### FROM SONSOROL TO TRUK:

#### A DIALECT CHAIN

by Edward Miller Quackenbush

A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in The University of Michigan 1968

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#### INTRODUCTION

The research reported here is an attempt to answer some very general questions about the internal classification of the Trukic group of languages. The conclusions are based almost entirely upon analysis of lexical data and upon the inventories and correspondences of segmental phonemes. This is a broad initial survey, and it inevitably leaves many important questions unanswered -- for example, a study of the suprasegmentals or the morphophonemics (to say nothing of syntax) might disclose a different dimension to the relationships among the languages. Unfortunately, it was also not practical to attempt any sort of formal experimental approach to the whole matter of mutual intelligibility among the islands. Recent attempts to apply a quantitative measure to this elusive concept are found in Voegelin and Harris (1951), Wolff (1959), and Yamagiwa (1967); the Trukic languages, comprising as they do a rather neat example of a dialect chain, would appear to be an apt testing-ground for further refinement of the techniques of measuring mutual intelligibility.

The field work was supported in part by the Office of International Programs of the University of Hawaii in conjunction with its Peace Corps training program for Micronesia,

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in part by the Pacific and Asian Linguistics Institute of the University of Hawaii, and by a National Defense Foreign Language fellowship at The University of Michigan. The writing was done under a grant from the Department of Linguistics of The University of Michigan and during time generously made available to me by the Department of Languages and Linguistics of the University of Rochester.

The field work was begun in Hawaii, but most of the interviews were conducted on Palau, Yap, Saipan, and Truk.

While in Micronesia, I was helped in ways too numerous to detail by friends, both old and new, too numerous to name individually. These people have my sincere gratitude, as do those who were most inconvenienced during the time this work was in progress--my informants, of course, but more especially my family.

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### A B S T R A C T

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by

Edward Miller Quackenbush

Chairman: Peter Fodale

Most of the sixty-odd small islands and atolls from Truk westward in the Central and West Caroline Islands have languages about which little else has been known excepting that they are closely related with Trukese. This study is a linguistic survey of the area, intended to determine how many different languages there are, where their boundaries are located, and what kind of relationships exist among them. Linguistic information was elicited directly from informants from each of seventeen locations selected as representative. The questionnaire consisted of the 200 word Swadesh list for lexicostatistics and nearly 400 more items from general and

cultural vocabulary.

While differing greatly on the phonetic level, the languages were found to have highly comparable phonological structures with clear and regular patterns of sound correspondence in cognate vocabulary, especially in the consonants. The isoglosses drawn on this basis tend to be lines which run straight north and south at scattered intervals rather

than in bundles. Each of the dialect areas thus delimited shares sets of features with the other such areas to its east which are different from the sets which it shares with the dialects to its west; thus each distinct dialect area can be viewed as a transition zone between the dialects on either side of it.

A comparison of the basic vocabularies of the various dialects discloses a comparable patterning: languages which are close together geographically have higher percentages of

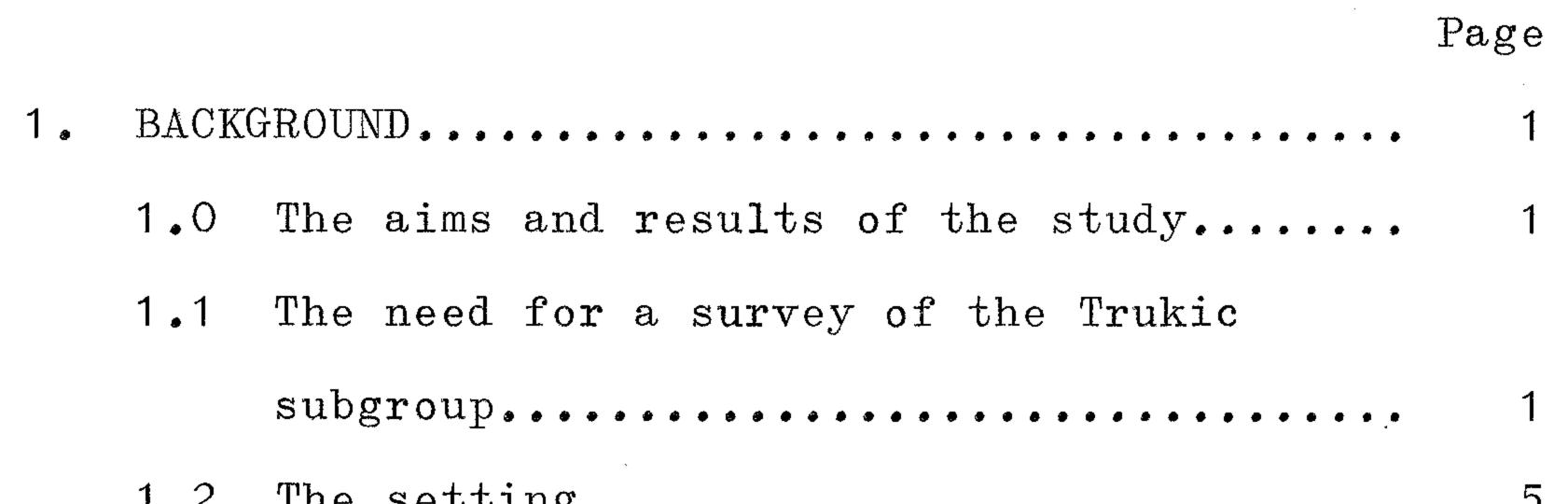
cognate vocabulary and those which are separated by larger expanses of ocean have smaller percentages. The islands are connected by a chain of percentages of seventy-eight or higher. Analysis of exclusively-shared lexical items gives results which conform closely to the other findings. The conclusion to be drawn from the linguistic data is that these islands form an exceptionally well-defined example of a dialect chain, and this conclusion is strongly supported by non-linguistic, anecdotal, data. An appendix contains the complete set of word lists used in the analysis.

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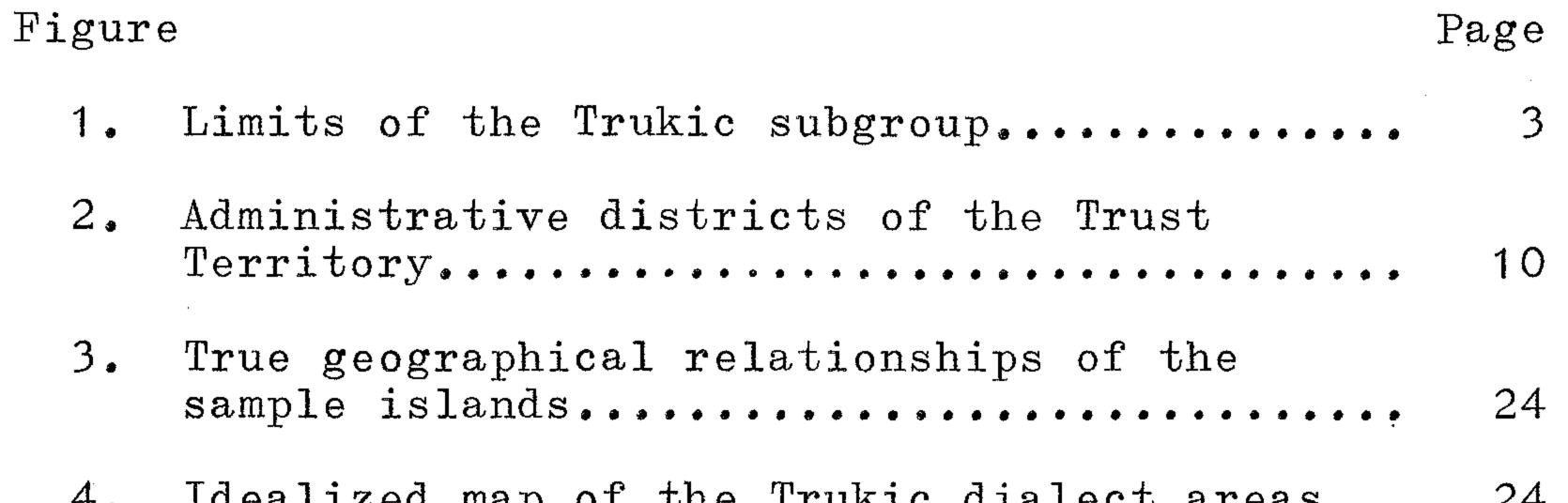
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#### 1. BACKGROUND

1.0 <u>The aims and results of the study</u>. The aims of this study are comparative and descriptive. It is a linguistic survey of a very obscure group of languages, the Trukic subgroup of nuclear Micronesian. It is the first study to demonstrate the essential linguistic unity of the group and to provide a description of the chief features of diversity which set off one of its languages or dialects from another. It thus provides an empirical basis for locating language boundaries in the Central and West Caroline Islands, at the same time showing that the Trukic languages constitute an exceptionally well-defined example of a linguistic continuum, or dialect chain.

1.1 <u>The need for a survey of the Trukic subgroup</u>. Most of the inhabitants of the United States Trust Territory of the Pacific Islands speak languages which are commonly classified as nuclear Micronesian. This term excludes the languages of Yap (Yapese), Palau (Palauan), the Marianas (Chamorro), and the two Polynesian outliers, Kapingamarangi and Nukuoro; it includes Gilbertese, Nauruan, Marshallese, Kusaiean, Ponapean, and the Trukic subgroup. The latter is made up of Trukese with its dialects and all the languages and dialects spoken on some thirty-five atolls and isolated islands to the north and south of Truk and scattered across

the ocean for about 1,500 miles to the west (see Figure 1).<sup>1</sup>

The total number of separate inhabited islands with Trukic languages is about sixty-six. Even on relatively small atolls such as Woleai, native speakers are aware of dialect differences from islet to islet, and there is often recognizable, if minor, dialect differentiation between some villages on the same island. On Moen and Tol in Truk, the two largest and most populous islands in the area covered by this survey, each of the four or five main villages on each island has its own dialectal peculiarities, and Alkire (1965: 72) even reports such differences for Lamotrek, an island of only 154 acres, where the two villages are scarcely 150 yards apart. Thus there are probably at least sixty distinct dialects in the subgroup, and there are possibly many more.

Information about these languages has been so scarce that even though there have been many published attempts to summarize the linguistic situation in the Trust Territory, they all suffer from inaccuracy, or incompleteness, or both. Publications of the Trust Territory Government invariably distort the language picture, partly because of confusion

<sup>&</sup>lt;sup>1</sup>For purposes of this work the term "Trukic" will be used in reference to the languages and dialects which belong to the subgroup, and the term "Caroline" in linguistic contexts will be used in an ad hoc sense to refer to the islands where the people speak Trukic languages. This usage excludes Yap, Palau, Kusaie, Ponape, and the Polynesian outliers, all of which are geographically Caroline but linguistically non-Trukic, and it includes Saipan, which is geographically a part of the Marianas but has a sizable minority (about 2,000, or one-fourth of the population) of Carolinians who speak several Trukic dialects.

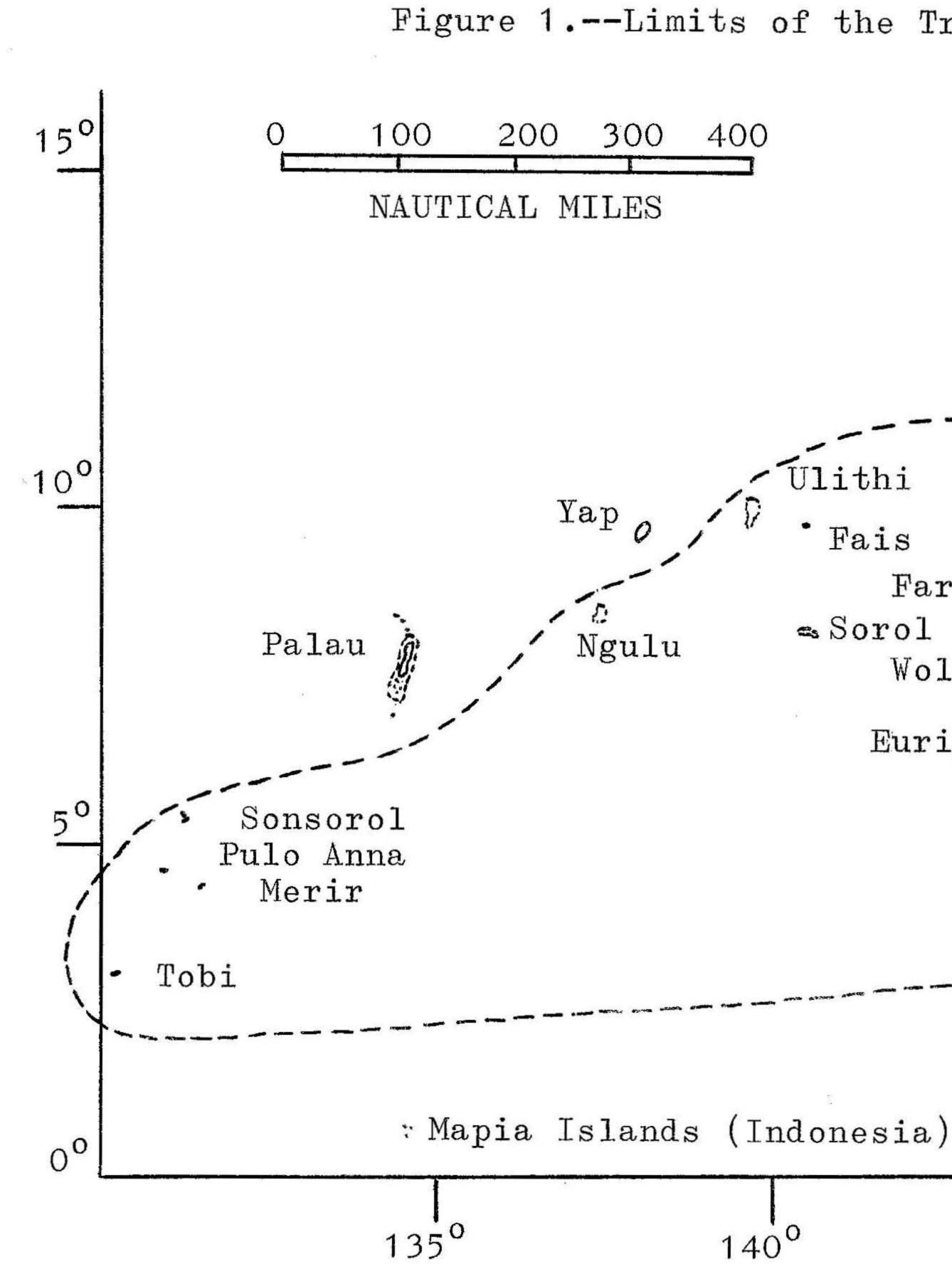


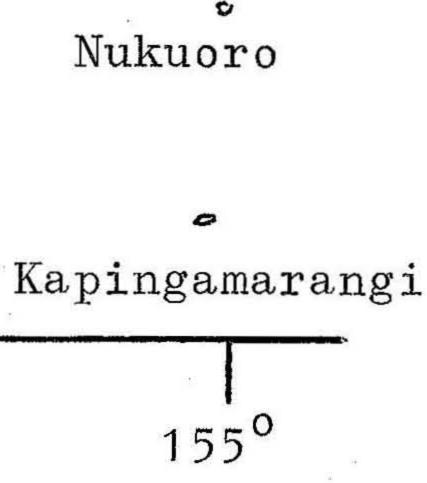
Figure 1.--Limits of the Trukic subgroup (dotted line).

Saipan Tinian . Rota 8 Guam

Ulithi Fais Namonuito Faraulep • 2 Lamotrek Pullap ⇔Sorol Elato, Pulawat Woleai: Satawal 9 Ifaluk Euripik Pulusuk

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between administrative and linguistic boundaries.<sup>2</sup> For example. because Ulithi and Satawal happen to be in the same administrative district. they are officially considered to have the same language, even though in reality their languages are not mutually intelligible. Articles and books in the popular press tend to repeat the misinformation they pick up from government sources.<sup>3</sup> Equally lacking in reliability are linguistic sources. Smith (1951:33) takes the untenable position that all the dialects west of Namonuito are mutually intelligible, differing only "in some phonemic shifts and in some minor changes in vocabulary." Voegelin and Voegelin (1964:101-6), who got most of their information from Dyen (1965a), adopt a more cautious attitude but their account of Micronesian languages is as unenlightening as any. The need for research in the field is stated directly by Dyen in the preface to his grammar of Trukese (1965b:x):

A brief contact with a native of Ulithi, whom I met on Guam, led me to conclude that the language spoken there is closely related with Trukese, but it was also clear that Ulithians and Trukese could not possibly understand each other's language. This leads to the interesting question: What is the linguistic relationship of the languages or dialects lying between Truk and Ulithi? Is there only a gradual increase of differentiating features in the languages or dialects as one progresses in one direction through the islands lying between those two? Is the gradual increase of differentiating features only such that the languages or dialects which are somewhat

<sup>2</sup>See <u>13th Annual Report to the United Nations on the</u> <u>Administration of the Trust Territory of the Pacific Islands</u>, Department of State Publication 7183, Washington, D.C., 1961. pp. 4-5.

<sup>3</sup>For a recent example, see the June 18, 1966 issue of The New Yorker.

remote from each other are mutually intelligible while those which are geographically neighbors are always mutually comprehensible or nearly so? In either case, how many different languages are there?

That these are, indeed, questions which are both interesting and worth seeking answers to was the motivation for this study.

1.2 The setting.

The geographical setting. The islands and 1.21 atolls covered in this study extend from Tobi Island at about 131° east longitude to Lukunor Atoll at about 154° east longitude. a distance of roughly 1,600 statute miles. Excepting for Saipan, which is just north of the 15th parallel, the islands lie in a band between about 3° and 10° north lati-Truk is a cluster of volcanic islands surrounded by an tude. enormous coral reef. All the other islands covered in this study are classified geologically as coral islands, raisedcoral islands, or coral atolls. Hereafter, the term "island" will be used exclusively excepting in contexts where it is necessary to distinguish between islands and atolls. The names by which these islands are identified on the maps and in the text are the ones commonly used in navigation. These are also the names ordinarily used by Micronesians when speaking English, although in some cases they bear little resemblance to the local-language names: for example, Tobi is known as gatogobwej to its inhabitants, and Pulusuk is known as hook.

All of these islands, with the exception of two or

three inside Truk lagoon, are exceedingly small--their areas are measured in acres. Populations vary from less than ten to more than 1,000. The climate is marine-tropical and there is heavy rainfall; temperature and humidity are high at all times. The economy is basically subsistence agriculture which is utterly dependent upon the coconut palm. Much of the inter-island travel, even over distances of several hundred miles, is still done by outrigger canoe. On most of the islands, the social structure, the dress, the architecture, and many other important aspects of the culture are basically the same as they were at the time of the first contact.

1.22 <u>The historical setting</u>. The history of the discovery and early contact of these islands is covered very thoroughly in the reports of the Hamburg Expedition. The facts which are relevant to this study can be briefly summa-rized as follows.

Sonsorol, Pulo Anna, Merir, and Tobi, which all lie to the southwest of Palau, were extremely isolated until the late nineteenth century, not only from Ulithi, Woleai, and other linguistically related areas, but also from Palau and even from each other (to say nothing about being isolated from foreign contact). An American seaman who was stranded on Tobi from 1832 until 1834 reported that a Palauan chief who was with him had not even known of Tobi's existence (Holden 1835). While this seems doubtful, there was for all purposes no contact between these islands and the outside world.

The islands from Ulithi to Namonuito inclusive have traditionally been considered as Yap's empire, Yap having exercised suzerainty over them by means of an intricate system of religious, political, and economic ties. Yap's influence persists in some measure to this day as far east as Satawal, fortified by Yap's position as a district center. As early as 1526 Ulithi had been sighted by Portuguese explorers, but many of the other islands were not to be "discovered" until well into the nineteenth century. Few of

them had had more than very occasional direct contact with foreigners prior to the time Spain extended political control over the Carolines. This occurred in the latter half of the nineteenth century, and during the same period missions were established in some places by speakers of English, Spanish, and German. The influence of missionaries has been strong, although mission stations have generally been confined to the more populous islands.

During the last quarter of the nineteenth century Germany gradually acquired control over trade in the area; in 1899 her economic control became political as well. The period of German administration lasted until the outbreak of

World War I, at which time Japan took possession of the undefended islands. While the Spanish and the Germans had been content to run the islands with a handful of administrators and traders, the Japanese set about energetically to impose direct and complete colonial rule. Education through the elementary grades was provided (in Japanese) for the Micro-

nesians, and by 1945 when the United States assumed control of the islands, the Japanese language had become firmly established as the first viable lingua franca to cover the biggest part of Micronesia. Since 1945 the influence of English has, of course, been much greater than that of any other foreign language.

The total effect of foreign linguistic contact upon the Trukic languages should not be overestimated, however. It is almost entirely limited to new vocabulary--a small number from German, a few more from Spanish, but many from Japanese and English. The latter are in two strata, one dating from the days of the American whalers and early missionaries (Trukese ketinaas 'sword') and one from the current period (Ulithi muufi 'the movies'). The most significant influence of modern civilization upon these languages has been indirect: the establishment of public services such as hospitals and centrally-located schools, which bring together people of diverse dialects, and the vastly increased mobility of the population made possible by the steamship have created the conditions which are conducive to the rapid leveling of dialect differences.

The Carolinians on Saipan are the descendants of immigrants who arrived in several waves beginning in 1815 (Fritz 1911:7). They are said to have come from Truk, the Mortlocks, Namonuito, Pulusuk, Satawal, Lamotrek, Elato, Woleai, Merir, and Sonsorol. The present-day Saipanese Carolinians speak several mutually intelligible dialects

which are evidently an accommodation of the original mutually unintelligible languages which their forebears took with them.

1.23 The administrative setting. Under American administration, the seat of government is at Saipan, and the entire territory is divided into six administrative districts. in four of which there are Trukic languages (see Figure 2). Government programs such as education and public health are somewhat autonomous at the district level, and islands which are not at or very near a district center are serviced by regular intra-district field-trip vessels. The basic purpose of the field-trips is to give the outer-islanders an opportunity to sell their copra and to buy trade goods with the proceeds, but they also serve as a means of transportation for those who wish to visit the district center or another island. The effect of this arrangement is that there are frequent contacts among the outer islands within a district, but very few contacts between islands which do not happen to be in the same district. A resident of Satawal, for example, will be admitted to the hospital at Yap or send his children to the high school on Ulithi, but his cousin who lives on nearby Pulawat must go to Truk for these same services. Direct inter-district travel is available only between district centers, and then not all of the possible routes are covered. It is impossible, for example, to travel directly from Truk to Yap or Palau. A person wishing to make the 100-mile trip from Satawal to Pulawat would have to spend from four to eight weeks traveling by ship and aircraft via Yap, Guam,

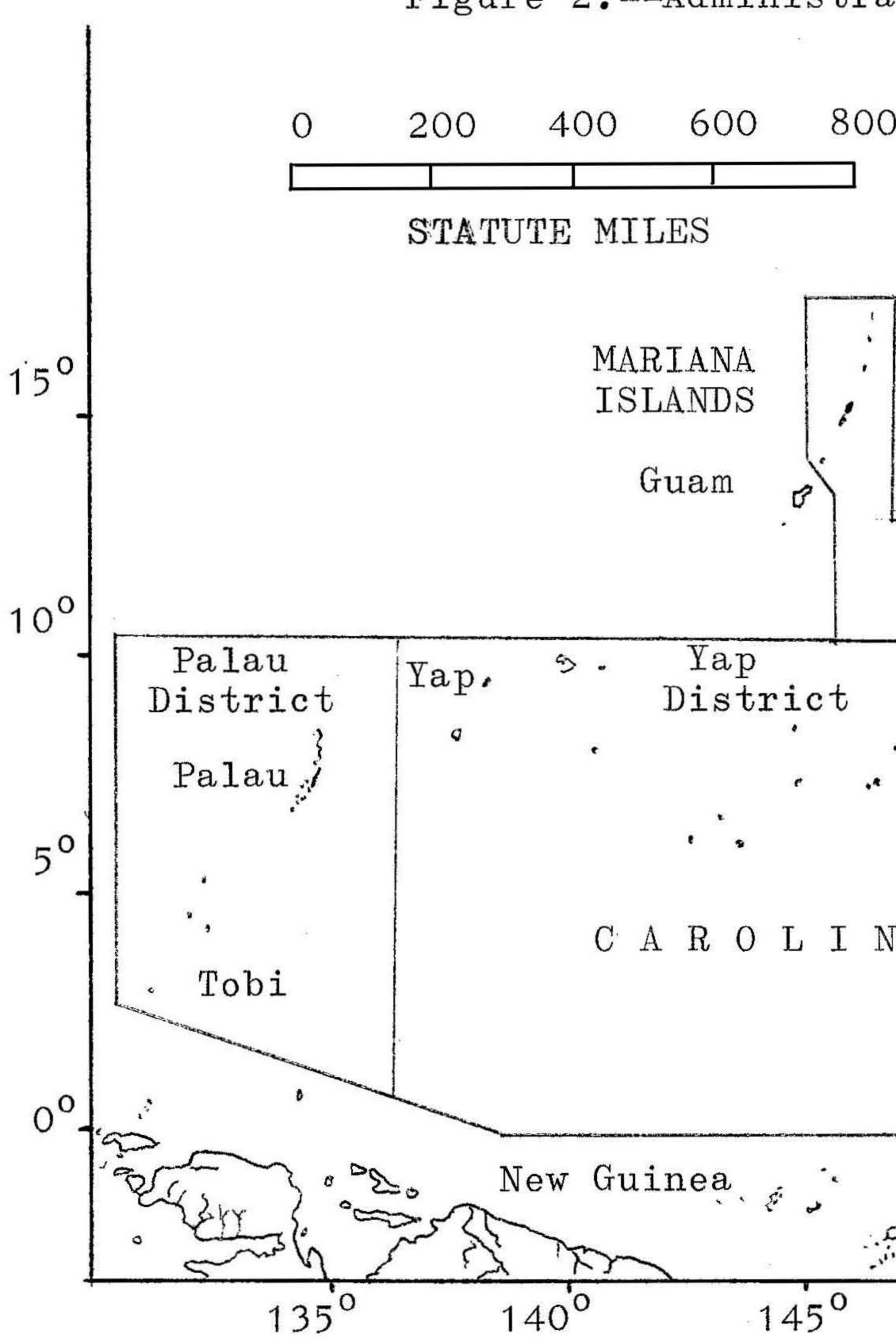
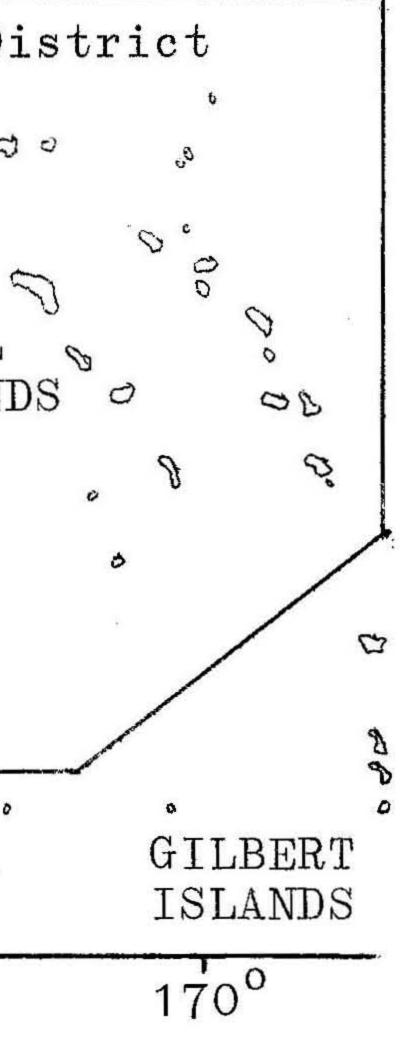


Figure 2.--Administrative districts of the Trust Territory. 800 Marianas District Saipan Marshalls District Ponape Truk District District 000 Eniwetok 0 2 00 G Truk 00 \$7 . ' .\* . MARSHALL °,9 • ISLANDS ~ Ponape 2 3 Ø .ISLANDS C A R O L I N E . Kapingamarangi ' 0

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Saipan, and Truk--a distance of over 2,000 miles. The only other way to go (and the way which is, in fact, the only one used) is by canoe.

The recent expansion of public services and their concentration near district centers has greatly increased the incidence of "languages in contact." There are on Yap at any given time at least 100 outer-islanders making up a permanent colony whose membership shifts slightly every time the field-trip ship departs for or returns from the outer islands. The Yap District Outer Islands High School (founded in 1962) on Ulithi has grown to the point where it has upwards of 300 students from Fais, Woleai, and the other islands in the Yap Nearly half the native speakers of Sonsorol and District. Tobi, and all the native speakers of Pulo Anna and Merir, live together near Koror in Palau. Within the Truk District there is a great deal of movement back and forth between Truk and the outer islands. The isolation that existed for many centuries and which created the linguistic diversity which is the subject of this study has been profoundly altered. There is evidence that rapid leveling is taking place within those areas whose boundaries are those of the administrative districts; one hybrid language -- Saipanese Carolinian -- is already a reality, and the day is foreseeable when it will be joined by Palauan Carolinian, Yapese Carolinian, and Trukese Carolinian.

1.24 The population.

1.241 Population distribution. Table 1 shows the

POPULATIONS OF ISLANDS HAVING TRUKIC (Speakers of other languages not i	
Palau District Sonsorol Area Sonsorol Islands Merir Island Pulo Anna Island Tobi Island Palau Islands	88  12 67 140
Yap District Ulithi Area Ulithi Atoll Fais Island Sorol Atoll Ngulu Atoll Woleai Area	525 275 12 50
Woleai Atoll Euripik Atoll Faraulep Atoll Ifaluk Atoll Lamotrek Atoll Elato Atoll Satawal Island Yap Islands	575 150 150 350 200 45 350 100
Truk District Hall Islands Murilo Atoll Nomwin Atoll Western Islands Namonuito Atoll Pullap Atoll Pulawat Atoll Pulusuk Island	500 500 500 400 400 300
Mortlock Islands Upper Mortlocks Nama Island Losap Atoll Lower Mortlocks Namoluk Atoll Etal Atoll Satawan Atoll Truk Islands Eastern Dialect Area Western Dialect Area	1,000 900 350 2,000 1,200 11,000 6,000
Marianas District Saipan Island	2,000

### TABLE 1

populations of the islands subsumed in this survey. The figures for the Palau District are exact as of January, 1967. For the Yap and Truk Districts, they are projections from the latest available exact figures--these date variously from 1959 to 1964. The figure for the Carolinians on Saipan is only an approximation.

1.242 Acquisition of language. Typically a person acquires and retains productive control of only one Trukic language in his lifetime, although many Carolinians learn to speak one or more foreign languages. Of course there are exceptions, particularly in the Truk District, where many outer-islanders have moved more or less permanently to Truk. If a Ulithian, for example, were to marry a woman of Satawal and go to live there for many years, he would probably learn to speak the Satawal language as opposed to merely learning to understand it. But if he were to live on Yap even for only a relatively short time such as two or three years, he would most likely learn Yapese and perhaps some English, but he would probably not learn to speak the Woleai or Satawal languages even though these are the ones with which he would have the most contact. This description is typical of those actual cases with which I am familiar.

Most of the low-islanders from the Palau District who live permanently on Palau have at least some command of the Palauan language. Many low-islanders in the Yap District who have spent time on Yap can speak Yapese, although recently there has been an increasing tendency for young people to

learn English, rather than Yapese, as a second language.

Throughout the Carolines, knowledge of Japanese is common among those born before about 1930--that is, those who were of school age or above during the Japanese period. A very few old people have a smattering of Spanish or German. Among the younger generation, English is the only foreign language of importance, and knowledge of it is increasing year by year. For nearly two decades after World War II, the development programs of the American administration were a low-budget effort more in the tradition of the Germans than the Japanese, and a broad-based knowledge of English comparable to that of Japanese was slow in developing. But in 1963 the Trust Territory changed its policy and began to hire Americans to teach in some of the elementary schools, and the Peace Corps sent hundreds of volunteers into the area beginning in 1966; the result has been a dramatic increase in the amount of contact elementary-age children have with speakers Of course some of the smaller islands have no of English. resident schoolteacher or Peace Corps volunteer as yet, and the knowledge of English on these islands is correspondingly less than that on Truk, Ulithi, or one of the other places where there has been more contact with English.

1.3 <u>Previous work on Caroline languages</u>. No unified dialect survey of the Trukic languages has ever before been undertaken. There have been a number of minor studies of individual languages, but practically no comparative wordlists have been published. The number of titles in Western

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languages is impressive, but in fact the total published output on the subject of Trukic languages is meager, and most of it is quite irrelevant to this study. Published work including that in Japanese can be divided into three categories: (a) word-lists and dictionaries compiled first by early explorers and later by missionaries and ethnographers, (b) pre-structural grammars, and (c) structural grammars.

1.31 Word-lists and dictionaries.

1.311 The early explorers. As early as the six-

teenth century, Spanish and Portuguese explorers had sighted some of the islands in the Caroline group.<sup>4</sup> If any significant linguistic observations were made during those early exploratory voyages, the most careful investigations--by the Hamburg Expedition--failed to turn up evidence of them. None of the islands in this group had significant contact with outsiders until the very end of the eighteenth century, but beginning with the voyage of the Englishman James Wilson (Wilson 1799), who stopped at Lamotrek and Ifaluk in 1797, there was a sudden increase in the number of contacts. There is evidence that some of the islands were visited in the early decades of the nineteenth century by commercial ships

with no interest in scientific observation (Fischer 1957:24),

but by 1830 there had been at least two French and two Rus-

sian expeditions which had come into the area exclusively to

<sup>4</sup>The Marianas were missionized by the Spanish in the early 1500's and descriptions of Chamorro go back 300 years; the Carolinian immigrants did not reach Saipan, of course, until much later. collect scientific data. Wilson had collected some words, and word-lists were also obtained on the Mortlocks (von Kotzebue 1821), Satawal (d'Urville 1834), and several other places in the Woleai area (Lütke 1835). The American sailor Horace Holden, who unintentionally spent two years in slavery on Tobi and barely escaped with his life, learned some of the language during his stay, and a short word-list and some fragments of dialogue were published as a scientific curiosity (Pickering 1845). Needless to say, none of these early adventurers were either primarily interested in language or especially skilled at phonetic observation, and their attempts at transcription are highly impressionistic. These early lists would be of great interest for historical studies, but their relevance to the present work is minimal. 1.312 The Hamburg Expedition. Twice the Caroline Islands have been included in large-scale anthropological research projects (not counting the vast research activities conducted during the Japanese administration), and both times the scientists who participated recorded native words and in some cases made grammatical notes. The first such project was the Hamburg Expedition of 1908-10. No linguistic special-

ists accompanied the party, but word-lists, a few of them quite long, were gathered by scientists in other fields. These word-lists and the sketchy grammar notes that sometimes accompany them all fail to measure up to the high scholarly standard established by the other sections of the ethnography. Both the phonetic orthographies and the word-lists used by the various researchers are lacking in uniformity, but in spite of the haphazard way in which the language notes were taken, the records of the Hamburg Expedition contain a wealth of information about these languages as they were spoken some sixty years ago, and they would be invaluable to the study of the Trukic subgroup in its historical aspect.

The CIMA project. The other large research 1.313 program which covered the Caroline Islands was the Coordinated Investigation of Micronesian Anthropology (CIMA) under the joint sponsorship of the Office of Naval Research and the Pacific Science Board of the National Research Council. CIMA was the largest of several such programs which were conducted in the years following the close of the Pacific war. Among the scientists who made extended research visits to the Carolines were several linguists whose contributions are discussed below. Among the non-linguists were a few ethnographers who. like their German predecessors, included the gathering of a small amount of linguistic data in their field-work. In this manner, a few more short word-lists were published for the Trukic languages--e.g. Ifaluk (Burrows and Spiro 1953) and Ulithi (Lessa 1950).

Other post-war work of importance was that of Samuel Elbert. He spent a few days on Ulithi and later published a short word-list with a few notes on the grammar (1947a). A much more important work was his Trukese dictionary (Elbert 1947b), which remains the best dictionary available for any language in American Micronesia. Because of its unusual

organization (Elbert used what he called an ethnological approach in the arrangement of the entries in the English-Trukese section in the dictionary and an etymological approach in the Trukese-English section) the dictionary has implicit within it much more linguistic and cultural information than its modest size of 5,000 words would indicate. The pronunciation and glosses are oriented toward the usage of the eastern dialects of lagoon Trukese although some dialect variants are recorded and labeled. The shortcomings

of the phonology in Elbert's dictionary have been noted by Dyen (1965b:x), but this weakness is to be corrected in a revised edition which is currently being prepared by Ward H. Goodenough.

