli (RB)	reddish powder used for magical killing	
84	?	kĕn-jă-lă nŭn-ār-gō	wĕng-qŭn-măl-ī kōn-gō an initiation song (cf. J4)	kŭng-qō kou-â măl-ī păl-wōl-lă wā-tă
85	?	p̄-rî-pîrr...rrou	cry at daylight (cf. 39)	

		a	b	c	d	e	f
D86	<i>camp</i>	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
		ngurra	rgurra	makiya (purnga or purnka)	makiya		makiya
87	<i>humpy, hut, house</i>	kupu	ngamban kupu	kupu	yinbarr		
		(kanya)				yamban or yanban	
						kupu (ngambi) (kundi)	
88	<i>framework of hut</i>				ta(yi)ii		
89	<i>windbreak</i>		kaya				
90	<i>neststick</i>		thurrku				
91	<i>fire</i>		yakan	yangu	yangu	payu (yangu)	(puyuka)
				yakan (pundju)			
92	<i>kindling wood</i>				thurralu		
93	<i>hot coals</i>		yakanbuna		yakan		
94	<i>charcoal</i>	mipil				(marrjin)	

- D86 See also K34 'ground' (b) PA ngoorah 'land', S 'ground, camp', K yamba (Mari lgs.) (c) PC muggeer 'ground, camp', An boornga; MC wunjil-bo, see N3 'lie, sleep' (d) LM makiyan+yal (locative?), Mac mukkeo 'camp, ground', MM magier (f) aEM makiya, T magia 'ground, camp', Ar magi, EC mag-gi, L maggea
- 87 (a) Usually kupu; kanya presumably from another Aboriginal lg. via Eng. (b) M ηampān, O kupu, PA coobo (c) PA goobo (d) R, RB yin-bur, MM yinbar (f) N yampa(n), possibly a confusion of ηampān (see (b)) or yanpan and yampa (Mari lgs.), kupu, EM yanpan, ηampān, SL kunti (a widespread word, certainly borrowed)
- 88 (d) R tā-lī 'hat-scaffolding' (see Roth 1897: 107)
- 90 (a) Also the name of the tree from which the stick is obtained, see J29 (b) M
- 91 (b) M, S yanu, O yakān, K puri (Mari), yakān, puny+yu, OH yanu (also 'match') (c) PA see M23, FC, An yango, MC yang-oo, B yangu (d) R yūng-ō, Mac yangour, Du yango, LM yanu (e) R pī-yō, LM yanu (f) N yanu, aEM, SL puyuka 'fire', yanu 'flame', T 'jño, Ar yangoo, EC yan-ou, D yangoo; L yangoo eekala, cf. JI 'wood', Tu yangoon, yangoo (g) yanu
- 92 (b) M
- 93 (a) cf. 91, -puna 'having' (b) OH
- 94 (b) OH, cf. MI 'black'

		a	b	c	d	e	f
		Ngawun	May i -ku Lan	May i -Yap i	May i -Thakurti	Wunumara	May i -Kutuna
95	<i>smoke</i>	kumiri	kumiri		nyungalka		kumiri (Tupa)
96	<i>ashes</i>	punaru	thaRlkutu (thulngaru)		yumbalku ?		(makirra)
97	<i>meat</i>	kathi	kathi	kathi	wakarru	wakarru	kathi wakarr i
98	<i>tucker, vegetable food</i>	mandha (paInga)	mandha wuIngu		paInga pathal i ?		paInga mandha piNDaI (yaTI)
99	<i>sugarbag, honey</i>	kunggirr	(kunggirr)		kunggirr		
100	<i>tobacco</i>			muta			muta
101	<i>grog</i>			kamukamu			
E I	<i>animal</i> , see D97						
2	<i>tail</i>			kumbun		TapikuRa	waltha
3	<i>spine, quill</i>			makin			

- D95 (b) M, PA koo-merry, OH kumiri (c) P koomirre, koomeree, An coomera, MC koom-e-ree
 (d) Mac yonbulko, MM yungoollkar, cf. Kuwa nyugalka (Mac's word too could be a mishearing of this)
 (f) aEM [kuməri], T 'Kumiri', Ar tooba, EC koo-mi-ri, L koomiree, Tu see M23 'hot'.
- 96 (b) M tuŋjaru 'dust', see K39 but note Kl tulun 'ashes', OH taliktu (f) SL, aEM, but this word is 'copi' (gypsum), in Southern Mari dialects and in Bularnu.
- 97 Also 'flesh', 'animal' (b) M kat̪i, minyū (? minya, Pama lgs.), S 'beef', 'animal', K yuri
 (Mari), katyi (kat̪i ?), minya (Pama), OH kat̪i 'flesh' (c) PC see 98, An cudde (d), (e) LM
 (f) EM, SL kat̪i, T 'wakari, cf. HI (g) kat̪i
- 98 (a) palnja accepted (b) M wulju, manta, S manta 'bread', K manta, mayi (Pama, etc.)
 (c) PC cudthe 'food', see 97; An pattalge, see U8 'eat' (d) MM putthale 'food', see U8 'eat',
 LM palnja (f) N manta, EM, SL palnja, T 'pindel, Ar yaddii (several meanings given, see M30,
 M31, U8), L yatilibilla
- 99 (a) also 'bee', I 3 (b) O (d) R koong-qâ 'honey', Du coogee 'sugar bag (sweet)'
 100 (b) OH (f) N, EM
- 101 (b) M, cf. M46 'drink'
- E2 (c) An 'tail of an animal', cf. A48 'anus' (d) MM waltha
- 3 cf. 22

	a	b	c	d	e	f
	Ngawun	May i -Kulan	May i -Yap i	May i -Thakurt i	Wunumara	May i -Kutuna
F 4	<i>dog, dingo</i>	yamb i (m i kamu)	yamb i (m i kamu)	yamb i (m i kamu)	yamb i (yambi)	yamb i (yambi)
5	<i>dingo</i>	ngankayn	ngankayn			
6	<i>tame (of dog)</i>			?		
7	<i>male dog</i>			murrkan		
8	<i>slut, bitch</i>		yapuRu	yapuRu	yapuRu	
9	<i>kangaroo</i>	kuru	kuru	munkurungu	munkurungu	mayup i
10	<i>scrub kangaroo</i>	matjumba	ngalano	ngalano	matjumba	mat jumba

- ⁿ E4 (b) all 'dog', M, O, S, K; O also yampinY, S mikamu (Guwa, Yanda; mīkam also once from M, but he corrected it to yampi); yalkany, see 3, PA yumbé and see K9 'Evening Star', OH also 'dingo'
 (c) PA yumbé, PC yambé 'wild dog', mecum caramra 'tame dog', An yambe 'tame dog, wild dog', MC yambe 'tame dog', B yambi 'dingo', yambitch 'dog' (d) R yūm-bě; Mac yambe 'tame dog', MM yambé 'native dog', Du yamba 'dingo' (e) R yūm-bě (f) N yāpal, aEM, T 'jalbal, 'dog', Ar yālba 'tame dog', EM mo-rool, L yalbal 'tame dog, dingo', SL yampi (not sure whether 'dog' or 'dingo') (g) yampi 'tame dog', 'dingo'
- 5 Probably just means 'wild, of animals'; note that many informants give the same word for dog and dingo, see 4 (b) S, see 4
- 6 (c) PC caramra, see 4. May be applicable to any animal.
- 7 May mean 'male animal'. (d) R moor-kún 'the-dog'
- 8 May mean 'female animal'. (b) PA see K10, 'Morning Star', (d) R yūp-poo-rō (e) R yūb-bō-rō
- 9 Red kangaroo, *Megaleia rufa*, and/or grey kangaroo, *Macropus giganteus*, see also 10, 11 (b) M, S, PA korroo, OH matyumpa, see 10 (c) PA matchimbah, see 10, PC ngalana, An kooroo, MC ngulanoo; B ngārgum, nargun, see 11 (d) Mac mongorongo (cf. Kuwa); MM majumba, see 10; Du argooći (misr.), see 11 (e) R à-goon, see 11, LM munkuruju (f) SL, EM matYumpa, T 'madjumba, Ar majumba, see 10; EC my-u-bee; L nargoorn, see 11 (g) nārkun, see 11.
- 10 *Macropus antelopus* (b) OH see 9 (c) PA see 9 (d) R mă-'choom-bă, MM see 9
 (f) SL, EM, T, Ar, see 9

		a	b	c	d	e	f
E11	<i>mountain kangaroo, wallaroo</i>	Ngawun	May i-Kulan	May i-Yapi	May i-Thakurti	Wunumara	May i-Kutuna
12	<i>wallaby</i>			ngarrkun	ngarrkun	ngarrkun	ngarrkun
13	<i>rock wallaby</i>		kayaka lku ?				
14	<i>bandicoot</i>	(+jikal)	mirndingunya wuNi	pikupaRa wuNi	ngalingali	ngalingali	ngalingali
15	<i>kangaroo rat</i>		kuyikarr	+jikal	+jikal	+jikal	+jikal
16	<i>rat</i>		karruka	rarrayn	karruka	karruka	karruka
17	<i>flying fox</i>			+jaNathala			
18	<i>bat</i>		manyimanyi		mungurr		
19	<i>possum</i>		kakuyn	kakuyn (kakirr)	kakuyn	kakuyn	kakuyn
20	<i>sp. of small animal (glider possum ?)</i>				mundjun ?		
21	<i>native cat</i>				+jikata	mirramba	mirramba
						mittipenden	mittipenden

- E11 *Macropus robustus* (c) B see 9 (d) R nâ-koon, Du see 9 (e) R see 9, LM (f) BL bidiriga (Wn), L see 9 (g) see 9
- 12 (b) PA kiakulko; OH tŷikaty, see 15, 21 (f) SL bungina (Wn)
- 13 Probably *Petrogale penicillata* (b) S, Sutton suggests literal translation 'stone dweller', cf. K36 (c) B bigubara (d) R nü-l-ŷn-gă-ŷ (f) SL, EM. Cf. Kl, Wn, Bularnu and others, yatinjali
- 14 (a) Cf. 15 (b) PA woone (c) PA woone, B bigura (e) R pă-kō-ră. Cf. Kk pikere 'sp. of marsupial', Bd bugara 'swamp wallaby'
- 15 (b) PA jiggul, S, OH see 12 (c) PA jiggul
- 16 (a) used rarany but later said it was MKI; karuka given once for 'heron', but later corrected (b) O rarany, PA janna thulla (c) PA karrooga (e) R kă-'roo-kă
- 17 *Pteropus sp.* (b) M kakuny, see 19, OH munjur, PA moongore (c) PA moong ore
- 19 (b) M, OH kakuny, M see also 17; S kakir, cf. D21, PA kogome (misr., prob kogoine) (c) P kogoyne, kogoin, An kooquine, MC kă-goo-in, B kăgoin (d) R kâ-koon, Mac kakooin, MM kargoin (e) R kâ-kō-ŷn, LM mirampa (f) SL katîla, T 'kade:la, Ar kardilla, EC ka-goin, L kardella
- 20 (b) PA moinlune 'squirrel', possibly squirrel glider, *Petaurus norfolkensis*
- 21 *Dasyurus sp.* (b) PA jiqerdah, cf. 12, OH ['metjibendn] 'wild cat'

a	Ngawun	makinbuna	May i-Kulan	May i-Yapi	May i-Thakurti	Wunumara	e	f
E22	porecupine, echidna	makinbuna						
23	horse	yarraman (wananā)	yarraman (wananā)					
24	cattle			yirala ?		kawurti ?		
F1	bind			†jawi				
2	egg		tharndu		tharndu	wiri		
3	feather				kuthi			
4	emu		†jungguparri	†jungguparri	†jungguparri	†jungguparri	kaRitjuRi	
5	plain turkey	thurnga		thurnga	thurnga	(parrkamu	parrkamu	thurnga

- E22 *Tachyglossus aculeatus* (a) Lit. 'spine-possessor', cf. ȝ, makin not known in any other context
 (e) R wɔ̄-jē-nūn, MM wychguine, cf. Kl watyiinaan and may be borrowed
- 23 (b) M [yareman], PA warna,na, cf. Garrwa (c) PA yarramunnah (f) SL
- 24 (d) Du eralla 'bullock' and see BlO (f) Tu gourdi 'cattle', urdi-gurdi 'red cattle',
 oubl-e-gouble 'black cattle'. The last two may mean just 'red' and 'black' respectively and are,
 in fact, remarkably (and suspiciously?) like the Gunggari (Southern Queens land) words ugugidi
 'red' and ubudgubud 'black'. (Turnbull - see 1911:59 - had previously worked on cattle stations
 in Central and Southern Queensland.)