Krämer (1932:29) refers to a manuscript copy of a 10,000 word dictionary of Trukese by a German Capuchin missionary, Laurentius Bollig, but the work has apparently never been published.

1.32 <u>Pre-structural grammars</u>. Three short grammars of Trukic languages by German authors have come to my attention. One (Schmidt 1899) is a sketch of a Mortlock dialect based upon secondary sources and one (Fritz 1911) is a brief

description of Saipanese Carolinian valuable more for its examples than for the grammatical analysis. The third was included as a 29-page supplement to a general study of Trukese culture by Bollig (1927). This grammar was translated into Spanish (Hernandez 1939) and into English (Bollig 1945). Suffice it to say that this work has been rendered obsolete

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by Dyen's grammar (see below).

Most of the Japanese work has been impossible to obtain and it is therefore difficult to assess. But at least the following can be safely said: (a) the published results of Japanese research on the languages of the area is voluminous in comparison to the total output in other languages. and (b) there was evidently no extensive dialect survey anywhere in Micronesia. There are two full-length studies of "the language of the Central Carolines," a term which implies that the field-work was done on Saipan under the (essentially correct) assumption that Saipanese Carolinian is somehow representative of all the dialects used on the islands west of Truk. One of these books (Tanaka 1921) has not been seen. The other (Matsuoka 1928) is one of a series of grammars of Micronesian languages written by Shizuo Matsuoka, a prolific and apparently indefatigable field-worker who resigned his post as colonial administrator of Ponape in 1918 in order to devote the rest of his life to scholarly research and writing. In less than twenty years he wrote a large number of major descriptive-comparative works in the field of Malayo-Polynesian languages and many philological studies of Japan-He also wrote several lengthy general ethnographic ese. descriptions of the Pacific islands, and in addition to the aforementioned grammar of Saipanese Carolinian, he wrote an immensely detailed comparative study of the Micronesian languages (Matsuoka 1935) and full-length grammars of Ponapean, Marshallese, Chamorro, Yapese, and Palauan. In his spare

time he prepared annotated editions of Japanese classics. It is no wonder that Matsuoka's descriptions of Micronesian languages show evidence of hasty workmanship. His work is severely marred by his use of katakana to transcribe linguistic data and by his totally inadequate phonetic descriptions. Worse, when phonemic distinctions could not be conveniently represented in kana, Matsuoka simply wished them out of existence. If his transcriptions are rendered directly into romaji, the result is mildly chaotic, with the loss of phonemic oppositions, inconsistent representation of consonants, and the addition of final vowels in numerous places where there are none in the original data. In spite of the difficulty of recovering the data from the transcription, Matsuoka's work remains by all odds the amplest repository of information on Micronesian languages. It is likely that there are other Japanese studies in Micronesian linguistics that have remained unpublished. In the postwar period the first grammar of a Trukic language to be published was the description by Capell (1948)

of Sonsorol-Tobi. This work is a valuable source of data,

especially variant dialect forms, but the grammatical section

is less useful than the word-list, being cast essentially in the mold of the familiar Indo-European categories. Here also should be mentioned a mimeographed publication (Smith 1951) of the Trust Territory Department of Education intended to provide an orthography for Woleai. The author disdains the use of diacritics, employing sequences of vowel letters for the vowel phonemes that cannot be written with the usual five plain letters, and the writing system makes several unnecessary distinctions. The title of the book--<u>Gamwoelhaelhi Ishilh Weleeya</u>--will serve as an example of the formidable appearance which results. To no one's surprise, Smith's orthography was not enthusiastically accepted by the people of the islands.

1.33 <u>Structural grammars</u>. To date, the only really adequate linguistic description of a Trukic language is Dyen's grammar of Trukese (1965b). The field-work was done in 1947 as part of the CIMA project but the grammar was not published in printed form until 1965; however, typewritten and mimeographed copies of it have been circulating among students of Trukese for years. It is a study of the western dialect of lagoon Trukese, specifically that of Romonum Island. In general, Professor Dyen's grammatical scheme for Romonum characterizes all the languages covered in this study, but there are, of course, many differences in detail. My very great dependence upon Dyen for my understanding of Trukic structure will be apparent throughout this work.

1.4 <u>Gathering the data</u>. The basic aim of the datagathering stage of this research was to collect in the relatively small amount of informant time that was available as much information as possible relevant to the establishment of language and dialect boundaries. To this end, careful attention was paid to selection of locations and informants, to working method, and to the questionnaire. Herzog (1965)

provides full discussion of the problems which arise in these connections, and in the following sections, only those aspects of method which are unique to this study are treated.

Selection of locations. Interviewing an 1.41 informant from every inhabited island suspected of having a Trukic language is rendered virtually impossible by the physical isolation of the islands themselves. Nor would such thoroughness be necessary, because it can be established by other means that certain of the islands speak languages which are identical or nearly so to the languages of other nearby islands. Careful consideration was given to direct statements of opinion from informants. and where the evidence seemed to be clear-cut and agreement among informants was unanimous, tentative dialect boundaries were set up. All the informants consulted, for example, concurred with Capell's judgment that Pulo Anna, Merir, and Sonsorol are very nearly identical in speech (especially as opposed to Tobi) and accordingly an informant from Sonsorol was selected to be representative of these islands.

Fifteen dialect areas were thus tentatively identified. These are listed in Table 2 together with the names of the islands chosen as samples. Mogmog and Ifaluk were added for additional perspective. The numerical ordering of these dialect areas is based upon linguistic criteria but corresponds quite closely with the geographical positions of the islands. Saipanese Carolinian is not well integrated into the continuum but the partial data collected on Saipan is

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DIALECT AREAS STUDIED

Number	Island	Islands included in the area
1	Sonsorol	Sonsorol, Pulo Anna, Merir.
2	Tobi	Tobi.
3	Falalap, Ulithi	Ulithi area: Ulithi, Fais, Ngulu, <sup>a</sup> Sorol.
4	(Mogmog, Ulithi)	
5	Falalap, Woleai	Woleai area: Woleai, Euripik, Lamotrek, Faraulep, Elato, Ifaluk.
6	(Ifaluk)	
7	Satawal	Satawal.
8	Saipan	All Saipan dialects.
9	Pulawat	Pulawat.
10	Pulusuk	Pulusuk.
11	Pullap	Pullap.
12	Ulul, Namonuito	Namonuito.
13	Murilo	Hall Islands.
14	Nama	Upper Mortlocks.
15	Moc, Satawan ·	Lower Mortlocks.
16	Fanapanges	Western Truk dialects.
17	Moen	Eastern Truk dialects.

<sup>a</sup>Ngulu is Yapese in culture, but nearly every person is bilingual with Ulithian as a second language.

included as a matter of interest. Hereafter, in order to avoid endless repetition of the phrase "language or dialect," the term "language" will be used except where "dialect" is required by the context. The language of each of these areas is referred to both by name and by number, and we sometimes use collective designations, such as "Truk (16-17)" or "the Yap District languages (3-7)." Figure 3 is a map of the actual geographic relationships of the sample islands, and the map in Figure 4 is a slightly idealized version used for mapping the phonological isoglosses.

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• 3-4 11 7 · 9 · 13 16-17 10 14 5 6 • 2 • 15

Figure 3.--The true geographical relationships of the sample islands.

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3 9 11 4 7 10 12 13 2 5 14 16 17 1 6 15

Figure 4.--Idealized map of the Trukic dialect areas.

1.42 <u>Selection of informants</u>. In general, it was possible to interview only one informant for each of the languages, but every effort was made to select informants whose speech was truly typical of their islands. After the interview with the Moen (17) informant had been completed and it was too late to repeat the work, it was discovered that his speech is considered by other native speakers of Trukese to be a mixed dialect not typical of Moen Island, and therefore the Moen data should be used with suitable caution. The

left for later research. All informants were males aged twenty to thirty-five. All had had some experience living away from the island of their birth, but only two of them had spent more than two consecutive years away from their childhood homes--these were the informants for Pullap (11) and Moen (17). Most of the informants were competent speakers of

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English.

1.43 <u>Working method</u>. The interviews were conducted in English (in one case both English and Japanese were used). Linguistic material elicited was taken down initially in phonetic transcription which was changed to phonemic transcription as soon as the phonemic system had been fairly well established. At the last minute it turned out to be impossible to obtain a reliable portable tape recorder, so the interviews were not recorded.

1.44 The questionnaire. It was assumed that a fairly large body of well-chosen vocabulary items would provide the best dialect evidence as well as elicit automatically all or nearly all of the phonemic contrasts. Accordingly, a vocabulary list of nearly 600 items was assembled from a variety of sources: (a) the 215-word Swadesh list for glottochronology: "ice," "fog," and a few more irrelevant items were dropped; (b) an adaptation of the Swadesh list used by Samuel Elbert;<sup>5</sup> (c) general and specialized items chosen from the linguistic questionnaire of the Tri-Institutional Pacific Program (TRIPP); (d) a few items, principally plant names, which seemed likely to elicit cognates (from Byron Bender). At the suggestion of Samuel Elbert, the list was rounded out by the addition of a few words so that it would contain all the words cited in Dyen's important article "On the history of the Trukese vowels" (Dyen 1949).

<sup>5</sup>I am indebted to Byron Bender for drawing my attention to this list.

Grammatical information collected included the independent and subject pronouns, the demonstratives, the local stems, and two counting classifiers.

1.5 Plan of the dissertation. The central hypothesis of this study is that the languages in the Truk subgroup form a dialect chain, and we now turn to the evidence to see in what manner and to what extent it supports the hypothesis. Section 2 describes the segmental phonemes for each language and the dialect boundaries which may be set up on the basis of phonemic patterning and sound correspondences. Section 3 describes the patternings that emerge from analysis of the The last section summarizes lexical and grammatical data. the dialect areas set up on the basis of linguistic criteria and examines the relationship between linguistic and nonlinguistic evidence in regard to mutual intelligibility between languages.

## 2.0 PHONOLOGY

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2.0 <u>Introduction: the unity of the Trukic subgroup</u>. From auditory impression alone it is not immediately obvious even to native speakers that the languages in the Trukic subgroup are closely related to one another. The speech differs greatly from island to island, even in the case of sentences

that are composed entirely of cognate morphemes, and Dyen's observation that a speaker of Ulithi (3-4) and a speaker of Trukese (16-17) could not possibly understand one another's language is entirely correct. The three detailed phonological descriptions available for Trukic languages (Dyen 1965b for Truk, Smith 1951 for Woleai, and Capell 1947 for Sonsorol and Tobi) manage to make them appear almost as if they were unrelated. (Smith reported nearly twice as many phonemes for Woleai as Dyen did for Truk.) It was for these reasons that the original research plan for this study emphasized lexicon, being based upon the assumption that it would be the area of vocabulary that would disclose the most regular and clearly

structured basis for locating linguistic boundaries. Perhaps the most significant result of this project was the discovery that the phonology (in particular, the consonants) affords dialect evidence that is much more regularly patterned than that which one would expect to find in a study of comparative vocabulary.

What turned up was a large core of common vocabulary showing identical syllable structure and obeying simple and direct rules of phonological correspondence. Of the 585 lexical items that make up our data, 159 are cognate in all 17 languages. Including items which are discontinuously distributed, a total of 272, or 47%, of the vocabulary collected was found to occur from one end to the other of the language area, and the biggest part of this vocabulary is quite regular in the correspondences involved, especially in

the single consonants.

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Even discounting the effect of our having packed the questionnaire with items likely to be especially productive of cognates, it is clear that much of the high-frequency vocabulary is uniform. The two most distantly-related languages, Sonsorol (1) and Moen (17), have a shared retention of 58%, sufficiently high to enable us properly to speak of the "Trukic subgroup." Furthermore there is very little evidence that any of these languages has been modified significantly by outside influence, at least not since the time when they began to drift apart. To put it another way, the dialect differences which now exist are primarily the result of normal

language change, the product not of outside contact, but of isolation.

A sentence which illustrates both the unity and the diversity within the Trukic subgroup is "Our (incl.) mother's ears are big" in each of the languages. The word for "big" is characteristic of words which are near the maximum in the range of lexical diversity encountered, and the rest of the vocabulary is cognate.<sup>1</sup> The transcriptions are phonemic, excepting that word boundaries, which are not marked in speech, are indicated by space. Excrescent vowels, where they occur, are arbitrarily written in final position. Very considerable cross-language differences can be seen despite the fact that prosodic features are not marked and the transcriptions employed conceal a great deal of diverse subphonemic detail:

	'it'	'big'	'ears-of'	'our mother'
(1)	je	tarapara	taringeri	thiras
(2)	је	rapa	taringeri	sirac
(3)	je	pallingi	talangala	selec
(4)	je	pillenge	tilengela	silac
(5)	je -	farigita	talingela	silash
(6)	je	farigita	talingeli	silash
(7)	је	tėmwoga	sålingån	inar
(8)	е	tėmwoga	selingål	inash
(9)	е	likkapa	hålingån	inar
(10)	е	likkapa	hålingån	inar
(11)	е	likkepe	helingen	inar
(12)	е	jattemmonga	helingen	inar
(13)	е	watte	selingen	inar
(14)	e	shapwyra	selyngen	inash
(15)	е	lokkopa	salingen	inac
(16)	е	watte	seningen	inac
(17)	е	watte	seningen	inac

'Among the words for "big," <u>palling</u>, <u>farigit</u>, and <u>likkap</u>, for example, are possible cognates, but their relationship, if any, must go far back into the pre-history of the Micronesian languages: our use of the word "cognate" here refers to cognates of an obviously much later stratum. Assuming that these similarities evidence a common origin, a further assumption can be made--that there is, in some sense, an overall linguistic structure for the Truk subgroup, a structure which includes a phonological component. It is the purpose of this chapter neither to discuss the nature of such a phonology in terms of linguistic theory nor to attempt a full description of such a system. Rather, we shall describe here, within the limits imposed by the amount and kind of data available, the main features of diversity in speech which set off one language from another.

This comparison is based upon a body of data which consists of a large number of vocabulary words in each of the languages. There is not enough detailed information about the positional allophones and the sandhi alternations to make possible a description of any of the languages as complete as, say, Dyen's description of Trukese. However, for each of the languages there is enough data to provide a general sketch of the sound system--the syllable structure, the segmental phonemes and their chief allophones, and most important of all, the incidence of phonemes in specific vocabulary items.

This amounts to a large and complex body of linguistic information, and merely to display it effectively creates problems in organization. Here are seventeen phonological systems which are enough alike that to describe each ome in a separate statement would involve an intolerable amount of repetition. Yet the differences among the languages are great enough that it would probably be even more awkward to

attempt to frame a general statement accompanied by a list of the exceptions. The approach taken here is but one of a number of alternative methods that might have been used. It pursues two ideals--to emphasize the contrastive nature of this report by juxtaposing the descriptions of the counterpart features of the phonologies of the languages, and to avoid needless repetition.

2.1 <u>General characteristics of the sound systems</u>. Dyen's description of the phonemics and morphophonemics of

the Romonum dialect of Trukese (Dyen 1965b) could apply, excepting for details, to any of the seventeen languages, because typologically they are highly similar. The CV type of syllable structure is universal, and both internal and external sandhi operate extensively to preserve it: Woleai (5) <u>shygyl</u> 'basket-of', <u>gal</u> 'food', <u>shygyligal</u> 'stomach'; <u>rong</u> 'to hear', <u>rongorong</u> 'is hearing'. Much of the sandhi involves deletion of semivowels in both initial and final positions with vowel assimilation operating upon the resulting hiatus: Murilo (13) <u>si</u> 'we (incl.)', <u>pwe</u> 'incompleted action', <u>jattaw</u> 'to fish'; <u>si pwa attaw</u> 'We're going fishing'.

Alternative sandhi rules are apparently sometimes the basis of dialect differences: Woleai (5), Ifaluk (6) <u>jisel</u> 'to put', <u>-tiw</u> 'down': Woleai (5) <u>jisettiw</u>, Ifaluk (6) <u>jiselitiw</u> 'to put down'. It seems reasonable to assume that a close examination of the morphophonemics of each of these languages would disclose a patterned basis for dialect boundaries. However, within any given language the sandhi rules are complex and there are numerous optional rules; even a set of descriptions with only modest claims to thoroughness would be impossible without many weeks of observation of the actual speech of each language. We have of necessity concentrated our attention upon the sound segments, which for these languages afford a highly structured and regular basis upon which to compare dialects.

For the same reasons that a complete study of morphophonemics is outside the scope of this survey, it was not possible to make a full study of phonotactics. However, it is apparent from the data at hand that positional restrictions on the occurrence of phonemes do not play a large role in the structure of these languages. Every consonant phoneme was found to occur initially, medially, and finally in morphemes in each language, with the single exception that <u>h</u> does not occur finally in Namonuito (12): Pullap (11) <u>marah</u>, Namonuito (12) <u>maraha</u> 'bitter'. Furthermore it appears that there are few restrictions on CV sequences, the only exception being that in some of the languages the semivowels <u>j</u> and <u>w</u> are neutralized (becoming <u>w</u>) before <u>y</u>, <u>u</u>, or <u>o</u>: Ulithi (3) juuth, Moen (17) wuut 'rain'.

Geminate consonants occur both within morphs and across morph boundaries, sometimes as the result of consonant assimilation. In native vocabulary there are essentially no sequences of non-identical consonants, but in borrowed words they are common, especially when the consonants are homor-

ganic: Satawal (7) <u>mangko</u> 'mango'. In Ulithi (3-4) the stricture against consonant clusters is often broken even in native vocabulary: Ulithi (3-4) <u>walsu</u> 'tomorrow' (cf. Sonsorol (1) <u>warathy</u>). At morph boundaries, consonants tend either to assimilate or to be separated by an excrescent vowel, but here the restriction on consonant clusters is not so rigid.

All the languages have long and short vowel distinctions. Most long vowels come about through compensatory lengthening: Tobi (2) <u>matar</u> 'eye-of' but <u>maat</u> 'eye'. However some vowels in every language are inherently long: Tobi (2) <u>maatar</u> 'garden-of', <u>maat</u> 'garden'. Compensatory lengthening may be optional in Sonsorol (1), Tobi (2), and Saipan (8), (the details are not clear), but inherent length is clear and unequivocal in all the languages. In general, if a word is found to have an inherently long vowel in one language, its cognates will also have either a long vowel or an extra syllable: Ulithi (3) <u>bwóóthél</u>, Moen (17) <u>pwéétyn</u>, Tobi (2) <u>bwawutur</u> 'nose-of'. An occasional exception is noted: Pullap (11) <u>kyywen</u>, Namonuito (12) <u>kywen</u> 'porpoise-of'.

Most of the linguistic data were elicited in the context of short sentences, but it proved to be impossible to obtain all counterpart data consistently in the same or similar phonological contexts. All examples are cited in a form which is as neutral as possible in regard to morphophonemic rules, that is, in the form they assume before the operation of these rules, such as the one that deletes post-pausal j in

some of the languages. Geminate consonants, which are sometimes hard to hear out of context, are written where they are inherent. Thus our citations are about as near to being morphophonemic as is possible in the absence of a full-blown grammatical study of each language. When for any reason it is desirable to quote a form in phonemic transcription, the the citation is both underlined and enclosed in slashes. Other citations are merely underlined. English and other foreign language examples are in standard orthography and underlined, while English glosses are enclosed in single quotes.

2.2 The phonemes: phonetic nature and phonemic status of the sounds of each language. In describing the sound systems of these languages it is convenient to recognize regular and marginal phonemes. The main source of marginal phonemes is foreign vocabulary, including that borrowed from other Trukic languages. For example, Ulithi (3-4) has n as in monijan 'devil' (from Yapese), but it occurs in no native words. Therefore it would be very misleading to imply that Ulithi has n and l in contrast in the same sense as has, for example Satawan (15), where these two sounds contrast in numerous native words in which Ulithi (3-4) has only 1. The difference in the status of n as a phoneme in Ulithi (3-4)and in Satawan (15) is an important linguistic difference between these two islands, and the description of this difference is facilitated by labeling the n of Ulithi a marginal phoneme.

The problem of marginal phonemes could be avoided completely by ignoring non-native words excepting that native words have them as well. Several of the languages have common sounds which are almost always in free variation or complementary distribution with a phonetically similar sound but which nevertheless contrast in a few pairs. Sonsorol (1) has a back unrounded mid-vowel  $\underline{e}$  which is phonetically identical to the corresponding vowel in the other languages. But in Sonsorol (1) this vowel is in almost perfect complement-

ation with <u>o</u>. (<u>é</u> occurs principally in words that end in the voiceless vowel <u>Y</u>, while <u>o</u> rarely does; but <u>é</u> is found in a handful of words ending in <u>A</u>, so that there are contrasts like <u>téétA</u> 'a little' and <u>woosA</u> 'reef'.) In cases analogous to this, one of the phonemes is clearly marginal to the system, and is so labeled.

2.21 <u>The consonants</u>. The consonant phonemes provide the conspicuous and regular criteria for the location of dialect boundaries.

As noted previously, consonant clusters are the exception, but geminate consonants occur frequently. There are two sources for these--some are created at morph bound-

aries through the juxtaposition of like consonants or through (usually) regressive consonant assimilation, and some are inherent in morphemes. Following are a few examples of the first type:

Moen (17) <u>jitan</u> 'his name', <u>caan</u> 'John' /<u>itaccaan</u>/ 'His name is John' jiten 'name-of', recuk 'a Trukese'
/iterrecuk/ 'a Trukese name'
Ulithi (3) jital 'to put', -thi 'down', -long 'in',
-wej 'out'
/jitetthi/ 'to put down'
/jitetthi/ 'to put down'
/jitallong/ 'to put in'
/jitowwej/ 'to put out'

Virtually all consonants are observed to double across morph boundaries, and all the languages showed at least some of

this kind of doubling. However, this phenomenon is a part of morphophonemics and was not systematically incorporated into our study. From here on, unless otherwise specified, the term "double consonant" will be used in reference to the inherent type only. These are often seen in noun-verb pairs in which the initial consonant of the noun is doubled in the verb: Satawan (15) <u>pwaat</u> 'scar', <u>je ppwat</u> 'he has a scar'. Such doubling is not automatic: cf. Ulithi (3-4) <u>maas</u> 'death' <u>je mas</u> 'he dies', in which the initial consonant of the verb <u>mas</u> is not doubled. Double consonants both before and after pause are often difficult to hear, and it is usually necessary to hear a word in context to be sure whether or not it

has an initial or final double consonant.

Generally if a word has a double consonant in one of

the languages, so will its cognates, but there are exceptions

and there is no discernible patterning to these irregular-

ities. There are other reasons that the single consonants

offer better dialect evidence. For one, the double consonants

appear in fewer cognate sets, and such sets as there are show considerable irregularity. On the other hand, the double consonants are more uniform phonetically than the single ones. For example, if we examine in Moen (17) the cognates of the Ulithi (3) words which have the single consonant  $\underline{g}$ , we find some with  $\underline{k}$ , some with  $\underline{j}$ , some with  $\underline{s}$ , and some in which the consonant has disappeared:

Ulithi (3) Moen (17)

<u>fetheg</u> <u>fytuk</u> 'meat'

waag	waa	'vein'
gatam	jasam	'doorway'
giil	<u>siin</u>	'skin'

But words which have <u>kk</u> in Ulithi (3) quite uniformly have <u>kk</u> in Moen (17) (as well as in all the other languages): Ulithi (3) <u>kkang</u>, Moen (17) <u>kken</u> 'sharp'. For these reasons our dialect boundaries in the phonological area are based primarily upon the distribution of single consonants; however, the descriptions which follow cover both the single and the double consonants. The absence of any mention of double consonants under a heading below indicates that that phoneme was not observed to occur inherently doubled in any morpheme.

Table 3 is a list of the symbols which are used for

writing the regular and marginal consonant phonemes of the seventeen languages in phonemic transcription. The symbols were chosen to suggest the central allophone of the phoneme for which they stand, and they are grouped in the table somewhat according to their phonetic characteristics. However,

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labels in terms of articulatory phonetics are intentionally omitted from the table, which is a composite of the phonemic symbols from many different languages; some of these symbols (especially  $\underline{r}$  and  $\underline{l}$ ) apply to a wide spectrum of different sounds, and to include articulatory labels would be to imply misleadingly oversimplified definitions.

It must also be noted that these symbols have no systematic status as a group--in particular, Table 3 is not an "overall pattern" of consonant phonemes.

## TABLE 3

## CONSONANT PHONEME SYMBOLS

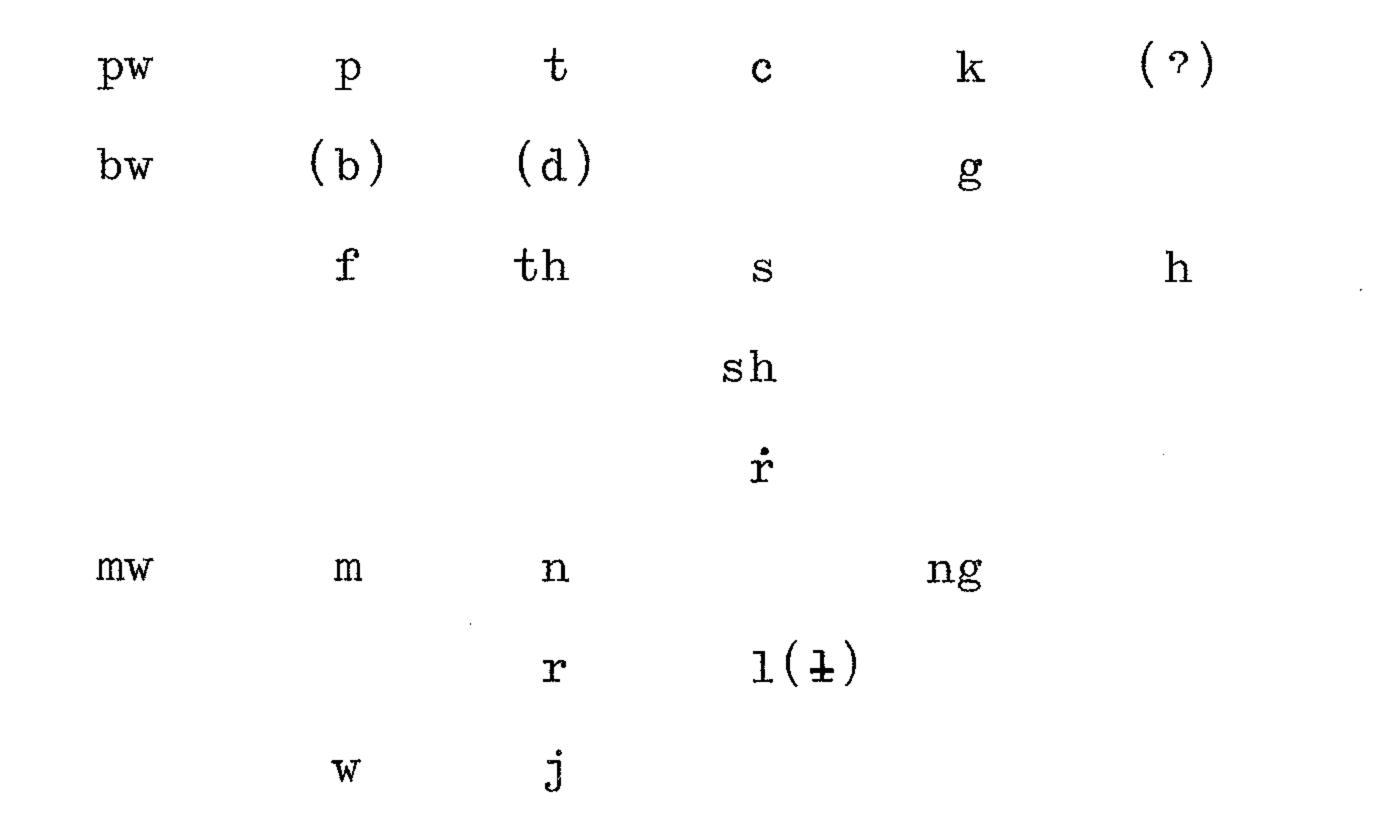


Table 4 lists the consonant phoneme inventories for

the seventeen languages. The letter (x) in a box indicates a regular phoneme; a dash indicates that the phoneme is marginal or that it occurs mainly doubled; an empty box, of course, indicates that the associated symbol is not required for the language of that column. Following Table 4, the consonant phonemes are briefly defined.

#### TABLE 4

CONSONANT PHONEME INVENTORIES

t x x x x x x x x x x x x x x x x x x x	
p x x x x x x x x x x x x x x x x x x x	x
t x x x x x x x x x x x x x x x x x x x	
k x x x x x x x	: x
f x x x x x x x x x x x x x x x x x x x	x
	x
s x x x x x x x x x x x x x x	z x
mw x x x x x x x x x x x x x x x x x x x	<b>x</b> .
m x x x x x x x x x x x x x x x x x x x	x
ng x x x x x x x x x x x x x x x x x x x	x
r x x x x x x x x x x x x x x x x x x x	x x
w x x x x x x x x x x x x x x x x x x x	x
j x x x x x x x x x x x x x x	x x
c x x	x x
<u>l x - x x x x x x x x x x x x x x x x x </u>	<u>د</u>
n – – – – – – – x x x x x x x	x x
bw x x x x x x	
g x x x x x x	
th x x	
h x x x x x	
sh x x x	
<u> </u>	
b – –	
	1

- pw
- (1-8) In these languages, where <u>bw</u> is a separate phoneme, <u>pw</u> is always an unaspirated tense voiceless velarized bilabial stop; it usually, but not always, occurs as a variant of <u>ppw</u>, which differs from <u>pw</u> only in duration.
- (9-17) <u>pw</u> is an unaspirated voiceless velarized bilabial stop after pause, but in other positions it is frequently voiced and sometimes fricative. <u>ppw</u> is always a tense voiceless stop and is usually longer than pw.

#### p

(1-17) <u>p</u> is an unaspirated bilabial stop, voiceless and tense after pause, frequently lax and voiced in other positions (but in Mogmog (4), Saipan (8), and probably in other languages in the west, <u>p</u> contrasts with the marginal phoneme <u>b</u>). <u>pp</u> is always tense and voiceless and is usually longer than <u>p</u>.

#### t

(1-17)  $\underline{t}$  is an unaspirated dental stop, voiceless and tense after pause; in other positions it is frequently lax and voiced (but in Mogmog (4), Saipan (8), and probably in other languages in the west,  $\underline{t}$  contrasts with the marginal phoneme  $\underline{d}$ ).  $\underline{tt}$  is always tense and voiceless and is usually longer than t.

#### k

(1-8) In these languages, where <u>g</u> is a separate phoneme,

 $\underline{k}$  is always an unaspirated tense voiceless velar stop. It sometimes occurs as a free variant of  $\underline{kk}$ , which differs from  $\underline{k}$  by being longer. (9-17) In these languages <u>k</u> is an unaspirated tense voiceless stop after pause, frequently voiced and sometimes fricative in other positions. kk is always a voiceless stop and is usually longer than k.<sup>2</sup>

## f

(1-17) <u>f</u> is a voiceless labiodental fricative. <u>ff</u> is

always longer than f.

S

(1-17) s is a voiceless alveolar groove fricative in all positions. <u>ss</u> is uniformly longer than <u>s</u>. In the languages which have h, s is fairly rare, occurring mainly in loans.

### mw

(1-17) <u>mw</u> is a voiced velarized bilabial nasal continuant; the velarization is difficult to discern before pause and before back vowels. mmw is about twice as long as <u>mw</u>. In Truk (16-17) <u>mw</u>, even when doubled, is nearly

always denasalized, so that it is difficult to

<sup>2</sup>There is one marginal exception to the rule that  $\underline{g}$ is not phonemic: several of the languages around Truk have manggo 'mango' instead of the more common (and regular) mangko. This kind of unassimilated loan word is very atypical of the languages to the east, and this exception is perhaps to be explained by past reluctance of speakers to pronounce mangko because it is practically homophonous to an obscenity in Japanese.

## distinguish from the voiced allophone of pw.

m

(1-17) <u>m</u> is a voiced bilabial nasal continuant. <u>mm</u> is about twice as long as  $\underline{m}$ . In Truk (16-17)  $\underline{m}$ , even when doubled, is nearly always denasalized, so that it is difficult to distinguish from the voiced allophone of

<u>p</u>.

(1-17) ng is a voiced velar nasal continuant. nng is about twice as long as <u>ng</u>. In Truk (16-17) <u>ng</u> is nearly always denasalized, so that it is easily mistaken for the voiced allophone of k.

## $\underline{\mathbf{r}}$

(1-17) <u>r</u> is an alveolar tap or trill made with the tongue tip, but its exact manner of articulation, and hence the acoustic effect, varies widely from language to language:

- (1-2) <u>r</u> is a voiced tap;
- (3-4) <u>r</u> is voiced and strongly trilled;

(5-6) <u>r</u> is a voiced tap, sometimes articulated so lightly

## that only resonance is heard;

- (7-15) <u>r</u> is most commonly a voiced tap, but some speakers use a light trill;
- <u>r</u> is voiced intervocalically and is always strongly (16)trilled, but in initial and final position it is

almost completely devoiced and accompanied by friction noise;

(17)  $\underline{r}$  is a voiced tap which is very difficult to distinguish from the denasalized allophone of  $\underline{n}$ .

## j

Looking at the Trukic subgroup as a whole, the most variable and elusive (and hence controversial) feature of the phonology is the semivowel <u>j</u>. It is present and in contrast in all the languages, but in some of them, particularly in the east, it is very inconspicuous and it is deleted in many phonological contexts. The two extremes with regard to <u>j</u> are represented by Mogmog (4) and Moen (17).

In Mogmog (4),  $\underline{j}$  in all positions is a voiced semivowel not unlike English  $\underline{y}$  in  $\underline{y}$ ellow.  $\underline{j}$  and  $\underline{w}$  are in contrast before all vowels, and  $\underline{j}$  is plainly audible even after pause and before high-front vowels. The general requirement of these languages that every form must begin with a consonant or a semivowel (a requirement which is frequently relaxed in the case of loan words which begin with a vowel in the source language) is strikingly illustrated by a word like Mogmog (4)  $\underline{j \circ o f j } is$  plain even when the word is pronounced in isolation and is retained in all phonological contexts.  $\underline{j}$  is preserved, at least sometimes, in contexts in which it is deleted in every other language, e.g. between identical high vowels: Mogmog (4) <u>semel</u> 'one-animate' <u>jiig</u> 'fish', <u>semelijiig</u> 'one fish'.

At the other extreme, j in Moen (17) is so ephemeral that it can be said almost not to exist at all, and almost every practical orthography that has been suggested for the language (correctly, perhaps) makes no provision for it. j never occurs after pause, and in context it is deleted by sandhi rules more often than not, and even when it is not deleted, it is seldom conspicuous. j in Moen (17) is perhaps best described as a manner of transition between vowels that involves raising the tongue slightly higher than the higher of the two vowels. It is most clearly heard between mid or low vowels: cf. the alternant /si pwe jattaw/ (alongside the more common /si pwa attaw/) 'We're going fishing'; jaaja 'liver', where the second j is unmistakable. Were it not for instances like these, the writing of j in Moen would be no more than an orthographic device introduced in order to obviate the writing of diphthongs. In respect to  $\underline{j}$ , Woleai (5) and the rest of the islands in the west tend towards the Ulithi model, while the islands in the east, especially Namonuito (12), tend to be

more like Moen. In other words, the phoneme j tends to

become less and less conspicuous the further east one goes.

# The deletion of post-pausal j is invariable in Saipan (8) as well as Namonuito (12) and Moen (17), but at least some-

times initial j is vaguely audible in all the other languages.

W

To some extent, and for the same reasons, the phoneme

## <u>w</u> is indeterminate, like <u>j</u>.

w is a semivowel sounding like a weakly-articulated English pre-vocalic  $\underline{w}$  as in wash, but it is rounded only when next to back vowels. Like j, w is frequently deleted in context and is sometimes difficult to hear, particularly before back vowels and y. In some cases of correspondence between j and  $\underline{w}$ , as in Woleai (5) <u>faajy</u> and Ifaluk (6) <u>faawy</u> 'rock', the difference is probably due more to idiolect than to dialect. Other cases are more certain: Ulithi (3) wuuc, Mogmog

(4) juuc 'banana'. Again, note Ulithi (3-4) woos 'horse' (from Yapese <u>?os</u>) and the fact that Ulithi (3) was the only language in which w was observed to double: jitowwej 'to put out'.

## <u>c</u>

(2-17) <u>c</u> is an unaspirated tense voiceless alveolar affricate sounding much like the <u>ch</u> in <u>child</u>. <u>cc</u> is regularly longer than  $\underline{c}$ . In Ulithi (3) and in Moen (17) a very common alternant is a dental affricate sounding like the first sound of German zehn. In (5-14), i.e., the languages which have as separate phonemes sh and  $\dot{r}$ , which do not double except in Nama (14),  $\underline{c}$  is a fairly

infrequent phoneme which usually, but not always,

occurs doubled in native vocabulary. In Nama (14) c

and cc occur almost exclusively as occasional alter-

nants of sh and ssh.

1

(1)

Sonsorol has two 1-like sounds, a voiced laterallyreleased pre-velar stop somewhat like the <u>gl</u> in <u>aglow</u>, and a voiced apico-alveolar continuant. Because the former is a native phoneme occurring in numerous words, we reserve the plain <u>l</u> symbol to write it, for the sake of convenience; because the latter is a rare and marginal phoneme occurring in only a few loans such as kampala 'bell', we write it with the special symbol  $\underline{1}$ ,

despite the fact that it is phonetically similar to the <u>l</u> phonemes of the other languages in the subgroup. The native orthography does not distinguish these two phonemes.

(2) Tobi has a very rare marginal <u>1</u> which, in our data, occurs only in the loan word <u>leprosii</u> with the <u>1</u> being pronounced exactly as in the English <u>leprosy</u>. (Loan words in Tobi usually have <u>r</u> for an <u>1</u> in the source language: <u>soor</u> 'salt', <u>jikereesija</u> 'church'.)
(3-4) <u>1</u> is a regular phoneme, a voiced apico-alveolar lateral with positional allophones corresponding to "clear" <u>1</u> (contiguous to front vowels) and "dark" <u>1</u>

(in other environments).

(5-6) <u>1</u> after pause and when doubled is usually like the <u>1</u> of (3-4); intervocalically and before pause or a final voiceless vowel, it is frequently a voiceless lateral alveolar tap.

(7-15) <u>l</u> is as in (3-4).

- (1-17)  $\underline{n}$  is a voiced dental or alveolar nasal continuant in all the languages, but its status as a phoneme varies considerably:
- (1-2) <u>n</u> is a marginal phoneme. Its occurrence in our data is limited mostly to the following:
  - a) foreign words: Sonsorol singin 'to sing'.
  - b) the bound morpheme <u>ni</u>- 'an, at': <u>nifagaafI</u> 'at night'.
  - c) <u>n</u> or <u>nn</u> often occur (under conditions which cannot be fully stated) where <u>rr</u> or <u>rVr</u> are indicated: Sonsorol (1) <u>mwaarE</u> 'man', <u>mwanni thongosaaro</u> 'man-of Sonsorol', where \*<u>mwareri</u> would be expected.
- (3-4, 8) <u>n</u> is a marginal phoneme occurring exclusively in loan words: Mogmog (4) <u>sukuun</u> 'school'; Saipan (8) kagun 'box'.
- (5-7) <u>n</u> is a common phone with marginal phonemic status. It usually occurs in free variation with <u>1</u>, but there are many words in which <u>n</u> cannot be substituted for <u>1</u>: Woleai (5) <u>galong</u> 'body', Satawal <u>jylyyl</u> 'pillow'. And there are a few words in which most speakers appear to use <u>n</u> exclusively: Woleai (5) <u>nibwėgybwėg</u> 'butterfly'. But the distribution of <u>n</u> and <u>1</u> in these words is not systematic with regard to their distribution in languages (9-15) (in which they are not only regular phonemes, but also systematic with regard to  $*\underline{n}$  and  $*\underline{1}$ in Proto Malayo-Polynesian).

n

(9-17) <u>n</u> is a regular phoneme. In Truk (16-17) it is regularly denasalized when single, and in Moen (17) it is easily confused with r.

#### bw

- (1-2) <u>bw</u> is a voiced velarized bilabial fricative, so weakly articulated as to be easily confused with  $\underline{w}$ .
- (3-4) <u>bw</u> is a fricative as in (1-2) but more clearly articulated; it also has stop allophones. This sound does not occur inherently doubled, but when doubled across morph boundaries, it is always a stop: Mogmog (4) <u>seew</u> 'one', <u>bwél</u> 'flame', /sebbwél/ 'It's a flame'.
- (5-8) <u>bw</u> is most commonly a stop, but also has fricative allophones.

#### g

- (1-4) g is a voiced velar fricative in all positions, but it is sometimes voiceless after pause and sometimes is a voiced stop.
- (5-6) g is a voiced velar fricative, sometimes (especially in final position) so weakly articulated as to be nearly inaudible. It is sometimes voiceless after pause, and has voiced stop allophones.
- (7-8) <u>g</u> is most commonly a very lenis voiced velar stop, but it has fricative allophones as well.

#### th

(1, 3-4) th is an interdental fricative, always voiceless

after pause, frequently voiced in other positions. No inherently doubled instances of this phoneme were recorded in Sonsorol (1), but in Ulithi (3-4) tth occurs and is longer than th.

## $\underline{h}$

(8-12) <u>h</u> is a voiceless glottal fricative. On Saipan (8), this phoneme did not occur in the speech of the principal informant, but it does occur in the Tanapag dialect, constituting one of the main differences between that dialect and the Woleai village dialect of Saipan, which is the one spoken by the principal informant.

## $\underline{sh}$

(5-6, 8) sh is a voiceless retroflex palatal fricative sounding like the sh of shrewd, but with more r-color. (14)sh is a voiceless palatal fricative (without retroflexion) sounding somewhat like the sh of push. When double, it is approximately twice as long as sh.

## ŗ

(7, 9-13)  $\dot{r}$  is a voiced retroflex sonorant sounding like a

strong mid-west American English post-vocalic <u>r</u> but

with even greater resonance.

## b

(3-4, 8) <u>b</u> is a voiced bilabial stop which occurs only in loan words of recent origin: Mogmog (4) beenito

## 'Benito', <u>sabeedo</u> 'Saturday'.

<u>d</u>

(3-4, 8) <u>d</u> is a voiced dental stop occurring only in loan words: Mogmog (4) <u>sabeedo</u> 'Saturday', Saipan (8) kėlood 'color'.

?

(9, 11) Glottal stop occurs only in these two languages, where it is a marginal phoneme. In our data it occurs

> only in a few words: Pulawat (9) <u>lime</u>? '50', <u>wone</u>? '60', <u>tiwe</u>? '90', <u>já</u>?á 'trunk (of a tree)' and in Pulawat (9) and Pullap (11) <u>já</u>?áán 'trunk-of'. Strictly speaking it cannot be treated as an allophone of <u>k</u> despite the fact that it is obviously to be associated with <u>k</u>: there are no conditioning factors in the phonology to account for its occurrence in these words, and <u>k</u> cannot be substituted for it. But because of the very small amount of vocabulary which is involved (informants were unable to furnish additional examples except from onomatopoeia), we simply treat glottal stop as an exception and consider it no

further.

## 2.22 The voiced vowels. The voiced vowels are

much more nearly uniform than the consonants. Table 5 is a list of the principal voiced vowel phones. All vowels have both short and long occurrences, excepting for the  $\cancel{\phi}$  phoneme

## TABLE 5

## VOICED VOWEL PHONES

	front unrounded	front rounded	back unrounded	back rounded
high	i	<b>¥</b>	У	u
mid	е	ø	ė	0
low	å		a	ò

of Ulithi (3-4), which occurs only long.

Table 6 lists the inventories of voiced vowel phonemes for each of the languages. Rare and marginal phonemes are indicated by asterisk. The  $\not o$  phoneme of Ulithi (3-4) is rare because the phone itself is rare; whenever it does occur, however, it is in contrast. The other vowel phonemes which are asterisked are marginal because, while the phones involved are of frequent occurrence, they are only occasionally in contrast. Note the following pairs: (1) <u>tėėtA</u> 'a little', <u>woosA</u> 'reef' (2) <u>wėėr</u> 'turtle', <u>woor</u> 'to lie down'

> jảảpw 'species of fish', <u>taap</u> 'cheek' (2, 5-6) <u>waamw</u> 'your canoe', <u>wóómw</u> 'on you' (3-4) <u>tøøs</u> 'porcupine fish', <u>téés</u> 'truth' (5-6) <u>metámi</u> 'your (pl.) eyes, <u>gapejami</u> 'your (pl.) top-knot'

The phonemic distinction between  $\underline{\dot{a}}$  and  $\underline{a}$  in Woleai

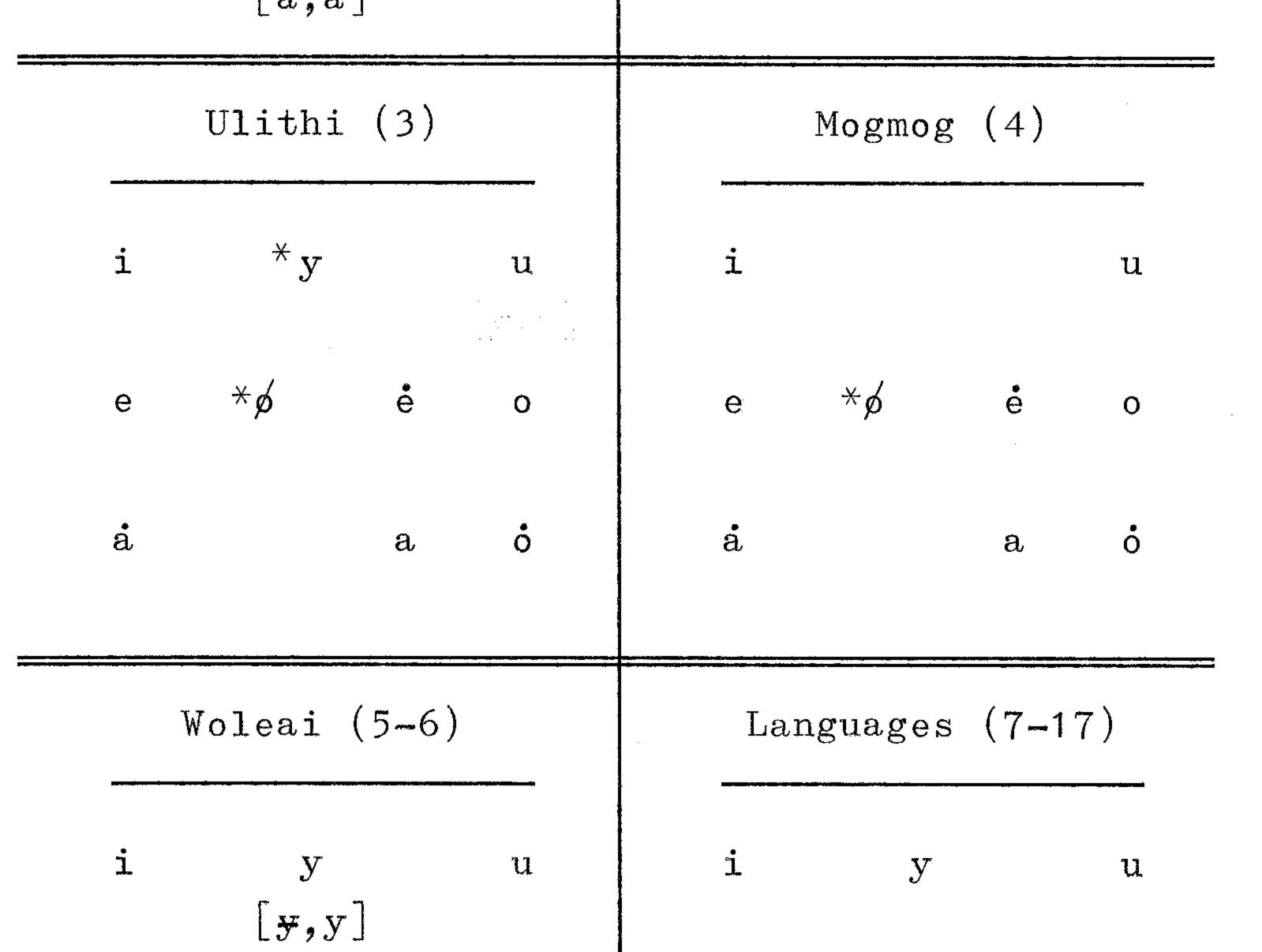
•

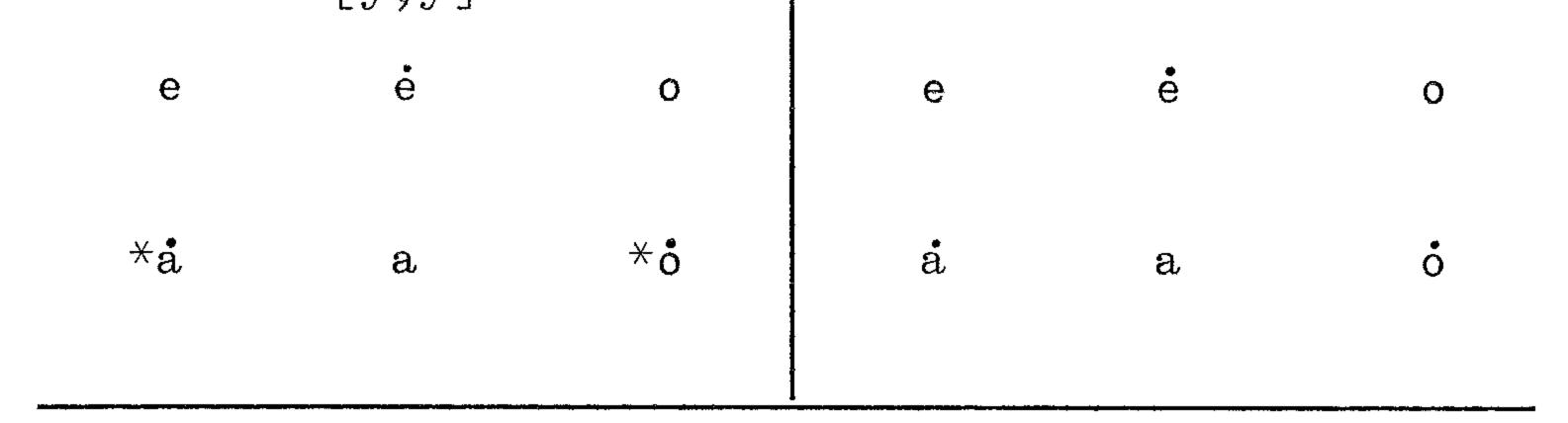
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## TABLE 6

## INVENTORIES OF VOICED VOWEL PHONEMES

S	Sonsorol (1) Tobi (2)					
i	У	u	i	У	u	
е	* <b>e</b>	0	е	*ê	0	
	a [a,a]		*å	a	×ċ	





(5-6) is established only in the most tenuous fashion by a few words such as the last two examples, where the informants would accept neither \*<u>metami</u> nor \*<u>gapejami</u>.

2.23 <u>Voiceless vowels</u>. Of all the types of diversity that disunite the Trukic languages, the most significant, or at any rate the most interesting, is the fact that some of the languages have (i.e. preserve) final vowels that are lacking in the other languages. In all seventeen languages, there are forms that end in vowels, e.g. (1-17) <u>ngii</u> 'tooth',

but in most, a large majority of forms end in consonants, and final stops are typically unreleased, especially in the east. However in Sonsorol (1) and to a lesser extent in Tobi (2), Woleai (5), and Ifaluk (6) (as well as the other Woleai dialects, of course) there are few final consonants but instead most forms terminate in what we shall here refer to as voiceless vowels.

Sonsorol (1) <u>waagA</u> 'vein', <u>wagarI</u> 'vein-of' Ulithi (3) <u>waag</u> <u>wagal</u> The <u>A</u> and <u>I</u> in the Sonsorol (1) words are segments which have been lost in Ulithi (3) (this is known from comparison with other Malayo-Polynesian languages). The stem-

vowels (e.g. the second -<u>a</u>- of Ulithi (3) <u>wagal</u>) in all the Trukic languages tend to preserve the old final vowels, but they do so very inconsistently: Sonsorol (1) <u>bwoongI</u> 'night', Ulithi (3) <u>bwongol</u> 'night-of', where \*<u>bwongil</u> might have been expected.

Phonetically, the voiceless vowels range from

completely voiceless to very slightly devoiced, as in Sonsorol (1) <u>maatA</u> 'eye' and <u>maangO</u> 'forehead' respectively. Unless otherwise noted, Sonsorol (1) is the subject of the following discussion and the source of examples. There are in this language seven voiced vowels which occur as the main vowel in "monosyllabic" words such as <u>waagA</u> 'vein', and six vowels which occur as the pre-pausal voiceless vowels. There are vowel harmony rules that restrict the co-occurrence of the voiced and voiceless sets. The following list illustrates

all the combinations that were recorded, but additional

research might turn up a few more:

- <u>i:I wiisI</u> 'banana'  $\underline{\dot{e}}:\underline{Y}$   $\underline{t}\underline{\dot{e}}\underline{\dot{e}}\underline{t}\underline{h}\underline{Y}$ 'truth' <u>riisO</u> 'coconut syrup' <u>A</u> <u>téétA</u> 'a little' 0 jiitA 'name' A o:0 mwoos0 'shortness' thiirE 'mother' E bwoothU 'body' U <u>y:Y ngyysY</u> 'boredom' bwoongI 'night' Ι wyytA 'rain'  $\underline{\mathbf{A}}$ thoongA 'anger' A. mwoothY 'cut (rope)' Y thuugU 'mountain' u:U
  - $\underline{0}$  <u>bwuug0</u> 'fight' <u>a:A</u> jaafA 'swimming'

A	thuungA 'hunger'	E	mwaarE	'man'
E	<u>bwuusE</u> 'insanity'	Ţ	jaafI	'fire'
<u> </u>	<u>mawurl</u> 'war'	Y	faatY	'eyebrow
		U	taabwU	'taboo'
E	<u>bweesE</u> 'lime'	<u>0</u>	gaat0	'basket'

<u>e:E bweesE</u> 'lime <u>I geesI</u> 'rat' Of the four languages that have voiceless vowels, it is Sonsorol (1) in which this feature most clearly and consistently operates as a system.<sup>3</sup> The voiceless vowels are phonetically conspicuous and for the most part they are readily identifiable. They are found regularly, sometimes even in loan words: <u>kaatU</u> 'card'. In the other languages in which voiceless vowels are found, they are much less determinate. In some words, they are clear and unambiguous, but in many words they are very difficult to hear, and the

informants disagree with one another or have difficulty
making up their minds as to what vowel occurs. For these
languages, only the voiceless vowels which were determinable
with some certainty are written; these, as might be expected,
tend to correspond to their counterparts in Sonsorol (1).
 Two words in Pulawat (9) were observed to retain
a voiceless vowel: <u>fitik0</u> 'meat', and <u>tajik0</u> 'turmeric';
it is likely that there are more examples, perhaps even a
few isolated ones in other languages, that were not noticed.
 2.3 <u>Sound correspondences</u>. Section 2.2 is a summary
description of the phonemes of the languages in the Trukic
subgroup framed in a series of typological statements which

can be paraphrased in the following form:

<sup>'</sup>In this respect, then, Sonsorol (1) can clearly be singled out as the most archaic of all the Trukic languages. The voiceless vowels on the whole are traceable to their origins in the parent language: Proto Malayo-Polynesian \*<u>ma-sakit</u>, Sonsorol (1) <u>matagI</u> 'pain'. Sonsorol (1) with what is essentially a six-vowel system is but a step away from the five-vowel system which Dyen hypothesized for pre-Trukese (Dyen 1949). Of the four languages that have voiceless vowels, it is Sonsorol (1) in which this feature most clearly and consistently operates as a system.<sup>3</sup> The voiceless vowels are phonetically conspicuous and for the most part they are readily identifiable. They are found regularly, sometimes even in loan words: <u>kaatU</u> 'card'. In the other languages in which voiceless vowels are found, they are much less determinate. In some words, they are clear and unambiguous, but in many words they are very difficult to hear, and the

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b) Sonsorol (1) and Tobi (2) are partly dissimilar in that Sonsorol (1) has an interdental fricative sound that functions as a phoneme <u>th</u>, but Tobi (2) has no such sound.

c) Sonsorol (1) and Tobi (2) are partly dissimilar in that whereas both languages have [i] and [a],

these two sounds are allophones of the same phoneme in Sonsorol (1) but different phonemes in Tobi (2).

Individually, such statements tell us very little about the languages (the names of almost any of the world's languages could be substituted for "Sonsorol" and "Tobi" in (a) without affecting the truth of the statement). But the many thousands of such statements implicit in 2.2 collectively constitute a description which is valid as far as it goes. Now consider statements of the following type: (Given an appreciable amount of cognate vocabulary) d) the <u>f</u> of Sonsorol (1) always (or almost always)

corresponds in Ulithi (3) to  $\underline{f}$  and never (or

almost never) to any other phoneme;

e) the th of Sonsorol (1) always (or almost always)

corresponds in Ulithi (3) to  $\underline{s}$  and never (or

almost never) to any other phoneme, and partic-

ularly not to th;

f) the correspondences of the <u>th</u> of Sonsorol (1) in Moen (17) are <u>s</u> or (unaccountably or under conditions which cannot be fully stated from the data at hand) <u>j</u> or <u>w</u> or  $\emptyset$ .

Almost any statement of correspondences between two languages gives more information about their relationship than statements like (a), (b), and (c) above, which are purely typological. In particular, statements like (d) and (e) say a great deal about this relationship very efficiently. The number of statements of correspondence that are like (d) could be expected to correlate somehow with the degree of intelligibility between the two languages; the number that are like (e) or (f) could be expected to correlate with the interference or mutual unintelligibility between the languages. Finally, both (e) and (f) state the kind of linguistic facts that underlie the drawing of one type of phonological isogloss.

2.31 <u>Consonant correspondences</u>. Table 7 lists the correspondences of the single consonants. In effect, it makes some 4,000 statements like (d), (e), and (f) above. The numbers across the top indicate the languages, and the left-most column is a series of labels for correspondences. These are sometimes referred to in the discussion which follows as if they were reconstructions, which they do in fact resemble. In any numbered column, two or more occurrences of the same symbol refer, of course, to the same phoneme. For example, the set of words which attest N and the set of

TABLE	7
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## CONSONANT CORRESPONDENCES

	1	2	<u>3</u> 4	<u>5</u> 6	7	8	<u>9</u> 12	13	14	15	<u>16</u> 17
PW	bw	bw	bw	bw	bw	bw	pw	pw	pw	pw	pw
Р	р	p	p	р	р	p	р	р	р	р	р
TH	t	t	h	h	t	t	t	t	t	t	t
K	g	g	g	g	g	g	k	k	k	k	k
K-j(w)	g	g	g	g	j	j	j	j	j	j	j
K <b>-</b> Ø	g	g	g	g	ø	ø	ø	ø	ø	ø	ø
K-s	g	g	g	g	g	g	k	S	k	k	S
F	f	f	f	f	f	f	f	f	f	f	f
Т	t	t	t	t	S	S	h	S	S	S	S
S	th	S	S	S	S	S	h	S	S	S	S
S-j(w)	th	S	S	S	j	j	j	j	j	j	j
s-ø	th	S	S	S	ø	ø	ø	ø	ø	ø	ø
С	S	С	Ċ	$\mathbf{sh}$	ŕ	$\mathbf{sh}$	ŕ	ŕ	$^{\mathrm{sh}}$	с	с
MW	mw	mw	mw	mw	mw	mw	mw	mw	mw	mw	mw
Μ	m	m	m	m	m	m	m	m	m	m	m
NG	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
NG-n	ng	ng	ng	ng	ng	ng	ng	n	ng	ng	n
N	r	r	1	1	]	1	n	n	n	n	n
L	r	r	1	1	1	1	1	1	1	1	n
R	1	g	r	r	r	r	r	r	r	r	r
J	j	j	j	j	j	j	j	j	j	j	j
W	W	W	W	W	W	W	Ŵ	W	W	W	W

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words which attest L both have <u>l</u> in Ulithi (3), or to phrase it in historical terms, <u>n</u> and <u>l</u> have merged in Ulithi (3). Each of these correspondences is attested by numerous vocabulary words, and an overwhelming percentage of the cognates are regular with respect to them. The number of exceptions is small, and many of these are explainable on the basis of independent evidence as due to dialect diffusion and the like. In the following section, the consonant correspondences are listed and discussed. At the heads of the

subsections, examples are given (where they are available) attesting the correspondence in initial, medial, and final position, together with references to Appendix 1, where the complete data for each word can be found.

PW(1) <u>bwawytY</u>(17) <u>pwėėt</u>1 'nose'<u>wubwut0</u><u>wupwut</u>479 'unopened coconutleaf'leaf'<u>gijobwU</u><u>kijopw, siipw</u>468 'spider lily'

The isogloss which divides the <u>bw</u> area from the <u>pw</u> area is discrete phonemically, but the actual pronunciation changes in a smooth continuum from a voiced fricative in the

west to a voiceless stop in the east. Even as far east as Truk (16-17)  $\underline{pw}$  is sometimes a voiced fricative in intervocalic position, but the voiceless stop can always be substituted without change of meaning; but this is not true of (1-8), and that is one of the main reasons for setting up

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bw and pw as separate phonemes in these languages.

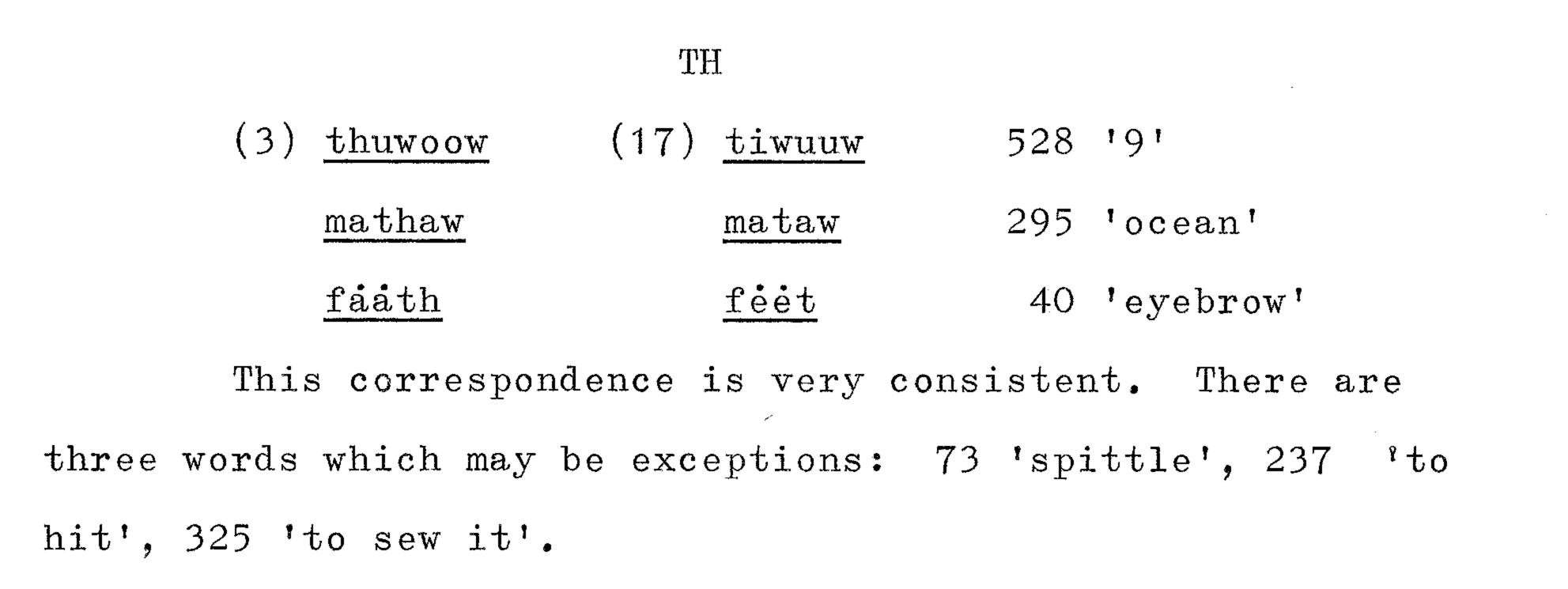
	/h.r./	3		9 11			
	/ <u>bw</u> /	<b>ļ</b> .	7	10 12	2	13	
	2	5		/ <u>pw</u> /	14		16 17
1		6				15	

Figure 5.--Map PW.

Ρ

(1) <u>paapA</u> (17) <u>paap</u> 393 'board

<u>paperI</u> <u>papen</u> 393 'board-of' P is uniformly p. 6 'elbow' is apparently a case of correspondence between p and <u>f</u>: (13) japilipil, (14-15) jafilifil.



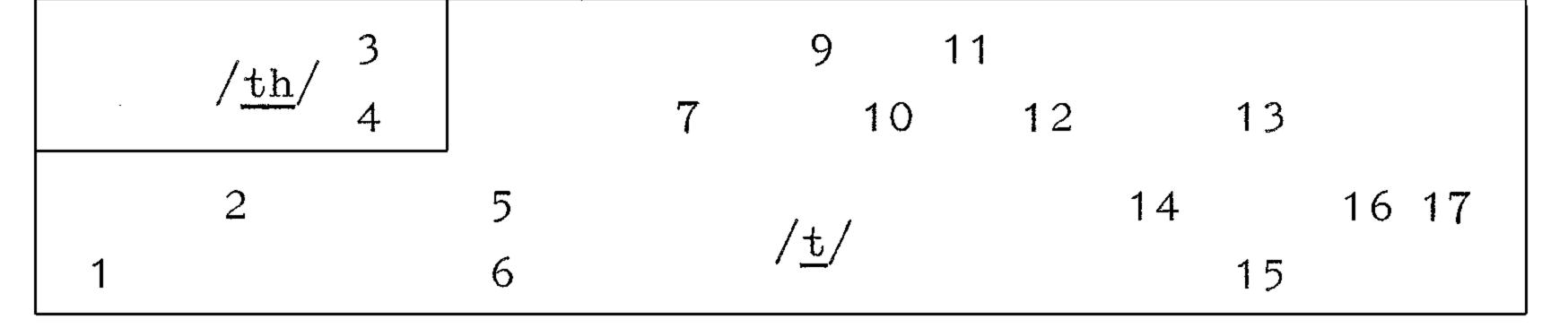
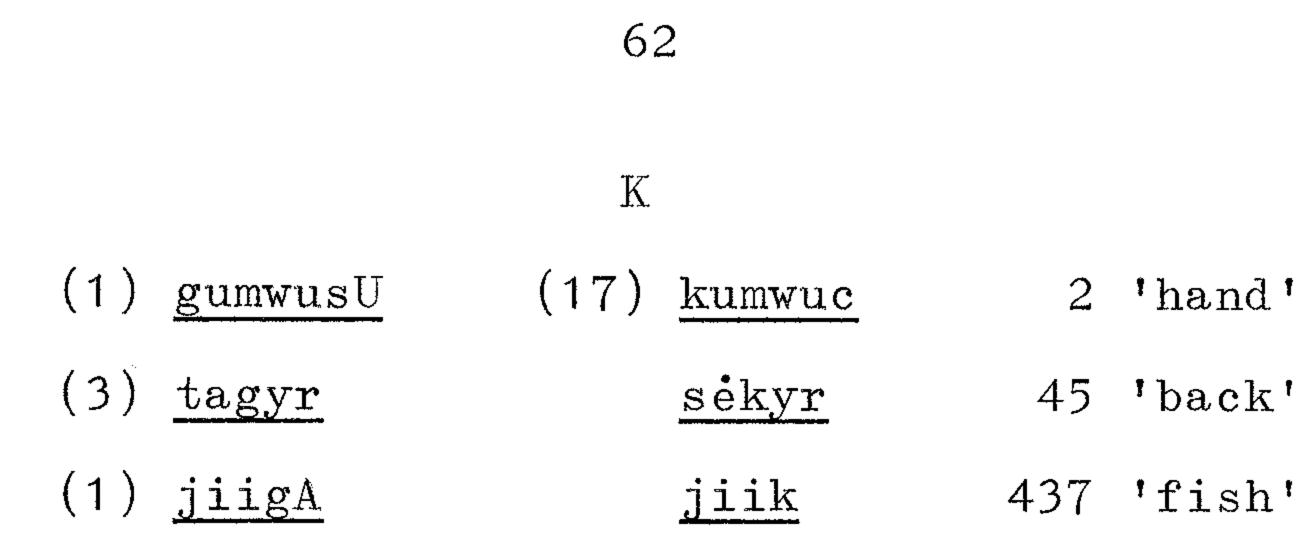


Figure 6.--Map TH.

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This correspondence has many parallels to PW. Here, too, the discrete line between (7) and (9) reflects a difference in phonemic structure rather than a sharp border between two different pronunciations. The final consonant in the word for "fish" varies continuously from a fricative in

the west to predominantly stop articulations in the east.

	//	3		9	11			
	/ <u>g</u> /	4	7	10	12		13	
	2	5		/ <u>k</u> /		14		16 17
1		6					15	

Figure 7.--Map K.

K-j(w)

(1) gatamA (17) jasam 347 'root'
East of Ifaluk (6) (in actuality, of course, east of
Lamotrek Atoll), initial <u>k</u> frequently becomes a semivowel
(which, for some of the languages, is tantamount to saying

that it disappears). Examples are 6 'elbow', 13 'thigh',
73 'spittle', 249 'sweetheart', 322 'sarong', 390 'doorway',
427 'palm toddy', 433 'mast', 513-17 'Monday-Friday', 413
'food; to-be-eaten object' (but note the retention of <u>g</u> (<u>k</u>)
in the same morpheme in 56 'stomach').
Examples with sporadic retention of <u>g</u> (<u>k</u>) east of

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the Woleai area are 132 'boredom', 134 'green', 184 'to scratch', 261 'to hold it', 382 'cloud', 440 'fish-hook', 508 'rat', and 'you (sg. subject pronoun)'.

K-Ø

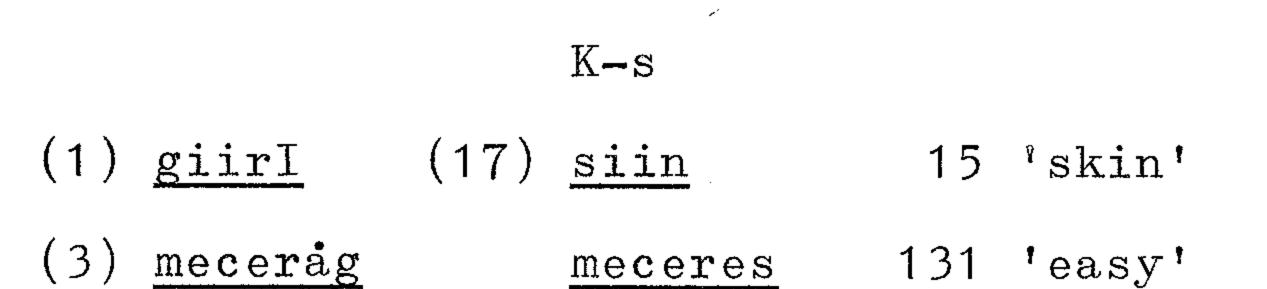
(3) wagar (17) <u>waar</u> 347 'root' (1) <u>rag0</u> <u>no</u> 274 'to go'

Medial and final  $\underline{k}$  are sometimes lost east of the Woleai area. The words affected by this change are consistent in our data---that is, there are no sporadic retentions

of  $\underline{g}(\underline{k})$  east of the line. Examples of this correspondence are 28 'vein', 274 'to go', 324 'sennit', 347 'root', 353 'pebble', 471 'taro', 477 'coconut shell', 513 'Monday'.

/g/	3	9 11	
/ <u>6</u> /	4	7 10 12	13
2	5	/j(w)/, Ø	14 16 17
1	6		15

Figure 8.--Composite of K-j(w),  $K-\emptyset$ .



<u>k</u> before <u>i</u> or <u>y</u> (in every case where it is possible to determine the vowel) frequently changes to  $\underline{s}$  in Murilo (13) and Truk (16-17). Examples are 1 'body', 15 'skin', 131 'easy', 167 'to know', 170 'to forget', 196 'to ask',

289 'to burn', 309 'to pound', 313 'to braid', 318 'to open',

456 'hibiscus' (same morpheme as 'skin'), 468 'spider lily', 500 'butterfly'. Examples where this change shows up in other Truk District languages are 320 'mat', 430 'outrigger boom', and 77 'to blow on it' (with <u>h</u>). The languages which have this change sporadically are Pullap (11), Namonuito (12), and the Mortlocks (14-15), i.e., just those languages which are nearest Truk geographically and thus most likely to have been influenced by Truk in the past (it is no longer necessarily true that the more distant islands Pulawat (9) and Pulusuk (10) are less likely to be influenced linguistically by Truk than is, say, Pullap). Therefore these exceptional cases are almost certainly to be ascribed to dialect diffusion outward from Truk.