- F1 (b) M
- 2 (b) M, K t̄anku (= 'fat', A7i; probably a mistake) (c) FC thando, An tando, MC d'thando
 (d) Mac wirree (f) SL, EM, T 't̄a:ndu (d = [d]), Ar, L, tando, Tu thuran dhu 'emu egg'
- 3 (b) M (c) An koodee
- 4 *Promatius novaehollandiae* (b) M, K, PA junkerberry and see KlI 'The Coal Sack', (c) P
 junkerberry, An chongoberry, MC d-pingo-burri (misr., p should be j ?), B t̄chungubardi
 (d) R joong-gō-pā-rī, Mac chungoburre, MM jungobury, Du juigoverij (e) R jūng-gō-pā-rī
 (f) SL +Yunkupari, aEM as MKI, EC gon-do-lo, I doongoobarri, Tu carri-jeorie
- 5 *Anideotis australis* (b) M; OI turja (c) FC thoorna, An thuringa, B bargamu, jürünga
 (d) Mac barkam, MM thurua, Du burgamoo (f) T 'teruja, I mykoolan (perhaps the turkey was
 specially associated in some way with the Maiy-i-kulan). Cf. Kl and other lgs. parkamu

	a	b	c	d!	e	f
Ngawun	May i -Kulan	May i -Yapi	May i -Thakurti	Wunumara	May i -Kutuna	
F6 <i>ibis</i>					munkutji karra wakuwari ?	
7 <i>bro̥lga</i>	tharrapuka (wari karr)	tharrapuka (wari karr)	tharrapuka	Turrka	KuRaNDa (Turrka)	
8 <i>heron</i>	kullkul	thankiyn				
9 <i>pelican</i>		thungalindji (wukirtarra)	thal kupun	walkirriparri (walkirriparri)	waNathINGi or waNathindji (walkirriparri)	
10 <i>sp. of water bird</i>		yalki	yalki		(kalalala ?)	
11 <i>spoonbill</i>					Purripl	
12 <i>black duck</i>	karrapa	karrapa	karrapa	pindurra	karrapa pindurra (Turrku)	
13 <i>wood duck</i>		pindurra			ngalawal	ngalawal
14 <i>Burdekin duck</i>						tjinborr

- F6 *Threskiornis* spp. (f) Bl munkutiyikara, Tu wagoo-rurie
- 7 *Grus rubicunda* (b) M tarapuka, S [wɔ̄rigař], OH tarapuka (c) PC tharra-boogah, An thoroboko, MC d'tharwo-booga (d) Mac turka, MM toorka, Du tulga (f) T 'guranda, Ar parumba, L toorga
- 8 *Ardea* spp., possibly includes egret, *Egretta* sp. (b) OH tankiny 'crane'
- 9 *Pelecanus conspicillatus* (b) PA thoong allinje and thoongaberry (but see 21), S [^wvigjärā] (c) PA thalko boon, PC thalcoban, An thalgobun, may contain -pun(a) 'having' (d) Mac whulkaburre, MM walkuperry (f) L wolgaribarri, Tu wana-thingie. Cf. KI walkiripari
- 10 (b) PA yalke 'diver or darter' (c) P yalke, as (b), also 'swan' (f) EM, last syllable not clear and identification doubtful
- 11 *Platalea* sp. (f) Tu boor-bil
- 12 *Anas superciliosa* (b) PA karrabah; S pintura, OH pinturu, 'duēk' (c) PA karrabah, PC binderra, An garraba, MC bin-dur-ra, B bindura 'thick' (d) Mac karrupa, MM koopery, Du pundura 'wild duck' (f) T see 15, Ar bindūrra; EC toorgu, cf. 7, L beendoora, Tu carra-bah. There may be two species involved here.
- 13 *Thermonectes intexa* (c) PA see 15, PC ngul-owan, An ngalawul; MC wool-ad-dthoo, see 15 (d) Mac nurloin, MM alowan (f) Tu alowan Cf. KI nafawa!
- 14 *Madomia madomia* (f) Tu djin bur

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
F15	<i>whistler duck</i>	walathu	walathu	walathu	walathu	tjipi lyā
16	<i>pigeon</i>	puwali	puRanBuRaN			
17	<i>crested pigeon</i>	pilapalpa		kulupatji		palumbarr
18	<i>bronzewing pigeon</i>	wayakan				
19	<i>flock pigeon</i>			tjirruwali	tjirruwali	
20	<i>dove</i>					kuruuku
21	<i>crow</i>	wamurrayn	thungupari	wamurrayn	wakarn	thungupari
		wamurrayn	wamurrayn	waya	waya	(wakan)
		(tjil karr)				
22	<i>kookaburra</i>	tjarranggul	tjarranggul	+jarranggul	+jarranggul	+jarranggul
23	<i>magpie</i>					kurrratapu
24	<i>peewee</i>					kuli kuli
25	<i>willy wagtail</i>					tjindirritjindirri

- F15 *Dendrocygna arcuata* (b) PA wallatho, wallathoo (c) PA ngull'a wa!, see 13, MC see 13
 (d) R wūl-'lā-dō (e) R wūl-lā-dō (f) T 'tjibilja, 'black duck, whistling duck', cf. Kl
 +Yipulyu and similar names in other lgs
- 16 (b) PA boowally (c) PA booran booran
- 17 *Ocyphaps lophotes* (d) Du coolabudgee 'sidgeon' [sic], cf. Kl, YI kulupati 'crested pigeon'
- 18 *Phaps chalcoptera*
- 19 *Histriophaps histrioionica* (e), (f) R jēr-rō-'â-ł̄
- 20 Probably *Geopelia cuneata* (f) EM 'pigeon' or 'dove' Many lgs have this or similar names.
- 21 *Corvus* sp. (a) wayakan (see 18) also given once (b) M tunupari and a doubtful tunuparu,
 PA warmoorine and see 9, S tyilkar, OH turlapari (c) P thoonga berry, thoongaberry, An wire,
 MC d'thong-oo-boore (d) R wūm-mē-rān, Mac wamering, MM womarine, Du womerie (e) R wör-kä-rün,
 cf. Kn, etc. wakan (f) St. walkula (probably not MKt), Ar wya, EC toon-ou-vrai; L wookan,
 cf. Kl wakan
- 22 Blue-winged kookaburra, *Dacelo leachii* (b) M (c) PC jarrangool, An charroongul, MC
 d'char-run-gul (d) MM jarungod! (f) SL [garago(l)], Tu jarungool (g) +Yarunkul
- 23 *Gymnorhina tibicen* (b) OH kuratapu (f) St. [gūjadabu], T 'koratapu Cf. Kl kuratapu
- 24 *Grallina cyanoleuca* (f) SL, FM
- 25 *Rhipidura leucophrys* (f) EM

		a	b	c	d	e	f
		Ngawun	May i -Kulan	May i -Yapi	May i -Thakurti	Wunumara	May i -Kutuna
F26	<i>leatherhead</i>					†jupa(r)n	
27	<i>dummy martin</i>					†jalakan	
28	<i>white cockatoo</i>	murrayn	(parriyal)	murrayn	kaRampuLa	murrayn kaRambuLa	ny'inganyinga (yawuRawarI)
29	<i>corella</i>				kuluRa ?	kuluRa ?	kuluRa ?
30	<i>black cockatoo</i>	walapanda				lipa(rr)	
31	<i>galah</i>	winuparri	winuparri		kilawurru	ki lawurru	
32	<i>budgerigar</i>						parriyal
33	<i>eaglehawk</i>			kurri thila	kurri thila	kurri thila	kurri thila
34	<i>kite-hawk</i>			?		katjaparri	katjaparri
35	<i>grey hawk</i>		pitjarturtu	pitjarturtu	walpinKaRa	pitjarturtu	pumbul pumbul
							pathapatha pathapathawari

- F26 Possibly *Philemon* sp. (f) SL (-n), EM (-ŋ).
- 27 (f) SL, cf. Wn d'yulagin 'bird (generic)'. SL also gave the English name.
- 28 *Kakatoe galerita* (b) OH pariyat, cf. 32 (c) PC moor-ire, An morine; MC koolera, see 29
 (d) R koo-l̄or-ă, see 29, MM karamboda (e) R moor-tūn, kă-'rūm-bō-lă (f) T 'njiqan iŋa;
 EC koo-lo-ra, see 29, L yaoorawari
- 29 *Kakatoe sanguinea* (c), (e), (f), see 28 Cf. PP and related dialects, Kuwa
- 30 *Calyptorhynchus banksi* (d) MM leepar
- 31 *Kakatoe roseicapilla* (b) M (d) R gă-'lă-rō (e) R gă-'lou-rō Cf. Kl kilawuru
- 32 *Melopsittacus undulatus* (f) SL, aEM, cf. 28(b)
- 33 *Aquila audax* (b) PA janna urgah, cooreythilla (c) P koore thilla, coorythilla, An cooradilla
 (d) R koo-r̄t-dă-lă, Mac kooritella, MM goorithilla (e) R koo-r̄t-dă-lă (f) Tu goori-di-lah,
 L koontilla (misr. kooridilla ?). Cf. PP, Kn etc. kuratilla
- 34 *Milvus migrans* (b) PA kitch a berry 'brown hawk', OH pitayatu 'hawk'
 'brown hawk' (c) PA walbin garrah
 (d) R kă-chă-pă-ri 'small hawk', Du cutherbury 'hawk' (e) R wör-kün, see 21
 (f) SL 'sparrowhawk', aM as 'kite-hawk', Tu boom-bit boom-bit Cf. Kl katyapi 'kite-hawk'
- 35 (f) SL, said to be rare

	a	b	c	d	e	f
1	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
GI	snake	ngunhan kathi	mukawa tjinyurr	tjinyurr	+tjinyurr	(TulpuRu) (ngunhan)
2	brown snake	thanggirr	thanggirr	kundara	thanggirr	yilingili
3	tiger snake, black snake	kurrthulpun	kurrthulpun		yuturr	TilpuRu
4	death adder		paTimu			
5	carpet snake		kurima		kurimarra	+tjunkurru
6	snake sp.					manapatji
7	alligator (saltwater crocodile)				pamithiRa	
8	(freshwater) crocodile				+tjiltjapuna	yurtuyurtu kaltja

- 61 (a) For *katī* see D97, El. Some languages use the word for meat, or a reduplicated form of it, as a generic term for snakes. (b) M, O *ŋunān*, S [ŋuðān, ŋumān], PA *jinure* (c) PA *thangeer*, see 2, PC *mokoa*; B *jinyūr*, also 'rainbow' K33 (d) R *jěn-yūr*, Mac *tinouir*, MM *chinur*, Du *enoo* (e) R *jěn-yūr* (f) Ar *dulburru*, cf. 3, l. *woonan*
- 2 (c) PA see 1, 3 (e) R *koon-dă-ră* 'green snake', cf. Kn *kuntara* 'mulga snake' (f) SL *tan̄kir*, EM *yilinili*, T 'tangir
- 3 (b) PA *kurthalbun* 'black snake' (c) PA *thung eer* 'black snake', see 2, An *curlalboon* 'tiger snake'; cooremun 'black snake', see 5 (f) SL *yutur* 'tiger snake', Tu *tit* bor oo 'black snake'
- 4 *Acanthropus a. antarcticus* (c) PA *bartimo*
- 5 *Morelia spilotes variegata* (b) PA *kooreemah*, koorema 'carpet snake', kooremah 'mythological carpet snakes' (c) PA *kooreemah*, An see 3 (e) R *koo-rî-mă-ră* (f) EM, SL *tyunkur*, ("black-headed one" EM, "yellow with black spots" SL), T 'tjuln'gury. Cf. *kurimara* in PP, Kn, etc.
- 6 (f) SL "little red snake, on the flat", aEM as "yellow-belly one", EC *ma-no-wag-gi* 'snake'
- 7 *Crocodylus porosus* (d) R see 8, Du *boomthera* 'alligator'
- 8 *Crocodylus johnstoni*. All glossed 'crocodile' (b) PA *chilcha-boona*, kulcha; OH [yEd̄ru] ? (second letter not clear), perhaps a mishearing of *yutuyutu* (d) R *pâ-mî-tĕ-ră*, see 7, Du *chilchevona* (f) SL, EM

	a	b	c	d	e	f
	Ngawun	May-i-Kulan	May-i-Yapi	May-i-Thakurti	Wunumara	May i-Kutuna
69	large sand goanna	yangurla	yangurla	yangurla		yangurla
10	small sand goanna	parna		kundjara		
11	black goanna	mamburuparri	mamburuparri	mamburuparri	manburuparri (or mam-?)	mithirrwari tjanNDaaRi wanggu
12	spotted tree goanna			pili+japun	piyangirri	pinarrpala
13	frilled lizard, few lizard		pinalparra?	pinarrpala	piyangirri	pinarrari ? (poss. pinarrwari)
14	blue-tongue lizard		thumbarrumu	thumbarrumu		
15	bicycle lizard		yipindjirri	yipindjirri		
16	lizard sp.		thambuthambu			
17	lizard sp.			kindupatji		
18	lizard sp.			walkartu	walkartu	walkartu
19	lizard sp.					NamuRaRa
20	lizard sp.				thiRapatji	kanga
21	turtle			muyakatha	muyakatha	wukun
22	frog	wukun		Nukuyn	†jawarn	wukun

- 69 Possibly *Varanus gouldii* (b) M, O, S [yʌŋgələ], PA yáng, o, |ah, yangolah 'iguana', OH yəŋura 'goanna' (c) PA yang oo|ah, B yangura 'iguana, long-tailed' (f) T 'janula 'sand goanna'
- 10 *Varanus* sp. (c) B gūnjara 'iguana, stomp-tailed'
- 11 *Varanus* sp. (a) 'plain goanna' (b) K [māmbr̩ bādī] 'goanna' (d) R mǔm-boo-rō-pā-rī, MM mumbooaberry, Du mambroberry, 'iguana' (e) R mǔm-boo-rā-pā-rī 'iguana', LM manpurupari 'prenty' (f) T 'mičirwari, 'tjan'da:ri, wangu, Tu midthururi 'iguana'
- 12 *Varanus* sp. (b) M
- 13 *Amphisbaenidae* (b) M (e) LM (same as YI) (f) T 'pinar'pala; Tu pen-ar-ar-ee, cf. -waRī of F 35 and G 11. Cf. piñarr 'ear', A10
- 14 Possibly *Tiliqua scincoides* (b) M [tumparamu]
- 15 (a) 'small, lives on trees'
- 17 (b) M
- 18 (d) R wōl-kā-dō (e) R wāl-kā-dō (f) SL
- 19 (f) Tu nam-ur-ar-ah 'zizard (small)'
- 20 (d) R tē-rā-'pā-jī
- 21 (b), (c) PA moyət gutha (f) SL, aEM
- 22 (c) An nogoin (d) R jou-ün 'frog (large)', Du jowan (e) R jou-ün 'frog'. Cf. Kl +Yawan

G23	<i>small frog</i>	a Ngawun	b Mayi-Kulan	c Mayi-Yapi	d Mayi-Thakurti	e Wunumara	f Mayi-Kutuna
H1	<i>fish</i>	pəlpi	pəlpi	pəlpi	pəlpi	pəlpi	pəlpi (wakarri)
2	<i>codfish</i>					?	
3	<i>eel</i>					kaNaṭṭja	
4	<i>catfish</i>		wakayi			rimirimi	
5	<i>crayfish</i>	(yəpɪ)			+jundju	+jundju	
6	<i>lobster</i>				pikul	(pikul)	
7	<i>crab</i>		mukul			rutja	
8	<i>mussel</i>						
11	<i>fly</i>			nyimul	nyimul	miInga	nyimul(u) (miInga)

- G23 (d) R nēl-ī
 HI (b) M, K, OH, PA balby, K also kuyu (*Mari*, *Pama*) (c) P balby, wog-ie, An balbee, MC bulbi
 (d) R būl-bū, Mac, MM pulpy, Du pulva, LM palpi, palpi (e) R būl-bū (f) SL wakari, aEM, cf.
 D97, aEM palpi, Ar wokkai, EC balbi, L gemañla
- 2 (f) Tu cān-ad-yah
- 3 (f) T 'rema'rimi 'freshwater eel'
- 4 (f) T 'tjukal'tjukā, Tu too-karoo '*jewfish*'
- 5 (a) May be Eng. wabby (c) PC junju, An piccool, MC jin-ju (d) R pē-kool, Mac pikquo!, MM
 neekod! (f) SL t'yunt'yū, aEM, EC choorn-qu, L begool
- 6 (f) Ar ru:jā
- 8 (d) R pē-jē, yǔng-ūn (when obtained from water-covered mud), lūl-kā-rūn (when got out of dry
 mud), 'freshwater mussel'
- 11 (b) M, S n̄imur (c) PC nyimool, An nguiimool, MC melg-na (d) R mēlg-nā 'common housefly',
 Mac milngā, MM milua (misr. milna ?) (e) R m̄lq-nā 'common housefly', Du melnar (f) EC
 ni-meo-loo, L milna. Cf. Kl milna '*blowfly*'. Perhaps nyimul is 'bush fly' and milna 'house fly'
 or '*blowfly*'.