A puzzling change, which is just the converse of K-s, appears in four words in the Mortlocks (14-15). These are 130 'difficult', 217 'spear', 316 'help', and 317 'coconut "cloth"'. Cf. Mortlock <u>wejiråk</u> 'difficult', Truk <u>wejires</u>. It is conceivable that the Mortlock word came about through false analogy with 131 'easy': that is, by the equation

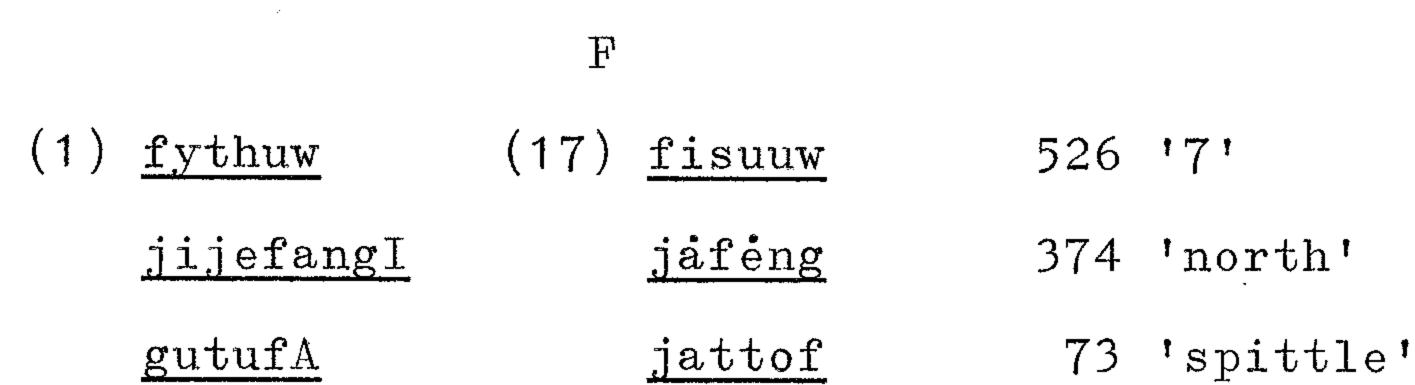
Truk meceres : Mortlock mycarak 'easy'

=Truk wejires : Mortlock  $\underline{x}$  'difficult' resulting in wejirak. Because of the semantic connection between these two words, this explanation seems plausible, but it is admittedly a weak hypothesis to account for the same change in so many words.

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		3		9 11				
		4	7	10	12			/ <u>s</u> /
	2	5	/ <u>e</u>	<u>, k</u> /		14		16 17
1		6		·			15	

Figure 9.--Map K-s





F is uniformly  $\underline{f}$  (but see P).

Т (1)  $\underline{\text{taringA}}$  (9)  $\underline{\text{håling}}$  (17)  $\underline{\text{sening}}$  38 'ear' jasam 390 'doorway' gatamA jaham 39 'eye' maah maas maatA The correspondence of  $\underline{t}$  in (1-6) with  $\underline{s}$  or  $\underline{h}$  in (7-17) is quite consistent excepting that there are four words in which the languages in the Woleai area have the eastern <u>s</u> rather than <u>t</u>. These words are 245 'boy', 317 'to put', 481 'barracuda', and 493 'octopus'. The corre-

spondence of <u>h</u> and <u>s</u> is also consistent. The exceptions in

this data are loans: 216 'sword', 217 'spear'. (See also S).

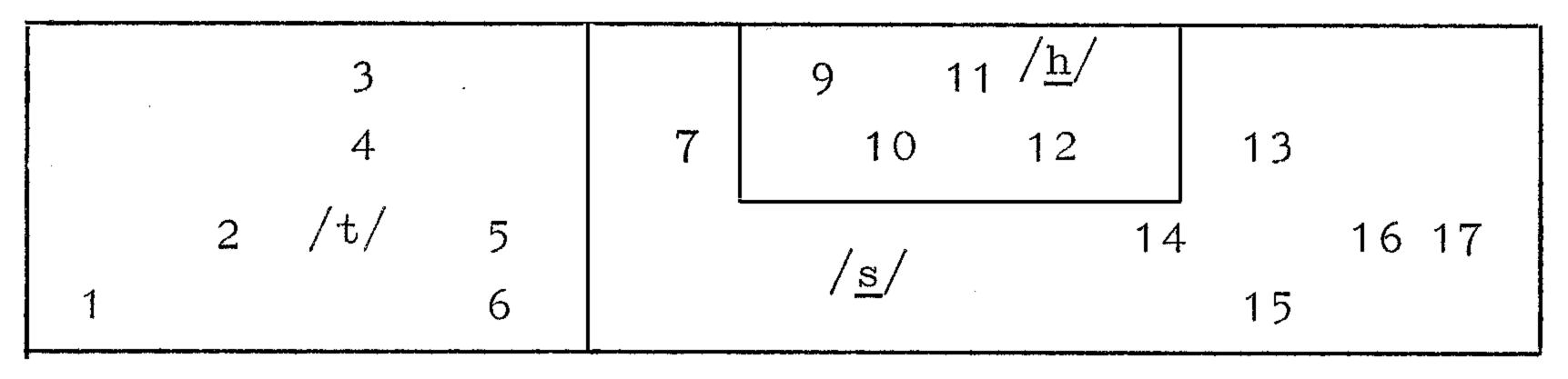


Figure 10.--Map T.

S (1) <u>thoongA</u> (9) <u>hoong</u> (17) <u>soong</u> 178 'anger' <u>jaathO</u> <u>jooh</u> <u>joos</u> 389 'roof' This correspondence is unattested in our data in morpheme-medial position. The one example of a medial <u>th</u> in Sonsorol (1) which does not participate in the correspondence S-j(w) or S-Ø--<u>fythuw</u> '7'--has <u>s</u> irregularly in the <u>h</u>-area languages (9-12). But since there is no reason to believe otherwise, the lack of a clear-cut attestation for medial S

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# is probably accidental.

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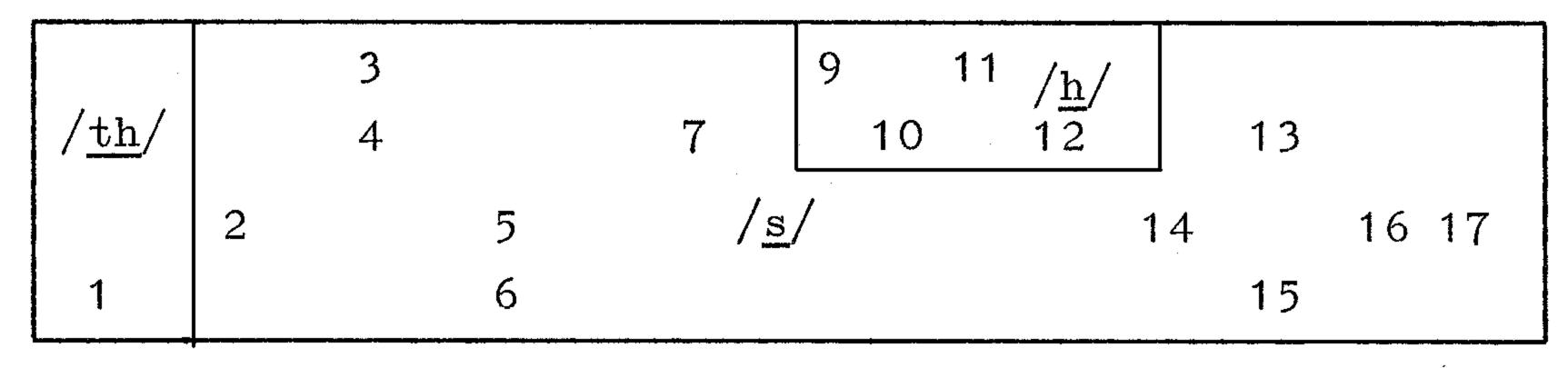


Figure 11.--Map S.

S-j(w)

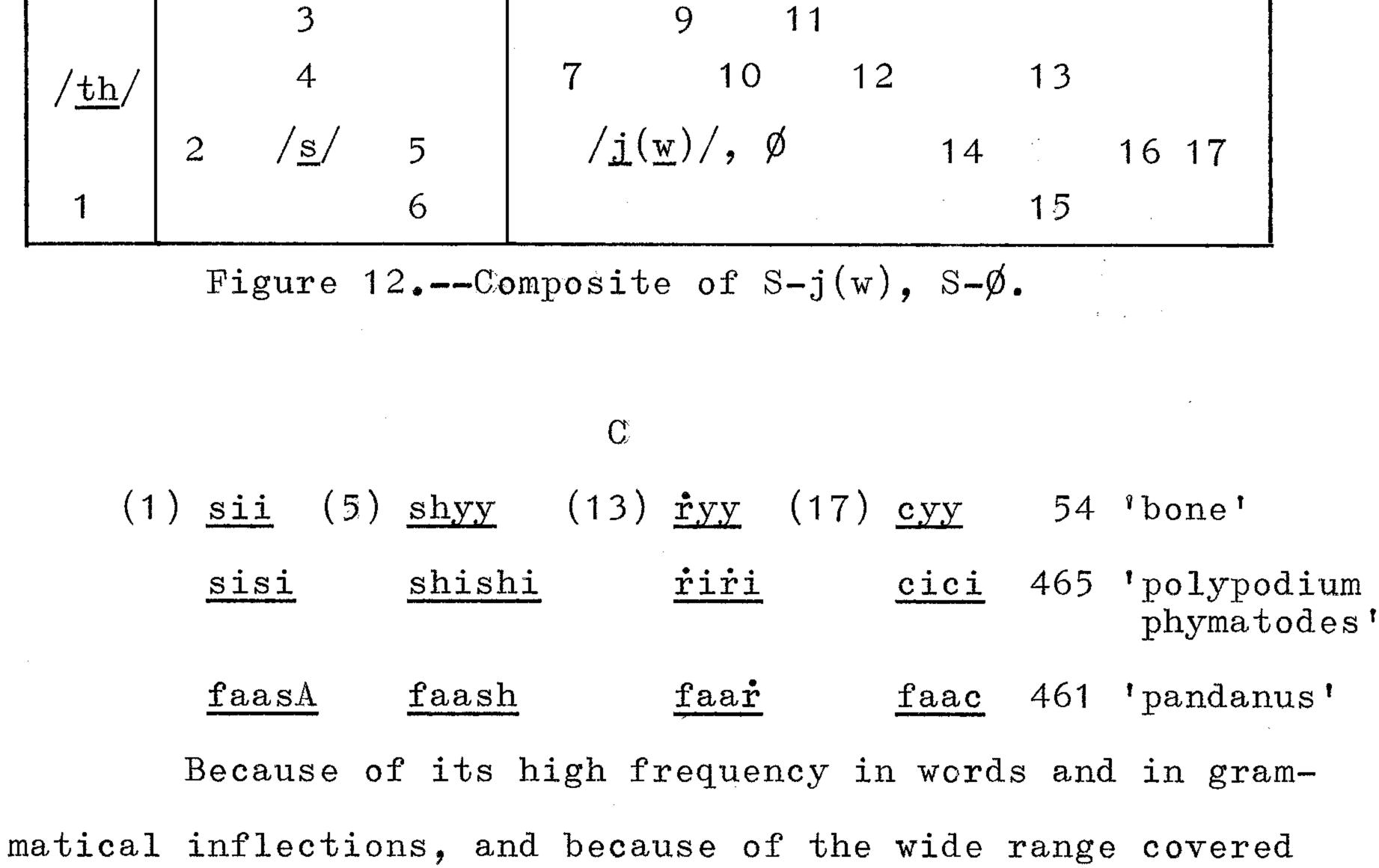
(1) <u>thiirE</u> (6) <u>siilE</u> (17) <u>jiin</u> 251 'mother' <u>mathylY</u> <u>misyr</u> <u>mewyr</u> 163 'to sleep' <u>laath0</u> <u>raas0</u> <u>raaw</u> 497 'whale' East of a line which separates the Woleai area

(5-6) from Satawal (7), the reflexes of (1-6) <u>th</u>(<u>s</u>) are frequently a semivowel. The words in our data which attest this change are more numerous than those which attest S. In several words the isogloss irregularly runs between Ulithi (3-4) and Woleai (5-6): 314 'to plait', 353 'pebble', and 354 'rock'.

## s-ø

(1) <u>fithiig</u> (6) <u>fisiig</u> (17) <u>fiik</u> 535 '70' <u>gawythY</u> <u>gawys</u> <u>jawy</u> 433 'mast' In a few cases the <u>th(s)</u> of (1-6) disappears east of the Woleai area (5-6) when in medial or final position. These are somewhat irregular: 506 'louse' (sporadic), 535 '70' (with the <u>s</u> irregularly retained in (7-8)). Regular are 146 'to die', 252 'brother', 381 'star', 433 'mast'.

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phonetically by the phonemes that make up this correspondence, it is one of the most conspicuous differences among the languages (to native speakers as well as to foreigners). It is perfectly regular, excepting that some speakers in the Woleai area use  $\underline{c}$  in free variation with  $\underline{sh}$  in all words, and some words in (13-14) have  $\underline{c}$ --or, we might say the use of  $\underline{c}$  is spreading outward from Ulithi and Truk.

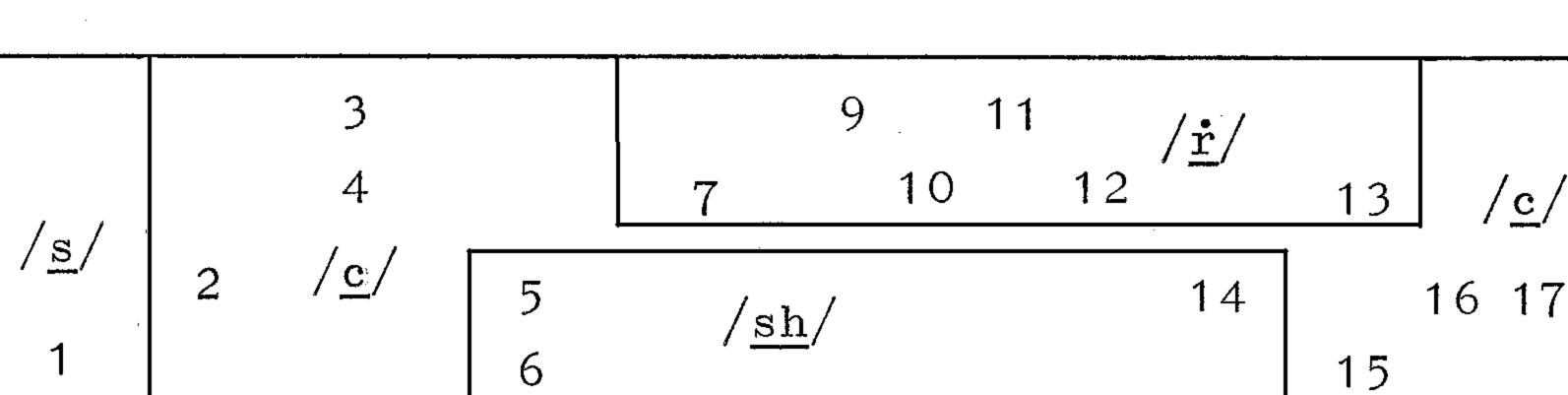


Figure 13.--Map C.

#### MW

(1) <u>mwaarE</u> (17) <u>mwaan</u> 241 'man, male'
<u>gumwusU</u> <u>kumwuc</u> 2 'hand'
jiimwA jiimw 388 'house'

There is sporadic correspondence between  $\underline{mw}$  and  $\underline{m}$ . The words involved are 353 'pebble', 161 'to sit', 80 'to eat'.

M (1) <u>matawA</u> (17) <u>mataw</u> 295 'ocean' <u>rimow</u> <u>niimuw</u> 524 '5' <u>malamA</u> <u>maram</u> 378 'moon' This correspondence is almost perfectly regular (but see MW).

# (1) <u>ngėėr¥</u> (17) <u>ngyyn</u> 400 'soul' <u>mangal¥</u> <u>menger</u> 484 'flying fish' <u>wuungA</u> <u>wuung</u> 392 'ridge-pole' There are very few exceptions to the uniform correspondence of <u>ng</u> aside from those covered under NG-n below. In the independent (cardinal) pronouns, Tobi (2) has

ngaamem and ngaami ('we, exclusive', 'you, plural) where all the other languages have gaami, jäämi, or the like. Conversely, Woleai (5-6) is unique in having gaang ('I') where all the other languages have <u>ngaang</u> (see page 209).

NG-n

(1) bwoongI
 (17) pwiin
 264 'night'
 In the same three languages which have the K-s
 correspondence, <u>n</u> sometimes appears before a (former) final
 <u>i</u> where all the other languages have <u>ng</u>. The words in our

data which have this correspondence are 67 'to smell it', 103 'deaf', 179 'to quarrel', 225 'sharp', 264 'night', 279 'to turn it over', 283 'to push it', 289 'to burn it', 374 'north', and 439 'dorsal fin'. In 496 'turtle' and 569 'when', the correspondences of <u>ng</u> and <u>n</u> are very irregular.

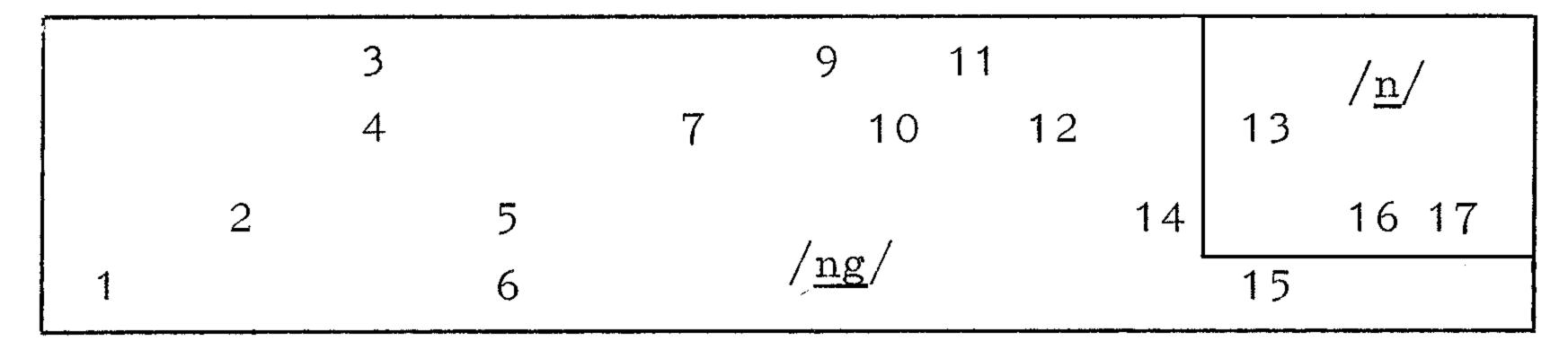


Figure 14.--NG-n.

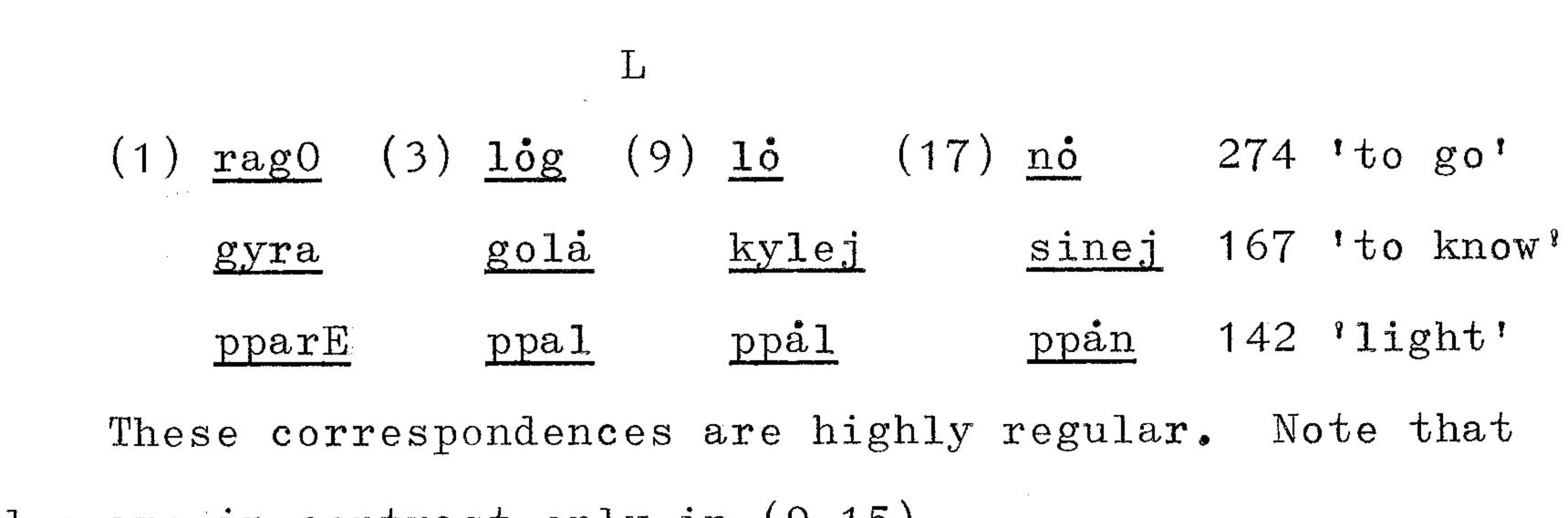
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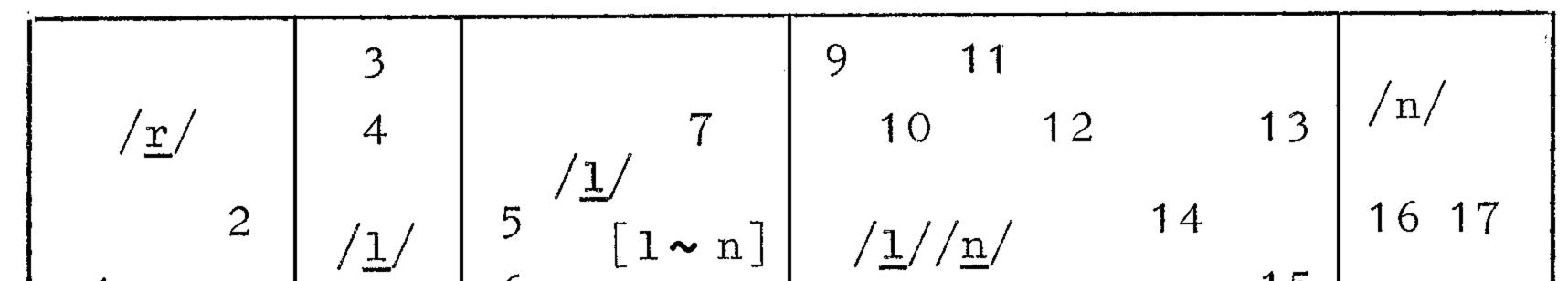
# (1) raaw0(3) laaw(9) noo(17) noo367 'wave'worowwoloowwonoowwonuuw525 '6'ttarAtthalttanttan166 'dream'

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The correspondences subsumed under N are regular.



<u>l</u> and <u>n</u> are in contrast only in (9-15).



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	/1/	-	[l∼n]	/ <u>1</u> // <u>n</u> /		:
1		6			15	
						<u>,</u>

Figure 15.--Composite of N and L.

 R

 (1) long0
 (2) gong0
 (17) rong
 68 'to hear'

 malamA
 magam
 maram
 378 'moon'

 thyylA
 syyg
 wyyr
 391 'house pillar'

 Tobi
 (2) has r where g would be expected in 68 wor

 'to exist' and in 457 gurugur 'lemon'.
 Otherwise this correspondence is regular.

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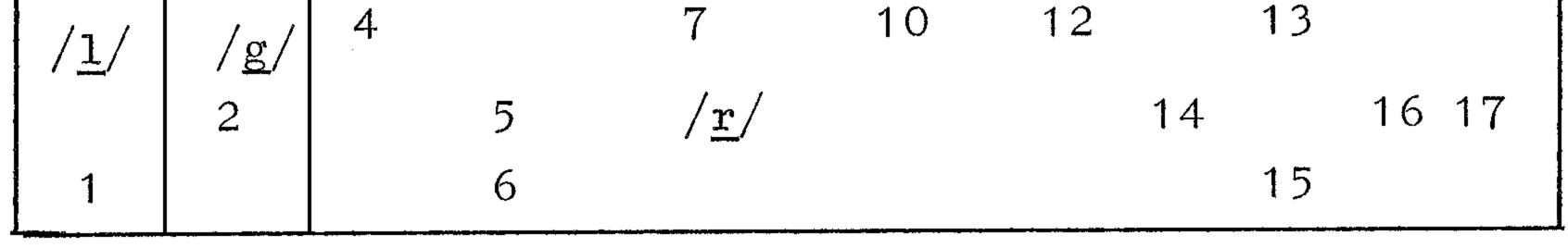


Figure 16.--Map R.

(1)	jiitA	(17) <u>jiit</u>	396	'name'
	gijaw0	<u>kijo</u>	430	'outrigger boom'
	maajI	maaj	451	'breadfruit'

As noted earlier (p. 44),  $\underline{j}$  is subject to a certain instability which is also characteristic, to a lesser extent, of  $\underline{w}$ . Excluding this factor and some neutralization of  $\underline{j}$  and w, this correspondence is regular.

#### W (1) <u>waari</u> (17) <u>waan</u> 429 'canoe-of' <u>jawari</u> <u>jawen</u> 32 'mouth-of' <u>ssaw</u> <u>ccow</u> 143 'heavy'

Like  $\underline{j}$ ,  $\underline{w}$  is regular excepting for a good deal of alternation between  $\underline{j}$  and  $\underline{w}$  that is difficult to pin down to regular patterns.

Tobi (2) sometimes has <u>g</u> where all the other languages have a semivowel: Tobi (2) <u>wyyg</u>, Mogmog (4) <u>juuj</u> 'neck (30). The other examples in our data are 371 'reef', 436 'sail', 450 'betel nut', 498 'ant', 530 '20', 541 'twoanimate', and -<u>tig</u>, the adverbial suffix which is -<u>tiw</u> in most of the other languages. Probably also relevant in this context is the anomalous Tobi (2) <u>ryyg</u> 'coconut' (475), where all the other languages lack a final vowel.

This completes the description of the consonant correspondences, and we turn next to the vowels.

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2.32 <u>Vowel correspondences</u>. The correspondences of the vowels are simpler but subject to much more irregularity than the correspondences of the consonants. The main patterns are clear:

- a) in those languages in which  $\underline{\dot{a}}$  and  $\underline{\dot{o}}$  are not regular phonemes (1-2, 5-6)  $\underline{a}$  followed after an intervening consonant by  $\underline{I}$  or  $\underline{E}$  usually corresponds to  $\underline{\dot{a}}$ , and  $\underline{a}$  so followed by  $\underline{0}$  usually corresponds to  $\underline{\dot{o}}$ , in the other languages;<sup>4</sup>
- b) in those languages in which y and u are not regular phonemes (3-4), the y of other languages is <u>i</u>, <u>y</u>, or <u>u</u>. Mogmog (4) (and probably other dialects of Ulithi) has no y even phonetically;
- c)  $\underline{\phi}\underline{\phi}$  in Ulithi (3-4) corresponds to <u>ajy</u> or <u>awy</u> in the other languages;

d) all other vowels tend to correspond directly. While these rules have many exceptions, they do account for a good share of the vowel correspondences in our data. These are illustrated by the following list of cognates.

	Sonsorol (1)	Satawan (15)		
i	giirI	kiil	15	'skin'
	jiimwA	jiimw	388	'house'
	$ extsf{thiirE}$	jiin	251	'mother'
e	geesI	jeec	508	'rat'

<sup>4</sup>This rule may also be interpreted diachronically: <u>a</u> has split into the three phonemes <u>a</u>, <u>a</u>, and <u>o</u>. .

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	bweesE	pweec	138	'lime'
<u>y</u>	gyythY	kyy	506	'louse'
	thyylA	wyyr	391	'house pillar'
ė	ngėėrY	ngėėn	400	'soul'
a	maatA	maas	39	'eye!
	faatY	faat	40	'eyebrow'
	jaatI	jååt	57	'gall bladder'
	jaatE	jååt	44	'chin'
	raangI	låång	379	'sky'

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	maat0	mööt	161	'to sit'
	jaath0	joos	389	'roof'
	<b>r</b> aang0	lööng	504	'fly'
<u>u</u>	guurU	kuul	449	'Barringtonia'
	wul0	wur	100	'full'
	wuungA	wuung	392	'ridge-pole'
	mawurI	mawun	182	'war'
<u>0</u>	tamwoorU	samwool	397	'chief'
·	mwos0	mwoc	113	'short'
	bwoongI	pwoong	264	'night'
	thoongA	soong	178	'anger'

Sonsorol (1)	Mogmog (4)	
pawyrI	pøøl	5 'arm-of'
tajythY	tøøs	485 'porcupine fish'
thyy1A	suur	391 'house pillar'
tyyty	thuuthu	259 'to bathe'

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2.4 <u>Summary</u>. In this chapter we have tried to describe the differences and similarities in the sounds of the languages. To this end, the concept of phonemic contrast has proven to be a valuable analytic and descriptive tool, the utility of which is not vitiated by the fact that it is sometimes neither possible nor desirable to distinguish sharply between phonemic and "merely" phonetic differences. To overlook, for example, the denasalization of nasal consonants in Truk (16-17) simply because it is a completely sub-

phonemic phenomenon, would be to miss one of the most conspicuous differences between Truk and the rest of the languages, a difference that can and does interfere with communication. Or consider the sounds <u>n</u> and <u>l</u>: in Pulawat (9) they are in regular contrast, but in Woleai (5) they are in (essentially) free variation. From the point of view of the speaker of Pulawat (9), the difference is a phonemic one which is a quite likely source of interference; but to a speaker of Woleai (5), the difference between his language and the other is a phonetic one of which he may not even be aware. Such problems abound in this group of languages, and it is obvious that when features like these are mapped, the

isoglosses can be interpreted in several ways. This kind of complication increases the difficulty of applying a quantitative measure to phonological differences: there is always the danger of the researcher allowing his methods and results to be biased by what he expects to find. Yet the phonological correspondences of the consonants provide sufficiently unambiguous dialect criteria that the main outlines are clear. Most of the phonological isoglosses mapped in 2.31 are what could be called "sharp": that is, in a map such as the one for the K- $\emptyset$  line (Figure 8), the isogloss neatly splits the whole language area into two parts, each of which is consistent within itself. The line represent not only the easternmost extension of <u>g</u> in the words involved, but also the westernmost extension of  $\emptyset$ --it is in a sense, two lines--and there is in respect to this feature no transitional zone,

or area of divided usage. In effect, no island is a transition zone in regard to any one feature. But on the other hand, these isoglosses are more or less evenly dispersed from one end of the area to the other, so that every island can be considered to be a transition zone in that the set of features it shares with the islands to the west of it differs from the set of features it shares with the islands to the east of it. Perhaps no metaphor describes this kind of situation better than that of a "chain."

Figure 17 is a composite map of the chief phonological isoglosses. In addition to the features mapped in 2.31, this map has the following lines:

(a) separates those languages (1-2, 5-6) which have

voiceless vowels from those which do not;

(b) separates those languages (7-17) which have a

full nine-vowel system from those which do not;

(c) separates those languages which regularly have denasalization of nasal consonants (16-17) from the rest.

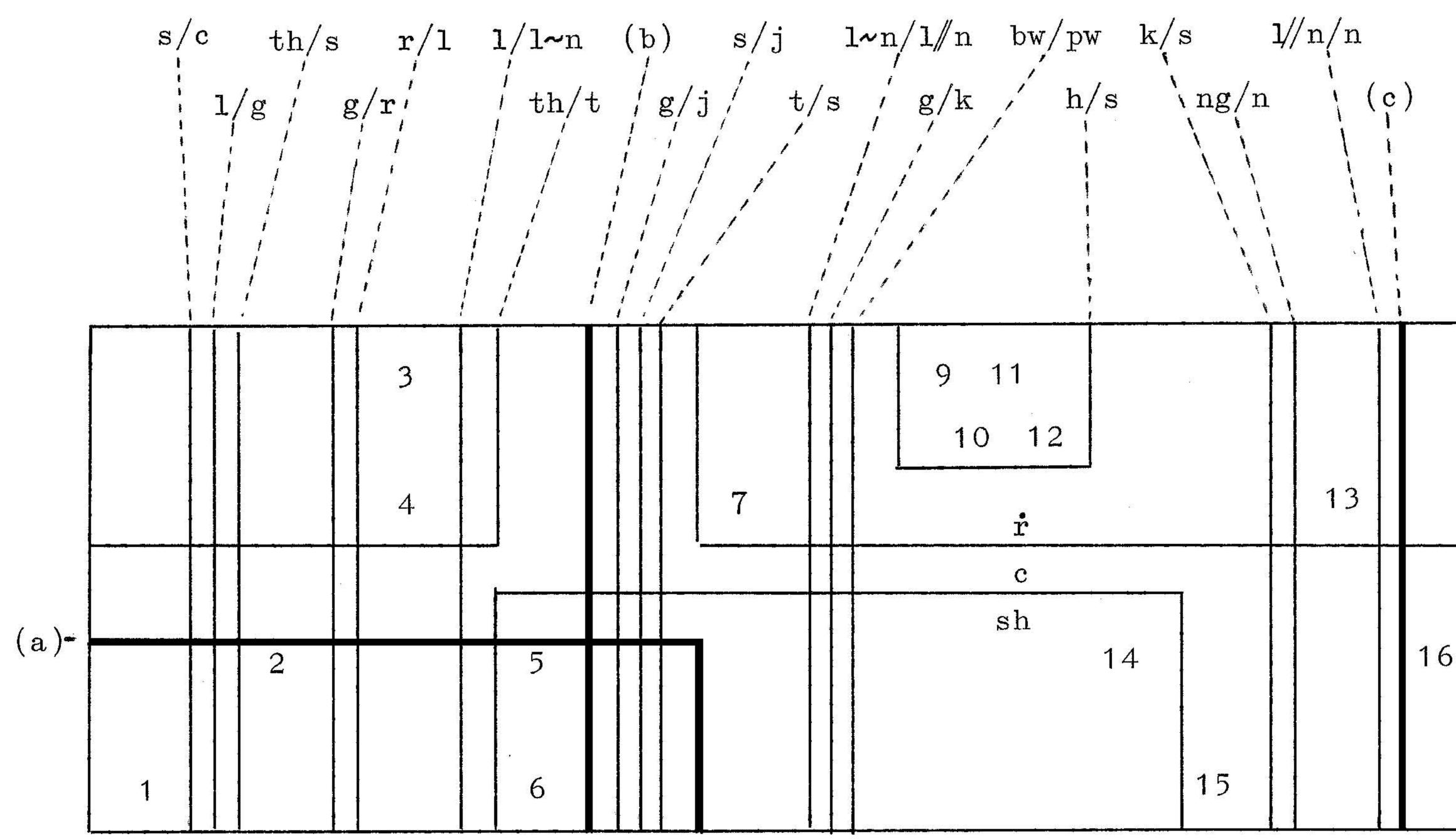
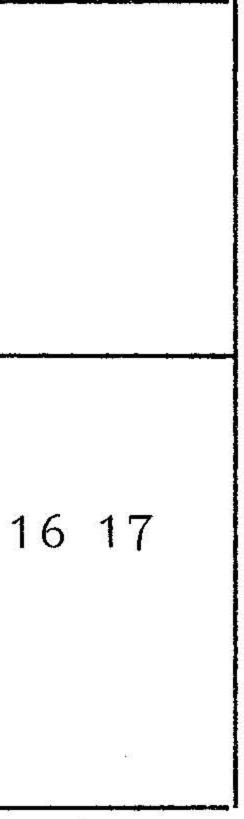


Figure 17.--Chief phonological isoglosses (not to scale).

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# 3. LEXICON AND GRAMMAR

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3.0 <u>Introduction: patterns of lexical similarity</u>. Analysis of the lexical and grammatical data corroborates the findings of the phonological comparison: the areas with the highest percentages of shared vocabulary are joined in a chain-like configuration. Another result of the study of

cognates is the discovery that exclusively-shared vocabulary

items are in two concentrations that may be likened to focal areas.

### 3.1 The lexicon.

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3.11 <u>Securing the data</u>. In any linguistic study, total accuracy is probably unattainable, and nowhere more so than in a broad survey like this one. Comparison of two or more lexical systems is full of pitfalls, such as overlapping areas of meaning, apparent synonyms which differ in connotation or social acceptability, the biases and fallibility of the informants and the linguist, and so on. These problems have been the subject of much discussion in the linguistic

literature and require scant attention here. Although some inaccuracy is unavoidable, it can be kept within tolerable limits. The effects of inaccuracy upon conclusions can be minimized by securing a sufficiently large body of data characterized by a high level of comparability. Such has been our aim.

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The linguistic forms which make up our data are mostly responses to questions of the type "How do you say X?", where X is a word or phrase in English. These responses sometimes imply further questions. For example, consider 407 'bird'. In Satawan (15) it is <u>mansyysy</u>, which is apparently derived from <u>maan</u> 'animal', and <u>syy</u> 'to fly'. The equivalent in Moen (17) is <u>maccang</u>, which is probably derived from <u>maan</u> and <u>-cang</u>, an allomorph of a morpheme of undetermined meaning. The Moen (17) informant volunteered that maccang "also means

insect." One might now ask: What is the entire semantic range covered by <u>maccang</u>? Does it include all insects, or perhaps only ones which fly? What does <u>mansyysy</u> mean, aside from 'bird'? Does it include bats? How about flying fish? Is a native speaker of Moen (17) aware of separate meanings for the constituent morphemes of <u>maccang</u>? In any case, what are they? Does Satawan (15) have a cognate to <u>maccang</u>? If so, what does it mean? How do these words relate to Pulawat (10) <u>manyn leemal</u> (lit. animal-of the land), which is the word for 'bird' in that language, but which also applies to all other non-marine fauna? These are interesting questions, but our method requires that we resist the temptation to fol-

low them down an "implicational chain," seeking answers first to these questions, then to the questions implied by those answers, and so on. Our approach is what has been called the onomasiological one, as opposed to the semasiological (Herzog 1965:49). By thus carefully circumscribing our objectives, we sacrifice depth but we promote uniformity.

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Since lack of time precluded the luxury of a more indirect approach, data were for the most part elicited by asking the informant directly to translate a word, phrase, or short sentence from English into his own language. Gesture, pantomime, and pictures were used as much as possible. Only when every other method failed to produce a usable response (as when the informant could not think of a word or was unsure of his English) did it become necessary to resort to priming the informant with the equivalent form

in another Trukic language.

For every word, after the elicitation of what appeared to be a reliable response, the informant was asked for other commonly used words with the same or similar meaning; sometimes his memory was jogged by giving him the word from another dialect. It is significant that this process was much more productive of synonyms in Saipan (8) and in the Truk District languages (9-17) than in languages (1-7). Typically, a Ulithi (3-4) informant upon being prompted with a word from another language would reply, "That's a Woleai word, but we never say it." On the other hand, a speaker of, say, Nama (14) would be more likely to reply, "Oh, we use

that word, too" or "Young people from my island use that word often, but old people don't know it," and the like. Independent evidence--settlement history--establishes that the reason for this effect on Saipan (8) is dialect mixture, and the same explanation doubtless holds for the Truk District. In the appendix, a single slash (/) precedes synonyms everywhere except for one or two discontinuities (327 'head garland'). There is naturally a great temptation to throw out some of the less tractable data, since part of the skewing must certainly be attributed to inaccuracy. During the early stages of the field-work, a few items were dropped from the questionnaire because it proved impossible to find reasonably close equivalents for them which were comparable in all the languages--examples are 'other', 'how', 'to give', 'fog', and 'slave'. There are perhaps two dozen more which could be dropped with good justification: some of these are 169 'to remember', 219 'bow', 220 'arrow', 289 'to burn', and 360 'harbor'. However, such tampering with the data is not

prerequisite to finding clear patterns of lexical distribution, and so we have retained all of it.

3.13 Analyzing the data. Out of the almost limit-

less variety of revealing ways in which the shared vocabulary

might be classified and counted, we have chosen for descrip-

tion here two which disclose different but compatible

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guages use a word which is cognate to Sonsorol (1) <u>tawy</u>. Similarly, a measure of the degree to which two or more languages or dialects are united in opposition to all others is the amount of vocabulary they share to the exclusion of other languages: Sonsorol (1) and Tobi (2) are similar to one another and different from (3-17) in that they exclusively share the item <u>fitegI</u> in the meaning of 'to work'. (Semasiologically speaking, the cognate word in the other languages means 'to fight'.) Conversely, languages (3-17) are united by the fact that they exclusively share the form <u>jengaang</u> in the meaning 'to work'. (It means 'to measure' in Sonsorol (1) and Tobi (2).)

For purposes of this count, two items are considered

to be alike if they have the same meaning and if any of their

constituent morphemes are adjudged to be cognate, and they

are considered to be different if any of their constituent

morphemes are adjudged not to be cognate. According to this

rule, mansyysy and maccang 'bird' are counted once as alike

because of the cognation of  $/\underline{man}-/$  and  $/\underline{mac}-/$  and once as different because of the non-cognation of  $/\underline{syysy}/$  and  $/\underline{cang}/.$  Synonyms were given full recognition: thus since both Pullap (11) and Namonuito (12) have both <u>piik</u> and <u>siilo</u> for 509 'pig', each language is included in two blocks, one which covers (5-12) <u>siilo</u> and one which covers (11-17) <u>piik</u>. However, the fact that (11) and (12) are the only languages that have both words does not in itself meet the definition of an exclusively-shared item, and so this does not count as

a link between these two languages alone.

Saipan (8) was not included in the calculations. Without some presumptions as to what the results might be, a straight sorting procedure would be called for. That is, we would first count the items unique to each language, then those shared by adjacent pairs of languages, then those shared by non-adjacent pairs, and after that the items shared by three contiguous languages, by three non-contiguous ones, and so on in ever-larger groups of languages. Table 7 gives the results of the first two steps in this procedure. A significant fact is immediately apparent from this table: there are three pairs of languages which show a very high

ratio (10:1 or higher) between the number of the pair's exclusively-shared items and the numbers of the items unique to the member languages of the pair. For example, for (9-10) this ratio is 16:1. The other pairs are (3-4) and (5-6). This result confirms what was known before--that Mogmog (4) is strongly linked to Falalap, Ulithi (3), and that Ifaluk (6)

#### TABLE 8

# UNIQUE ITEMS AND THOSE EXCLUSIVELY SHARED BY TWO ADJACENT LANGUAGES

Language	Unique Items	Adjacent Pairs
Sonsorol (1)		
Tobi (2)	68	67
Ulithi (3)	2	0
Mogmog (4)		83
Woleai (5)		0

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• • • • • • • • • • • 44
•••••••
••••••••
Pulawat (9)..... 1
             •••••••• 16
Pulusuk (10)..... 1
             •••••••
••••••
Namonuito (12)..... 11
             Murilo (13)..... 19
             •••••• 2
Satawan (15)..... 13
             ••••••••
Fanapanges (16).... 8
             5
Moen (17).....
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is likewise strongly linked to Woleai (5). It also shows that a comparable relationship exists between Pulawat (9) and Pulusuk (10) and suggests the advisability of henceforth considering these three pairs to be one language each, rather than two. Accordingly, for purposes of further lexical analysis, we shall drop independent consideration of the data from languages (4), (6), and (9).

Proceeding to the counting of items shared by nonadjacent pairs of languages, we make another discovery: of the seventy-eight such pairs (i.e., 1/3, 1/5, etc.) only two have a significant number of shared items. This result adds another bit of supporting evidence to the chain hypothesis. The two pairs are (13/16) and (13/17), which have eight and seven exclusively-shared items respectively. This

fact suggests a minor reordering of the languages in the Truk District, so that for purposes of the remainder of the counting process, we adopt the following order of languages:

1 2 3 5 7 10 11 12 13 16 17 14 15

From this point on, single discontinuities were disregarded. The results of the completed count are given in Figure 18. Some conclusions, not all of which are evident in Figure 18, may be made on the basis of this count.

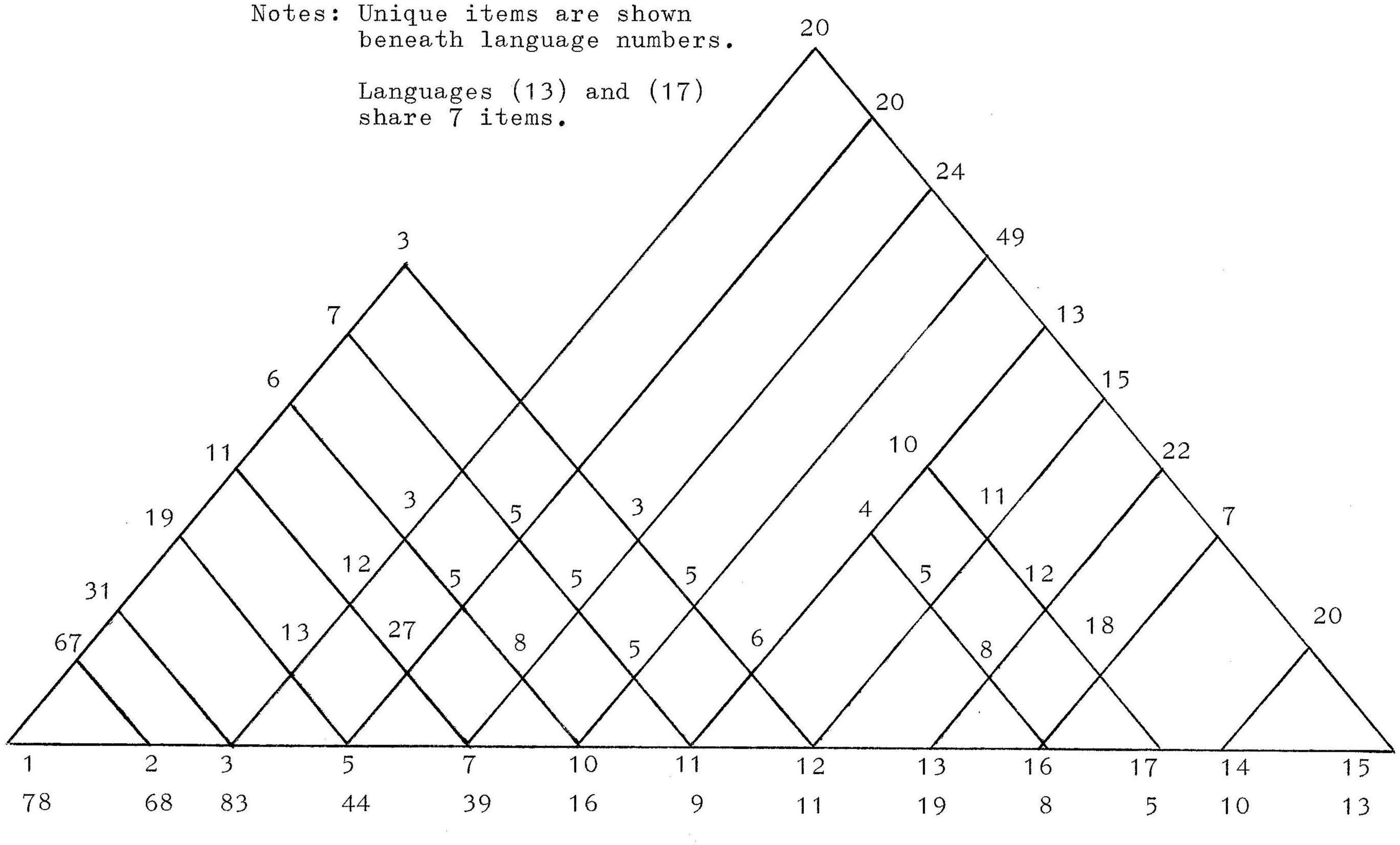
1) Virtually all of the significant blocks of

exclusively-shared vocabulary are contiguous.

2) There are two important exceptions to the immediately preceding statement: a) there are about twenty words

(e.g. 49 'abdomen') which show a link between the Mortlocks (14-15) and certain languages to the west, particularly those in the Woleai area, and b) there is a group of twenty-one words which are cognate from Sonsorol (1) through Moen (17) excepting for one or more languages in the Yap District (3-7). A clear example is 228 'box': what is apparently the Figure 18.--Unique and exclusively shared items.

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native word (Sonsorol (1) <u>bwaal0</u>, etc.) has been replaced in the three Yap District languages by a loan word <u>kagol</u> (ultimately from Spanish, probably by way of Yapese). This word, and others that fit the same pattern, are evidence that Satawal (7) is being drawn out of the orbit of Trukese, to which it clearly belongs. Yap, as an important commercial center (in fact the only one) for the islands in the Yap District, can be seen operating as a kind of focal area, even though its language is not part of the Trukic chain. There are a

few cases like 242 'woman', 296 'salt', and 491 'moray eel', where such bands through the middle of a homogeneous area overlap the Yap and Truk Districts.

3) Greater by far than any single group of exclusively shared items is the number of items which are cognate in all the languages. Perfectly cognate items number 159; including the partially cognate (like <u>mansyysy</u> and <u>maccang</u>) and those with single discontinuities raises the total to 228; when all discontinuities are disregarded, a total of 272 vocabulary items occur throughout the chain.

4) The figure of forty-nine exclusively-shared items for languages (9-17) is probably inflated by relatively

recent diffusion outward from Truk, and to this extent the eastern concentration may be considered a focal area. 3.132 <u>Shared retentions</u>. The percentages of shared retentions were calculated for 175 of the words on the 200 word Swadesh list (Swadesh 1952). The percentages are given in Table 9. The judgments of cognation were made according

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T	2 obi	2 <del>7</del> .743	5 Woleai	47.				14 Nama	15 Stwn.	13 Murilo	16 Fan.	17 Moen
Sons.	87	78	69	66	64	63	62	60	61	60	58	58
Tobi .		78	69	65	63	63	62	61	61	60	57	58
Ulithi	• • •		. 82	75	70	67	64	62	63	61	59	59
Woleai	• • •			. 86	77	72	68	67	67	64	62	62
Satawa	1				. 88	81	73	71	69	68	67	67
Pulusu	k					. 92	83	80	80	78	75	75
Pullap							• 91	85	85	85	80	80
Namonu	ito							. 87	87	90	85	85
Nama .									. 94	90	84	87
Satawa	n									. 88	84	83
Murilo	• • •		• • • • • • •						• • • • • • •	• • • • • • • •	91	93
Fanapa	nges											. 97

TABLE 9

# PERCENTAGES OF SHARED RETENTIONS OF BASIC VOCABULARY

to the procedures described in Gudschinsky (1956).

The conclusions to be drawn from these figures are self-evident. Islands which are close together geographically tend to to have higher percentages than those which are at a greater distance, and all the languages are connected by a chain of percentages which are in excess of 80 with the exception of the link between Tobi (2) and Ulithi (3), which is 78%.

3.2 Grammar. The grammatical phase of this survey

is much more restricted in aim than the other phases. An informal comparison of a few sentences from each of the languages was sufficient to establish that the principal features of syntax and morphology are uniform. As in the case of phonology, Dyen's description of Trukese grammar could apply in general outline to all the languages. The parts of speech and their subclasses, the overall structure of sentences, the main features of the verb phrase, the highly structured system of demonstratives, the obligatory counting classifiers--all of these were found to differ in detail only. This section is restricted to a brief listing of several representative examples of these differences.

3.21 <u>Demonstratives and locatives</u>. In its fullest

form, the demonstrative system of the Trukic languages distinguishes six degrees of physical or abstract proximity to the speaker and listener. Demonstratives are both predicative and attributive; the latter are both proclitic (preceding the modified noun) and enclitic (following the noun). Paral-

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lel to the demonstratives is a system of locatives. The full set of six degrees of proximity can be illustrated by those of Satawan (15). The glosses merely suggest the range of meaning.

- I. jikeej 'here, closest to the speaker, most closely associated with the speaker'
- II. jikaan 'here, close to the speaker'
- III. jikana 'there, closest to the listener'
- IV. jikomwun 'there, close to the listener'
  V. jikewe 'there, out of sight, invisible, past'
  VI. jikanaan 'there, remote from speaker and listener'

The demonstratives are illustrated by the following, also from Satawan (15):

proclitic: /<u>jee\_coopwet</u>/ 'this woman' enclitic: /<u>coopwet\_eej</u>/ 'this woman' predicative: /<u>jijee\_coopwet</u>/ 'This is a woman'

The following kinds of differences occur in the demonstrative paradigms.

a) There are differences in form; most of these are merely regular phonological differences, but some are not:
Woleai (5) <u>gesh kaal</u>, Ulithi (3) <u>gec ka</u> 'these rats' (where <u>kaal</u> and <u>ka</u> are the demonstratives).
b) Some languages distinguish only four or five of

the six degrees of proximity.

c) Only languages (12-17) have proclitic demonstratives.

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d) Some languages distinguish more degrees of proximity in the locatives than in the demonstratives. Differences (b) through (d) are summarized in Table 10.

## TABLE 10

DEMONSTRATIVES AND LOCATIVES

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L	anguage	Proclitics	Degrees of disting	
			Demonstrativ	es Locatives
	(1)	no	4 <sup>a</sup>	4 <sup>a</sup>
	(2)	no	4 <sup>b</sup>	$4^{\mathrm{b}}$
	(3-4)	no	4 <sup>a</sup>	4 <sup>a</sup>
	(5-7)	no	5 <sup>°</sup>	6
	(8-11)	no	6	6
	(12)	yes	6	6
	(13)	yes	5 <sup>d</sup>	5 <sup>d</sup>
	(14-16)	yes	6	6
	(17)	yes	5 <sup>d</sup>	$5^{d}$

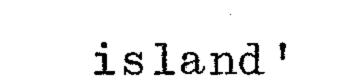
<sup>a</sup>II, III, V, VI. <sup>b</sup>I, III, V, VI. <sup>c</sup>II-VI. d<sub>I-III</sub>, v, vI.

3.22 Local stems. The local stems, or adverbial suffixes, typically form compounds with verbs and express direction. The system at its fullest numbers seven forms, illustrated from Satawan (15). The citations are not morphophonemic, but are in the form assumed before pause.

- I. -la 'away from speaker, completely, absolutely'
- II. -to 'toward speaker, in this direction'
- III. -ta 'up, towards the east'
- IV. -tew 'down, towards the west'
  - V. -long 'in, into, towards the beach (lagoon) side

of an atoll island'

VI. -wewu 'out, towards the ocean side of an atoll



VII. -wewy 'toward the listener (from any direction)'

Differences in distribution probably exist, but it is apparent from some of the examples collected that there are at least some verbs that can take these suffixes in every language (e.g., 231 'to fall'). A few languages do not distinguish VII from VI. Most of the formal differences are regular phonological correspondences. In some (or perhaps all) of the languages, the vowels in some of the local stems are variable according to vowel harmony rules that have not been worked out. Table 11 shows the forms for each language

as they appear suffixed to the verb meaning !to crawl'; since

the various languages have different verbs in this meaning,

the phonological contexts in which these forms were recorded

were not uniform, a fact which may account for a few of the vowel differences.

LOCAL STEMS								
Language	I	ΙI	III	IV	V	VI	VII	
(1)	rag0	tog	tegE	tiw0	rang0	wowu	wowu	
(2)	rog	tog	tåg	$tig0^{a}$	ring	wowy	wowy	
(3)	log	thog	thag	thi	long	weji	weji	
(4)	log	thog	thag	thi	long	waji	waji	
(5)	log	tog	tag	tiw	long	waji	wėji	

TABLE 11

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(6)	log	tog	tag	tiw	long	wewy	wewy
(7)	lo <sup>b</sup>	tó	tic	tiw	long	wowu	wowu
(8)	1 <b>o</b>	to	tå	tiw	long	wowu	wowu
(9–10)	1 <b>o</b>	to	tå	tiw	long	wowu	wowu
(11)	1 <b>i</b>	to	ti	tiw	long	wowu	wowu
(12)	lċ	to	ta	tyw	long	wowu	wowu
(13)	li	te	tis	tyw	long	wuu	wowu
(14)	1 <b>i</b>	to	tå	tyw	long	wewy	wewy
(15)	la	to	tå	tėw	long	wewu	wewy
(16–17)	no	to	ta	tiw	nong	wuu	wowu

3.23 Personal morphemes. The personal morphemes,

which occur as the possessive suffixes and in the independent pronouns, are highly uniform. Aside from regular phonological correspondences, the only difference is in the first person plural exclusive. Table 12 lists the forms; consonants are underlying forms from Table 7.

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#### TABLE 12

# PERSONAL MORPHEMES

Language	Singular						
	1	2	3	1		2	3
				Inc.	Exc.		
(1-6)	_J	-MW	-N	C	-MaM	-Mi	<b>-</b> R
(7-10)	-J	MW	-N	-C	-MaM	-Mi	-R
(11-17)	<b>_</b> J	-MW	N	-C	<b>–</b> M	-Mi	–R

3.24 <u>Summary</u>. Although the grammatical data discussed is fragmentary, further research is unlikely to disclose isoglosses of greater fundamental importance than those described here. These grammatical isoglosses, like the phonological and lexical ones, exhibit the defining characteristics of a dialect chain--that is, they (a) tend to split the language area into two parts, everything west of the line being alike and everything east of the line being alike, and (b) they tend <u>not</u> to coincide but instead are found to occur at scattered places.

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# 4. LANGUAGE DIFFERENCES AND COMMUNICATION

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4.0 <u>Preliminary considerations</u>. This chapter adds a few linguistic facts and some details about the relationships among the languages in the Trukic chain; it also attempts some conclusions about language boundaries through a synthesis of linguistic data and certain non-linguistic,

anecdotal, evidence. In this chapter, the terminology, the schematism, and the view of mutual intelligibility and of language versus dialect are for the most part derived from Hockett (1958:321ff.).

4.01 <u>Mutual intelligibility</u>. If a speaker of A, by virtue of his competence in A, and for no other reason (such as bilingualism), can carry on a conversation on ordinary matters with a speaker of B or can understand such a conversation between two speakers of B, with no more than slight difficulty, then A and B may be said to be mutually intelligible. If these same acts are possible only with extreme difficulty or not at all, then A and B are mutually unintel-

ligible. Most of the pairs of languages in the Trukic chain clearly fall within one of the ranges thus delimited, that is, at or near one of the two ends of the spectrum which ranges from absolute mutual intelligibility to absolute mutual unintelligibility. But some pairs of languages just as clearly fall into an intermediate range, thus necessitating

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the recognition of partial mutual intelligibility; we shall refer to these pairs simply as borderline cases. A more minute quantification is not practicable.

4.02 <u>Language versus dialect</u>. If two differing forms of speech are mutually intelligible, they are dialects of the same language; if not, they are dialects of different languages. This definition of a language as a set of mutually intelligible dialects has a corollary which is not necessarily unacceptable in the present context: because two forms

of speech may be mutually intelligible with a third but not with each other, it follows that one form of speech may be a dialect of more than one language.

4.03 <u>Multilingualism</u>. Our definition of mutual intelligibility excludes the factors of learning and multilingualism. The result is that the status of certain pairs of the languages as borderline cases is more hypothetical than real. For example, nearly every speaker of Ulithi (3) is receptively bilingual with Woleai (5) and vice-versa, and therefore to native speakers the two languages function as one. Nevertheless for certain practical purposes such as the preparation of educational materials (whether for the island

schools or for teaching the island languages to foreigners)

it must be taken into account that these two languages are

not really closely mutually intelligible.

Besides extensive semi-bilingualism, as in the Ulithi

and Woleai case, bilingualism of the usual sort is also

found. This is determined by local conditions, including

differences in the prestige of languages; the result is that some speech communities have many bilinguals and some have few. In the Truk District, for example, speakers of the western island languages (9-12) frequently visit Truk, sometimes for long periods; it is safe to say that those who do all manage to learn to understand Trukese, and most of them learn to speak it. But few Trukese have either the opportunity or the inclination to learn the western island languages and so there are not many Trukese who can be said to be

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either bilingual or semi-bilingual with, say, Pullap (11).

#### 4.04 The interpretation of anecdotal evidence.

A really definitive description of mutual intelligibility among the languages of the Trukic chain would have to be based upon a carefully designed and executed series of experiments. It would probably be necessary to use very young children as subjects. No such experiments were conducted and therefore the non-linguistic evidence is derived from observation of actual communication situations and upon direct statements of informants. Such evidence is not necessarily unreliable, provided it is used with appropriate caution.

It is much easier to establish that two forms of

speech are not mutually intelligible than that they are.

'There is no evidence that there are features of the Pullap language that make it harder for a Trukese to learn than Trukese is for a speaker of Pullap. While non-mutual intelligibility (as opposed to mutual unintelligibility) doubtless exists in the languages of the world and may have a linguistic base (see O'Neil 1967), it does not seem to figure in the Trukic chain. .

If we observe two people trying unsuccessfully to carry on a conversation or having to call upon an interpreter in order to communicate, we may reasonably conclude that they lack control of a common language, that whatever languages they do control must be mutually unintelligible. A man from Mars watching an American tourist try to make a Tokyo taxi-driver understand where he wants to go would probably come to the correct conclusion--that English and Japanese are so dissimilar that they fall into the class of mutually unintelligible

languages. Similarly, the fact that an interpreter may be needed when a government official who happens to be a speaker of Ulithi (3) wishes to hold a conference with the chief of Satawal (7) is evidence of the highest order that these two languages are sufficiently diverse that a speaker of one cannot understand the other unless he has learned to. But the mere fact that two people are able to carry on a dialogue does not establish that their languages are mutually intelligible in any useful sense of the term. The man from Mars watching what appears to be an effortless conversation between a Frenchman and a Russian at the United Nations might jump to the conclusion that French and Russian

are mutually intelligible, not realizing that each of the

speakers may be able to understand, but unable--or unwilling--

to speak, the other's language. In parts of the Caroline

Islands, communication on a regular basis takes place among

speakers of mutually unintelligible languages. At the high

school on Ulithi, for example, where speakers of several

languages and numerous dialects are in close daily contact, it appears that anyone can communicate with anyone else with no difficulty at all; in this case, the man from Mars might be forgiven for believing that Ulithi (3) and Satawal (7) are mutually intelligible, since a considerable number of men from Earth have come to the same mistaken conclusion. Thus we may formulate the principle that direct observation of speech behavior can give reliable negative evidence as to mutual intelligibility, but affirmative evidence thus derived

is apt to be misleading.

The same distinction must be observed in the interpretation of direct statements made by informants about relationships among the languages. If a speaker of Satawal (7) says that he cannot understand a conversation between two speakers of Trukese (16-17), he is making as assertion about his own linguistic competence which can safely be generalized to include all speakers of his language (excepting, obviously, any who may have learned to understand Trukese); we can conclude that Satawal (7) and Truk (16-17) are not mutually intelligible. But when the same speaker claims to be able to understand the speech of Ulithi (3) perfectly, we

cannot automatically conclude that all speakers of his language share the same ability, even if he evinces a sincere belief that the two languages are mutually intelligible; he is very likely to have lost sight of the fact that his ability to understand Ulithi is a skill which he acquired through much experience with the language. A speaker of

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Pullap (11) once told me that his language and Trukese (16-17) are mutually intelligible, but on another occasion he said that when he first went to Truk as an intermediate school student it took him over a year to learn to understand Trukese well and even longer to learn to speak it. It seems to be a common trait of Trukic speakers that, being fully aware of a deep-structural identity within the chain, they tend to underestimate the surface differences among the languages with which they happen to have had a lot of contact.<sup>2</sup>

4.1 The correlation of linguistic diversity and the

<u>ability to communicate</u>. As preceding chapters have shown, the linguistic data firmly support the chain hypothesis. This section examines systematically the non-linguistic evidence in relation to the linguistic and shows that it, too, confirms the existence of a chain of mutually intelligible dialects from Sonsorol (1) through and beyond Namonuito (12); from Murilo (13) on, the dialects are all mutually intelligible and can therefore be safely called Trukese, but their interrelationships are so close, and so complex, that the chain metaphor is no longer appropriate.

The reader who is not interested in the detailed

anecdotal evidence will find the conclusions of this section summarized in Figure 19.

Sonsorol (1) is spoken by the inhabitants of Sonsorol

<sup>2</sup>It was apparently uncritical acceptance of informants' opinions that led Smith (1951) to conclude that all the languages from Sonsorol (1) through Namonuito (12) are mutually intelligible, an assertion that is patently untrue. Island and by a small part of the population of Palau, those who trace their ancestry to Sonsorol, Pulo Anna, and Merir. The latter two groups speak dialects which are still distinct even though the migration of the native populations of these two islands, which began several generations ago, is now apparently complete and permanent. Merir is currently uninhabited, and the twelve residents of Pulo Anna are speakers of Tobi. From about 1885 until 1957, Sonsorolese made up most of the population of Mapia, an Indonesian island to the

southeast of Tobi (see Figure 1). The language spoken by the other inhabitants of the island during that period is not a Micronesian language; there are no speakers of Sonsorol (1) on Mapia now.<sup>3</sup> Sonsorol (1) is mutually intelligible with Tobi (2), which is spoken only by the natives of Tobi Island, many of

whom live on Palau. These two languages exclusively share

several important phonological features and many lexical

ones, so they obviously constitute a subgroup within the

chain. Yet there are three crucial phonological isoglosses between the two languages, and many lexical ones. The differences which these isoglosses represent are quite obvious

in the surface forms of sentences, so much so that the ease with which speakers of Sonsorol (1) and Tobi (2) understand each other seems attributable in part to semi-bilingualism; recent levelling must also be a factor.

<sup>3</sup>I am indebted to Donald M. Topping for clarifying these points.

There is almost no contact between speakers of Sonsorol and Tobi and speakers of Ulithi (3-4), Woleai (5-6), or any of the other languages further east, and at present there is little reason to predict that the linguistic gap between languages (2) and (3) will do other than continue to widen. In regard to the question as to whether it is Ulithi or Woleai which is more closely related to Sonsorol and Tobi, the linguistic evidence is a little inconsistent. Woleai shares slightly more phonological features than does Ulithi,

but Ulithi is clearly more closely related in respect to lexicon, both in exclusively shared items and in percentages of shared vocabulary. In any case, the non-linguistic evidence is clear: Ulithi is barely mutually intelligible with Tobi but probably not with Sonsorol, while Woleai is not mutually intelligible with either. When asked to characterize his ability to understand Sonsorol, one speaker of Ulithi who has worked for many years aboard the ship which makes the fieldtrips to Sonsorol replied that he could understand "about 60%" of a conversation between two speakers of that language. Another Ulithian, who had heard Tobi spoken only a few times, told me that aside from being able to recognize a few words.

he was essentially unable to understand any of a conversation between two speakers of Tobi. However, one incident illustrates that in case of necessity it is possible for a speaker of Tobi (2) and Ulithi (3) to communicate even though neither has had previous experience with the other's language. A Ulithian who happened to be on Guam was recently called upon to interpret for an old man from Tobi who was in the hospital and could not communicate at all in English. It proved to be difficult and tedious, but not impossible. It seems clear, both on linguistic grounds (the 78% shared retention between Tobi and Ulithi is the weakest link, in these terms) and on the basis of these other observations, that the link between Tobi and Ulithi is one of the most tenuous ones in the chain. It is redundant to point out that Sonsorol and Tobi are not mutually intelligible with Truk and the other languages at

the eastern end of the chain, but some notion of the degree of difference between the extremes in the chain can be inferred from the experience of the Sonsorol informant on Truk: he spent a year on Moen Island attending a parochial high school (in which classes are conducted in English), and although he made no effort to learn the Trukese language, he was inevitably exposed to it a great deal. Yet even at the end of the year Trukese remained as foreign-sounding to him as it was at the beginning, and he never did learn to understand it. He also told me that his ability to understand the speech of the Pulusuk (10) area was negligible. The principal dialects of Ulithi are Falalap. Mogmog.

(also spoken on Asor), and Fassarai, all in Ulithi Atoll, and the somewhat more distant dialect of Fais Island. Ulithi is also spoken by the one family living on Sorol Atoll and by most of the population of Ngulu Atoll. There are slight differences among the Ulithi dialects. For example, Falalap (the Ulithi informant speaks this dialect) has [ts] for <u>c</u> where the other dialects have  $[t\mathbf{j}]$ ; there are also numerous minor grammatical differences: cf. Falalap <u>bwoothej</u>, Mogmog <u>bwoothuj</u> 'my nose'.

Although there is much communication between speakers of Ulithi and Satawal (7), it is almost always dependent upon the bilingualism of the Satawalese partner to the conversation. Ulithian high school students say that they cannot understand two Satawal students when they are talking to each other, and as noted before, as interpreter may be needed to

assist a Ulithian field-trip officer on Satawal.

By contrast, the similarity between Ulithi and Woleai is close enough that conversation is possible, but it is dependent upon both parties being semi-bilingual. The differences, especially at the phonetic level, are so great that it is very difficult for a speaker of Ulithi to generate original sentences in Woleai, and vice-versa. A Woleai informant told me that he knew of only one Ulithian who could speak Woleai, a woman who had married a man from Lamotrek and had lived on that island for many years. But semi-bilingualism appears to be nearly universal among younger speakers of both languages. Although Ulithi and Woleai are now closely associated and can

be expected to level at an ever-increasing rate, they do not form a clear-cut subgroup as do Sonsorol (1) and Tobi (2). They have no exclusively shared phonological features and only thirteen lexical ones. Woleai is spoken in an undetermined number of slightly differing dialects and subdialects on Woleai, Elato, Ifaluk, Lamotrek, Faraulep, and Euripik. The differences are insufficient to cause even the slightest difficulty in communication yet they are great enough that a native speaker can spot another's home island almost immediately from his speech. The Woleai dialects are less distinct than those of Ulithi and of course the differences that separate Woleai from Ulithi on the one side and from Satawal on the other are much greater than any differences within the Woleai area itself. Even so, there is one remarkable example of a major isogloss

cutting through the Woleai area rather than to one side of it or the other: the S-j line, which runs between Lamotrek and Satawal (i.e., between languages (6) and (7)), irregularly runs to the west of Lamotrek in the perfectic (past tense) particle, so Lamotrek has <u>ja</u> where the other Woleai dialects have <u>sa</u>. Cf. Woleai <u>re sa lóg</u>, Lamotrek <u>re ja lóg</u> 'They have gone'.

Woleai (5-6) and Satawal (7) are another pair of adjacent languages which appear to function as one in spite of differences sufficient to make them virtually unintelligible to each other. Two islands in the Woleai speech area, Lamotrek and Elato, have long had close social and economic

ties with Satawal, and this relationship has undoubtedly fostered much levelling of vocabulary. This is reflected in the shared retention of lexical items, which at 86% is disproportionately high when considered in relation to the really fundamental phonological differences which separate the two languages. Despite the high percentage of shared vocabulary, it is clear that for a speaker of Woleai and and speaker of Satawal to communicate, each must have learned to understand the other's language, or else one of them must be bilingual. The same must of course be said of a speaker of Woleai and a speaker of the languages further east. I once heard a speaker of Pullap (11) and a speaker of Woleai (5), who were both competent speakers of English, trying to carry on a conversation. The Woleai speaker had had no previous experience with languages east of Satawal,

and what success they had at communicating was mainly to be attributed to the efforts of the Pullap speaker to alter his own speech by using pronunciations and vocabulary that he knew, or thought, to be Woleai forms. With obvious difficulty and painful slowness, they talked for perhaps four or five minutes before they gave up and switched back to English. The Carolinians have a term for this kind of speech--gasel mataw (to use the Woleai form) 'language-of the ocean'--although if it is a language, then it is one that truly has no fixed grammar, phonology, or lexicon. What gasel mataw means ultimately is that if a canoe goes adrift from the Truk District and washes up on, say Ulithi, the

survivors (if there are any) can somehow manage to communicate with the Ulithians. The term <u>gasel mataw</u> (or its equivalent) was not known to any of the informants outside the languages from (3) to (12). From Satawal (7) east to Namonuito (12)the chain continues, but with smaller links; or, to switch metaphors 106

temporarily, it is as if the languages from (1) through (12) were a ladder, with the rungs representing (7), (9-10), (11), and (12) set closer together so that the upper part of the ladder may be taken two rungs at a time. Satawal (7) is intelligible with Pulawat/Pulusuk (9-10), but borderline in its relationship with Pullap (11). Pulawat (9) and Pulusuk (10), which are virtually identical, are closely intelligible with (11) but much less so with Namonuito (12). (11) is

intelligible with (12), barely so with the Halls (13) and the Mortlocks (14-15), but unintelligible with lagoon Trukese (16-17). The languages from (12) to (17) are all mutually intelligible to varying degrees which are not easily ascertained. Clearly Namonuito (12) is more of a western island language, to be identified with Pullap (11) and the others in that area, than it is Trukese; on the other hand, it has a very high (91) percentage of shared vocabulary with Murilo (13) and it is tied in with the higher-numbered languages grammatically by having proclitic demonstratives (see 3.21). No other language except Satawal (7) so clearly straddles two language areas.