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
12	<i>mosquito</i>	liwlyn	wungguyn (ki kurru)	wungguyn	mi kaya liwlyn	wungguyn (mika)
				wungguyn ?		
3	<i>bee</i>	kunggirr	kunggirr	panggupanggu		
4	<i>spider</i>	+jamarr		kupu	kurnmuRu	yanburR
						Tirrpa
5	<i>red-back spider</i>					?
6	<i>centipede</i>					malathurru
7	<i>ant</i>	withu	thurrlyn	withu	withu	
8	<i>grasshopper</i>				piNDuwaN	
9	<i>locust</i>					kumarrri (yn)
10	<i>caterpillar, grub</i>		muthara	kapara		+japurta
11	<i>worm</i>					puRalka(rr)
12	<i>butterfly</i>					(parndirr)
13	<i>moth</i>				(puluru)	
14	<i>flea, louse</i>					yapin

- 12 (b) M wunjuny, S kilkuru (c) PC oonggo in, An wango in, MC ong-go in (d) R mī-kī-ă, Mac lewouin; MM woonjoin, see note to BI, Du megiah (e) R mē-gī-ă (f) Ar wungūl, EC wan-gouin, L meka. Cf. KI mika(r)a
- 3 (a) Also 'sugarbag, honey', D99 (b) OH (d) R 'bung-gō 'bung-gō
- 4 (d) R kō-bō, cf. KI kupu (e) R koon-mō-rō (f) Tu ianbur and dirbah
- 5 (f) Tu burrum-burrum-gah
- 6 (f) EM
- 7 (b) M, OH t̪yurin'y 'black ant', (d) R wā-tō (e) R wī-dō (f) SL 'black biting ant', aEM as 'ant'
- 8 (d) Du bindowan
- 9 (f) SL, aEM, final ny doubtful (SL), absent (EM)
- 10 (b) M [mut̪ora, mut̪aru, mut̪ara] 'grub, maggot', PA muthera 'edible grub, taken from roots of whitewood' (cf. J20) (d) R kā-pā-ră, RB kapara, 'caterpillar, grub (smaller kinds, especially those found on grass)', cf. KI, PP, etc. kapara 'grub' (f) SL 'edible grub', aEM as 'maggot'
- 11 (d) MM booral kar
- 12 (b) S
- 13 (b) S
- 14 (c) An yabbin

	a	b	c	d	e	f
1	Ngawun <i>tree, stick, wood</i>	Mayi-Kulan <i>thirni</i>	Mayi-Yapi <i>kunka</i>	Mayi-Thakurti <i>pakurr</i>	Wunumara (putthaRiyā ?)	Mayi-Kutuna tula(rr) kunka Nukurr ? (yikala)
2	<i>limb, branch</i>		pama	pimba	pimba	
3	<i>bark</i>	pimba	limbiyn	limbiyn	limbiyn	yakarli (muRUNGU)
4	<i>leaf</i>	kitjata (or kindjarla ?)	†jalyarr ? kindjarla ? ?	kindjarla		
5	<i>river red gum</i>	palakari	palakari			palakari
6	<i>coolibah</i>	†jinbal	kinyula	†jinbal	pukuwāRa ?	pinbirri
7	<i>bloodwood</i>	karraya			Nambunbayn	
8	<i>carbeen</i>			thunburru		
9	<i>silverleaf box</i>					kaLiNGa!

- J| (a) 'tree, stick' (b) M 'tree, log, stick', O 'tree, stick'; both also used tini but O said that this is Ng, not MKI; PA koonkah 'tree', S 'tree' (also kunkay 'in the tree' (?)), OH 'tree'
 (c) PA goonga 'tree', PC bokore 'wood', An coongai 'wood' (cf. (b), S), MC bug-goo-roo 'wood',
 B bogu 'tree' (d) Mac bakkaro 'wood', MM bargour 'tree, wood', Du butharia 'tree' (perhaps
 'tree sp.') (f) N tula 'stick', but tularpari, see 3.5.1; EM kunka 'stick'; Ar mada, cf. A68
 'bone', EC nor-goord, L eekalla 'wood' (= Wn 'leaf'). Cf. Kk pakare, Mari lgs baga
- 2 (c) An bamma
- 3 (b) See B16 (c) FC beemba, An cimbin (misr. limbin?), MC bimba (d) Mac billa, cf. Kl pila
 'cradle for cooking pitcheeny in', MM simbe (misr. limbe ?) (f) Ar yagarri (= 'skin', A67),
 FC bimba, L mooroongoo
- 4 (b) OH kitYata (c) An cootgaboo 'leaf'; jingella 'scrub'; cf. (d), B jalyar (d) R ḡin-jā-lā,
 used also to refer to oval decorations on ornate boomerangs, D56. Cf. YI kinYata
- 5 *Eucalyptus camaldulensis* [chishin]. (Myrtaceae) (b) M (f) SL, aEM, Turn palla-gurri, 'gum tree'
- 6 E. microtheca f. Musil. (b) M kinYata (b/c) P jinbul or kurleah (d) Du bougworra (f) SL
 'small eucalypt', aM as 'eollibah' (= Kl). Items placed between columns b and c and referred to as b/c are used "on concrury" and may be MKI, MY or, most likely, both. See Palmer 1883b especially p.95 item 11.
- 7 E. tereticornis f. Min. (b) M kaliri, see 10 (b/c) PA narm-boon-hung, SR narm-boon-bong
- 8 E. t. t. 'Lippia' f. Min. (b) M
- 9 E. punctata Schau. (b/c) P kultimqal

		a	b	c	d	e	f
		Ngawun	May i-Kulan	May i-Yap i	May i-Thakurti	Wunumara	May i-Kutuna
10	<i>mountain gum</i>		kaliirri				
11	<i>sp. gum tree</i>				+juwəRu		
12	<i>galls on eucalypts</i>			(kurrtjā)			
13	<i>gidgea</i>	kamari	wungarra	(wungarra)	patjara		
14	<i>sp. of wattle</i>			yathurr			
15	<i>prickly bush</i>	panggaman		panggaman			
16	<i>sandalwood</i>				!haRaki <p>VRa</p>		
					or	!haRaYi <p>VRa</p>	
17	<i>beefwood</i>				+hindhuparr i	thunggaRu	
18	<i>kurrajong</i>					yiNDuRa	
19	<i>sp. of tree (Terminalia)</i>				TuRiN		
20	<i>whitewood</i>		pundhangarra		puhangarra		
21	<i>mistletoe on whitewood</i>					thaPiN	mirrik i

- 110 *Eucalyptus leucophloia* I.M. Brooker (b) M, see also 7, = Kk
 11 (e) R joo-ḡ-ro
- 12 (b/c) PA, PR kurcha; in the latter case it is said to refer to grubs or jelly contained in the galls. Found on *E. tetrodonta* and *E. corymbosa*
- 13 Probably *Acacia cambagei* R.T. Bak. (Leguminosae) (b) M (p)unjara (b/c) P wong-arra, wong-arrah,
 'Ac. komalophylla' (now spelt *omalophylla*), but this does not occur in the area (d) R see D55;
 cf. Kl patyara
- 14 May be *Acacia sutherlandii* F. Muell. (b/c) P yadthor, given for *Az. pallida* F. Muell. and
Ae. bidwillii Benth. but neither occurs in the area.
- 15 *Acacia fimbriata* (L.) Willd. (b/c) P bunkerman
- 16 *Santalum lanceolatum* R. Br. (Santalaceae) (b/c) P tharra-gibberah
- 17 Roth's name (at least) includes beefwood, *Grevillea striata* R. Br. and scrub beefwood,
Stenocarpus salignus R. Br. (both Proteaceae) (b) M ($V_2 = [u] \sim [\theta]$) (d) R toong-gā-ro;
 tunggaro 'lement made from beefwood now'. Cf. Kl tunjku 'needletwist'
- 18 Probably *Bryophyllum* sp. (Sterculiaceae) (b/c) P eendurah, given as 'Steppulaia' sp.¹
- 19 *Thymelaea heterophylla* F. Muell. (Compositaceae) (b) P durin 'writs' or 'wings' on flinders
- 20 *Atalaya hemiglauca* (F. Muell.) F. Muell. ex Benth. (Sapindaceae) (b) M (f) SL, adEM
- 21 *Ligustrina exariphi* (Behr) Tiegh. (Loranthaceae) (b/c) P thanpin 'matting exarappus', cf. 82

		a	b	c	d	e	f
J22	<i>corkwood</i>	Ngawun kuparu	May i-Kutani puthu	May i-Yapi puthu	May i-Thakurti puthu	Wunumara puthu	May i-Kutuna puthu
23	<i>tea tree</i> (<i>paperbank</i>)	puthu puthupuna	puthu	puthu	puthu	puthu	puthu
24	<i>tea tree</i> (<i>small</i>)	†jinbil	pi kani	pi kani	pi kani	pi kani	pi kani
25	<i>Bauhinia</i> (<i>bohemica</i> tree)	pi kani	pi kani	pi kani	pi kani	pi kani	pi kani
26	<i>Cathormion</i> sp.	tha lmvRa	ma lar	ma lar	ma lar	ma lar	ma lar
27	<i>Leichhardt tree</i>	ku peyap i	ku peyap i	ku peyap i	ku peyap i	ku peyap i	ku peyap i
28	<i>gutta-percha tree</i>	†jil irr	†jil irr	†jil irr	†jil irr	†jil irr	†jil irr
29	<i>fire tree</i>	thurru ku	thurru ku	thurru ku	thurru ku	thurru ku	thurru ku
30	<i>supplejack</i>	tha NDuRa	tha NDuRa	tha NDuRa	tha NDuRa	tha NDuRa	tha NDuRa
31	<i>Leichhardt fig</i>	ralta	ralta	ralta	ralta	ralta	ralta
32	<i>fruit tree</i>	Kuwundji	Kuwundji	Kuwundji	Kuwundji	Kuwundji	Kuwundji

- J22 Probably *Hakea* sp. but possibly *Erythrina* sp.
- 23 *Melaleuca leucadendron* (L.) L. (Myrtaceae) (a) *putu* is also "anything you can cover with", i.e. especially the bark of this tree. (b) M (d) Du bootha
- 24 Probably *Leptospermum* sp.
- 25 *Lysiphyllo carrioi* (F. Muell.) Pedley (Leguminosae) (b) M pikani; P þalmara (c) PR pegunny (f) SL, æM
- 26 *Cathormion umbellatum* (Vahl) Kosterm. (Leguminosae) (b/c) P mullar '*Albizia monilifera*'
- 27 Probably *Nauclea orientalis* (L.) L. (Rubiaceae) (b/c) P coobaby '*Sarcocapnos leichhardtii*'. This is probably a misidentification; F.M. Bailey (1899-1902) gives the name coobaby for *S. cordatus*, which is now known as *Nauclea orientalis*. The former *S. leichhardtii* is now known as *Morinda citrifolia* L.
- 28 *Excoecaria parvifolia* Muell. Arg. (Euphorbiaceae) (b/c) P jil-leer
- 29 *Clerodendrum floribundum* R. Br. (Verbenaceae) (a) Also the name of the sticks used for lighting fires by friction, which are obtained from this tree (see D90) (b/c) P þurkoo '*Clerodendron floribundum*'.
- 30 *Ventilago viminalis* Hook. (Rhamnaceae) (b/c) P þandora
- 31 (f) SL
- 32 *Planchonia careya* (F. Muell.) Knuth (Barringtoniaceae) (b/c) P go-on-je and gunthamarra '*Barringtonia careya*' ('*Careya australis*')

		a	b	c	d	e	f
J33	<i>fruit tree</i>	Ngawun	May i-Kulan	May i-Yapi	May i-Thakurti	Wunumara	May i-Kutuna
			thankuyn				
34	<i>wild orange, large pomegranate</i>	karnduthal	mutjuR(i)				
35	<i>small pomegranate</i>	thukirr					
36	<i>split jack</i>	wayitjila?					
		thalakurroin					
37	<i>Capparis sp.</i>	lungala	mitjarr				
38	<i>black plum</i>				tal kula		
39	<i>fruit tree</i>			pundjuparri			
40	<i>wild banana</i>				wandjal		
41	<i>conkerberry</i>	kanggaparri	(kanggaparri)	kanggaparri			
42	<i>emu apple</i>			yalpunggu			
				nguruka			
43	<i>emu berries</i>			yILDiN			
44	<i>shrub (<i>Cynanchum</i>)</i>				nguruka		
45	<i>shrub (<i>Securinega</i>)</i>				nguruka		