The facts of intelligibility as they have been

recounted here may be illustrated graphically as in Figure

19. In this diagram, one solid line connects languages

which are mutually intelligible, while a broken line or a

sequence of two solid lines connects the borderline pairs. Any other combination of lines joins pairs of languages

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which are mutually unintelligible.

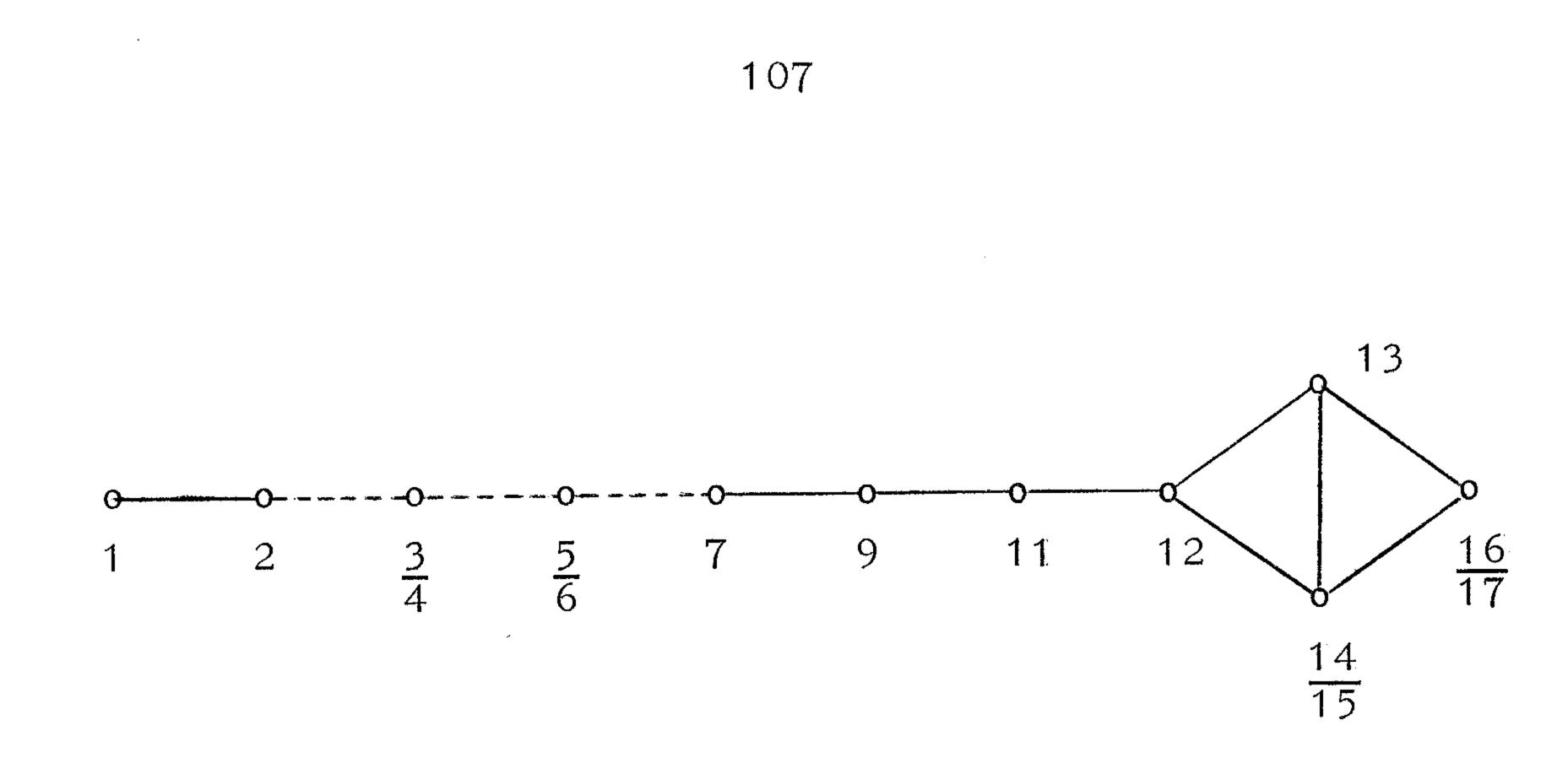


Figure 19.--The Trukic L-complex.

Figure 20 shows an alternative method of diagramming

the relationships among the languages; the boxes join pairs of languages that are mutually intelligible. While it is more vivid than the L-complex diagram of Figure 19, it contains less information since it does not distinguish between borderline pairs and those that are mutually intelligible.

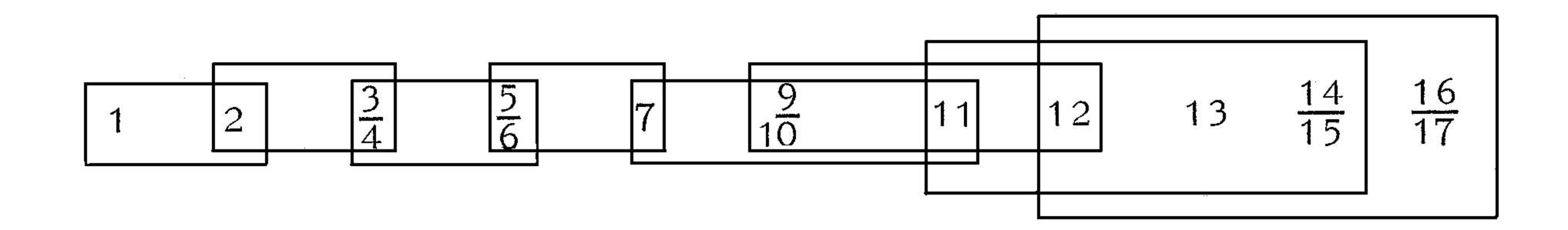


Figure 20.--The Trukic chain.

It is also possible to use the percentages of shared

retentions in Table 9 to construct a diagram similar to

Figure 20. The number and the locations of the dialect

boundaries thus arrived at are, of course, determined

entirely by the constant chosen as the criterion for the

grouping of dialects into languages. If we follow the

recommendation of Swadesh (1954:326) that dialects sharing 81% or more of their basic vocabulary be considered to belong to the same language, we can diagram the results as in Figure 21. It will be seen that Figure 21 is exactly the same as Figure 20 with one difference--Tobi (2) and Ulithi (3-4) are not joined, as their percentage of shared vocabulary at 78 falls below the constant of 81. In other words, judging strictly from lexical evidence, the chain is broken in this one place. Comparison of Figures 20

and 21 can be taken to indicate that evidence from the area of vocabulary, when properly handled, may yield results of high reliability.

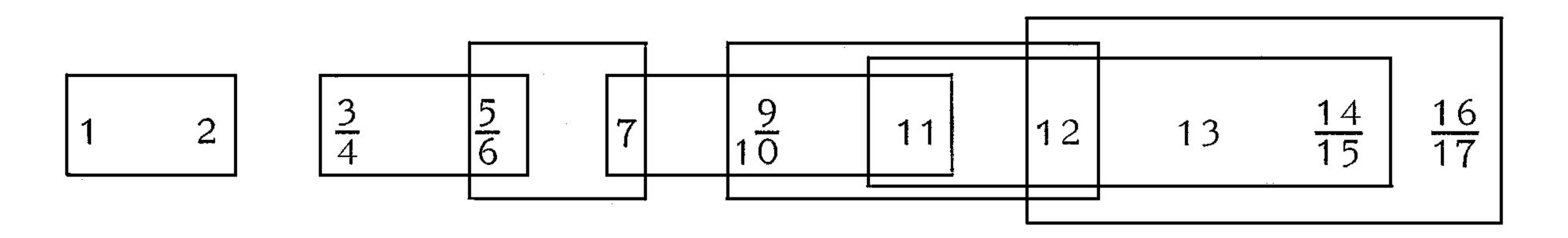


Figure 21.--Dialects linked by 81% rate of shared retention.

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## APPENDIX 1

Comparative word lists

Several abbreviatory devices are employed in these word lists. A missing language number indicates that the word indicated was simply not collected; (-) in place of a word indicates that the informant felt that no reasonably close equivalent exists; (,) separates alternate pronunciations. (/) separates synonyms of which the first is the preferred, while (//) separates synonyms which the informant judged to be both very similar in meaning and about equally common in his own speech; (") repeats the entire entry above it; (\*) indicates that the form which can be inferred in that position is, in the opinion of the informant, ungrammatical: e.g., 567-5 lajyl 'child-of', but no \*laaj 'child'.

(9) is to be read (9-10) excepting where there is a separate entry for (10).

Construct forms are indicated for many words. Where the construct form is not written out in full, it is to be added directly to the word excepting that voiceless vowels are dropped: 2-1 <u>gumwusU</u> -<u>uri</u> is to be read <u>gumwus gumwusuri</u>, and the vowel shortens in the construct form if the word is of the pattern CVVC: <u>gaap gapel</u> is written as <u>gaap -el</u>.

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1. body 2...hand (from wrist down) 1 bwoothU -uri 1 gumwusU -uri 2 bwoos -ur 2 gumwec -vr 3 galong -ol 3 gumwec -el 4 galong -ol 4 gumwoc -ėl 5 galong -ol 5 gumwush -ul 6 galong -ol 6 gumwush -yl 7 jalong -al 7 gumwyr -yl 8 jilig -il 8 gumwysh -yl 9 jinek -in 10 kymwyr -yn 9 kumwyr -yn 11 jinek -in 11 kymwyr -yn 12 jinek -in 12 kumwyr -yn 13 jinis -in 13 kumwyr -yn 14 \* jajinėkkyn/ jinis -in 14 kumwėsh -yn 15 jajoon -en/ jinis -in 15 kumwėc -yn 16 jinis -in 16 kumwuc --un 17 jinis -in 17 kumwuc -un 3...left (side) 4...right (side) 1 guruseegirI 1 gurumaala 2 goroceegir 2 goromaaga 3 gilceegel 3 gileemara 4 gilceegel 4 gilåamara 5 pegitakkof 5 pegikkof 6 pegitakkof 6 pegikkof 7 pejigroobwut 7 pejigmwaal 8 peegishoobwut 8 peegimwaal 9 påliroopwut 9 påliimwåån 11 peliiroopwut 11 peliijemwaan 12 pelijeroopwut/ kicco 12 pelijemwåån/ jiifir 13 pelijefeefin/ kycco 13 pelijemwään/ jiiser/ jiikac 14 pelijefeefin/ kycco 14 pelijemwaan/ jiifysh 15 pelijanngaw/ kycco 15 jiifyc 16 penijefeefin 16 penijemwaan/ jiijėėc 17 penijefeefin 17 penijemwaan

- 12 paaj pajvn
- 11 paaj pajyn
- 9 paajy pajyn
- 8 paj pajy
- 6 paawy pawul 7 paaj pajyl
- 5 paajy pajul
- pøø1 4 pøø
- 3 pøø pøø1
- 1 paawy pawyri 2 paawy pawyr
- 5. arm, wing

- 6...elbow

3 gapilipøø

4 gapilipøø

6 sugulypaawy

8 japilipaj

9 jåpilipil

11 japilipil

2 gapiripinnipewy

5 gapilipinnipaajy

7 jåpilipilinipaaj

- 1 gapiripinnipewy

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12	paaj	pajyn	12	jåpilipil
13	paawy	pawyn	13	japilipil
14	paaw	pewyn	14	jafilifil
15	paawy	pewyn	15	jafilifil
16	paaw	pewyn	16	jåpinipin
17	paaw	pėwyn	17	jepinipin

7...finger 8...(finger-, toe-) nail

1 gaatY gaatyri// gattY -yri 1 kky -ri 2 gaat gaatyr // gatt -yr 2 kky -r 3 gatth -el3 kky -1 4 gatth -ul 4 kku -1 5 gatt -yl 5 kky -1 6 gatt -yl 6 kky -1 7 jajyt -yn 7 kky -1 8 jajytt -yl 8 jykk -yl

9	jajyt	-yn			9
11	jawyt	-yn			11
12	jajyt	-yn			12
13	jawyt	-yn			13
14	jawut	-yn			14
15	jawut	-en			15
16	jewyt	-yn/	jåcef	-en	16
17	jewyt	-yn			17

- kky -n 10 \* kywyn
- $\star$ kkyn
- ✻ kkyn
- kkyn/ wykk wykkyn ⊬
- ⊁ kkyn
- kkyk kkėn
- wykk -yn
- wykk -yn

## 9. leg

- 1 guubwA -eri
- 2 guubw -er
- 3 peec peceel
- 4 pece peceel
- 5 peshe pesheel
- 6 peesh pesheel
- 7 pire pireel
- 8 pishe pishel
- 9 pere pereen 10 pere pereon 9 perépéranpere -en
- 11 pere peren 11 perperenpere -en
- 12 taang -en/ pere pereen

## 10...foot

- 1 pasapasarigubwA -eri
- 2 capacaparigubw -er
- 3 pacapacalepeec -peceel
- 4 pece peceel
- 5 pashapashalpeesh -pesheel
- 6 pashapashalpėshe -el
- 7 piripirilipire -el
- 8 pishe -1

12 taang -en/ pere	pereen	
13 taang -en/ pere	peren	
14 peshe pesheen		
15 pece peceen		
16 taang -en/ pece	pe <b>ce</b> en	
17 pece peceen/ taa	ng -en 17 japacapa	cenpece
11ankle-bone	12knee	13thigh
1 'foot'	1 simweripugujA -eri	1 sapirigubwA
2 'foot'	2 pogomoj -ir	2 capirigubw
3 micyngyl peec	3 cimwelpugyj -el	3 capilipeec
4 micungul pece	4 cimwelpuguj -el	4 capilipece
5 gurubw -ul	5 puguw -el	5 gėfo —ol
6 gurubw -ul	6 mangolipėshe -el	6 gofo —ol
7 gurubw -ul	7 puguw -al	7 jefo -on
8 gurubw -ul	8 puguw —ål	8 –

9 kurupw – un 9 pykyw –án 11 kurupw – un 11 pykyw -en 12 kipwilipwil -in 12 pyky -wen 13 kypwil -yn 13 pykyw -en 14 kurupw -- un 14 \* pykywen 15 kurupw -un 15 pékaw pykywen 16 kipwin -in 16 pyky -wen 17 kipwin -in 17 pyky -wen

9 jėė́fė –ė́n 11 jaafé - én 12 jaafé - én 13 -14 jaafė –ėn 15 -16 jaafé -én

.

17 jaafe – en

14...buttocks 15...bark (of a tree) 1 mattongA -eri/gaapI -iri 1 giirI gin 2 gaap -ir 2 giin gin 3 gaap -el 3 giil gil 4 gaap -el 4 giil gil 5 gaap -il 5 giil ginn 6 gaap -il 6 giil ginn 7 jååp –il 7 giil -in 8 jåp –il 8 gil -il 9 jååp –in 9 kiil -in 11 jååp —in 11 kiil -in

12 kiil -in

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12 jååp –in/ liwet –in

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13	likenmwööt -yn	13	siil	-in
14	luwet —in	14	kiil	-in
15	luu —n	15	kiil	kėlėn
16	jeep —in/ féwynmwööt —yn	16	siin	-in
17	jeep —in	17	siin	-in

16.	skin	17.	bl	bod	18	body hair
1	'bark'	1	ssa	saari	1	matalE -eri
2	ryyg -yr	2	cca	caar	2	mogog0 -ori
3	'bark'	3	cca	caal	3	jyyl -el
4	11	4	cca	caal	4	juul —al
5	11	5	cca	<b>c</b> aal	5	jyyl -el
6	<b>11</b>	6	cca	caal	6	wyyl -el
7	ET	7	cca	cảản	7	jylajyl —ål
8	E#1	8	cca	cål	8	jilajil —el
9	t <del>1</del>	9	cca	cảản	9	jyyn —ān
11	1.1 1	11	cca	cảản	11	jyyn -en
12	11	12	cca	caan, caan	12	wyyn -en
13	11	13	cca	caan	13	wyyn -en
14	₹₹	14	ssha	shaan	14	wyyn -en
15	<b>? ?</b>	15	cca	caan	15	wyyn -en
16	21	16	cca	caan	16	wyyn -en
17 t	vynycc -en	17	cca	caan	17	wyyn -en

19...to remove hair, feathers 20...hair (of the head)

- 1 wyrefi
  2 wyrefi
  5 wylefi
  6 wylefi
- 8 terajili
- 9 wynefi

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- 11 teraawyna
- 12 jynefi

- 1 siimwA -eri
- 2 jancimw -er
- 3 jållicėmw// jållicumw
- 4 jållicemw
- 5 jånnishymw —el
- 6 jannishymw -el
- 7 jylajylårymw –ån
- 8 jililishimw —al
- 9 ween (-an makyr)
- 11 meet (-en makyr)

\$

1

12 meetan makvr

12 jynefi	12 meetan	makyr
13 wynefi	13 meetan	måkyr
14 wynefi	14 meetan	mėkyr
15 wynefi	15 meetan	mekyr
16 wynefi	16 mėkyr	
17 wynefi	17 meeten	mekyr
21pubic hair	22feather	23beard
1 gool0 -ori	1 wyygY// wyyrA	1 leebwE -eri
2 goog -or	2 wyyr	2 reebwE -er
3 goor -ol	3 'body hair'	3 reebw -el
4 goor -ol	4 bwool -ul	4 reebw -el
5 goor -ol	5 'body hair'	5 reebw -el
6 goor -ol	6 "	6 reebw -el
7 kkor -ol	7 "	7 jälys –äl
8 gor -ol	8 11	8 jälys –ål
9 kkor – an	9 "	9 jalyh —án
11 kkor -en	11 "	11 jålyh -en
12 kkor -en	12 "	12 jalyhy jalyhen
13 kkor -en	13 "	13 jalys —en
14 kkor -en	14 "	14 jalys —en
15 kkor koren	15 "	15 jalys, jelis —en
16 kkor -en	16 "	16 j <b>ė</b> nys -en
17 kkor -en	17 "	17 jenis -en

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24.	sideburns	25wattles	26comb (chicken)
1	jarythA -eri	1 leebwE -eri	1 siimwA -eri
2	jarys -er	2 –	2 -
3	jales —el	3 reebw -el	3 jaal -al
4	jālus —ol	4 reebw -el	4 jaal -al
5	jålys —el	5 reebw -el	5 wool -el
6	jālys —el	6 reebw -el	6 –
7		7 reebw -el	7 reebw -el
8	jālys —āl	8 wool -al	8 wool -ål
9	pewynarong -on	9 wool — an	9 reepw —ån
11	'beard'	11 wool —án	11 wool -en
12	11	12 reepw -en	12 wool -en
13	Ħ.	13 raapw -en	13 wool -en
14	11	14 raapw -en	14 tool -en
15	11	15 reepw -en	15 tool -en
16	11	16 raapw -en	16 woon -en
17	pewynarongun	17 woon -en	17 woon -en
27.	top-knot	28vein	29head
	top-knot gapejA -ari	28vein 1 waagA -ari	29head 1 fathygY -yri
1			
1 2	gapejA —ari	1 waagA -ari	1 fathygY -yri
1 2 3	gapejA —ari gapejA —ari	1 waagA -ari 2 waag -ar	1 fathygY -yri 2 ciimw -er
1 2 3 4	gapejA -ari gapejA -ari gapej -al	1 waagA -ari 2 waag -ar 3 waag -al	1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal
1 2 3 4 5	gapejA -ari gapejA -ari gapej -al gapej -al	1 waagA -ari 2 waag -ar 3 waag -al 4 waag -al	1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal
1 2 3 4 5 6	gapejA -ari gapejA -ari gapej -al gapej -al gapej -al	1 waagA -ari 2 waag -ar 3 waag -al 4 waag -al 5 waag -al	1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal 5 shiimw shymwel
1 2 3 4 5 6 7	gapejA -ari gapejA -ari gapej -al gapej -al gapej -al cėėt cėėtyl	1 waagA -ari 2 waag -ar 3 waag -al 4 waag -al 5 waag -al 6 waag -al	<pre>1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal 5 shiimw shymwel 6 shiimw shymwel</pre>
1 2 3 4 5 6 7 8	gapejA -ari gapejA -ari gapej -al gapej -al gapej -al cėėt cėėtyl fajigapej -ån	1 waagA -ari 2 waag -ar 3 waag -al 4 waag -al 5 waag -al 6 waag -al 7 waa waal	1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal 5 shiimw shymwel 6 shiimw shymwel 7 pėėpė -ėn
1 2 3 4 5 6 7 8 9	gapejA -ari gapejA -ari gapej -al gapej -al gapej -al cėėt cėėtyl fajigapej -an - rėėt rėėtan	1 waagA -ari 2 waag -ar 3 waag -al 4 waag -al 5 waag -al 6 waag -al 7 waa waai 8 wa wai 9 waa waan	<pre>1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal 5 shiimw shymwel 6 shiimw shymwel 7 pėėpė -ėn 8 shiimw -el</pre>
1 2 3 4 5 6 7 8 9 11	gapejA -ari gapejA -ari gapej -al gapej -al gapej -al cėėt cėėtyl fajigapej -ån - rėėt rėėtan rėėt rėėtan	<ol> <li>waagA -ari</li> <li>waag -ar</li> <li>waag -al</li> <li>waag -al</li> <li>waag -al</li> <li>waag -al</li> <li>waag -al</li> <li>waag -al</li> <li>waa waal</li> <li>waa waal</li> <li>waa waan</li> <li>waa waan</li> </ol>	<pre>1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal 5 shiimw shymwel 6 shiimw shymwel 7 pėėpė -ėn 8 shiimw -el 9 makyr -en</pre>
1 2 3 4 5 6 7 8 9 11 12	gapejA -ari gapejA -ar gapej -al gapej -al gapej -al cėėt cėėtyl fajigapej -ån - rėėt rėėtan rėėt rėėtan	<ol> <li>waagA -ari</li> <li>waag -ar</li> <li>waag -al</li> <li>waag al</li> <li>waa waal</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> </ol>	<pre>1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal 5 shiimw shymwel 6 shiimw shymwel 7 pėėpė -ėn 8 shiimw -el 9 makyr -en 11 makyr -en</pre>
1 2 3 4 5 6 7 8 9 11 12 12	gapejA -ari gapejA -ari gapej -al gapej -al gapej -al cėėt cėėtyl fajigapej -an - rėėt rėėtan rėėt rėėtan rėėt rėėtyn rėėt rėėtyn	<ol> <li>waagA -ari</li> <li>waag -ar</li> <li>waag -al</li> <li>waa waal</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> </ol>	<pre>1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal 5 shiimw shymwel 6 shiimw shymwel 7 pėėpė -ėn 8 shiimw -el 9 makyr -en 11 makyr -en 12 makyr -en</pre>
1 2 3 4 5 6 7 8 9 11 12 13 14	<pre>gapejA -ari gapejA -ari gapej -al gapej -al gapej -al céét céétyl fajigapej -án - réét réétán réét réétán réét réétan, -yn réét réétan</pre>	<ol> <li>waagA -ari</li> <li>waag -ar</li> <li>waag -al</li> <li>waa waal</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> </ol>	<pre>1 fathygY -yri 2 ciimw -er 3 ciimw cėmwal 4 ciimw cėmwal 5 shiimw shymwel 6 shiimw shymwel 7 pėėpė -ėn 8 shiimw -el 9 makyr -en 11 makyr -en 12 makyr -en 13 makyr -en</pre>
1 2 3 4 5 6 7 8 9 11 12 13 14 15	gapejA -ari gapejA -ari gapej -al gapej -al gapej -al cėėt cėėtyl fajigapej -an - rėėt rėėtan rėėt rėėten rėėt rėėten rėėt rėėten rėėt rėėtan, -yn rėėt rėėten rėėt rėėten	<ol> <li>waagA -ari</li> <li>waag -ar</li> <li>waag -al</li> <li>waa waal</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> <li>waa waan</li> </ol>	<pre>1 fathygY -yri 2 ciimw -er 3 ciimw cemwal 4 ciimw cemwal 5 shiimw shymwel 6 shiimw shymwel 7 peepe -en 8 shiimw -el 9 makyr -en 11 makyr -en 12 makyr -en 13 makyr -en 14 mekyr -en</pre>

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31...nose

32.	 mouth

1	wyyjA -eri	1	bwawytY -yri	1	jaawA —ari
2	wyyg -er	2	bwawutU -uri	2	jaaw —ar
3	jyyj -el	3	bwööth bwööthel	3	jaaw jawel
4	juuj —el	4	bwooth bwoothel	4	jaaw jewel
5	jyyw -el	5	bweet bweetil	5	jaaw jewal
6	wyyw -el	6	bwoot bwootil	6	jaaw jewal
7	jyyw -al	7	bwööt bwöötul	7	jaaw jew <b>i</b> l
8	* jiwål	8	bwoot bwootyl	8	jaaw jawal
9	jyyw —ån	9	pwoot pwootun	9	jaaw jew <b>a</b> n
11	wyyw -en	11	pwoot pwootun	11	jaaw jewen
12	wyyw -en	12	pwoot pwootun	12	jaaw jawen
13	wyyw -en	13	pwėėt pwėėtyn	13	jaaw jawen
14	wyyw -en	14	pwoot pwootyn	14	jaaw jawen
15	jyyw -en	15	pwoot pwootyn/	15	jaaw jawen
16	jyyw -en		pwaat pwaatyn	16	jaaw jawen
17	jyyw -en		pweet pweetyn	17	jaaw jawen
		17	pweet pweetyn		
33	tooth		34ton	gue	
1	ngii -ri		-		A jararigeni/
2	ngii -r		reewE	-er:	i
3	ngii -l		2 reew	-er	
4	ngii -l		3 leew	-el	
5	ngii —l		4 leew	-el	
6	ngii -l		5 leew		
7	ngii -l		6 leew		
8	ngii —l		7 řeeli		
_	• •		$8 \times shv$	vovle	a. 1

<i></i>		210			ه ک کر		7 UII
1	wyyjA -eri	1	bwawytY	-yri	1	jaawA	A –
2	wyyg -er	2	bwawutU	J-uri	2	jaaw	-a
3	jyyj -el	3	bwooth	bwööthėl	3	jaaw	jå
4	juuj —el	4	bwooth	bwoothel	4	jaaw	je
5	jyyw -el	5	bweet	bweetil	5	jaaw	je
6	wyyw -el	6	bwoot	bwootil	6	jaaw	je
7	jyyw —al	7	bwoot	bwootul	7	jaaw	je
8	* jiwål	8	bwoot	bwootyl	8	jaaw	ja
9	jyyw —an	9	pwoot p	wootun		jaaw	
11	wyyw -en	11	pwoot p	wootun	11	jaaw	je
12	wyyw -en	12	pwoot p	wootun	12	jaaw	ja
	wyyw -en	13	pwėėt p	weetyn	13	jaaw	ja
14	wyyw -en		pwoot p		14	jaaw	ja
15	jyyw -en	15	pwoot p	wootyn/	15	jaaw	ja
16	jyyw -en		pwaat p	owaatyn	16	jaaw	ja
17	jyyw -en		pweet p	Ū		jaaw	
		17	pweet p	weetyn			
33	tooth			34tong	gue		
1	ngii -ri			1 jarari		-	ari
2	ngii -r			reewE		_	
3	ngii -l			2 reew -			
4	ngii -l			3 leew -			
5	ngii —l			4 leew -			
6	ngii -l			5 leew -			
7	ngii -l			6 leew -			
8	ngii -l			7 řeeliw			
_				$8 \times shvv$	៸៰៴៸៰៓		

9 ngii -n 11 ngii -n 12 ngii -n 13 ngii -n 14 ngii -n 15 ngii -n 16 ngii -n 17 ngii -n/ nii -n

30...neck

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- $8 \times shyygylal$
- 9 řeenikan an 10 leew en

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- 11 leew -en
- 12 méngynaaw méngynawen
- 13 ceenakan -en
- 14 \* sheelewen
- 15 cėėnmongoj -en
- 16 ceennaaw ceennawen
- 17 cennaaw cennaawen

## 35...lip

- tyrijaawA tyrijawari
   tirijaaw tirijawar
   thylijaaw thylijawel
   tthulijaaw tthulijewel
   ttylijaaw ttylijewal
   tylyw tylijewal
   tyyl tylewan
   -
- 9 ttynaaw -an
- 11 tynaaw tynawen
- 12 tynaaw tynawen

36...throat

- 1 sygyrigarA sygyrigeni
- 2 wagang -ar
- 3 jarongolgal
- 5 joolikkė –ėl
- 6 -
- 7 woröng -al
- 8 worong -al
- 9 jööni fawyror
- 11 rijor -en
- 12 rijor -en
- 13 tynaaw tynawen// tynnaaw tynnawen
- 14 tynaaw tynawen
- 15 tynnaaw tynnawen
- 16 tynaaw tynawen

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- 17 tynnaaw tynnawen
- 13 rijor -en
  14 shijor -en
  15 cijor -en
  16 cijor -en
  17 cijor -en

37...forehead 38...ear 39...eye 1 maang0 -ori 1 taringA -eri 1 maatA matari 2 moong mengor 2 taring -er 2 maat matar 3 maang -ol 3 talang -al 3 maat matal 4 taleng tålengel 4 maang -ol 4 maat metal 5 tåling -el 5 maang0 -ol 5 maat metal 6 tåling -el 6 maang0 -ol 6 maat metal 7 moong -ol 7 såling –ål 7 maas mesil 8 mong -ol 8 seling -ål 8 maas mesil · · · · · ~ 1 \* - - \*

9	raamw remwan	9	håling –ån	9	maah	mehan
11	raamw -en	11	heling -en	11	maah	mehen
12	raamw -en	12	heling -en	12	maha	mehen
13	raamw -en	13	seling, silyng -en	13	maas	mesen
14	shaamw -en	14	selyng -en	14	maas	mesen
15	caamw -en	15	saling, selyng -en	15	maas	mesen
16	caamw -en	16	sening -en	16	maas	mesen
17	caamw -en	17	sening -en	17	maas	mesen

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40.	•••eyebrow	41eyelashes	42face
1	faatY -yri	1 matal (eri mat)	1 waaw0 -ori
2	faat -yr	2 pagyng (ari mat)	2 woo -r
3	fååth -ėl	3 mether (il maat)	3 wöölmat
4	fååth -el	4 mether (il maat)	4 woolmat
5	faat fåtyl	5 måter (ili maat)	5 welimat
6	faat fåtyl	6 måter (ili maat)	6 welimat
7	faat -yn	7 måtitter (ili maas	) 7 woolmaas
8	faat -yl	8 jappal (yl maas)	8 maas
9	faat -yn	9 metetår (in maah)	9 woonmaah
11	faat -yn	10 myytytår (in maah)	11 woonmaah
12	faat -yn	11 metättär (in maah)	12 woonmaha
13	faat -yn	12 måtåttår (in maha)	13 woonmaas
14	* fetyn	13 måtåtår (in maas)	14 woonmaas
15	faat -yn	14 måtår (in maas)	15 woonymas
16	feet -yn	15 måtår (in maas)	16 w <b>o</b> onmaas
17	fėėt -yn	16–17 måtår (in maas)	17 woonmaas
43.	cheek	44chin 4	5back
1	taapA -ari	1 jaatE -eri	1 talygY -yri
2	taap -ar	2 jeet -er	2 tagygY -yr
3	taap -al	3 jaath -el	3 tagyr -ėl
4	taap tepal	4 jaath jathel	4 tagur -el
5	taap tepil	5 jaat -el	5 tagyr -yl
6	taap tipal	6 jaat -el	6 tagyr -yl
7	saap sepån		7 sagyr -yl
8	jawysap jawysep <b>i</b> ]	L 8 jäät -el	8 sagyr -yl
٥	iewyhen iewyhendr	0 $i$ $i$ $i$ $i$ $i$ $i$	

9	jawyhap jawyhepin	9	jååt	-en	9	hakyr	-yn
11	jahop -en	11	jååt	-en	11	hakyr	-yn
12	jawyhap -en	12	jååt	-en	12	hakyr	-yn
13	jawysap -en	13	jååt	-en	13	sakyr	-yn
14	saap -en	14	jäät	-yn	14	sekyr	-yn
15	saap -en	15	jååt	-yn	15	sekyr	-yn
16	saap -en	16	jėėt	jetin	16	sekyr	-yn
17	saap -en	17	jeet	-in	17	sekyr	-yn

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46...shoulder 1 jafalA -ari 2 jafag -ar 3 jafar -al 4 jafar -al 5 jefar -al 6 jefar -al 7 jefar -ål 8 \* jajifarål 9 jefar -ån 11 jåfår – ån 12 jajuwefar -en 47...chest 48...rib 1 sirijėėwY -yri mataringeryngerY mataringeryngeni 2 cirijėėw -yr 2 wuubwA -er 3 cilfalragarag -al 3 wuubw -el 4 cilfalragarag -al 4 wuubw -el 5 ragarag -al 5 wuubw -el 6 ragarag -al 6 wuubw -el 7 raara raraal 7 mwaramwar -en 8 raara -al 8 -9 ryyniraara – an 9 jajyng — al 10 ryyraara -an 11 ryynfajiraara -an

13	jafar -en					12	ryyraa	iri –in	
14	jawufar —en					13	ryyraa	ara -an	
15	jawufar —en					14	shyyn	Leeraara -ar	l
16	jafar —en					15	cyynle	eraara -an	
17	jafar —en	17 ne	wung -	-en		16-	17 cyy	vriari –in	
49.	belly, abdomer	n 50.	•.pubi	ic are	ea		51.	navel	
1	wuubwA -eri	1	gaperu	uubwA	-eri		1	bwuut0 -ori	
2	siij -er	2	ppyyng	<u>z</u>			2	wubwut -er	
3	siij -el	3	bwoos	-ol			3	mmwut -el	
4	siij -el	4	bwoos	-ol					
5	saag segal	5	bwuur	-u1//	paas	-0	1 5	bwoos -el	
6	saag segal	6	bwuur	-u1//	paas	-0	1 6	bwuush -el	
7	wuubw -an	7	bwaar	-å1			7	bwuug -ol	
8	* wubwal	8	taang	- <b>a</b> 1			8	bwuug -ol	
			-						

11 wuupw -en 12 wuupw -en 13 wuupw -en 14 saa -n 15 saa -n 16 wuupw -en 17 wuupw -en

9 wuupw - án

- 16 jepinuupw -en 17 jepinnuuk -en
- 15 japilisa an
- 14 japynuupw -en
- 13 jåpinuupw -en
- 12 japinuupw -en
- 11 japinuupw -en
- 9 jåpenuupw ån

17 pwuuw pwuwen

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- 16 pwuuw pwuwen
- 15 pwuuw pwuwen
- 14 pwuuw pwuwen
- 13 pwuuw pwuwen
- 12 pwuuk pwuken
- 9 pwuuk -on