- J33 *Diospyros ferrea* (Willd.) Bakh. var. *humilis* (R. Br.) Bakh. (Ebenaceae) (b/c) P thankoin and mogiore 'Maba humilis'.
- 34 *Capparis mitchellii* Lindl. (Capparaceae) (b/c) P karn-doo-thal 'large pomegranate'
(d) R kün-doo-tǖl, RB kandutai 'wild orange, *Atalanitia glauca*'
- 35 *Capparis lucida* (DC.) R. Br. ex Benth. (a) 'wild orange' (b/c) PA thoogeer 'small pomegranate'
- 36 *Capparis lasiantha* R. Br. ex DC. (b/c) PA wyjulah or thull la-kurbin; PR wyjelah, thull la-kurbin
- 37 *Capparis spinosa* L. var. *nummularia* (DC.) F.M. Bailey. (b/c) P longullah, mijar
- 38 (f) SL
- 39 (d) (or (e)?) LM
- 40 Possibly *Marsdenia australis* (R. Br.) Druce but cf. 56 (f) SL, aEM
- 41 Probably *Carissa lanceolata* R. Br., possibly *C. ovata* R. Br. (Apocynaceae). More likely the former although F.M. Bailey (1899-1902) gives the name kunkerberry for the latter
(b) M (b/c) P kunkerberry (d) R küng-gă-pă-ří, yăl-boong-gă
- 42 *Ovenia acidula* F. Muell. (Meliaceae) (b) M (d) R ēl-dăñ, oo-rō-kă, RB eldin, uroka (f) SL, EM
- 43 *Grewia retusifolia* Kurz. (Tiliaceae) (b/c) P kooline 'Grewia polygama'
- 44 *Cynanchum floribundum* R. Br. (Asclepiadaceae) (b/c) P thooramia
- 45 *Securinega melanthesoides* (F. Muell.) Airy Shaw (Euphorbiaceae) (b/c) P tharginyah
'Securinega obovata'

	a	b	c	d	e	f
Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna	
J46 <i>shrub (Abutilon)</i>		palanburr				
47 <i>shrub (Tephrosia)</i>		†jaritjaRi				
48 <i>shrub (Tephrosia)</i>		Tuta				
49 <i>Hibiscus sp., Native Rosella</i>		yukata				
50 <i>wild rosella</i>		ngarkuli				
51 <i>small annual shrub</i>			kuRinyaN ?			
52 <i>small annual shrub</i>			†jaritjaRi			
53 <i>small annual plant</i>			wamu			
54 <i>native gooseberry</i>				nyinggaawan		
55 <i>annual herb</i>				wuNDuRu		
56 <i>creeping plant</i>				wandjul		
					muLuRi	

- 446 *Abutilon otocarpum* F. Muell. (Malvaceae) (b/c) P ballan-boor
- 47 *Tephrosia* sp. (Leguminosae) Several occur in the area. May be same as 41
(b/c) jerrill'-jerry' [sic] cf. also 52; the description suggests that these are different.
- 48 *Tephrosia* sp. Possibly *T. astragaloides* Benth. but other species of *Tephrosia* also possible.
(d) R too-tă, RB tutu 'Tephrosia astragaloides'.
- 49 (d) R ū-kă-tă 'rosella', RB yukata 'hibiscus'. The common name Native Rosella is used for some spp. of *Hibiscus*.
- 50 Possibly *Abutilon* sp. (b/c) P ngar-golly 'Hibiscus divaricatus'. However, this species has not been recorded for North Queensland.
- 51 *Abelmoschus ficulneus* (L.) W. & A. ex Wight (Malvaceae) (b/c) P coorunyan, coorenyan,
'Hibiscus ficulneus'.
- 52 *Armania multiflora* Roxb. (Lythraceae) (b/c) P jerry-jerry
- 53 Possibly *Psoralea badocana* (Blanco) Blanco (Leguminosae) (b/c) P wommo, 'Psoralea archeri'. This is not likely to be the species referred to and *P. badocana* is the most likely possibility
- 54 *Physalis minima* L. (Solanaceae) (b/c) P neen-gwan (f) SL, aEM (= Kk)
- 55 *Solanum esuriale* Lindl. (Solanaceae) (b/c) P oondooroo, on-dooroo
- 56 *Cynanchum* sp. (Asclepiadaceae). Species unknown; only two species, *C. floribundum* R. Br. (see 44) and *C. embescens* R. Br., have been recorded from the area. (b/c) PA wineju and mooloory,
'Cynanchum' sp. (? *pendiculatum*). Cf. 40.

	a	b	c	d	e	f
	Ngawun	May i-Kulan	May i-Yap i	May i-Thakurti	Wunumara	May i-Kutuna
J57	<i>tea bush</i>		muTa			
58	<i>peabush</i>		ngindjari			
59	<i>saltbush</i>		kuLuluMu			
60	<i>tubers of blue waterlily</i>		thiNDA			
61	<i>stalk of blue waterlily</i>		(thuLambu!)			
62	<i>seed head of blue waterlily</i>		miLi			
63	<i>lily sp.</i>		kuNku!			
64	<i>tuber of 63</i>		(thaNdu)			
65	<i>lily sp.</i>			(thaNDu)	ngaNDa!	
66	<i>tuber of lily</i>			thuLambu!	thuLambu!	
67	<i>lily sp.</i>				thiNDA	
68	<i>sp. of aquatic plant (<i>Polygonum</i>)</i>				puRakuLa or puRakuRa	
69	<i>sp. of aquatic plant (<i>Aponogeton</i>)</i>				thaRndu	
70	<i>small cucumber</i>				pumaRa	

- 57 *Ocimum sanctum* L. (Labiatae) (b) P mooda
- 58 *Sesbania sesban* (L.) Merr. (Leguminosae) (b) P ngeen-jerry 'Sesbania aegyptiaca'
- 59 *Enchytaena tomentosa* R. Br. (Chenopodiaceae) (b) PA kooloo-loomoo
- 60 The blue waterlily is usually identified as *Nymphaea gigantea* Hook. f. (Nymphaeaceae) though current studies show more than one blue-flowered species of *Nymphaea* native to the area.
N. violacea Lehm. is the most common in this area. (b) P thindah (cf. 67)
- 61 (b) P thoolambool, but see 66
- 62 (b) P millee, mille cf. A6 'eye'. Cf. Kl mi_lti 'eye', also 'seed'
- 63 (b) PA koonkoll
- 64 (b) PA thando, but see 65 (and note also 60 and 69)
- 65 (c) PA thandoo, but see 64 and note also 69 (d) R ūn-dūl; this lily is said to have a smooth-surfaced root.
- 66 (c) PA thoolambool (but see 61) (e) R too-lūm-bool; the seed of 65
- 67 (e) R tūn-dā, cf. 60. This lily has a hairy surface.
- 68 *Polygonum hydropiper* L. (Polygonaceae) (b/c) PA booragoolah, PR booragoorah
- 69 *Apionogoton* sp. (Aponogetonaceae). A few species of *Apionogoton* occur in the area.
 (b/c) P tharndoo (cf. 64, 65)
- 70 Probably a variety of *Cucumis trigonus* Roxb. (b/c) P boomarrah 'Cucuris pubescens'. See note to next item.

	a	b	c	d	e	f
Ngawun	Mai-i-Kulan	Mai-i-Yapi	Mai-i-Thakurti	Wunumara	Mai-i-Kutuna	
J71	<i>small melon</i>	pindjipindji				
72	<i>yam vine</i>	thawun ?				
73	<i>herb with yam</i>		kutju			
74	<i>short-rooted yam</i>			maLaka		
75	<i>yam sp.</i>				yatikila	
76	<i>yam sp.</i>				woli	
77	<i>yam sp.</i>				ngaRakayaN	
78	<i>annual vine</i>					karrkurr

- 6 J71 Probably a variety of *Cucumis trigonus* Roxb. (b/c) PR binjy binjy '*Cucumis melo?*' The two species named by Palmer are now united under *Cucumis melo*. However, this is an introduced species. Palmer's plants are probably of native species and forms of the variable *Cucumis trigonus* Roxb. (Cucurbitaceae)
- 72 Possibly *Trichosanthes* sp. (Cucurbitaceae) (b/c) P thowan '*Trichosanthes palmata*'. This is now known as *Trichosanthes tricuspidata* Lour., but it is doubtful whether this occurs in the area. It is not known what species is referred to.
- 73 *Boerhavia diffusa* L. (Nyctaginaceae) (b/c) P goitcho (d) R koo-jō, RB ku-jo
- 74 Probably *Vigna lanceolata* Benth. (Leguminosae) (d) R mǎ-lǎ-qǎ, RB malaga (f) T mali:ka 'wild yam'. The name to-e is mistakenly given in Bailey (1909:144) as an Aboriginal name from the Cloncurry district for *Vigna vexillata* (L.) A. Rich.; however, this was a clerical error and this name is not Mayi but Nggerikudi (Cape York) (see Roth 1901). *Vigna vexillata* does not grow in the Cloncurry area.
- 75 (f) SL 'Zong yam', afM
- 76 (d) R wǒi-lè Long rooted, grows in sandy ground
- 77 (d) R ür-üük-kü-ün Grows in ranges
- 78 *Oenothera turpethum* (L.) S. Manso (Convolvulaceae) (b/c) P kar-kor '*Ipomoea turpethum*'

	a	b	c	d	e	f
J79	<i>pigweed</i>	Ngawun	May i-Kulan	May i-Yapi	May i-Thakurti	Wunumara
				thakawaRu ?	TaNkaRa	yamaRi
				TaLu		
80	<i>portulaca</i> sp.		kaRiTilā			
81	<i>sp. of reed</i>		thaPiN			
82	<i>sp. of reed</i>		KiNDi			
83	<i>wild rice</i>		kiNiYa			
84	<i>umbrella grass,</i> <i>star grass</i>		thiNDi			
85	<i>grass</i> sp.		+jiIkVRuwapaRi			
86	<i>grass</i> sp.		yakaRa			
87	<i>nut grass</i>		makurra			
88	<i>Mitchell grass</i>		katthalu			
89	<i>couch grass</i>		kapal			

- J79 *Portulaca oleracea* L. (Portulacaceae) (b/c) PA thuk-ouro, PR thukouro (d) R tūn-gă-ră, tăl-łō
(e) R yă-mă-rĭ 'pigweed'
- 80 Possibly *Portulaca napiformis* F. Muell. (d) R kă-rĕ-'dīl-łă 'P. napiformis'
- 81 (b/c) PA thubbin 'Cyperus sp.' (cf. 21)
- 82 (d) R kă-n-dī
- 83 *Oryza australiensis* Domin (Gramineae) (b/c) P kineyah (d) R mō-kē-mür-dō, RB mokomurdo,
cf. A59 and M5. Both 'Oryza sativa'.
- 84 *Panicum decompositum* R. Br. (Gramineae) and very likely also *P. whitei* J. M. Black
(b/c) P tindil 'umbrella grass, *Panicum decompositum*' (d) R tăn-dīl, RB tindil 'star grass,
Panicum decompositum'
- 85 *Sporobolus actinocladus* (F. Muell.) F. Muell. (b/c) PA jil-crowa-berry 'S. actinocladus';
PR jil-crow-a-berry 'S. indicus' (d) R jîl-groo-bür-łi, RB jîlgrubari, 'S. indicus'
- 86 *Sporobolus caroli* Mez (b/c) P yak-ka-berry 'Sporobolus lindleyii'
- 87 Probably *Cyperus bulbosus* Vahl; possibly *C. esculentus* L. (d) R mă-kör-ă, RB makora, cf.
KI makura 'little onion'
- 88 *Astrebla* spp. (b) M, cf. 90 (d) R kă-tăr, Mac kutther 'grass' (e) R poon-jool. Both R words
'short meadow grass'; cf. KI katir 'grass'
- 89 Possibly *Gynodon dactylon* (L.) Pers. or *Brachycalymne convergens* (F. Muell.) Stapf (b) M 'coach
grass' and 'grass'; S, OH, see 90

	a	b	c	d	e	f
	Ngawun	May i-Kulan	May i-Yapi	May i-Thakurti	Wunumara	May i-Kutuna
J90	grass (<i>gen. or spp.?</i>)	kiltjan yikala	kathirr yalkuyn	kathirr yalkuyn	pundjul	kathirr yalkuyn
91	burn, prickle	kupulu	kupulu			
K1	sky	kukuru	wiyala	maRamaRa	maRamaRa	maRamaRa
2	sun	mandhaarra	pindjamu mandhaarra	pindjamu mandhaarra	kamba	puRil
				kamba		
3	moon	wanatjunggari	wanatjunggari kurnukurnu (pirirruwa)	kakara	kurnukurnu ?	kakara parrkan?
4	stars	kuthi	tjinbi	yuku	yuku	tjinbi purturungu (yaLi) (Tirka ?)

- J90 (b) P guthieer, S gábal (see 89), OH kapat (see 89) (c) PA yalkoyne, PR yalkoine, An yalguin,
MC kud-tha, B kajera (d) R kâ-târ, Mac kutther, MM kutthree, Du catha (e) R poon-joo |
cf. Kuwa (f) aEM katîr(i), Ar kadir, EC yal-goon, L katirr
- 91 (b) M kupulu, kupuru
- KI (b) PA weeallah 'heavens' (c) PA marra-marra (d) MM murer murer (f) D murramurra.
(c) and (f) were both given in answer to "Where does the Creator live?" Cf. Bularu barabara,
KI manamana
- 2 (b) M piñ+yamu, PA binjammo, S yanu mayi mayi (possibly *'it's very hot'*, see M23), K [mangá·yá]
(c) P binjammo, and see C15, muntharra, An pinjama, MC kum-ba, B binjamu (d) R kúm-bă, Mac
kaampa, MM kumba, Du combao (e) R kúm-bă (f) T 'po:rel, Ar burril, EC po-ri ll and see M23,
D boril, L, Tu booril
- 3 (b) M wanatýunkarî, kunukunu, PA wannajungerry, S píriwuá (c) P kog arrah, kogarrah, An
cockera, MC gug-a-ra, B kogara (d) R 'koo-nô' koo-nô, Mac kurno-kurno, MM goonogoono,
Du cheiimo (e) R kâ-kâ-ră (f) N, EM kakara, T 'kagara, Ar bargan, EC ge-ge-ra, D kagare,
kagara, L kakarra, Tu bargun or pargun
- 4 (b) M, S, K kutî, PA jinbe; also jinbe booringo and jinbabora 'falling star', cf. S3
(c) P jinby; PA booringo jinbe 'falling star', cf. S3, An chinpee; MC mindee, see 36, B jinbi
(d) R ū-kō, Mac yonko (?), MM ugo, Du ugoo, cf. A6 'eye' (e) R yō-kō (f) Ar yalli,
cf. 32, EC chin-by; D boctroom, cf. KI, YI puturunu, L teirga (g) kutî

	a	b	c	d	e	f
	Ngawun	May-i-Kulan	May-i-Yapi	May-i-Thakurti	Wunumara	May-i-Kutuna
K5	<i>Milky Way</i>		punyu		wathu	
6	<i>Southern Cross</i>			kanyi kanyi		kathuku ?
7	<i>Pleiades</i>	manggayn				
8	<i>Orion's Belt</i>		?			
9	<i>Evening Star</i>	yambi				
10	<i>Morning Star</i>		yapuRu			
11	<i>The Coal Sack</i>		+junguparri			
12	<i>summer</i>	pupaRa		wulpaRi		
13	<i>winter</i> , see M24 'cold'					
14	<i>wet season</i>	kamupara	kamupara		windja	
15	<i>day</i>				mandja ?	
					puRi la	
					puLaNbulaN	

- K5 (b) PA boonyo (f) Tu wadthoo
- 6 (f) Ar ganyi-ganyi, Tu gud-thu-goo
- 7 (b) PA numkine [same as] 'a maid or virgin', see B8
- 8 (b) PA marbarungal [same as] 'a blackfellow' (B1)
- 9 (b) PA yumbi [same as] 'a dog', see E4 (f) Ar boogar 'Venus'
- 10 (b) PA yabوروо [same as] 'a bitch', see E8 (f) see 9
- 11 (b) PA junkerberry [same as] 'an emu'. The word for 'emu' is used as a name for this dark patch in the sky in Aboriginal English as well as in other languages, eg. Kk. See F4
- 12 (b) PA boocbara (c) PA woolbarry
- 13 (b) PA koobinburrah, probably 'windy', see 20
- 14 From Kamu 'water' (b) M, O
- 15 (c) PC murntharra, see 2, An winja (d) MM kumba, Du coonbar, see 2 (f) Ar mandja, cf. M20 'good' and M25 'heat'; D boorida, poss. locative of sun, see 2; L nellia, see W3 'today', Tu boolun-boolun

	a	b	c	d	e	f
16	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
17	night, dark	karrpu	windha	waRaNka	kapitji	waRaNka
17	light		ngula	ngula	wakamaNGu	ngula
18	down		yuRa	+jiNuwi	wutja	?
			piRV	?	panbal	(yaLaLayi malpaTa)
				?	?	?
19	sunset			pindjamu kallingu		
20	wind	kupiyn	kupiyn	kupiyn	(marlpanu)	wandjarr
						kupiyn
						ngunbu
21	water	kamu	kamu	yapu	(kunu)	wirriwitji
22	water	kamu	kamu	yapu		yapu
						(käpíRi)
						(ngapíLa)
23	sea	kamu	tjalka	yapu	tjalka	yaputjalka
24	Lake					ma(rr)kaN
						yap(ay)i

- K16 (a) 'dark' (b) M *winta* 'nighttime, evening', cf. 15, S *nula* 'light' (c) PC *warrunga* 'light', *ngoro-lo* 'dark' (= *nula* ?), An *ngoola* 'night, dark', MC *wo-rang-a* 'dark' (d) R *kā-bī-jī* 'night', Mac *wokkomungo* /'dark', MM *kabajee* 'dark', *kabajing* 'night' (locative ?), Du *cabbagee* 'night time', (e) R *kā-bī-jī* 'night' (f) Ar *mulla* 'dark', EC *war-ran-ga* 'dark', D *moorla* 'night', L *waranga* 'dark, night', Tu *moola*
- 17 (c) PC *yurah*, An *pirre*, MC *ber-u* (d) Mac *tennouli*, MM *bertun* and see 18 (f) Ar *wudja*; EC *pir-in-girr*, see Wl 'tomorrow'; D *yalalaie* *mulbada*, cf. Tl 'know', L *banbal*, Tu *woodya*
- 18 (d) MM *genool* 'morning', see 17 (f) D *burmuggiot*, Tu *oh-ah-bur-mut*
- 19 (c) B *binjamu* *kalgingu*, cf. 2 and 010
- 20 (b) M, OH, PA *koobeen* (c) P *koobeen*, An *copin*, MC *goo-bin* (d) Mac *kuppin*; MM *murlbunnoo*, perhaps a verb (f) EM *junpu*, T 'wa:ndjar, EC *koobin*, L *koobin*
- 21 (f) EM
- 22 (b) M, O, S, OH, PA *kammo*, K also *pana* (Pama lgs.) (c) P *yappo*, *yappoo*, An *commo*, MC *yab-boo*, B *gāmu*, *gammai* (d) R *yūp-pō*, Mac *yappo*, MM *yappo*, Du *yamboo* (e) R *koo-nō*, = Yl, not accepted as W by LM (f) N [kapi:i], afM *yapu*, T 'jabo, Ar *yabboo*, EC *yā-boo*; L *nabilla*, see 28 and cf. Kok-Narr *napi*(1) 'water'
- 23 Cf. 22 (b) PA *kammo* *gulcha* (poss. mishearing, cf. (c) and (f)) (c) FA *yappo* *julkā* (f) D *yabajueqā* (misr.), Tu *yalbajalka*
- 24 (f) D *marqun*, Tu *yabie* 'take or layoon'

	a	b	c	d	e	f
K25	<i>river</i>	Ngawun May i-Kullan (wurni +ji)	May i-Yap i thaRu pakurr	May i-Thakurti manggala WuLTu	Wunumara mangala	May i-Kurtuna mirramirra tjalaamaba yambaRa or yalpaRa
26	<i>flood</i>	pirrparra pirrparriyn	tharrkirriyn	tharrkirriyn	pa(rr)pal	
27	<i>swamp</i>				muN(D) imuNDi puLuNbLuN	
28	<i>rain</i>		wundjuN	wundjuN	tharti ? (ngap iLa)	
29	<i>hail</i>		?	wuRul	ngulamat	
30	<i>cloud</i>	winaNGu yarrarra (kalkirr)		?		
31	<i>mist</i>			poluthopal		
32	<i>lightning,</i> <i>thunder</i>	yanbarri	pundjili yanbarri	rungga	yanbarri maNGaN (yali) (yurtuyu)	maNGaN ?

- K25 (b) S; OH tarkirin, see 26 (c) An tharro 'creek', B bagur (d) R münd-kă-lă, Du mungalla,
cf. 38, MM ooldo 'creek' (e) R münd-gă-lă, cf. 38 (f) N miramira 'creek, river', aEM but
not clear whether 'river' or 'bank', T 'tjalamba, D yambara, Tu yallburra or yalbura
- 26 (b) M [t]arkiri, /tarkarinY, tarkirinY], OH see 25 (d) Du targarien
(f) D barbul, cf. 40 (a) and 17 (f); Tu moonnie-moondie and booloon-boolon, possibly place names
- 27 See also 22 (b) PA woonjune, woon jone, S, OH kamu (= 'water') (c) PA vindune, woonjone,
PC oonjune, An commo culge, cf. 22 and 010 'fall', MC yab-boo (= 'water') (d) MM yappo
(= 'water'); Du kalkigoo, see 010 (f) Ar kalga, see 010; EC na-bi la, cf. 22, D yaboo
(= 'water'); L kalginoonabilla, cf. 22 and 010
- 28 (b) PA oocrg boogerry
- 29 (b) PA witango, S kalkir, OH yarara (c) PA worrool, An woorrool (d) MM ommugoo (?)
(f) T 'ŋu:ama:+†
- 30 (d) MM buloothupal
- 31 (b) PA yanburry 'lightning', berringo 'thunder' (present tense of para 'to cry', see T10 and
note to (c)) (c) PA boonchilly 'lightning', yanberry 'thunder'; PC barry 'to make a noise or
cry', given for 'thunder' by Curr, see T10, An mungurn 'lightning', noonup 'thunder', MC
yun-bur-ri 'thunder' (d) Mac yunburree 'thunder'; MM roonga 'thunder' and 'lightning', cf. Y!
runka (f) aEM [yanbaasi], EC yarn-ber-ri 'thunder', D mungun 'lightning'; L yoordoyoo
'thunder', cf. G8, Tu mooloor yali or nangan 'lightning', cf. 4. Cf. KI yanpiri 'lightning'

	a	Ngawun	b	May i-Kulan	c	May i-Yapi	d	May i-Thakurti	e	Wunumara	f	May i-Kutuna ngurlungulu ?
K33	rainbow					†jinyurr		Kantju ?				
34	ground, land, country	ngurra				makiya		makiya				makiya
35	plain					wolnga		kunarri				
36	stone		mirndi		mirndi	mirndi		mirndi		pukil		mirndi
37	hill, mountain				murrku	mirndi		murrku		pukil		wayila
			(†jirrkarr)							pukil		
									?			
38	sand	mangala		mangala		mangala		mangala		makiNGu		
				(karirr)								
39	dust		thulngaru			thulngaru						thulngaru
40	mud		parrpal		manyā							
41	red ochre											†jiringiri
42	yellow ochre											parru
												mulumuLu
43	hole (in ground)			karlu		karlu						kundja ?

- K33 (c) B jīnyūr, cf. 'snake' GI (d) MM kunjo, see notes to BI and Q3, Du karvella (f) EM
 nūnūnū, T 'holo'nuru
- 34 See also D86 'camp' (b) M, O, S, PA ngoorah 'land', K yamba 'ground' (Mari lgs.) (c) PA
 mug geer 'land'; PC muggeer, An muggear, MC mug-air, 'ground', B magia 'the earth',
 (d) Mac mukkeo 'ground', MM nargee 'country' and 'ground' (= makiya?)
- 35 (c) An wolna (e) Du goonadee, cf. note to A3
- (b) M, O, S, K, PA minde, OH minti (c) PA mindi 'stone, hill', PC mirndy, mindy, MC mirn-dee
 (d) R bō-gīl, moor-kō, 'mountain, hill, rock, stone', Mac orringe (probably should be orrindi,
 see last item of 48 (f); conceivably minti) 'hill, stone', MM mindee, see also D64 and 65
 (e) R bogil 'mountain, hill, rock, stone' (f) N minti, EC mo-rin-gi; L wyeila, see 37
- 36 See also 36 (b) PA moorko 'hill', S t̄yirkar 'mountain' (c) PA see 36 (d) MM morijo 'hill',
 see note to BI, Du muidie (misr.) 'mountain' (f) T 'waila 'mountain', L wyeila 'hill'
- 37 Cf. 25 (b) PA num kullo (misr.), S karir (c) PA mun kallah, An mangulla (d) Du magingu, cf. 34
- 39 (b) M t̄ulnaru 'ashes, dust' (f) SL t̄urnaru (unsure)
- 40 (b) M
- 41 (d) R jī-ryng-ər-̄
- 42 (d) R pā-rō, 'moo-loo 'moo-loo, cf. Kl etc. paru
- 43 (b) K kalu (d) MM kornjar 'hole', see notes to RI and Q3

	a	b	c	d	e	f
K44	<i>tamp</i>					
45	<i>mark, scratch</i>					
46	<i>track</i>	†jana		wathu	†jina	
				wuyaN	†jana	wuya
47	<i>shade, shadow</i>	kumurru		maNGu	MaNGu	
48	<i>place names</i> (see opposite for details)	kalman	kuθhukuthu	tha l man	yəRaRaRa	nguMDaRuNDu
		palamburr	kukunuka	WuRuLu	Wungul	wankanari
		nguwartu		payimarra	yatakatji	punba
		warratangga		pi Lipanggal	matJiRangiRaI	thaarri
		kuparu		yaku(wi)N	makapari	+jirringirri
		pa lumbal		kaTakangandji yingu	yaRaRa	yaRiku ?
		†japun		IaDayurrkaI	kuiyiya	
				kaRaLa	ka lpuRu	WuRindi ?
						kuRiTa

- K44 (d) MM nambul
- 45 R See D56
- 46 See also A62 'foot'; 'track' is the same as 'foot' in many lgs. (c) FC wean, An janna, MC d'janna (d) MM wathoo 'path', janner 'footmark' (f) Ar wooya, EC chinna, L jeena
- 47 (c) An mingo (misr.) (d) MM mungo
- 48 Assigned to the various communalects on the basis of locality rather than informant. (a) in order, 'Flinders River', 'Wilson River ("Behind Woolgar")', 'Tallora', 'Iffley', 'Cambridge River' (?), 'Dutton River' (?), 'on Cambridge Downs' (see Bl 7(a)) (b) O, 'Broadwater (on Norman River approx. 10 miles north of junction of Yappar River)', 'near Vena Park' (c) PA thaImun 'Dismal Creek' (d) R 'yă-ră 'yă-ră 'Table Top Mt. (Cloncurry)', oo'-rō-lō, 'Black Mt. (Cloncurry)', pī-mūr-ră 'Cloncurry River Hole' (and see Mac and LM), bīl-ī-'būng-gūl 'Clonagh Stn.', yā-kō-yān 'Dalgonaaly Stn.', kă-tă-qū-'ün-jī-īng-ō 'Devoncourt Stn.' (in KI country but seems to be a Mayi name), lün- 'tā-or-gūl 'Fort Constantine', kă-ră-lă 'Williams River (now Corella River)', Mac pianurra 'Cloncurry River', LM payimara 'Cloncurry River', Du coorida 'station'
- (e) R řon-dă-'roon-doo 'Eddington Stn.', woong-'oo! 'Teilavale Stn.', yăl-lă-kăd-yĕ 'McKinlay Township', mă-chă-'rūng-ī-rūl 'Yolo Stn.', mă-kă-bū-ră 'Fullarton River' (and see Mac), yă-ră-ră, kūl-yę-ę (both) 'McKinlay River', kăl-poo-roo 'Williams River' (note that the name for Boula, in PP country, is kalpurru), Mac makapurre 'Fullarton River', orinde (= "stone", see 36) 'Williams River' (the present Williams R.; contrast R's name above) (f) EM, all waterholes in the Leichhardt River, on the present Lorraine Stn., punpa 'in Top Paddock', taaṛl 'top end of Top Paddock', yiriniri 'Cassidy Yard' (cf. D27); D Arago 'Ancestor's country and place of the first Bora', Tu Fr-co-qeh or Fr-eqeh 'Place where Bungendo made marks on rocks', see also 27.

	a	b	c	d	e	f
1 <i>one</i>	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
2 <i>two</i>	wangga	wangga	kuRuyn	pikuNDal	yinirr ?	wanggari (Tinba ?) (muwarr ?)
3 <i>three</i>	pulakarra	pulakarra	pulakarra	kurrthu	kurrpaya mathankurru (pulakarra)	kurrpaya wanggari mathaT yillatjirr (kurrpayi)
4 <i>four</i>	pulakarra	pulakarra	kurrpara	kurrthu kuRuyn	pulakarra yinirr	kurrpaya wanggari
5 <i>many</i>	martungu	yandjal	yinkamu	ngumin ?	panggu	yandjal murrku konbalakala ?