11 pwuuw pwuken

52bal	d 53b	rain 54.	bone
1 tawun	gA 1 gab	wubwu -uri 1	sii -ri
2 bwyyr	2 gab	wubwu -ur 2	cii -r
3 tawun	g 3 fag	abwull 3	cii —l
	4 fag	abwull 4	cii —l
5 mwoor	5 fag	abwujobw 5	shyy -1
6 mwoor	6 gab	wujobw 6	shyy -1
7 mwoor	7 faa	bwijobw 7	ryy −1
8 guruf	ash	8	shyy -l
9 makyr	ypal 9 tup	wuw 9	<b>r</b> yy -n
11 makyr	ypal 11 tup	wuw 11	ryy -n.
12 makyr	ypål 12 tup	wuw 12	<b>i</b> yy −n
13 ramwe	kyl 13 tup	wuw 13	ryyw ryyn
14 mekyr	apal 14 tur	wutumw 14	shyyw shyyn
15 camwe	pal 15 tup	wuw 15	cyy -n
16 makyr	ypản 16 tup	wuw 16	cyy -n
17 camwe	kyn -en 17 tup	wu 17	cyy -n
55vis	cera 56stom	ach	57gall bladder
1 teej	teejiri 1 bwuugC	-ori	1 jaatI —iri
2 taar	taan 2 cygyry	mangaw	2 jaat -ir
3 lefar	a -1 3 cygyly	gal	3 jaath -ėl
4 lefar	a -1 4 cugulg	al	4 jääth –el
5 taa -	l 5 shygyl	igal shygyligann	5 jaat —il
		igal shygyligalal	
6 taa -	1 6 shygyl	rgar suygyrrgarar	L 6 jaat -il
6 taa - 7 taa ta	000		L 6 jaat -11 7 jååt -il
	ảản 7 rygyly	gal —al	
7 taa ta	ian 7 rygyly ial 8 wuubw	gal -il -il	7 jååt —il
7 taa ta 8 taa ta	åån 7 rygyly åål 8 wuubw n 9 rykynå	gal -il -il n -in	7 jååt —il 8 * jåtil
7 taa ta 8 taa ta 9 taa -:	åån 7 rygyly åål 8 wuubw n 9 rykynå åån 10 rykyny	gal -il -il n -in kan -in	7 jååt -il 8 * jåtil 9 jååt -in
7 taa ta 8 taa ta 9 taa -: 10 taa ta	åån 7 rygyly åål 8 wuubw n 9 rykynå åån 10 rykyny	gal -il -il n -in kan -in	7 jäät -il 8 * jätil 9 jäät -in 11 jäät -in 12 jeet -in
7 taa ta 8 taa ta 9 taa - 10 taa ta 11 taa ta 12 taa ta	åån 7 rygyly åål 8 wuubw n 9 rykynå åån 10 rykyny	gal -il -il n -in kan -in kan -en sa/ rykynykan -en	7 jäät -il 8 * jätil 9 jäät -in 11 jäät -in 12 jeet -in
7 taa ta 8 taa ta 9 taa - 10 taa ta 11 taa ta 12 taa ta	<ul> <li>åån</li> <li>7 rygyly</li> <li>åål</li> <li>8 wuubw</li> <li>9 rykynå</li> <li>åån</li> <li>10 rykyny</li> <li>åån</li> <li>11 rykyny</li> <li>åån</li> <li>12 pwooro</li> </ul>	gal -ål -ål n -ån kan -ån kan -en sa/ rykynykan -en kan	7 jäät -il 8 * jätil 9 jäät -in 11 jäät -in 12 jeet -in 13 maras -en
7 taa ta 8 taa ta 9 taa	<ul> <li>åån</li> <li>7 rygyly</li> <li>åål</li> <li>8 wuubw</li> <li>9 rykynå</li> <li>åån</li> <li>10 rykyny</li> <li>åån</li> <li>11 rykyny</li> <li>åån</li> <li>12 pwooro</li> <li>a taan</li> <li>13 rykyny</li> </ul>	gal -ål -ål n -ån kan -ån kan -en sa/ rykynykan -en kan ykan	7 jäät -il 8 $*$ jätil 9 jäät -in 11 jäät -in 12 jeet -in 13 maras -en 14 jeet -in

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58...liver

- 1 jaathE -eri
- 2 jees -er
- 3 jaas —ėl
- 4 jääs –el
- 5 jaas j**i**sel
- 6 jaas jåsel
- 7 jääs –en
- 8 \* jåsen
- 9 jååj –ån
- 11 jååjå (no construct) 12 jååjå -ån

59...lungs

- 1 falewa -ari
- 2 fagaw -ar
- 3 farawa farawel
- 4 farawa farawal
- 5 fariiwa -al
- 6 fariiwa -al
- 7 fåriwa fåriwåån
- 8 farewa farewaal
- 9 farwa farwaan
- 11 fårawa fårawåån
- 12 farawa farawaan (turtles)

- 13 jååjå -ån 14 jåån jåånen 15 jåån jåånen 16 jammyn -yn 17 jååjå -ån
- 60...heart
- 1 warugurU waruguni
- 2 warugur waruguni
- 3 bwull -al
- 4 bwull -al
- 5 bwunn -el
- 6 bwunn -el
- 7 bwull -on
- 8 bwull -ol
- 9 pwull -en

- jappil (humans, dogs, pigs)
- 13 jammil —en
- 14 jaan jaanen
- 15-16 farawa farawåan
- 17 jémmyn -yn
- 61...to breathe
- 1 ngathA
- 2 ngas
- 3 "
- 4 "
- 5 nngas
- 6 "
- 7 ngasangas
- 8 nganngas
- 9 ngahangah

- 10 pwill -en
- 11 fawyn ngahangah
- 12 fawyn ngahangaha
- 13 fewyn ngasangas
- 14 fewyn ngasangas
- 15 fewynyppwo
- 16 fewyn ngasangas
- 17 ngasangas

- 11 "
- 12 ngahaangaha
- 13 ngasangas
- 14 !!
- 15 "
- 16 "
- 17 "

62...(female) breast 63...milk

1 tyytY tyytyri

- 2 tyyt tyytyr
- 3 thyyth thyl
- 4 thuuth thel
- 5 ttyt ttyl
- 6 tyyt tyyl
- 7 tyyt tyyl
- 8 tyyt ttyl
- 9 tyyt tyyn
- 11 tyyt tyyn
- 12 tyyt ttyn

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sanityytY
 cantyyt
 calthyyth
 calthuuth
 shannytyyt
 shallityyt
 shallityyt
 shalilityyt
 ranityyt
 ranyntyyt

64...boil (n.)
1 luubwU -uri
2 guubw -ur
3 loos -ol
4 "
5 noos -ol
6 loos -ol
7 mmar mmeral
8 9 loo -n
11 "

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12 tyyt/ ranyntyyt 12 "

12 0990 00911	12 UyyU/ IanynUyyU 12
13 tyyt ttyn	13 ranynawupw 13 "
14 tyyt ttyn	14 tyyt/shenyntyyt 14 pwoo -n
15 tyyt tten	15 cényntyyt 15 pwo -on
16 tyyt ttyn	16 " 16 mmac -en
17 jowupw -un/ tyyt tyyten	17 cėnynowupw 17 mmac -en
65scar	66leprosy 67to smell it
1 bwaatY -yri	1 pagus -uri 1 tééngy
2 bwatybwaat -yr	2 leprosii 2 "
3 bwååth -ėl	3 gilpeekel 3 jathangy
4 "	4 " 4 jathangu
5 bwaat -yl	5 kalapaaj 5 ngyyri
6 "	6 kalepaaj 6 "
7 bwaat bwetan	7 kåålipaaj – 7 nguuri
8 bwaat bwatål	8 – 8 tyyngy
9 pwaat -yn ('yaws')	9 kajilpaajy 9 tengyyw
11 pwaat -yn	11 kajilepaaj 10 tengy
12 pwaat -en	12 kajilepaan 11–14 téngyw
13 pwaat -yn	13 "
14 pweet -in	14 "
15 pwaat -yn	15 " 15 těngěw// tangěw
16 pwet -yn	16 kajinepaan 16 tini
17 pwėėt -yn	17 " 17 tini/ fårini

68to hear	69to see it	70to laugh
1 long0	1 gapajyygY/	1 mmari
2 gong0	kakanne	2 mämäri
3 rong	2 mwej/ gakane	3 mėmmal
4 "	3-4 weri	4 mėmmal
5 "	5 "	5 ffås
6 "	6 "	6 "
7 "	7 wėri	7 kekkaj
8 11	8 wuri	8 gykkaj
9 "	9 weri	9 kkaj
11 "	11 "	11 kkej
12 "	12 "	12 takyr
13 "	13 wiri	13 "
14 "	14 weri	14 kkėj
15 1	15 werej	15 kkaj
16 "	16 kyna	16 takyr
17 "	17 "	17 takir
71to cry	72tear	73spittle
1 taangI -iri	1 sanitengI	1 gutufA
2 täätäng –ir	2 canimat	2 gutuf
3 taang -il	3 callemat	3 gytof
4 taang -il	4 "	4 gutof
5 taang -il	5 shannemåt	5 gattuf
6 taang -il	6 "	6 "
7 såång –il	7 rallimás	7 j <b>i</b> ttuf
8 **	8 shalylysing	8 jattuf
9 hảảng —in	9 ranynyhaang	9 j <b>i</b> ttuf
11 "	10 ranynmaah	10–12 jattuf
12 heeng -in	11 11	13 jattif//
13 seeng —in	12 ranynyhång	jattof
14 saang sengin	13 cenynmaas	14 jattyf
15 saang sengin	14-17 "	15 jättef
16 keciw -en		16 jattuf
17 "		17 jattof

74to vomit	75to belch	76to hiccup
1 mmwutA	1 gyrėlY	1 matelY
2 mmwut	2 gygėg	2 muteg
3 mwommwut	3 kyler	
4 "	4 kuler	
5 "	5 gurer	5 måter
6	6 "	6 "
7 mmwus	7 kyrėr	7 "
8 11	8 gyrėr	8 **
9 mmwyh	9 kyrer	9 <sup>11</sup>
11 mmwuh	11 maky	11 mater
12 mwuhu	12 "	12 **
13 mmwus	13 "	13 ssyk
14 "	14 kyrer	14 "
15 mmwos	15 "	15 "
16 "	16 mėky	16
17 mmwus	17 "	1.7
77blow on it	78to cough	79to drink
1 wuugu	1 tolotagE/	1 wyyrY
2 "	fagafagA	2 ryyr
	2 fagafag	3 jyyl
	3-4 "	4 juul
5 wugu	5 "	5 jyyl
6 !!	6 "	6 wyyl
	7 lillaw	7 jyyl
8 wuguuw	8 11aw	8 11
9 wiikij	9 nnaw	9 wyyn
11 wuhi	11 11	11 "
12 "	12 <sup>m</sup>	12 "
13 wusi	13 "	13 "
14 wukyj	14 "	14 **
15 wokej	15 "	15 "
16 wusi	16 fagafag	16 **
17 "	17 nnaw	17 "

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80to eat	81to bite it	82to suck
1 mangawY	1 gythy	1 thothol0
2 mangaw	2 gysy	2 gaamit
3 mwongoj	3 gysuw	3 sosor
4 mwongay	4 gusuw	4 "
5 mwong <b>i</b>	5 guuw	5 syssor
6 "	6 gyyw	6 "
7 "	7 kyyw	7 sossor
8 " // jangi	8 gyyw	8 !!
9 mwėngė	9 kyyw	9 jottumw// mowur
11 "	11 "	10 mowur
12 mwongė	12 **	11 jattum
13 mwėngė	13 "	12 mowur
14 <sup>**</sup>	14 "	13 mitiri
15 mwong <b>i</b>	15 "	14-15 jammyt
16 mwėngė	16 "	16 kuumi
17 "	17 "	17 jottumw
83to swallow it	84perspiration	85anus
83to swallow it 1 gapyngy	84perspiration 1 maworawor	85anus 1 pagatA —ari
1 gapyngy	1 maworawor	1 pagatA —ari
1 gapyngy 2 "	1 maworawor 2 moror	1 pagatA —ari 2 pygyg —er
1 gapyngy 2 " 3 jårongu	1 maworawor 2 mórór 3 llés	1 pagatA -ari 2 pygyg -er 3 tiwith -il/
1 gapyngy 2 " 3 jårongu 4 "	1 maworawor 2 moror 3 lles 4 "	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/ liwith -i1// puruj</pre>
1 gapyngy 2 " 3 jårongu 4 " 5 woromi	1 maworawor 2 mórór 3 llés 4 " 5 mwij	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/   liwith -i1// puruj 4 tiwith -i1</pre>
1 gapyngy 2 " 3 jårongu 4 " 5 woromi 6 "	1 maworawor 2 moror 3 lles 4 " 5 mwij 6 "	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/   liwith -i1// puruj 4 tiwith -i1 5 ngatel puruw</pre>
1 gapyngy 2 " 3 jårongu 4 " 5 woromi 6 " 7 "	1 maworawor 2 mórór 3 llés 4 " 5 mwij 6 " 7 móólijól	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/    liwith -i1// puruj 4 tiwith -i1 5 ngatel puruw 6 natel puruw</pre>
1 gapyngy 2 " 3 jårongu 4 " 5 woromi 6 " 7 " 8 wurumi	1 maworawor 2 mórór 3 llés 4 " 5 mwij 6 " 7 móólijól 8 móljól	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/    liwith -i1// puruj 4 tiwith -i1 5 ngatel puruw 6 natel puruw 7 puruw -å1</pre>
1 gapyngy 2 " 3 jårongu 4 " 5 woromi 6 " 7 " 8 wurumi 9 woromi	1 maworawor 2 mórór 3 llés 4 " 5 mwij 6 " 7 móólijól 8 móljól 9 móónejón	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/    liwith -i1// puruj 4 tiwith -i1 5 ngatel puruw 6 natel puruw 7 puruw -å1 8 natalejååp</pre>
1 gapyngy 2 " 3 jårongu 4 " 5 woromi 6 " 7 " 8 wurumi 9 woromi 11 "	<pre>1 maworawor 2 moror 3 lles 4 " 5 mwij 6 " 7 moolijol 8 moljol 9 moonejon 11 hariwicc</pre>	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/   liwith -i1// puruj 4 tiwith -i1 5 ngatel puruw 6 natel puruw 7 puruw -å1 8 natalejååp 9-11 liwet -in</pre>
<pre>1 gapyngy 2 " 3 jårongu 4 " 5 woromi 6 " 7 " 8 wurumi 9 woromi 11 " 12 "</pre>	<pre>1 maworawor 2 moror 3 lles 4 " 5 mwij 6 " 7 moolijol 8 moljol 9 moonejon 11 hariwicc 12 wic</pre>	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/ liwith -i1// puruj 4 tiwith -i1 5 ngatel puruw 6 natel puruw 7 puruw -ål 8 natalejååp 9-11 liwet -in 12 panganallo</pre>
1 gapyngy 2 " 3 jårongu 4 " 5 woromi 6 " 7 " 8 wurumi 9 woromi 11 " 12 " 13 "	<pre>1 maworawor 2 moror 3 lles 4 " 5 mwij 6 " 7 moolijol 8 moljol 9 moonejon 11 hariwicc 12 wic 13 moonol</pre>	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -i1/ liwith -i1// puruj 4 tiwith -i1 5 ngatel puruw 6 natel puruw 7 puruw -å1 8 natalejååp 9-11 liwet -in 12 panganallo 13 lywyt -yn</pre>
<ol> <li>gapyngy</li> <li>"</li> <li>jårongu</li> <li>"</li> <li>woromi</li> <li>"</li> <li>wurumi</li> <li>woromi</li> <li>"</li> <li>woromi</li> <li>"</li> <li>"</li> <li>"</li> <li>"</li> <li>"</li> <li>"</li> <li>"</li> <li>woromyj</li> </ol>	<pre>1 maworawor 2 moror 3 lles 4 " 5 mwij 6 " 7 moolijol 8 moljol 9 moonejon 11 hariwicc 12 wic 13 moonol 14 pweshykkar</pre>	<pre>1 pagatA -ari 2 pygyg -er 3 tiwith -il/ liwith -il/ puruj 4 tiwith -il 5 ngatel puruw 6 natel puruw 7 puruw -ål 8 natalejååp 9-11 liwet -in 12 panganallo 13 lywyt -yn 14 liwet -in</pre>

86...excrement

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87...penis

- 1 kuulA -eri/ raagA -ari 1 paagA -ari .
- 2 paag -ar 2 gaaj -ir
- 3 pijag -al 4 \* pagal
- 5 paag -al 5 gaaj —il
- 6 <sup>II</sup> .
- 7 paa påål
- 8 1
- 9 paa påån
- 11 "
- •• /

3 faas -al . 4 faas -al

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- 6 gaaj -il
- 7 see -1
- 8 see -1
  - 9 taa taan
  - 11 hee -n

12 paa pään/ pwihe, ja]	llow 12 hee -n
13 pải pảin	13 tto -n
14 jallow —en/ påå —n	14 see -n
15 jallow —on	15 see -n
16 ffen —in/ påå —n	16 tảảng tengin
17 pwuse	17 tảảng tengin
88testicles 89.	urine 90vagina
1 thėėrY thėėni 1	garėwyrėwy 1 bwaangA –ari
2 sier sien 2	" 2 bwiij -er
3 mwuur –ul 3	galėėlė 3 liis -el
4 mwuur –ul 4	11 4 11
5 fajylimwoor 5	" 5 tingij —al
6 fawylimwuur 6	tt 6 tt
7 sėėn sėėlyl 7	siir 7"
8 syyl sylyl 8	#: 8 tt

9 fajihėėl —yn	9 jamejaaw	9 tingij — an
11 hėėl hėėlyn	10-11 hiir	11 mwaa -n
12 hėėl hėėlyn	12 hiir/ jamejaw	12 tipis
13 suul suulun	13 cuucu	13 tyyw
14 sool soolon	14 siir/ jamejaw	14 tipis
15 sool soolon	15 jamejaw/siir	15 cảảp
16 suun suunun	16 cuucu	16 tyy
17 suun suunun	17 "	17 cảảp

91...to break wind 92...fat (adj.) 93...thin (not fat)

1 thingI

.

2 sing 0

3 sing

4 "

5 "

6 "

7 "

•

8 11

9 hing

11 "

12 "

bwataj
 "
 bwethåj
 "
 bwetaj
 "
 bwetaj
 "
 bwutåj
 pwětaj
 pwětej

.

12 jajymenaw

1 rangiita
2 "
3 pejaja
4 "
5 ppwat
6 "
7 ryyry
8 shykkyr
9 jåtéppwah/ ryyry
10-11 ryyry

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12 "

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			0 00		
13	pwir	13	pyréwatte	13	pyrenngaw
14	57	14	jėwysha	14	shyyshy
15	jalloomac	15	j <b>ė</b> wy <b>c</b> a	15	cyycy
16	pwir	16	kitinnupw	16	cykkyr
17	sing	17	11	17	cyycy

94...thick (object) 95...thick (liquid) 96...thin (object)

1	matherY	1	matherY	1	marifI
2	maseeser	2	<b>je</b> ppit0	2	marifirif
3	másésséél	3	mwethatha	3	målifilif
4	11	4	11	4	17
5	maalyjėly	5	maalyjėly	5	målif
6	<b>††</b>	6	11	6	11
7	måålijeel	7	ligijoojo	7	måleng
8	mååljėl	8	meshejshej	8	
9	maalij <b>e</b> el	9	konow	9	måneng
10	E ?	11	ngytangyt	11	reccaak
11	Ŧ.t	12	mecyccel	12	ceccaak
12	**	13	ngytangyt	13	tt
13	maanyyl	14	11	14	seseerish
14	maaliwėl	15	13	15	sasaaric
15	¥ 1	16	**	16	ceccaak
16	maanyyn	17	tt	17	tt

17 "

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97	hungry	98,	thirsty	99.	full (stomach)
1	thuungA	1	bwesifaruubwA	1	matY
2	suung	2	magawygawy	2	mat
3	kkolog/ suung	3	bwatabwat	3	math
4	kkolog	4	**	4	11
5	peccaajy	5	*1	5	måt
6	peccaawy	6	*1	6	**
7	peccaaj	7	m <b>oor</b>	7	11
8	11	8	11	8	mat
. 9	killilö	9	<b>11</b>	9	11
11	mwoor	11	palakka	11	tt
12	jārik/ killilo	12	moor/ palakka	12	**
13	jaryk	13	kka	13	11
14	jashyk/ pwunguruk	14	††	14	mėt
15	jacek	15	moor	15	11
16	jecik/ fijoon	16	kka/ mmat	16	tt
17	jecik	17	kaaka	17	11
10	0full (box) 1	01.	•empty	102	2blind
1	wulO	1 pé	•wyrY	1	taabwU
2	wug	2 pé	•wyr	2	<b>c</b> ee <b>c</b> abw
3	ssėg	3 pé	iil	3	metafės
4	11	4 '	1		
5	1.T	5 '	11	5	måtemåsyyr
6	¥1	6 '		6	11 1
7		7 pé	ėė	7	måsepar
8	ssog	8 t		8	pash

9	wur	9	<b>? ?</b>	9	mahapar
11	11	11	TT	11	11
12	t t	12	pėėn	12	mahapar
13	<b>††</b>	13	E ?	13	mesepar
14	F1	14	11	14	masapwon
15	11	15	11	15	masapwon
16	11	16	t1	16	cuun/ mesecun
17	t t	17	t†	17	cuun

103	3deaf	104	lsleepy	105.	.taste (n.)
1	taringypyngY	1	gatėrY	1	nnarA
2	pyyng	2	gatar	2	nnar
3	talangabwat	3	gathel	3	llal
4	¥7	4	11	4	11
5	talingabwat	5	gatėl	5	nnal
6	talingebwat	6	gatėl	6	11
7	selingabwas	7	ccow	7	\$* <b>\$</b> :
8	pyng	8	jatėl	8	llal lallal
9	hålingapyng	9	ccow	9	nnan n <b>e</b> nnan
11	helingapyng	11	jatėl	11	nnan nennan
12	helingepyng	12	11	12	nnėn nėnnan
13	selingapyn	13	jatil	13	* nėnnan
14	selingapyng	14	jatel	14	nnen n <b>e</b> nnan
15	selingapyng	15	ŤŤ	15	* n <b>ė</b> nnan
16	seningepin	16	mwocenatyn	16	nnen nennan
17	seningappyng	17	3 3	17	nnen nennan
106	5bitter	107	sour	108.	.sweet
1	malatA	1	mwannE	1 g	gaalA
2	magat	2	mwaan	2 g	gaag/ nnaw
3	marat	3	mmwal	3 c	alagar/ llaj
.4	11	4	mmwal	4 1	loj
5	merat	5	mwann	5 n	nnė
6	11	6	11	6 n	nnė
7	mėras	7	mmwan	7 m	nām
8	maras	8	mwåll	8	11

9	mérah	9	mmwål	9	11
11	merah	11	<b>† †</b>	11	mmem
12	maraha	12	1 P	12	jarar
13	maras	13	¥1	13	ngar// jarar
14	t <del>1</del>	14	mmwel	14	ngar
15	t1	15	mmwal	15	ngar
16	maras/kipwin	16	mmwan	16	jarar
17	kipwin/ maras	17	mmwan	17	ngar

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109	9wet	110dry	111	small	
1	wubwobwU/	1 pparE	1	gapparA	
	mylytegI	2 ppår	2	paacig	
2	nnew	3 ppal	3	wåcic	
3	11 <b>o</b> j	4 ppal	4	wacic	
4	lloj	5 pål	5	ciil	
5.	-6 ccog	6 pål	6	ccil	
7	ccog	7 pål	7	mwyttig	
8	ccog	8 pål	8	gitigiit/ laccel, mwittig	
9	reccan	9 pwah	9	kitikiit	
11	11	10 pwah	11	låccin	
12	caccan	11 pwah	12	kifetin/ jappanan, kummwét	
13	cėccėn	12 pwaha	13	jappanan/ kymwetin	
14	1.1	13 pwas	14	kisikis/ jappanan, kymwetin	
15	t 1	14 pwas	15	kyfėtyn, jappanan, kisikis	
16	11	15 pwas	16	jappanan/ mekkyn	
17	<u>†</u> †	16-17 pwas	5 17	kykkyn/ kis, jappanan	
112	2big	11	3sho	rt 114long	
1	taraparA/	1	mwos0	) 1 kaamesE/ jaraj	
	gogotI	2	2 mwoc	2 jaraj	
2	rap		8 mwooc	oc 3 lėllaaj	
3	palling	Z	L 11	4 "	
4	pålleng		5 mwosh	5 nennaaj	
5.	-6 farigit	e	. H	6 farymwosh/ nėnnaay	
7	tėmwog	7	mwor	7 lålååj	
8	tėmwog	8	8 mwosh	L 8 11	
9	likkåp	ç	mwor	9 jilåålååj	
11	likkep	11	11	11 jelåålååj	
12	jatemmong/	likkėp 12	2 mmwor	12 langatam/ jalaalaaj	
13	watte/ lik	xép 13	8 mwor	13 ttam/ jellej	
14	shapwyr/ wa	asapw 14	hwosh	14 leejilääj	
15	likkop	15	mwoc	15 lååjilååj	
	/				
16	watte/ wace	epw 16	5 mmwoc	16 ttam// nangattam	

	rivury				
1 wubwobwU/	1 pparE		1 ga	pparA	
mylytegI	2 ppår		2 paa	cig	
2 nnėw	3 ppal		3 wac	ic	
3 lloj	4 ppal		4 wac	ic	
4 lloj	5 pål		5 cii	]	
5-6 ccog	6 pål		6 cci	1	
7 ccog	7 pål		7 mwy	ttig	
8 ccog	8 pål		8 git:	igiit/ laccel, mwittig	
9 <b>r</b> eccan	9 pwah		9 kit	ikiit	
11 "	10 pwah		11 låc	cin .	
12 caccan	11 pwah		12 kif	etin/ jappanan, kummwét	
13 ceccen	12 pwaha		13 jap	panan/ kymwetin	
14 "	13 pwas		14 kis:	ikis/ jappanan, kymwetin	
15 "	14 pwas		15 kyf	ėtyn, jappanan, kisikis	
16 "	15 pwas		16 jap	panan/ mekkyn	
17 "	16-17 pwa	as	17 kykl	kyn/ kis, jappanan	
112big	-	112	3short	114long	
1 taraparA/		1	mwosO	1 kaamesE/ jaraj	
gogotI		2	mwoc	2 jaraj	
2 rap		3	mwoococ	3 lėllaaj	
3 palling		4	††	4 "	
4 pålleng		5	mwosh	5 nennaaj	
5-6 farigit		6	11	6 farymwosh/ nėnnaay	
7 témwóg		-	mwor	7 lålååj	
8 témwog			mwosh	8 11	
9 likkåp			mwor	9 jiláálááj	
11 likkep		-	11	11 jeläälääj	
12 jatemmong/	· ·		mmwor	12 langatam/ jalåålååj	
13 watte/ lik	-		mwor	13 ttam/ jellej	
14 shapwyr/ w	-		mwosh	14 leejilääj	
15 likkop			mwoc	15 lååjilååj	
16 watte/ wac			mmwoc	16 ttam// nangattam	
17 watte		11	mwoc	17 jånnej/ ttam, nangatta	ιm

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	ht
1 sawysigI 1 sawyrapA 1 wuwerE	
2 cawycig 2 cawyrap 2 wuuwer	
3 jóócigicig 3 cóólepelep 3 wél	
4 jååcigicig 4 c $\phi$ /lapalap 4 wuwėl	
5 shéégit 5 shééláp 5 "	
6 shoojit 6 shoolap 6 "	
7 řešit 7 řešláp 7 "	
8 shėėgit 8 shėėlap 8 "	
9 řeškit 9 řešláp 9 wéneccar	
11 " 10 wenecar	
12 rėėkymwan/ 12 " 11-12 waneco	ar
reekyfetin 13 rewatte// wawatte 13 "	
13 waaipenaan 14 sheesha 14 wan// wan	leshar
14 shéékisikis 15 cééca 15 waneccar	
15 céékisikis 16 cééwatte 16 "	
16-17 ceemwakkyn 17 "//ceemong 17 wen// wer	eccar
118crooked 119fast	
1 mwaangI 1 mmalA/ gamatang	
2 toforofor 2 reg	
3 copwcopw 3 mmith// mėra// ttir	
4 " 4 "	
5 ppwor 5 ttir	
6 ppwar0 6 "	

6 ppwar0 7 ppwór 8 " 9 " 11 " //likiráfittek 12 "

13 kopaj 14 kopaj

15 "

16 "

17 ppwor

7 kkaj

8 mwatamwat// langalang// ssit

9 kkaj/ måra

10 kkaj/ mėra

11 kkaj

12 kkaj

13 mwyttir/ kkaj

14 mwyttir

15 mwyttir

16-17 mwaat

131

	120slow	121old	122new
	1 sawasawA	1 pwethE	1 tajifėwy
	2 tarag	2 pwes	2 "
	3-4 temmith//	3 ssuloj	3 tåfėj
	temera// tettir	4 ssulij	4 táfój
	5 sėkkyt	5 tugofaaj	5 ffé
	6 11	6 "	6 11
	7 mmwaj	7 togufaj	7 "
	8 mwetėmmway	8 tuufåj	8 11
	9 raaw	9 måh	9 hėėfė
	10-11 ccaw	11 meh	11 ".
	12 ccaw	12 ] <b>öö</b> mw	12 "
	13 mmang	13 "	13 minifé
	14 "	14 mmos	14 sėėfė
	15 "	15 mmes	15 sėėfė
	16 "	16 nöömw	16 minifé
	17 "	17 "	17 fé
	123good	124bad	125 oneignt
	$12$ $\cdot$	124 • • Dau	125ancient
	1 mma c 0	$1 + \alpha m \pi \alpha \alpha \pi \pi \pi$	1 mothurso
	1 mmag0 2 mmåg	1 tamwaawy	1 mothuwe
	2 mmog	2 "	2 mosuwe
	2 mmog 3 mommwaje	2 " 3 tajikof//	2 mosuwe 3 musuwe
	2 mmog 3 mommwaje 4 mommaj	2 " 3 tajikof// tajikkof	2 mosuwe 3 musuwe 4 "
	2 mmog 3 mommwaje 4 mommaj 5 gace	2 " 3 tajikof// tajikkof 4 tajekkof	2 mosuwe 3 musuwe 4 " 5 "
	2 mmog 3 mommwaje 4 mommaj 5 gacc 6 "	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw	2 mosuwe 3 musuwe 4 " 5 " 6 "
	2 mmóg 3 mommwaje 4 mommaj 5 gacc 6 " 7 "	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 "	2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mojuwe
	2 mmog 3 mommwaje 4 mommaj 5 gacc 6 " 7 " 8 "	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 " 8 "	2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mojuwe 8 loomw
·	2 mmóg 3 mommwaje 4 mommaj 5 gacc 6 " 7 " 8 " 9 kacc	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 " 8 " 9 nngaw/ jillew	2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mójuwe 8 lóómw 9 "
	2 mmóg 3 mommwaje 4 mommaj 5 gacc 6 " 7 " 8 " 9 kacc 11 kacc/ ffiř	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 " 8 " 9 nngaw/ jållew 10-11 "	2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mojuwe 8 loomw 9 " 11 "
	2 mmóg 3 mommwaje 4 mommaj 5 gacc 6 " 7 " 8 " 9 kacc 11 kacc/ ffiř 12 kacc/ wétik	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 " 8 " 9 nngaw/ jållew 10-11 " 12 nngaw/ putak	2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mojuwe 8 loomw 9 " 11 " 12 "
	2 mmóg 3 mommwaje 4 mommaj 5 gacc 6 " 7 " 8 " 9 kacc 11 kacc/ ffiř 12 kacc/ wětik 13 kacc	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 " 8 " 9 nngaw/ jållew 10-11 " 12 nngaw/ putak 13 "	<pre>2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mojuwe 8 loomw 9 " 11 " 12 " 13 "</pre>
	<pre>2 mmog 3 mommwaje 4 mommaj 5 gacc 6 " 7 " 8 " 9 kacc 11 kacc/ ffir 12 kacc/ wetik 13 kacc 14 kaash</pre>	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 " 8 " 9 nngaw/ jållew 10-11 " 12 nngaw/ putak 13 " 14 nngaw	2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mojuwe 8 loomw 9 " 11 " 12 " 13 " 14 "
	<pre>2 mmog 3 mommwaje 4 mommaj 5 gacc 6 " 7 " 8 " 9 kacc 11 kacc/ ffiř 12 kacc/ wétik 13 kacc 14 kaash 15 jallem</pre>	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 " 8 " 9 nngaw/ jållew 10-11 " 12 nngaw/ putak 13 " 14 nngaw 15 "	2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mojuwe 8 loomw 9 " 11 " 12 " 13 " 14 " 15 "
	<pre>2 mmog 3 mommwaje 4 mommaj 5 gacc 6 " 7 " 8 " 9 kacc 11 kacc/ ffiř 12 kacc/ wetik 13 kacc 14 kaash</pre>	2 " 3 tajikof// tajikkof 4 tajekkof 5-6 nngaw 7 " 8 " 9 nngaw/ jållew 10-11 " 12 nngaw/ putak 13 " 14 nngaw	2 mosuwe 3 musuwe 4 " 5 " 6 " 7 mojuwe 8 loomw 9 " 11 " 12 " 13 " 14 "

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126s	trong 127	weak	128	Shard
1 pow	1	mangysA	1	poow
2 "	2	mangyc	2	gomosow
3 kke	1 3	faalag	3	masow
4 kke	l, kkål 4	11	4	11
5 mmå	sow/ kkajil 5	maaluw	5	cėfas
6 mmå		<b>†</b> †	6	ccėfas
7 mam	.aaw 7	wa <b>re</b> nngaw	7	ccemaaw
8 mam	.aw 8	p <b>irånngaw</b> //	8	ccėmaaw// nngyt
9 kke	l/ perakkyl	pisinngaw	9	ccėmaaw
11 kke	1 9	warynngaw	11.	maaw
12 "	11	waranngaw	12	ccėmaw
13 p <b>ė</b> r	akkyl 12	kyrynngaw	13	pėrakylakyl
14 pėc	ékkyn 13	warenngaw	14	pėcėkkyn
15 "	14	kyshynngaw	15	11
16 "	15	walanngaw	16	<b>! †</b>
17 "	16-	-17 japwangapwang	17	t 1
129s	oft 130	)difficult	131	•.easy
1 mys	ossol0 1	gamwaarI	1	tajigamwaarI
2 myc	agycag 2	gamwaar	2	tågamwaar
3 mac	ėgcėg 3	wäires	3	mecerig
4 "	4	wajires	4	tt
5 mes	hagysheg 5	wajires	5	masherag
6 mås	hawysheg 6	11	6	11
7 mec	eccoor 7	11	7	mererag
8 mes	hėccoor 8	cców/ wajiras	8	ppål
9 mėt	awutow 9	wajiråh	9	mėrerak
10 mėr	ecor 10	wåjiråh	11	mirerek
11 mat	owutow 11	wejireh	12	mireerek
12-13	maceccol 12	wejirehe	13	mireeres
14 pwe	teete 13	wajires	14	mesherek
15 "	14	wejirek	15	mycarak
16 "	15	wejiråk	16	meceres
17 "	16-	-17 wejires	17	meceres

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132boredom	133color	134blue, green
1 ngyysY	1 taal0 -ori	1 galawalawA
2 ngyyc	2 toog -or	2 gawagaw
3 "	3 tthėl thėlel	3 garaaraw
4 nguuc	4 thėėl -ėl	4 garowraw
5 ngyysh	5 tyyl -ål	5 garawaraw
6 nguush	6 "	6 garawa <b>r</b> aw
7 ngyyř	7 wuluul -ul	7 garawaraw
8 kkåshig	8 kėlood	8 jarawaraw
9 j <b>år</b> ik	9 janyw —an	9 "
11 kuu	11 janyjan janywen	11 jaraw
12 nny	12 * janywan	12 "
13 nywefeew	13 jany janywan	13 "
14 kuu	14 * janywan	14 "
15 "	15 "	15 "
16 nny	16 "	16 "
17 "	17 "	17 "
135black	136red	137white
1 losolos0	1 losaasa	1 bwesebwesE
2 gocogoc	2 gangagang	2 bwecebwec
3 rucuppung	3 cca	3 pwec
4 rucuppung	4 cécca	4 **
5 <b>cėc</b> col	5 "	5 pwesh
6 ceccal0	6 "	6 "
7 roleppung	7 cca	$7~{ m pw}$ ėr
8 shỏl/ shỏccẻl	8 par	8 pwesh
9 řól	10 ppar	9 ppwer
11 "	11 pwulopwul	11 pwer
12 "	12 ppar	12 pwer
13 "	13 "	13 "
14 shol	14 "	14 pwesh
15 c <b>i</b> l	15 "	15 pwec
16 <b>co</b> n	16 "	16 "
17 con	17 "	17 "

138(coral) lime	139yellow	140smooth (wood)
1 bweesE	1 talotoowA	1 mmithI
2 bweec	2 cånjöngocig	2 mmis
3 "	3-4 rangarang//	3 cål
4 "	parangarang	4 "
5 bweesh	5 rangarang	5 majisis
6 "	6 "	6 11
7 bweer	7 "	7 rall
8 bweesh	8 j <b>oljol</b>	8 fiino
9 pwee <b>ŕ</b>	9 j <b>åll</b> ėj <b>ol</b>	9 mwėtowutow
11 "	10 jålijöl	10 <b>r</b> al ·
12 "	11 j <b>o</b> lej <b>o</b> l	11 rel
13 "	12 jong	12 <b>r</b> al
14 pweesh	13 j <b>öl</b>	13 mwėtowutow
15 pweec	14 ram	14 sshël
16 "	15 j <b>i</b> l	15 ccėl
17 "	16-17 j <b>o</b> n	16-17 mwėtowutow
141rough	142light	143.heavy
1 bwatutu	1 pparE	1 ssaw
2 mwotogaga	2 pår	2 caw
3 tårångårång	3 ppal	3 ccow
	4 "	4 ccow
5 tarumwurumw	5 pp <b>il</b>	5 ccaw
6 "	6 "	6 "
7 taromwurumw	7 "	7 ccow
8 marangarang	8 11	8 "
9 torupwurupw	9 **	9 "
11 "	11 **	11 "
12 "	12 "	12 ccow
13 <sup>III</sup>	13 ppil/ ppwas	13 cow
14 "	14 ppel	14 sshow
15 "	15 ppal	15 ccow
16 "	16 ppån	16 "
17 "	17 ppin/ ppwas	17 "