- L1 (b) PA wonka (c) P kooroi, goroine; An ingomar, see 5, MC goreen, B wanga, wan'ga
 (d) R pē-koon-dūl, Mac kooroin, MM pigundul (e) R ē-nēr (f) N wanjkari, T 'wangari:, Ar wongarri, D yongarree, L deinba, moar, Tu wangarie or wangaïn
- 2 (b) M [pulákura, palákura], PA bullagarrah (c) P bullagarrah, pullagarra, pullagarrah, An bliagura, MC bulla, B bulagara, bulagura, balaggara (d) R koor-tō, Mac kurto, MM gurtho
 (e) R koor-tō (f) N kurpaya; T 'maðan'goru, cf. 3 (c), Ar kurbayia, D goovarree, L blakarra, Tu coolbyu, coolbyn (misr.) (and note culbniadjee 'we two'). See also 3 and 4.
- 3 (a), (b), (c), cf. 2 (f) (b) M, PA goobarrah (c) PA mathingoolah, cf. 2 (f), PC pullagarrah goroine, pullgarra-goroine; An muda nuda, cf. 2 (f), bliagura noola, MC bulla-go-go-run, B kurbai-i, goorbai (d) R ō-mīn, see 5, Mac kurto kooroin, MM gurtho gurion (e) R 'plā-gă-ră-'ē-nér (f) N kurpaya wānkari, yillatYir, Ar matta, D madart, L goordbye, Tu mathad
- 4 (b) PA bullagarrah, bullagarrah (c) PC inkammo, cf. 5; An cudgello 'four', 'plenty', 'any number over three', MC incā-moo 'four', 'plenty', see 5 (d) R ō-mīn, see 5, MM umbigal, cf. Y9 (e) R plā-gă-ră plă-qă-ră (f) Ar murgoo, D moorgoo, see 5, L blakarra-blakarra; Tu mourgoo or moorigoo, see 5
- 5 (b) M yanYyal, PA gootchalo 'a good many' (c) PA gootchalo 'a good many', PC yinkammo 'plenty', cf. 4, An see 1 and 4, MC see 4; B kujulu, goojoolo, kujulu-a, kunjulu, 'many', 'a lot'
 (d) R ō-mīn, cf. 3 and 4, Mac nurlo-nurlo and see X9 (e) R pǔng-qō (f) N yanYyal, aEM, and see 3.5.1, Ar gunbalaga 'a good many' and see 4, D murgoo and see 4, tranggoo 'five', L moorgoo 'plenty', Tu murgoo and see 4

	a	b	c	d	e	f
16	Ngāwun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
16	<i>any</i>				yī(yī)	
7	<i>some</i>				(pi laRa)	
8	<i>another</i>	wanggaru	wanggara			
11	<i>black</i>	marrjin	marrjin	marrjin	marrjin	(wupi lkupi ?)
2	<i>white</i>	punaru	punamu	pulpu	punaru	(parala ?)
3	<i>red</i>		(or punaru ?)	punu		
4	<i>green</i>		paRu l	pathaRakuyn	ki lki lkaRu ?	(wurtikurti ?)
				pathapathaRakuyn		
5	<i>big</i>	purritji	wanyirr	wanyirr	martu	puKarr
6	<i>small</i>	tjalu	wanyakurru	yakuyn	tjalu	?
		†jalu	tjalu(ngayilla)	tjalu	walkatjakatjakuRu	†jalu
		†jalama la	(kata)	(kata)	(kurrrpaya)	?
7	<i>long, tall</i>	mirtan	mirtan	nguRaI	nguRaI	?

- l.6 (f) D yee
- 7 (f) D belarra, cf. 2
- 8 (b) M. Cf. l.
- M1 (b) PA marchin, 'black', 'blue'; OH mal+yin 'black skin' and see D94 'charcoal' (c) PA marchin, An maigin (d) MM margin (f) Tu see E24
- 2 (a) punara, once punaru (b) PA boonammo (c) PA boolbo, An bonearrow (f) SL [barelə], cf. 3
- 3 (b) PA barroul; OH kaput, see A70 'blood' (c) PA batha batha rug gin, An putheragine (d) MM cilicilgaroo (f) Tu see E24
- 4 (b) PA gilichun (c) PA gi lchun, An cooregon. Cf. J90 'grass'.
- 5 (b) PA wine yeer, OH wanYakuru (c) PA wine year 'big', 'strong', see also A71 'fat', PC wineyeer; An yaggoon, cf. BI, MC wunyee (d) R mā-dō, MM murdo, cf. A34 'thumb', (e) R mǔr-dō (f) EM pukar, SL murka +Yalu (but +Yalu is 'small'), also tira kuwikuwi (?) 'you're a big-mouthed bugger' (tira 'mouth'), l. bookarr
- 6 (b) M kataku, see B9 'child', PA jallo, S +Yalu, +Yalunayila, OH +Yalamala (c) PA jallo 'small'; PC kuddah, cf. B9, An challoo, MC djal-loo, 'little' (d) CC +Yatu, R châ-lō; wūl-kă-jă-jă-koo-rō, cf. A33, A39; Mac kurpia, cf. L2, L3, MM churloo (also 'children' and 'baby') (e) R châ-lō (f) SL +Yalu, [M +Yalu; Ar niun-niun, EC gar-noo, 'little', l. challo
- 7 (b) PA medun 'tail' (c) PA nqurat (d) MM ooramin

		a	b	c	d	e	f
M8	<i>short</i>	Ngawun	May-i-Kulan	May-i-Yapi	May-i-Thakurti	Wunumara	May-i-Kutuna
9	<i>heavy</i>	†jartu	thaku	thaku	thamIn	wulmal	(†haku)
10	<i>light</i>					parrpul	
11	<i>fat</i>		thankupuna				
12	<i>thin</i>		yala(rr)†ji			watjiplungu	
13	<i>full</i>					thurrtuku	
14	<i>straight</i>					kaNGai	
15	<i>crooked</i>		kulkukulku				
16	<i>wrinkled</i>		pi†jipi†ji				
17	<i>round</i>			paLandu			
18	<i>hard</i>		kundjurkundjur	(ngandingandi)			
19	<i>sharp</i>			(†japurru)			
20	<i>good</i>		kultjin	kultjin	makaI	manyu	mandjawari
					yathi	kamaNaRu	kuRu
							(makarRa)

- M8 (b,c) PA *thaggo*, cf. Biri *dagu* (d) MM *thamin* (f) aEM but may not be MK†
- 9 (d) MM *oolumu*
- 10 (d) MM *bapple*, cf. 35 'weak'
- 11 (a) Lit. 'fat-having', cf. A71
- 12 (b) PA *yallarche* (c) see 21
- 13 (d) MM *waigillongo*, verb in present tense
- 14 (d) MM *toortoojoo*, cf. Kl *tutuku* and see note to B1
- 15 (d) MM *kungu!*
- 16 (a) In terms of abuse, *tati pi!yipi!yi* to a man, *kunta pi!yipi!yi* to a woman, cf. A50, A53
- 17 (b) PA *ballanbo* (c) PA *ngoorloo*, cf. A51. Both 'a round ball'.
- 18 (b) M (*doubtful*)
- 19 (b) M (borrowing from Eng?)
- 20 (b) M, PA *gootchin* (c) P *ootchin*, *gooljin*, An *yathi*, B *kuljin* (d) R *muk-kul*, Mac *kammanurro*, MM *margui* (also *mugle 'night'*) (e) R *mun-yō*, cf. *Yandruwanda manYu* (f) EM *manyya*, manyawari, Ar *manja*, also Mandja 'Good Spirit', EC *myn-ga*, D *munga*, L *makarra*, Tu *goro*; also *mangah*, *mangarah*, 'be good'

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
M21	bad	witjungurr	mathi	mathi	mathi	mathi
		mathiyanggan	mathingurr			murta
		mathingurr				kakay
						TuNDURI
22	<i>wrong</i>				waRaparnu	
23	<i>hot, heat</i>		mayimayi	mayimayi	mandhaarra	TamuN
				muwiyn		mundja?
				wurrrparr		(wurrrparr)
24	<i>cold</i>	katja	yirrnga	yirrnga	yirrnga	
25	<i>raw</i>		kuwarru			
26	<i>rotten</i>	turru		pukarn		
27	<i>sweet</i>				+jurrikulingu?	punggarri
						TambaN
						(paR(a)ku)
28	<i>bitter</i>					+jalika
29	<i>open (of mouth)</i>					(mulungu)
30	<i>hungry</i>	pupalamba		puIngi	puIngi(ngu)	(puIngu)

- M21 (a) matinur used also, but said in 1976 to be not Ng (b) M mati, matiyanjanan, O mati(*ŋur*), PA mathee (c) PA mathee 'bad', 'weak', 'thin', PC madthee, An martingaro; B ngamb*i* kulin*jin*, ngamb*i* kooljin, lit. 'not good', cf. 20 and Y9 (d) R müt-*t̪i*, Mac mattee, MM marthy (e) R müd-d*t̪i* (f) SL milkira 'a bad one', cf. 50, Ar kakai, EC moor-da, D murda, L moorda, Tu doondoori
- 22 (d) MM waraburnu
- 23 (b) PA yang o mi mi 'heat' (cf. D91 'fire') (d) PA yang o mi mi 'heat', PC mow-een 'heat', An woodbarre 'heat', MC mow-ing 'heat' (d) MM mundara, cf. K2 'sun' (f) Ar tammoon; EC por-rid, see K2; D moonja, cf. MY muwiny - this may be a locative of that, i.e. muwiny+a, L ooibur; Tu coomrie, see D95 's *ake*'
- 24 (b) PA yerrunga (c) P yerringe, yerringer, An yerrenge, MC ye-ring-a (d) Mac yernga, MM yeanga (f) Ar yirringa, EC yen-ga, L yeiranga
- 26 (b) M
- 27 (c) PC gooljin, see 20 (d) Mac jircallingo, MM churkulingu, verb in present tense (f) SL punkari, Ar tamban, L barragoo
- 28 (f) SL, EM
- 29 (f) SL 'open', 'never shut', æEM but doubted
- 30 (a) verb 'to be hungry' (b) PA bool ngingo (verb in present tense), PC boole, An pulngee, MC bulg-gnee (d) Mac bulningo, MM pulningoo (also bulninyu 'empty'), verb in present tense (f) Ar yadda, see D98 'food', L boolning

		a	b	c	d	e	f
		Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
M31	<i>thirsty</i>		yurrrpay!	yurrrpayi	yurrrpingu		(muTingu)
32	<i>alive</i>				kaLirr		
33	<i>strong</i>		wuRakirn ?		Nowa(rr)(kuTaI)		
34	<i>vigorous</i>			wanggyVR(V)		Nowa(rr)kaLangu	
35	<i>weak</i>			parrpul		puLuN ?	
36	<i>quick</i>					NetjuNetju	
37	<i>slow</i>						
38	<i>sick</i>		yithipuna	miRi	+tjiliNGi		
				+tjilka	(or +tjiliingu?)		
39	<i>dead</i>		mutja	mutjan	mutji	murri	
					mutjuyn	murriyana	
					mutjan	(mutja)	
						(tharrputu)	
40	<i>sore</i> , see A72						
41	<i>wounded</i>					thalkiri ?	

- 2 M31 (b) S *yilpay*, PA *yurby* (c) P *yarpe*, *yourby*, MC *yur-be* (d) Mac *yoorpingo*, MM *urbingoo*, verb
 in present tense (f) Ar *yaddingayooo*, see D98 'food' and XI 'I', L *mootingoo* (verb in present
 tense)
- 32 (d) MM *karlir*
- 33 (b) PA *worragrin* (d) MM *nowargoodul*, cf. 35 – presumably nowar means 'strength', and goodul
 could be a demonstrative *kulan*, cf. X10
- 34 (b) M [wɔŋkər] "hard" (= 'vigorously')
- 35 (b) PA *barbul*, cf. 10 'light' (d) MM *nowarkulunga* (probably 'strength-lacking', cf. 44 (d))
- 36 (d) MM *bodlun*
- 37 (d) MM *niju niju*
- 38 (a) *yiti* presumably 'stickiness', attested only in *yitipuna* 'sick', *yitimpā* 'to be sick', see A75
 (b) PA *mirree*, S *Yillkan* 'was sick' (d) PA *jillinge*, possibly verb, present tense, cf. (b) S
- 39 Also at UI5. (a) 'to die' (b) PA *mootchon*, S *mutyan* 'died' (c) PA *moothche*; PC *moothchon*,
 An *mootchum*, MC *moo-gun*, probably all verbs in past tense (d) Mac *moochoin*, possibly *mutya* plus
 nominaliser; MM *mujanoo*, = *mutya* plus past tense; Du *moochingoo* 'dead man', seems to be *mutya* +
 present tense (f) SL *muriyana*, aEM, Ar moriana, probably includes -ya 'inchoative' and -ha
 'past tense', EC more, D *mooree* 'to die', L *mokan*; SL *tarpulu* in *yantana* *tarpulu* "going to kill
 him right out", cf. Q1; Tu *wogumbie* 'to die', see N3
- 41 (b) M, doubtful

		a	b	c	d	e	f
M42	<i>Lame</i>	Ngawun	Mayi-Kulan	Mayi-Yapî	Mayi-Thakurtî	Wunumara	Mayi-Kutuna
		ngurlpa	lîlinki or lîlindji	lîlindjingu			
43	<i>blind</i>	warramutju	warramutju	mîlmutju	warramutju		
44	<i>deaf, stupid</i>	thulukumbu	mîlikundja	thîrrpakumbu	pînarrkalangu		
45	<i>mad</i>	wama	pinârkundja (yalnga)	(poss. thulukumbu)	wama		
46	<i>drunk</i>		kamukamupuna				
47	<i>greedy</i>		kawâthurra	katjipuna			
48	<i>lie, liar, nonsense</i>		katjî	katjiparri	or katjipunu(yn)		
			katjipuna	katjipuna			
49	<i>tired, lazy</i>		mundjamba	lîrrikî	lîrrikî		
			kakamba	kakamba			
50	<i>cheeky, sulky</i>		milkirra	milkirra	milkirra		
51	<i>pugnacious, angry</i>		tharrkunbuna	yîla	yîlapuna		
52	<i>frightened</i>		kawa	kawi	kawi		
				murrun	murrun		
					tha ka!		

- M42 (b) PA lillinke (c) PA lillin jingo (verb, present tense)
- 43 (b) PA warra, moocho; OH milikuny̫a, lit. 'eye-lacking', cf. A6 (c) An mitmojoo
(d) MM waramugu
- 44 (a) 'deaf' (b) PA yalnah 'deaf'; OH pinatkuny̫a, lit. 'ear-lacking', cf. A10 (c) PA wammah 'deaf', cf. 45; An thirba-cumbo 'deaf, stupid', cf. (a) (d) MM pennekalunu, lit. 'ear-lacking', cf. 35 and A10
- 45 (c) PA see 44, An womma
- 46 (b) M, lit. 'grog-having', cf. D10!
- 48 (a) kat̫i 'a lie', kat̫ipari and kat̫ipuna 'liar' (c) An codjebungo 'a liar, nonsense', see 3.4.1
- 49 (a) both 'to be tired' (b) M kakampa 'to be tired', PA lirke 'tired' (c) PA lirreke 'tired', An lerike 'lazy'; B lirgingu, lirqingu, lir'gingu, leergaoo, 'an tired' (d) MM lergingu (verb, present tense)
- 50 (d) Du mittetta 'sulky woman' (f) SL (see 21), JM
- 51 (a) "sway", -puna 'having' but tarkun alone not recognised (b) M vilta "grow" (c) An eula, B im Sunu hanjil kujulu yulambina *nyur* [sic, cf. X10] a *for* *of* *own* talking about and wanting to *drink*
- 52 (a) 'to be *prickly*' (b) M (d) MM kowinjar, possibly *satiny kawinka* or *kawinga*, see notes to 21 and 45 (e) N tikkar (dwarf), JM talki

	a	b	c	d	e	f
Ngawun		Mayi-Kulan	Mayi-Yapî	Mayi-Thakurtî	Wunumara	Mayi-Kutuna
M53	<i>jealous</i>	kunyin thara				
N1	<i>sit, stay</i>	yina	yina	yina	(yinV)	yina
2	<i>stand</i>	thara	thara	patjV		
3	<i>lie, sleep</i>	kumi na	wandji	wandji	wukamba	
4	<i>dream, same as 'totem'</i> , see D37				+jil+jV	
5	<i>hide</i>					(+julurrrma)
O1	<i>go, come,</i>	wapa	wapa	wapa	wapa	yatji
	<i>walk, hunt</i>					(pangga)

- M53 (a) 'to be jealous', cf. A8 'nose' and N2 'to stand'
- N1 Glossed 'sit' except where noted (b) M, O, S, (M also wanYi but see 3), PA yeenah 'sitting down' (c) PA yenne 'sitting down', PC yenni, An yinna (d) CC ininu (present tense), Mac yennia, MM yThnar (d/e) LM uses iniliyu, meaning not clear (f) N, SL, Leeningoo (present tense)
- 2 (b) M, O, PA tharry tharry 'standing still' (c) PA batchingo 'standing still'
- 3 (b) M (c) PC waujilje (misr. wan-), An wongilgee, both purposive; MC wanjilbo, probably present tense (d) Mac wongilgee (purposive), MM wongil (f) N 'lie', aEM 'lie, sleep'; SL, Ar woogamba, EC oo-kom-bi, L ookambirr, 'sleep', Tu see M39
- 5 (b) M (f) SL 'hiding' (doubtful)
- O1 (b) M panka (see 6), wapa 'go', O wapa 'go, walk about', PA wabbah 'walk', wobbi 'to hunt', S [wanga] 'come' ('go?'), [bangan] 'come', [bang] 'will go', [barjan] 'come', [barja] 'climb', [wabi] 'is coming', [waban] 'got' (c) PA wabby 'walking'; wobbi, wobba, wobbe, 'to hunt'; see also W5 'a long time ago'; PC wabi, An jan muggear (lit. 'foot ground', see A62, K34), MC wabe, 'walk', B waba 'to go' (d) Mac wapingo (present tense) 'walk', MM wobarloo 'go', woobar 'walk' (f) N panka 'go' (cf. 6), Ar kurrai (see 2), EC a-qi-la-gi, D yagee, L yadger, Tu h'r'dgi, 'walk'. Note that some of the less competent informants in Bidjara used the verb 'run' for 'go', as do M, S and N.

	a	b	c	d	e	f
	Ngawun	May-i-Kulan	May-i-Yapi	May-i-Thakurti	Wunumara	May-i-Kutuna:
02	<i>go, go home, go away, come</i>	kurra	kurra	kurra ?	kurra	
3	<i>go away</i>	thala	thala			
4	<i>go in, dive</i>	thurrika	thurrika			
5	<i>swim</i>	pima	pima			
6	<i>run</i>	pangga	pangga	pangga (wangga ?)	pangga	
				luRa		
					purrkuTali ?	
7	<i>jump</i>					
8	<i>play, dance</i>	kanba	(kanba)			
9	<i>get up, climb</i>		waLa	waLa		
			(wara)			
10	<i>fall (incl. of rain), set (of sun)</i>	kalka	kalka	kalka	kalka	kalka
11	<i>look for</i>	ngamba	ngamba			

- 02 (a) 'go', 'go home', (b) O 'go away', 'come' (c) An cooraboin 'go away' (d) MM kowar 'come'
 (may be /kura/ or may be /kawa/ 'come on' as in YI, PP etc., cf. YI) (f) EM kuralkural
 'going away', Ar see I, D coolingoora 'to go away' and see YI, L see YI; Tu goroluiigo miornie,
 also written gorolaiigo-miornie, and gnor-, 'to go away' (perhaps the aigo (~ uigo) is naykuu
 'I', see XI)
- 3 (b) M, O (f) see 6
- 4 (b) PA thurkingo 'diving' (d) PA thoorkie 'diving'
- 5 (b) PA beemingo 'swimming', beemi 'to swim' (c) PA binme 'swimming', beemi, beema, beemun
- 6 (a) cf. I (b) PA bunkah, bunki and see BI 7 (c) PA wangalbo 'running', bunki, bunks, bunkun,
 An looran (d) MM banjar, see note to BI, Du bangingo 'man running' (f) SL [walandja]?,
 T paŋkai (also 'go away'), D bonggiee, Tu bangaree
- 7 (c) An poorcoodal le
- 8 (b) O
- 9 (b) O wara, PA walli (c) PA walli, walla, wallun, An wollai
- 10 (b) M kalka (also walV, very doubtful) (c) An culgote (miser. culgee) and see K28, B binjamu
 kalgingu 'sunset' (d) MM kalganoo (past tense) (f) N; Ar, L, see K28
- 11 (b) M, O

		a	b	c	d	e	f
PI	<i>take, get, bring</i>	Ngawun marra mandja mandjirra kandja	Mai-i-Kulan (marra) (panda)	Mai-i-Yapi Kurrv	Mai-i-Thakurti ?	Wunumara wukā	Mayi-Kutuna wukā
2	<i>bring</i>						
3	<i>carry</i>						
4	<i>fetch</i>						
5	<i>collect</i>						
6	<i>lift</i>						
7	<i>put down, leave (trans.)</i>						wanda + ?
8	<i>hold, touch</i>						
9	<i>give</i>						
10	<i>steal</i>						
11	<i>lose</i>						
12	<i>give up</i>						
13	<i>throw</i>						
QI	<i>hit, kill</i>						

- PI (a) mara 'take', man^ya 'take, get', man^yirra 'get, bring', kany^ya 'take, bring', and
see 2 to 5 (b) M panta (doubtful), O marr'a 'get' (d) MM goorealu 'take', cf. 3
(f) N 'give', 'get', 'bring', D voganuna
- 2 (d) MM butterain (a noun?). Cf. 3(d); the root could be the same.
- 3 (a) cf. 02 (d) MM weejaramar, see note to BI
- 5 (a) as grass for a bed
- 6 (d) MM woolbalamar
- 7 (b) M (c) An idger-idger 'leave it alone' (f) D wondiceao 'to release'
- 8 (b) O (f) D mendiee, and see U7 'feel'
- 9 (b) O (c) An burly-burly (d) MM yumbain (f) D oogiee
- 10 (b) M (c) PA bagarribo
- 11 (f) D eenamiee
- 13 (b) M [lawal, lawul], O yawa, S yalkaru, PA lowi (c) PA lowi, Iowa, Iowen
- QI (a) puwa 'hit, kill'; pundja 'belt, kill' (b) M pundja, O, S puwa (c) An bunge 'to kill',
cowe (mishearing?) 'to strike' (d) MM boor 'strike', boooao 'kill' (past tense)
(f) N n^yimpi 'hit', 'bite' (?), SL yanta 'hit'

	a	b	c	d	e	f
Q2	<i>kill with mangani</i> (see D40)	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara Mayi-Kutuna
3	<i>fight</i>	pundjamba	pundjapV	pundjapV	pundjapV	mando
4	<i>spear</i>			?	?	(nyindi)
5	<i>kick</i>	kunda				
6	<i>break</i>	kundja	kundja	thawu	Totawa (poss. +thawa)	
7	<i>grind</i>		kundha			
8	<i>cut</i>	thaya	(thaya) (kumu)	parila		
9	<i>prick</i>	pirrirra	(pirrirra)			
10	<i>scratch</i>			yari(i)pa		
11	<i>bite</i>	patha	patha			
12	<i>shake</i>				(marrkurrū)	
13	<i>burn (trans.)</i>	thindha				

- Q2 (d) RB (Roth 1903:37) manda
- 3 Reciprocal cf puny^tya (see 1) in most items (b) O puny^tampa, PA boonchaby 'fighting'
 (c) PA larra thulbo '*fighting*', An boonjabbe (d) MM boonjabinju (present tense, note η spell +
 nj also in U6 and perhaps other words), Du palveroo '*fight*'
- 4 (f) SL, cf. 1
- 6 (a) Also taya, cf. 8 (b) M kuny^tya, cf. 7, thawu, PA thewi (d) MM tu+awar
- 7 (b) PA gunthi
- 8 (b) O k_iy^t, (t) k_ipunti (not in kumu 'p^th_ig_iip' *but off*) (not in Verb ?) (c) A₁ parrelun
- 9 (b) O
- 10 (c) An yarrabulbo
- 11 See also U8 '*eat*' (b) M, O (c) see U8 (d) see U8 (f) see 1 '*hit*'
- 12 (b) S
- 13 (f) U hanum (pidgin ?), Tu yangon-barra '*to burn with fire*', cf. Eng '*fire*'

	a	b	c	d	e	f
	Ngawun	May i-Kul an	May i-Yap i	May i-Thakurt i	Wunumara	May i-Kutuna
R1	<i>light</i> (<i>a fire</i>)	mandjirra				
2	<i>put out</i> (<i>fire</i>)	kultjirra				
3	<i>cook</i>	thindharra				
4	<i>make</i>	pa(rr)ma(rra)	pira	and/or	piNi ?	porMV
		†jindamba	piya			
			(pamarra)			
			(mirringga)			
5	<i>dig</i>		waRa			
6	<i>cover</i>	kamburra				
7	<i>wet</i>	thuwa				
8	<i>wash</i>	warrtjima				
S1	<i>burn</i> (<i>intr.</i>)	yirrpá				
2	<i>shine</i>		mimby			
3	<i>run</i> (<i>of water or</i> <i>a shooting star</i>)	pura				
4	<i>burst</i>		(kunburri)			
5	<i>stick</i>	(pákuyñ)				

R1 (a) cf. PI

- 4 (a) parmarra, parma, pamara, pirma; in 1976 pamara (i.e. probably all four variants) was said to be MKI (b) M pira, piya, cf. 18 'sing'; S [maga] (Pidgin ?), mirinka, O see (a) (c) An jan-mugear, cf. OI (d) MM pini (f) D burmi

5 (b) PA warri

7 (a) also heard tura

8 (a) from Pidgin (b) M turka, see 04 'go in, dive'

S2 (f) D mimby

3 (a) of water (b) jinbe booringo 'falling star' (c) PA booringo jinbe 'falling star'

4 (b) PA goonbor "when it [a falling star] bursts". May be a noun, 'explosion'. Cf. K4 'star'

5 (c) An buggooin (may be a noun)

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wunumara	Mayi-Kutuna
T1	<i>know</i>			Nandha		
2	<i>think</i>			Nandhawandjiti	?	?
3	<i>I don't know</i>			?	?	?
4	<i>talk, say, speak</i>	maya	maya	maya	(maya)	maya
5	<i>tell</i>	mayimirra		mayimirra	mayimba	?
6	<i>call out</i>	watha	(watha)			
7	<i>tell a lie</i>	katja				
8	<i>sing</i>	puwa	piya	piya		
			(piraku)			
9	<i>laugh</i>	yitjamba	+jinkv	+jinkv	withama	yitjamba
10	<i>cry</i>	parra		parra		parra

- T1 (d) MM nunthanu (past tense) (f) D goolinamulbada, cf. 3, first part may be a demonstrative kulinY, see X10; namalpata ('see' plus affixes, cf. U3), see 3.5.3; Tu says there is no word 'to know'
- 2 (d) MM nunduanjilingu, present tense, cf. I and N3 (see also notes to B1 and Q3)
- 3 (c) PC wanthan kogool (answer to a 'where?' question, but seems to contain the word 'where?', cf. X16), An unipeenummello (may contain jani 'what?', XI5, and nama 'see', U3) (d) Mac nee kol, MM unuguharar (f) Ar yaddi galao, cf. Yg 'no', D woolloomanbadda, cf. I, U3, XI2
- 4 See also D47 'speech, language' (b) O maya, S yampa, PA myi 'to speak' (c) An mi-hi-ya, B see D47 (d) see D47 (f) N, D mii, Tu mai-ai and see U5
- 5 (a) cf. D47 (c) (d) MM minbar
- 6 (b) O (c) PA see 10
- 7 (a) cf. M48
- 8 (a) = 'hit' but has warma 'song' as object; the verb 'to hit' is also used for 'to sing' in Wangkumara and Yandruwanda (b) M piraku (doubtful), piya, aM puwa (c) An pea-al-e (d) MM piala
- 9 (b,c) PA jinke 'Laughing' (c) An idjambe (d) Du withamango (present tense)
- 10 (b) M, PA barry (c) PA barringo (also 'call out') and see K32, An parre 'to cry or weep' (d) MM paringu, Du berringoo, present tense

	a	b	c	d	e	f
T11	ask	(pandjV)				
12	want, lack					
13	like	(makirr)	?			
U1	live					
2	grow				+tjanberV ?	
3	see	nhama	nhama	nhama	nhangama ?	nhama (wa a)
4	watch		thandha	ngangga		
			thathha	nhuma		
5	hear			ngangga		
6	smell		nhuma			
7	feel					nhandā (kundh iwANDu)
8	eat, drink		mandha	patha	patha	
			patha		Nuka	
					(pandh iputha)	
9	taste			pambarra		
10	vomit					kulmi
11	urinate					(kiparri)

- T11 (b) M, meaning doubtful
- I2 (b) S, meaning doubtful, does not seem to be a verb, cf. BII (a)
- I3 (d) MM marinjerbutthalbu, may contain pata 'eat', u8, and see notes to BI and Q3
- UI (f) D doondoo, Tu murrie
- 2 (d) MM janberingu (present tense), could contain *tyan(a)* 'foot', A62
- 3 (b) M, O, S nama (c) PC namalyee, An numilla (d) MM nungarmunu (f) SL walamba, D namiee, L wollomillebilda, cf. T3; Tu to barre, see A6 'eye',
- 4 (a) both used several times
- 5 (d) MM nungun (f) D narmiee, cf. 3; Tu myaa, cf. T4
- 6 (d) MM noomalbunju 'smell' (noun) but clearly a verb in present tense, see note to Q3
- 7 (f) D nandieo, cf. P8 'hold', Tu goonthi-wondoo!
- 8 See also Q11 'bite' (a) cf. D98; manta 'food' occurs in a number of languages (b) M 'eat', (c) PA malla roongo 'to drink with the hand' (= 'hand-INST', cf. A31), PC bathalyee, An pattalge 'eat', nookalqe 'drink', MC harndthe boodtha (d) Mac batalpo 'eat', batalgee 'drink', (f) Ar yadda 'eat', see D98 'food'; L tangoola 'eat', see A12 'mouth',
- 10 (c) PA coolmees
- I1 (b) M, doubtful, cf. A54

	a	b	c	d	e	f
	Ngawun	Mayi-Kulan	Mayi-Yapi	Mayi-Thakurti	Wumumara	Mayi-Kutuna
U12	<i>copulate</i>	tha pa				
13	<i>marry</i>			ngathiya tjierrka?		
14	<i>lay (an egg)</i>	thu ma				
15	<i>die</i>	mutja	mutja	mutja	murrinya	
V1	<i>north</i>	yanggal		yakupiRi	ngara	
2	<i>south</i>	kulpila		maNdaBa	kuwa	
3	<i>east</i>	ngara		kunggaRi	purraala	
4	<i>west</i>	kuwa		runggarri		
5	<i>north-east</i>			katjili		
6	<i>north-west</i>			kulpiJa		
7	<i>hither</i>	wirrkandu	(wirrkandu)			
8	<i>close, near</i>		pirra			
9	<i>this side</i>				waLikol	

UI2 (b) M

- 13 (d) MM nathi eiergebabu, presumably *natiya* 'spouse' C18 plus a verb (and see note to BI)

15 See M39 'dead'

V1-4 Note the evidence for a 90° anticlockwise rotation in compass points as one goes from east to west (from Ng to MKt). This is paralleled by the same rotation in going from the Eastern to the Western dialect of Wagaya, and in going from Andegerebenha to the other (further west) dialects of the Aranda language.

1 (d) R yük-koo-bë-rî (f) T 'ña:ra

2 (d) R mün-të-bâ (f) T 'ko'adjiba

3 (d) R koong-gä-rî; kunjkarí and kunjkarí (and similar forms) are widespread, meaning 'north' or 'east' (e.g. in Kk, Wangkumara, Gugu-Badhun) (f) T 'pu'ra:la, pura:ladjiba

4 (d) R roong-kä-rî, cf. Kl runjkarí

5 (d) R küd-yî-rî

6 (d) R kool-bë-lä, cf. 2

7 (a) dative form, nominative not attested (b) 0

8 (b) M pirapira (not translated, in a sentence), FA beerah 'close up', (c) FA beerha 'close up'

9 (c) An wallekul

		a	b	c	d	e	f
V10	<i>the other side</i>	Ngawun	May i -Kulan	May i-Yapi	May i-Thakurti	Wunumara	May i-Kuttuna
W1	<i>tomorrow</i>	puringgirr	puringgirr (puringgirr)	puringgirr	puringgirr wa(rr)kumaRa	puringgirr NuLaR-	
2	<i>yesterday</i>	warralkul	pirikul (warralkul)	pirikul	pirikul	piringga(rr)?	
3	<i>today</i>	warrangkul		kinulkul ?	kinulkul ?	?	
				kuwal or	wuyal or	NiLa	
				nguwali ?	nguwali ?	yaTaLi	
4	<i>by and by, soon</i>	ngala ?	ngala ?	ngala ?	ngala ?	kari ?	
5	<i>a Long time ago</i>	yatjaRa		yatjaRa	(wuRu)	ngala (wuRu)	
X1	<i>I</i>	ngayu	ngayi	ngayi	ngayi ku	ngayu (ngayu)	ngayu (ngayu)
2	<i>you</i>			ngayi ku	(ngayi kura)	(ngay iku)	(ngay iku)
				ngayi ku	(ngay iku)	yundu	yundu
						yunduyn	yunduyn

- V10 (c) An narrakejia
- W1 (a) also '*this morning*' (b) M [perɪŋkar], O [purɪŋkir], PA birringah (c) P birringah, birringeer, An pirrager, MC bering-a (d) Mac birrengar, MM wargumurra (e) N pirinkir, EC noo-la-ran, L noolar, see also 2
- 2 (b) O waralkulunku (Loc.), PA birregool (c) P birree gool, birregool, An pirregool, MC boo-ru-gul (d) Mac birrakol, MM genodl jndl (misr. genool) ? , see note to BI (f) Ar birringa, EC iriem, L bringar. Note possible formativ -kul in (a), (b), (c), (d).
- 3 (c) PC kowal, An cowal, MC g'nowl (d) Mac woyyal; MM kuri, cf. PP kari (f) Ar nilla, EC ya-ta-li; L neilar, cf. K15 'day' and note that a number of Mari dialects have niYa or some such form (see for example Breen, forthcoming, Appendix 1, item Y3)
- 4 (a) by and by (b) S njali 'soon' (c) PC ngulla, MC ullia (d) Mac warlia (f) Ar wurrup, cf. 5(c), L nalla, 'by and by'
- 5 (b) PA yatchcharah (c) PA wooroo wooroo wabingo (wabingo is 'go-PRES' and see 4 (f))
- X1 (b) M, S, O nayu, PA ngice (misr. ngiee) (c) P ngle, ngiego, An ngio, MC ngiego, B ngai, ngai (in ngambungai, probably nampi nayi 'no I') (d) CC; Mac, MM nigo (misr. ngio) (d/e) LM nayikura (- nayi kura?) (f) N nayu, nayuku, also [nay], SL nayu; Ar yundou, see 2; D moona, possibly naya 'me', L nyegoo, Tu ni-u
- 2 M, O yuntu, O yuntunY (c) P yundo, An undoo, MC yundo, B yundu (d) CC [yundərə], Mac yoondo, MM yundu (f) N, SL; Ar nayou, see 1; EC nayoo, see 1, L yooandoo, Tu yundu

		a	b	c	d	e	f
X3	<i>he, she, it</i>	Ngawun (warti)	May i-Kulan nhulu (warti)	May i-Yapi nhulu	May i-Thakurti nulu	Wurumara ?	May i-Kutuna ngali ngalindu
4	<i>we (dual)</i>	ngali	ngali	ngali	ngali	ngali	ngali ?
5	<i>you (dual)</i>	yipala (yipala)	pala	(pala)			
6	<i>they (dual)</i>						
7	<i>we (plural)</i>	ngana	ngana	nganayirra	ngana	ngala (=ngana?)	(ngana)
8	<i>you (plural)</i>	yarra	yarra	yarra	yarra	yarra	
9	<i>they (plural)</i>	thana	thana	thana	thana	thana	
10	<i>this, here</i>	kula	kula	kunu	kulan	(kura)	kutu
		kunu	kunu	kunama	(kura)	kutuyn	(kuluyn)
		kuli	kuluyn	kuluyn	kula		(kulu-)

- X3 (a) see 13 (b) M nulu, O wati; S +yunu, see 11, PA nullo (c) PA nullo (f) SL nulu 'him'; D yonggaringgr 'he', malanawrnoo 'his', unamubbada 'she', Tu gool-i-yed-ah, goolin-goolin, cf. 10 and T1; see 3.5.2
- 4 (b) O, aM (c) B ngali 'we two', 'we' (d) LM ḷali, MM rulyindu 'we'; unarar 'ours', see 7 (f) N ḷali, D nanaramoondamoo 'we' and see 7; Tu culbriadgee, culbriadjie, cf. L2 'two' and O! 'go' and see 8
- 5 (b) M, O, S gives yipala as 'your (sing.)' (f) D brie
- 6 (b) O (f) D yangadamoo 'these two', cf. 7, goolganawrnoo 'hers (two)' (d) LM ḷananjintapir, possibly allative, MM see 4 (f) D naleeyingdamoo 'our', see 4; Tu culbriadjie-murgo, see 4 and L5 'many'
- 8 (b) O, aM, PA yarra (c) PA yarra (f) Tu nahlin-doo, cf. 4
- 9 (b) M 'they' (b,c) PA thanna 'they' (d) MM goonulnoorloo 'they', probably kulan Nulu 'this many', cf. 10 and L5 (f) D nana, cf. 7
- 10 (a) kula said to be Ng and kunu MKI, but kunu occurs more often than kula in the corpus. kuli is rare. (b) M, O, S, kula, kunu; PA golong in limbeen-jar-golong, see B16, Tu kulin in the name 'Maikulun' (see 3.4.2) (c) PC golong as in (b) PA; An coona, ma (poss. coona-ma was intended); poss. kula in thoī-onga-goola, see B16, B gunu, written 'hear' in the translation of a sentence, see M51 (d) K in lim-bi-jā-koo-lün and tēn-gūl-ā-doo-lün, see B16 (d/e) LM in ḷeyikura (f) N kutu, never translated, T kudun in the name 'Maikulun'; t goodo, see 3.5.2 and see 3.5.2

	a	b	c	d	e	f
XII	Ngawun †junu †jila	May i -Kulan †junu	May i -Yapi (+junu)	May i -Thakurti (+junu)	Wunumara	May i -Kutuna †jiti
12	that, nearby	wulu	wulu	wulu	(warta)	
13	that (<i>unmarked?</i>)	warti	(warti)		(warta)	
14	who?	wanyu	wanyu	wanyu ?		(ngani)
15	what?	ngani	ngani	ngani		ngani
16	where?	wandhi	wandha	wandha	wandhu	
17	how?	wandha			nganininggu ?	
18	when?				nganipaRa ?	
YI	come on, come here	kap i	kap i	kap i	kuyan	kap i
2	question marker			way i		
3	don't	piya		piya	patji	
4	just			yumi rr		
5	just, now	nya l		nya l	(nya l)	

- XII (b) M, O, S (d) used by CC but not translated (f) N, never translated, see 3.5.2
- 12 (b) PA woolo 'far away' (c) PA woolloo 'far away'
- 13 (b) O (d/e) LM, in a sentence, not translated
- 14 (b) M (d) MM urnu (f) N wanta, wantar, cf. 16; EM [ŋanikuru yirman] "Who are you?", possibly
ŋani kutu yirman 'Who is this man?', but see 15, note also KI dani 'who?'
- 15 (b) M, O (c) An, see 3.4.2 (d) MM uni, note also wondare 'why?' which is normally (in Mayi
and neighbouring languages) the dative of 'what?' - here ŋanantu or ŋaninuntu would be expected.
- 16 (b) M (c) PC wantha, An wautra (misr.), nantra (misr.) (d) MM wundoo (In wundoo narjerar
'Where are the blacks?'), wondu
- 17 (a) cf. 16 (d) MM unginiyu, see notes to BI and Q3 and cf. 15; it may be an instrumental form
of 'what?'
- 18 (d) MM ungeeitura, cf. 15 and 17
- YI (b) M, O (c) PC cubbe, An cubbe, MC kub-bee (d) Mac kooyan (f) N, adEM; T kab i 'ŋašara'kuda,
cf. 3.5.2, Ar kabbiyao, EC kabio; D goora, L karrai, see 02, Tu cabaijo
- 3 (b) M, O, S; O also [pati]
- 5 (b) O

	a	b	c	d	e	f
Ngawun						
γ6	<i>just, only</i>	yunggal wunggal	yingga! (yunggal)	May i-Kulan	May i-Yapi	May i-Thakurti
7	<i>marker of past tense</i>		(wī!)			
8	<i>yes</i>	ngawiku	ngīya	ngīya	ngīya	ngīya
9	<i>no</i>	walki	ngambi	ngambi	ngambi	ngambi
				kaliti	?	?
					?	?
					?	?

- Y6 (b) S yinkal, O yunkal
- 7 (c) PA, see 3.4.3
- 8 (c) PC ngeah, An ngear, MC ngeea (d) Mac neea, MM ner (f) T iu:, Ar kullilli, EC ga-vi-a,
 L kooloogalla (may include a demonstrative, see X10)
- 9 (b) both M, O; S rampi (c) PC ngumpy, An umpee, MC n'gumbi, B ngambi 'no, none, not'
 (d) Mac numbe, MM umbi (f) SL, T 'jadi, Ar yaddi, EC yad-di, L nambi

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