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144hot	145cold	146to die
1 bwesI// bwesikkal	1 f <b>ė</b> ėw	1  mathE
2 bwec	2 "	2 mes
3 bwec// bwicikkar	3 ffoj/ gallefang	3 mas
4 **	4 ffoj/ galefing	4 "
5 bwesh//bwyshikkar	5 fėė́jy/ galifė́ė́jy	5 mås
6 "	6 fė́ėwy/ galifė́ėwy	r 6 ''
7 bw <b>ėr</b>	7 fėėj	7 må
8 kkėr// bwishikkar	8 patapat/ fėėj	8 "
9 pweř// pweřikkar	9 fėėj/ patapat	9 **
11 *	11 fééw/ patapat	10 "
12 kkar// pwerikar	12 patekyr⁄feej	11 "

, , <sub>T</sub>	L 0 / 0	
13 kkar// pwirikar	13 patapat/ fėėw	12 "
14 kkar	14 "	13 "
15 "	15 "	14 "
16 pwicikkar	16 "	15 "
17 "	17 "	16-17 "
147to kill it	148to live (reside)	149to give birth
1 fajini/ riij	1 mirE	1 gafatha
2 fajini/ riij	2 mirE	2 metåg
3 llij	3 mel	3 thejimėlaw
4 "	4 "	4 "
5 "	5 log	5 melawagiri
6 "	6 "	6 "
7 liij	7 no	7 makky-lo
8 lii-lo	8 lo/ kello	8 makky-lo/ makk

9 niij	9 no	9 jawupwu
11 "	11 11	10 makky-lo
12 "	12 nôm	11-12 jawupwu
13 "	13 "	13 jawupwa
14 "	14 no	14 jawupwupw
15 "	15 "	15 janėwynėw
16 jawata	16 n <b>o</b> m	16 jawupwupw
17 niij	17 n <b>o</b> m	17 nejineji

150	to be born	151	alive	15	52to exist	
1	faathA	1	faathA	1	wol	
2	fas	2	fas	2	2 wor	
3	mėlaw	3	mėlaw		3 jor	
. 4	"	4	11	2	1 11	
5	melaw	5	melaw	5	5 11	
6	11	6	**	e	5 11	
7	<b></b>	7	<b>11</b>	7	7 11	
8	melawlaw	8	11	8	3 11	
9	wupwu-tiw	9	manaw	ç	) II.	
11	**	10	menaw	11	tt .	
12	wupwu-tyw	11	månaw	12	2 wor	
13	"	12	manaw	13	3 ''	
14	11	13	11	14	4 "	
15	wupwu-tew	14	11	15	5 "	
16	wupwu-tiw	15	ménaw	16	5 u	
17	<b>1</b> 1	16-	-17 manaw	17	7 11	
153	to walk	154	4to run	15	55to swim	
1	fatarE	1	talI	1	jafA	
2	fatar	2	gacaji	2	jaf	
3	$ ext{ther}$	3	tther	3	jaf	
4	11	4	11	4	11	
5	faarag	5	riig	5	jafA	
6	**	6	11	6	11	
7	mwet	7	fattabw	7	jaf	
8	fååreg/ mwet	8	fåttabw	8	jåf	
9	mwėt/ fajil	9	hyy <b>ri</b> kirik	9	jaf	
11	fetål	11	sså	11	jåf	
12	fetal	12	sse	12	jaf	
13	fetal	13	sså	13	jå	
1)				()		
	fėtėl	14	jasyys/ jasyy		jå	
14	fėtėl fėtal		jasyys/ jasyy tyykal	14	jå jå	
14 15		15		14 15	-	

150	to be born	151	alive	15	52to exist	
1	faathA	1	faathA	1	wol	
2	fas	2	fas	2	2 wor	
3	mėlaw	3	mėlaw		3 jor	
. 4	"	4	11	2	1 11	
5	melaw	5	melaw	5	5 11	
6	11	6	**	e	5 11	
7	<b></b>	7	<b>11</b>	7	7 11	
8	melawlaw	8	11	8	3 11	
9	wupwu-tiw	9	manaw	ç	) II.	
11	**	10	menaw	11	tt .	
12	wupwu-tyw	11	månaw	12	2 wor	
13	11	12	manaw	13	3 ''	
14	11	13	11	14	4 "	
15	wupwu-tew	14	11	15	5 "	
16	wupwu-tiw	15	ménaw	16	5 u	
17	<b>1</b> 1	16-	-17 manaw	17	7 11	
153	to walk	154	4to run	15	55to swim	
1	fatarE	1	talI	1	jafA	
2	fatar	2	gacaji	2	jaf	
3	$ ext{ther}$	3	tther	3	jaf	
4	11	4	11	4	11	
5	faarag	5	riig	5	jafA	
6	**	6	11	6	11	
7	mwet	7	fattabw	7	jaf	
8	fååreg/ mwet	8	fåttabw	8	jåf	
9	mwėt/ fajil	9	hyy <b>ri</b> kirik	9	jaf	
11	fetål	11	sså	11	jåf	
12	fetal	12	sse	12	jaf	
13	fetal	13	sså	13	jå	
1)				()		
	fėtėl	14	jasyys/ jasyy		jå	
14	fėtėl fėtal		jasyys/ jasyy tyykal	14	jå jå	
14 15		15		14 15	-	

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156to fly	157to play	158	8to sing
1 jarI	1 kakamw0	1	singin
2 jar	2 gokomw	2	méwygarI
3 jål	3 kokomw	3	gammangel
4 "	4 kokomw	4	wuuta
5 jal	5 wur	5	bwaryg
6 "	6 "	6	bwaryg
7 jāl	7 "	7	bwaaj
8 jääs	8 wurumwet// wokku	ır 8	kkėėl
9 jååh	9 wurumwet	9	FT
10 j <b>i</b> as	11 "	11	11 .
11 jåås// hy	12 "	12	11

0 // 0		
12 hy	13 "	13 "
13 jaas	14 "	14 ngor/ kkėėl
14 sy	15 "	15 ngor/ kkėėl
15 "	16 "	16 kkėėn
16 <b>-1</b> 7 jåås	17 "	17 "
159dance (n.)	160to lie down	161to sit
1 bwalygY -yri	1 woro (-tiw)	1 maat0
2 bwagyg -yr	2 woro (-tug)	2 maat
3 bwarėg —ėl	3 jol (-thi)	3 marowrow
4 bwarog -ol	4 jol (-thi	4 "
5 wuur wurul	5 wolo (-tiw)	5 mått
6 wuur wurul	6 "	6 "
7 bwaaj bwaajyn	7 "	7 mööt
8 11	8 11	8 "
• • ·		

9 pwaaj pwaajyn 9 wono (-tiw) 9 " 11 pwaryk -yn 11 won 11 " 12 " 12 pwaryj -yn 12 " 13 pwaryk -yn 13 jiwel/ kööl 13 " 14 pweryk -yn 14 mwoot// moot 14 jiwel 15 mwoot// moot 15 pweryk -yn 15 " 16 " 16 jejiwen/ jekkir 16 mööt 17 kköön 17 pweryk -yn 17 mwööt

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162to stand	163to sleep	164to wake up
1 thyy	1 mathylY	1 ganne-rag0
2 syy	2 masyg	2 gannā-rog
3 "	3 måser	3 mmat/ cimwa-thag
4 suu	4 11	4 "
5 syy	5 måsyr	5 mmåt
6 "	6 "	6 11
7 јуу	7 måjyr	7 mmås
8 jykky/ jyy	8 majyr/ gilam	8 mmas/ jamwy-tå
9 wyy	9 majyr	9 jamwy-tå
11 "	11 mawyr	11 mah
12 "	12 majyr	12 mahaa-lo
13 "	13 mewyr	13 ne-la
14 "	14 "	14 mė-lo
15 "	15 "	15 mejåf
16 "	16 jannut	16 ne-n <b>i</b>
17 "	17 jannyt/ méwyr	17 ne-no
165awaken (tr.)	166to dream	167to know (facts)
165awaken (tr.) 1 fangyry	166to dream 1 ttarA	167to know (facts) 1 gyra
1 fangyry	1 ttarA	1 gyra
1 fangyry 2 fangyry	1 ttarA 2 ttar	1 gyra 2 "
1 fangyry 2 fangyry 3 fangaly	1 ttarA 2 ttar 3 tthal	1 gyra 2 " 3 gola
1 fangyry 2 fangyry 3 fangaly 4 fangalu	1 ttarA 2 ttar 3 tthal 4 "	1 gyra 2 " 3 golå 4 "
<ol> <li>fangyry</li> <li>fangyry</li> <li>fangaly</li> <li>fangalu</li> <li>fangaly</li> </ol>	<pre>1 ttarA 2 ttar 3 tthal 4 " 5 ttalA</pre>	1 gyra 2 " 3 golå 4 " 5 gyla
<ol> <li>fangyry</li> <li>fangyry</li> <li>fangaly</li> <li>fangalu</li> <li>fangaly</li> <li>fangaly</li> <li>ffangyly</li> </ol>	1 ttarA 2 ttar 3 tthal 4 " 5 ttalA 6 "	1 gyra 2 " 3 gola 4 " 5 gyla 6 "
<ol> <li>fangyry</li> <li>fangyry</li> <li>fangaly</li> <li>fangalu</li> <li>fangaly</li> <li>fangyly</li> <li>jåmmesa</li> </ol>	<pre>1 ttarA 2 ttar 3 tthal 4 " 5 ttalA 6 " 7 ttal</pre>	1 gyra 2 " 3 gola 4 " 5 gyla 6 " 7 kylej
1 fangyry 2 fangyry 3 fangaly 4 fangalu 5 fangaly 6 ffangyly 7 jámmesa 8 jammásá-tá/	<pre>1 ttarA 2 ttar 3 tthal 4 " 5 ttalA 6 " 7 ttal 8 "</pre>	1 gyra 2 " 3 gola 4 " 5 gyla 6 " 7 kylej 8 gulej
<ol> <li>fangyry</li> <li>fangyry</li> <li>fangaly</li> <li>fangalu</li> <li>fangaly</li> <li>ffangyly</li> <li>jämmesa</li> <li>jammåså-tå/</li> <li>fangalii-tå</li> </ol>	<pre>1 ttarA 2 ttar 3 tthal 4 " 5 ttalA 6 " 7 ttal 8 " 9 ttan</pre>	1 gyra 2 " 3 golå 4 " 5 gyla 6 " 7 kylej 8 gulej 9 kylej
<pre>1 fangyry 2 fangyry 3 fangaly 4 fangalu 5 fangaly 6 ffangyly 7 jammesa 8 jammasa-ta/ fangalii-ta 9-11 fangani</pre>	<pre>1 ttarA 2 ttar 3 tthal 4 " 5 ttalA 6 " 7 ttal 8 " 9 ttan 11 "</pre>	1 gyra 2 " 3 gola 4 " 5 gyla 6 " 7 kylej 8 gulej 9 kylej 11 kulej
<pre>1 fangyry 2 fangyry 3 fangaly 4 fangalu 5 fangaly 6 ffangyly 7 jammesa 8 jammasa-ta/ fangalii-ta 9-11 fangani 12 fangani 13 " 14 "</pre>	<pre>1 ttarA 2 ttar 3 tthal 4 " 5 ttalA 6 " 7 ttal 8 " 9 ttan 11 " 12 "</pre>	<pre>1 gyra 2 " 3 gola 4 " 5 gyla 6 " 7 kylej 8 gulej 9 kylej 11 kulej 12 "</pre>
<pre>1 fangyry 2 fangyry 3 fangaly 4 fangalu 5 fangaly 6 ffangyly 7 jammesa 8 jammasa-ta/ fangalii-ta 9-11 fangani 12 fangani 13 " 14 " 15 "</pre>	1 ttarA 2 ttar 3 tthal 4 " 5 ttalA 6 " 7 ttal 8 " 9 ttan 11 " 12 " 13 "	1 gyra 2 " 3 gola 4 " 5 gyla 6 " 7 kylej 8 gulej 9 kylej 11 kulej 12 " 13 silej
<pre>1 fangyry 2 fangyry 3 fangaly 4 fangalu 5 fangaly 6 ffangyly 7 jammesa 8 jammasa-ta/ fangalii-ta 9-11 fangani 12 fangani 13 " 14 "</pre>	<pre>1 ttarA 2 ttar 3 tthal 4 " 5 ttalA 6 " 7 ttal 8 " 9 ttan 11 " 12 " 13 " 14 "</pre>	<pre>1 gyra 2 " 3 gola 4 " 5 gyla 6 " 7 kylej 8 gulej 9 kylej 11 kulej 12 " 13 silej 14 kylej</pre>

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168to think	169to remember	170to forget
1 mangimeng	1 mangiij	1 maryjeegI
2 mengimeng	2 mengiij	2 marygeeg
3 lilliwal	3 lilliwallej	3 måliglig
4 lilluwal	4 lilluwallej	4 "
5 ninnywannY	5 lywannaj	5 målywegi (-tog)
6 "	6 11	6 "
7 mångymång	7 kylej	7 målyweg
8 tt	8 månge-to	8 mållyg
9 jekijek	9 cėcėmani/ mangi	9 mallek
11 "	10 cėccėmani	11 mållek
12 "	11-12 mengi	12 mållek
13 jåkijek	13 ceccemeni	13 målyysi
14 jakijek	14 shesshemeni	14 mellyyki
15 j <b>i</b> kijek	15 ceccemeni	15 mållyki
16 jekijek	16 mengi	16 mennyyki
17 "	17 ceccemeni	17 mėnnyyki

171..to count (tr.) 172..to count (int.)173..to read

1	gagojagoja	1	gagojagoja	1	tapatapA
2	wetegi	2	wetewet	2	rawyrew
3	paangi	3	paapa	3	jewawo
.4	paangi	4	paapa	4	riith
5	11	5	watawat/ paapa	5	geragi
6	1 T	6	<b>†</b> †	6	jewaawa
7	påångi	7	pååpå	7	jarågaråg
8	17	8	11	8	melejitej
9	paapa	9	jålleja	9	jaråkaråk
11	påångi	11	påångi	11	'to count (int.)
12	jallejaani	12	jāllijā	12	11
13	jalleja	13	jälleja	13	1 f
14	jalleja	14	jälleja	14	11
15	påångi	15	jålleja	15	11
16	påångi	16	janneja	16	<b>†</b> †
17	jånneja	17	jånneja	17	<b>†</b> †

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17	4to write	175	5to fear	17	6pain
1	faryferY	1	matagY -yri	1	matagI -iri
2	faryferY	2	matag -yr	2	matag -ir
3	taftaf	3	metag -ol	3	bwååreg -el
4	tiftaf	4	metog -ol	4	* <b>††</b>
5	fatofatY	5	metag0 -ol	5	metagI
6	fetyfatY	6	tt	6	11
7	fatafat	7	mesag -yl	7	metag
8	jiish	8	ft	8	metag
9	mmak	9	mehak -yn	9	metåk
11		11	mahak -yn	11	-12 metek
12	tt	12	mehak -yn	13	mėtėk
13	11 1	13	mesak -yn	14	11
14	11	14	nyw	15	mėtek
15	1†	15	nyw	16	ngiij <b>o</b> w/
16	<b>† †</b>	16	niw		metek
17	11	17	mesėk -yn/ niw -en	17	metek
17'	7craziness	178	3.anger 17	9	to quarrel
1	bwuusE -eri	1	thoongA 1	ja	asI
2	bwuuc -er	2	soong 2		
3	bwuuc -ol	3	11 3	jŌ	masow
4	11	4	11 4	jo	masow
5	bwuush0 -ol	5	<sup>tt</sup> 5	ga	ppiliwell
6	¥ <b>?</b>	6	" 6	11	
7	mmang -al	7	11 7	jå	pp <b>åli</b> wel
8	mmang -al	8	** 8	jå	sh

9	pwuur -on	9 hoong	9	jaar
11	±7	11 "	11	jångiingi
12	11	12 "	12	Ŧ <b>?</b>
13	wumwes	13 soong	13	janiini
14	11	14 "	14	jangiingi
15	81	15 "	15	likacapejaw
16	t t	16 "	16	janiini
17	**	17 "	17	11

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180to argue	181to fight	182war
1 gaangiingi	1 bwuug0 -ori	1 mawurI —iri
2 –	2 bwuug -or	2 mawur -ur
	bwaang -er	3 mawul —ul
	3 fetheg -el	4 "
	4 fitheg -el	5 "
	5-6 fiteg -il	6 "
7 'to quarrel'	7 fiijow	7 "
8 "	8 "	8 "
9 janiini	9 "	9 mawun —un
11 'to quarrel'	11 "	11 "
12 wippin	12 "	12 "
13 'to quarrel'	13 "	13 "
14 "	14 "	14 "
15 "	15 "	15 "
16 wippin	16 fiijuw	16 "
17 "	17 "	17 "
183itchy	184to scratch	185sick
1 geligeli	1 geligeli	1 matagI
2 bwajigeg	2 gejigeg	2 matag
3 fåjing	3 gorgor	3 tėmwaaj
4 "	4 11	4 temwaaj
5 feffang	5 gėėri	5 témwaajy
6 féfang/géét	6 gėėri	6 tėmwaawy
7 gėėt	7 gereger	7 semwaaj
8 geet	8 gereger	8 semwaaj
9 keet	9 jårikåår	9 hamwaaj
10 kėėt	10 kårikåår	10 hemwaaj
11 kėėt	11 kerikeri	11 hemwaaw
12 pwerik/ kėėt	12 jårikeeri	12 hamwaaj/ semmwen
13-14 kėėt	13-14 jakeryker	13 semmwan/ semwaaw
15 pwårek	15 jajikår	14-15 samwaaw
16 kėėt/ pwerik	16 j <b>år</b> ikeeri	16 semmwen/ samwaaw
17 "	17 jepwerika	17 samwaaw

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186	5to swell	187	7to dig	188	3a hole
1	gangytyyj	1	kkerI	1	riibwA -eri
2	bwo	2	kker	2	ramaram
3	11	3	kkil	3	liibw -el
4	tł.	4	kkel	4	ŤŤ
5	11	5	kkelI	5	liibw —al
6	11	6	11	6	tt
7	11	7	kkel	7	ngaat -en
8	11 1	8	11	8	liibw -el
9	pwo	9	11	9	naah nehen
11	<b>t</b> †	11	ttow/ kkel	11	11
12	11	12	jålingi	12	ngaat

12	11	12 jålingi	12 ngaat
13	t 1	13 ttuw	13 pwaang
14	f 1	14 ttow	14 "
15	††	15 "	15 "
16	11	16 ttuw	16 " / ngaat/ naas
17	t t	17 ttuw	17 pwaang

189..(local name for the language) 190..to say

1 ramari thongosaar0	1 thėėlY
2 ramari gatogobwej	2 tapa
3-4 jalol juulithii	3 sėėr
gasel methaw	4 seer
5-6 kėpatile wėleja	5 sėėrY
gasel metaw	6 "
7 képasen sátawan	7 jyra
8 kapasal falywash	8 jira
9 kapahan pwollowat	9 japaha
10 kapahan hook	10 japaha
11 kesen pwollap	11 japaha
12 kapahen wonoowun	12 japaha
13 föösen murile	13 wyra
14 föösun nėmwė	14-15 japasa
15 foosun satawan	16 wyra
16-17 föösun cuuk	17 japasa

191to speak	192to moan	193to scream
1 tapa	1 bwawysyysY	1 tthėlY/ kkabwas
2 raam	2 ngyyngy	2 gacogong
3 kapatpat	3 ngẻẻngẻ	3 tawul
4 "	4 "	
5 kėpit	5 jawyrawyrY	5 gabwat
6 kepat	6 "	6 "
7 kėpas	7 -	7 jakkabwas
8 kapas	8 ngyyngy	8 117
9 kapah	9 "	9 jakkapwah
11 "	11 "	11 jėėr/ mwejir
12 kapaha	12 janngy	12 j <b>ee</b> r
13 föös	13 ngyyngy	13 pwureer
14 kapås	14 "	14 pwushėėr
15 kapås	15 "	15 pwucėėr
16 föðs	16 <sup>III</sup>	16 "
17 "	17 "	17 "
194to call	195to call him	196to ask
1 fathefathE	1 fathangy	1 gatthija
2 fasafas	2 fasangy	2 gaasi
3 fasang	3 fasangu	3 kassi
4 fasang	4 "	4 kassi
5 féffásh	5 fåsangu	5 gassi
6 "	6 "	6 kassi
7 feffaj	7 fajingi	7 jajijeg
8 <b>f</b> affaj	8 fajingi	8 jåjijeg
9 feffaj	9 "	9 jååjek
10 ffaj	11 kkėri	11 "
11-12 kkė	12 kėeri	12 jakajijek
13 "	13 "	13 jajis
14 jasėssor	14 jasori	14 jajijek
15 "	15 jasorej	15 "
16 kkė	16 kėėri	16 jakkajijek

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197	7voice	<b>)</b>	198	3truth	199a lie
1	raamA		1	tėėthY	1 thawutoongI
2	raam		2	gatėės	2 gokocow
3	* j <b>i</b> lo	51	3	tées	3-4 kacapar
4	**		4	11	5-6 gattig// misimis
5	tiig		5	nnet	7 misimis
6	17		6	tt	8 miis
7	tigitig	г >	7	llet	9 mehimih/ tittik
8	leefal		8	11	10 mehimih
9	ngiingi	-	9		11 mihillang
11	11		11	pwyyng	12 řofénej/ jařyw/
12	11		12	11	mwakel
13	* lėwy	rlan	13	<b>11</b>	13 rofenej/ mwakel/
14	mangyyn	ngy	14	**	mirimir
15	<b>† †</b>		15	11	14-15 cofona
16	* nejy	wan	16	t t	16 mwaken
ιv					
17	ngiingi 0lose		-	" 1to find	17 " 202to search
17 200	0 <b>lo</b> se	something	g 2.01	lto find	202to search
17 20( 1	0lose pejita	something (-rag0)	g 2.01 1	<pre>1to find weeli</pre>	202to search 1 gappawygY
17 200 1 2	0lose pejita pyngy	something (-rag0) (-rog)	g 2.01 1 2	lto find	202to search
17 200 1 2 3	0lose pejita pyngy pyngy	something (-rag0) (-rog) (-log)	g 2.01 1 2 3	<pre>1to find weeli weegi</pre>	202to search 1 gappawygY 2 gup
17 20( 1 2 3 4	0lose pejita pyngy pyngy pungu	<pre>something (-rag0) (-rog) (-log) (-log)</pre>	g 201 1 2 3 4	lto find weeli weegi mwååmwå/ ffag	202to search 1 gappawygY 2 gup 3 mommwååri
17 20( 1 2 3 4 5	0lose pejita pyngy pyngy	<pre>something (-rag0) (-rog) (-log) (-log)</pre>	g 201 1 2 3 4 5	<pre>1to find weeli weegi mwååmwå/ ffag "</pre>	202to search 1 gappawygY 2 gup 3 mommwååri 4 "
17 20( 1 2 3 4 5 6	Olose pejita pyngy pyngy pungu pungu	something (-rag0) (-rog) (-log) (-log)	g 201 1 2 3 4 5 6	<pre>1to find weeli weegi mwååmwå/ ffag " shuungi</pre>	<pre>202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag</pre>
17 20( 1 2 3 4 5 6 7	0lose pejita pyngy pyngy pungu pungu	something (-rag0) $(-r \circ g)$ $(-l \circ g)$ $(-l \circ g)$ $(-l \circ g)$	g 201 1 2 3 4 5 6 7	<pre>1to find weeli weegi mwååmwå/ ffag " shuungi ffag</pre>	<pre>202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag 6 "</pre>
17 20( 1 2 3 4 5 6 7 8	Olose pejita pyngy pyngy pungu pungu "	something (-rag0) $(-r \circ g)$ $(-l \circ g)$ $(-l \circ g)$ $(-l \circ g)$	g 201 1 2 3 4 5 6 7 8	<pre>1to find weeli weegi mwååmwå/ ffag " shuungi ffag weri</pre>	202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag 6 " 7 gyyt
17 20( 1 2 3 4 5 6 7 8 9	Olose pejita pyngy pyngy pungu pungu målywéé pungu	something (-rag0) $(-r \circ g)$ $(-l \circ g)$ $(-l \circ g)$ $(-l \circ g)$	g 201 1 2 3 4 5 6 7 8 9	<pre>1to find weeli weegi mwååmwå/ ffag " shuungi ffag wëri shuungi</pre>	<pre>202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag 6 " 7 gyyt 8 gyyt</pre>
17 20( 1 2 3 4 5 6 7 8 9 11	Olose pejita pyngy pyngy pungu målywéé pungu " kullu	something (-rag0) $(-r \circ g)$ $(-l \circ g)$ $(-l \circ g)$ $(-l \circ g)$	g 201 1 2 3 4 5 6 7 8 9 11	<pre>1to find weeli weegi mwååmwå/ ffag " shuungi ffag wéri shuungi weri</pre>	<pre>202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag 6 " 7 gyyt 8 gyyt 9 kytt</pre>
17 20( 1 2 3 4 5 6 7 8 9 11 12	Olose pejita pyngy pyngy pungu pungu " målywéé pungu " kullu	something (-rag0) $(-r \circ g)$ $(-1 \circ g)$ $(-1 \circ g)$ $(-1 \circ g)$ $(-1 \circ g)$ $(-1 \circ )$	g 201 1 2 3 4 5 6 7 8 9 11 12	<pre>1to find weeli weegi mwååmwå/ ffag " shuungi ffag wéri shuungi weri pwå</pre>	202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag 6 " 7 gyyt 8 gyyt 9 kytt 11 "
17 20( 1 2 3 4 5 6 7 8 9 11 12 13	Olose pejita pyngy pyngy pungu pungu " målywee pungu " kullu pyngy	<pre>something (-rag0) (-rog) (-log) (-log) (-log) (-log) (-loj) (-lo) (-lo) (-lo) (-lo)</pre>	g 201 1 2 3 4 5 6 7 8 9 11 12 13	<pre>1to find weeli weegi mwååmwå/ ffag " shuungi ffag wéri shuungi weri pwå weri</pre>	<pre>202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag 6 " 7 gyyt 8 gyyt 9 kytt 11 " 12 kajir</pre>
17 20( 1 2 3 4 5 6 7 8 9 11 12 13 14	Olose pejita pyngy pyngy pungu pungu " målywéé pungu " kullu pyngy péwyti	<pre>something (-rag0) (-rog) (-log) (-log) (-log) (-log) (-loj) (-lo) (-lo) (-lo) (-lo) (-lo) (-lo)</pre>	g 201 1 2 3 4 5 6 7 8 9 11 12 13 14	<pre>1to find weeli weegi mwaamwa/ffag " shuungi ffag weri shuungi weri pwa weri wiri</pre>	202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag 6 " 7 gyyt 8 gyyt 9 kytt 11 " 12 kajir 13 kyyt
17 20( 1 2 3 4 5 6 7 8 9 11 12 13 14 15	Olose pejita pyngy pyngy pungu pungu " målywéé pungu " kullu pyngy péwyti pééty	<pre>something (-rag0) (-rog) (-log) (-log) (-log) (-log) (-loj) (-lo) (-lo) (-lo) (-lo) (-lo) (-lo) (-lo) (-lo) (-lo) (-lo) (-lo)</pre>	g 201 1 1 2 3 4 5 6 7 8 9 11 12 13 14 15	<pre>ito find weeli weegi mwaamwa/ ffag " shuungi ffag weri shuungi weri pwa weri wiri wiri weri</pre>	<pre>202to search 1 gappawygY 2 gup 3 mommwååri 4 " 5 ffag 6 " 7 gyyt 8 gyyt 9 kytt 11 " 12 kajir 13 kyyt 14 kyyt</pre>

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20	)3to buy	204	to sell	205	5to steal
1	paryjerI	1	gooraparyjerI	1	pilafA
2	2 paryger		gamwaaw		pigaf
	8 cuwaaj		tapecuwaaj		paråf
4	L 11		11		11
5	5 11	5	faang	5	piraf
e	5 17		11		
7	7 11	7	ŧ1	7	mworo
8	8 kkamė	8	jamejowu(-lo)	8	mwosho
ç	) kamė	9	jamėėmė	9	hoola
11	11	11	1.1	11	tt ·
12	2 11	12	₹ <b>†</b>	12	mworo
13	5 TT	13	11	13	tt
<b>1</b> 4	L 11	14	11	14	sooli
15	5 11	15	11	15	soolå
16	. !! ) !!	16	<b>11</b>	16	soonå
17	7 11	17	11	17	t t
20	)6to do	207	to work	208	3to show
1	fawylY	1	fitegI	1	gannagA
2	2 fawyg	2	fiteg	2	gannag
	feer	3	jengaang	3	kaware
4	L 11	4	<u>††</u>	4	kaware
5	Y T	5	j <b>a</b> ngaang	5	gaweri
6	, 11 )	6	tt	6	tt
7	r 11	7	11	7	jåweri
8	3 11	8	<u>††</u>	8	jabwaari
9	) 11	9	ft	9	jaweri/pwååri
11	11	11	11	11	pwååri
12	) <u>11</u>	12	jangaang	12	jawyry/ pwååry
13	5 11 1	13	11	13	11
14	<b>1</b> †	14	11	14	11
15	\$ <del>.</del>	15	ŤŤ	15	† †
16	5 11	16	11	16	11
17	r tt	17	11	17	1));

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209	to want 2	210	to choose	211	knife (butcher)
1 1	mwasari	1	tiwerE	1	wathej
2 ·	tiperi	2	tiwer	2	wuwasej
3 ·	thepili	3	thuwal	3	såår
4	F F	4	thuwal	4	saar
5 -	tipeli	5	ffil	5	TT
6	11	6	ffil	6	<b>教</b> 書5
7	11	7	jåffil	7	11
8 1	mwushel/ tipeli	8	ffil	8	tt
9 ·	tipeli//mwėran	9	11	9	haar
11	mweren 1	1	11	11	11 .
12	11 1	2	11*	12	11
13	11 1	3	141	13	saar
14	mwoshen 1	4	t <b>1</b>	14	<b>tt</b>
15	mwocen 1	15	11	15	11
16	11 1	6	11月 - 111 -	16	71
17	1 1	17	11	17	najif, najif
212	machete 2	213	pocket-knife	214	4adze (small)
	machete 2 wathejitapA		pocket-knife gannofirang0		4adze (small) taraje
1 -		1		1	
1 · 2 :	wathejitapA	1 2	gannofirang0	1 2	taraje
1 · 2 :	wathejitapA mwatete	1 2 3	gannofirangO cifennajif	1 2 3	taraje tara
1 · 2 : 3 4	wathejitapA mwatete sisi	1 2 3 4	gannofirangO cifennajif litėėfic	1 2 3 4	tārāje tārā pucugul
1 · 2 · 3 4 5 ·	wathejitapA mwatete sisi	1 2 3 4 5	gannofirangO cifennajif litėėfic litoofic	1 2 3 4	tāraje tārā pucugul m
1 · 2 : 3 4 5 · 6 ·	wathejitapA mwatete sisi " tapatap	1 2 3 4 5 6	gannofirangO cifennajif litėėfic litoofic bwajila	1 2 3 4 5 6	tāraje tārā pucugul m tela
1 · 2 · 3 4 5 6 7	wathejitapA mwatete sisi u tapatap tepetåp	1 2 3 4 5 6 7	gannofirangO cifennajif litėėfic litoofic bwajila pėshannys	1 2 3 4 5 6 7	tārāje tārā pucugul " tela "
1 · 2 · 3 · 4 · 5 · 6 · 7 · 8	wathejitapA mwatete sisi " tapatap tepetåp fåtilobwu	1 2 3 4 5 6 7 8	gannofirangO cifennajif litėėfic litoofic bwajila pėshannys påřennos	1 2 3 4 5 6 7 8	tāraje tārā pucugul " tela " sile
1 · 2 · 3 · 4 · 5 · 6 · 7 · 8	wathejitapA mwatete sisi " tapatap tepetåp fåtilobwu sapysap haar	1 2 3 4 5 6 7 8 9	gannofirangO cifennajif litėėfic litoofic bwajila pėshannys påřennos saar	1 2 3 4 5 6 7 8 9	taraje tara tara pucugul " tela " sile siles hele
1 · 2 · 3 · 4 · 5 · 6 · 7 · 8 · 9 · 11	wathejitapA mwatete sisi " tapatap tepetåp fåtilobwu sapysap haar "	1 2 3 4 5 6 7 8 9	gannofirangO cifennajif litėėfic litoofic bwajila pėshannys påřennos saar pakiilåjif	1 2 3 4 5 6 7 8 9	taraje tara tara pucugul " tela " sile siles hele
1 · 2 · 3 · 4 · 5 · 6 · 7 · 8 · 9 · 11 · 12 ·	wathejitapA mwatete sisi " tapatap tepetåp fåtilobwu sapysap haar " laajif 1	1 2 3 4 5 6 7 8 9 10	gannofirangO cifennajif litėėfic litoofic bwajila pėshannys påřennos saar pakiilåjif haarylos/ lėtoofi	1 2 3 4 5 6 7 8 9	taraje tara tara pucugul " tela " sile siles hele 11 hele 12 "
$   \begin{array}{c}     1 \\     2 \\     3 \\     4 \\     5 \\     6 \\     7 \\     8 \\     9 \\     11 \\     12 \\     13 \\   \end{array} $	wathejitapA mwatete sisi " tapatap tepetåp fåtilobwu sapysap haar " laajif took 1	1 2 3 4 5 6 7 8 9 10	gannofirangO cifennajif litėėfic litoofic bwajila pėshannys påřennos saar pakiilåjif haarylos/ lėtoofi littoofiř	1 2 3 4 5 6 7 8 9	taraje tara tara pucugul " tela " sile siles hele 11 hele 12 "
$   \begin{array}{c}     1 \\     2 \\     3 \\     4 \\     5 \\     6 \\     7 \\     8 \\     9 \\     11 \\     12 \\     13 \\   \end{array} $	wathejitapA mwatete sisi " tapatap tepetåp fåtilobwu sapysap haar " laajif took saap 1	1 2 3 4 5 6 7 8 9 10 11 12	<pre>gannofirang0 cifennajif litėėfic litoofic bwajila pėshannys påřennos saar pakiilåjif haarylos/ lėtoofi littoofiř pařillof/ litoofi</pre>	1 2 3 4 5 6 7 8 9 .r	taraje tara tara pucugul " tela " sile siles hele 11 hele 12 " 13 sele
$     1 \\     2 \\     3 \\     4 \\     5 \\     6 \\     7 \\     8 \\     9 \\     11 \\     12 \\     13 \\     14 \\     15 $	wathejitapA mwatete sisi " tapatap tepetåp fåtilobwu sapysap haar " laajif took saap "	1 2 3 4 5 6 7 8 9 10 11 12 13-	<pre>gannofirang0 cifennajif litėėfic litoofic bwajila pėshannys påřennos saar pakiilåjif haarylos/ lėtoofi littoofiř pařillof/ litoofi 14 saarkopw</pre>	1 2 3 4 5 6 7 8 9 .r	taraje tara tara pucugul " tela " sile siles hele 11 hele 12 " 13 sele 14 tykėtyk

215..adze handle 1 pwuungy taraje 2 pwyngyr tårå  $3 \text{ m} \phi \phi 1$ 4 " 5 majyl 6 mawyl 7 jiimw 8 -9 jaar, jeran hele 11 jåår/ paar

12 jiimw, jimwan hele 13 jiimw, jimwen sene 14 11 15 pwung, pwungyn sele 16 paac, pacan fanafan 17 jaac, jacan sene

216..sword 1 wathej 2 – 3 sajithen 4 " 5 sajiten 11 6 7 111 8 sabwule 9 katilaas 11 ketilaas

12 ketilaas/ katana

217..spear (fighting)

- 1 gathigI
- 2 gasig
- 3 pécoc
- 4 "
- 5 kkeje
- 6 pėshosh
- 7 wobwaj
- 8 -

- 13 "
- 14 katilaas/ katana
- 15 katilaas
- 16 ketinaas/ katana
- 17 ketinaas

218..spear (fishing) 1 gathigI 2 gasig 3 piska 4 " 5 pisga 11 6 7 likappyr

8 pacingko/ fisiga

9	hilåh	9 fisika
11	siles	11 likappir
12	tt	12 likapir
13	††	13 wook
14	silek	14 wokun asafish
15	11	15 jasafic
16	sines	16 nikappic
17	11	17 fisika

219. bow

219	9bow	220	)arrow
1	gathigibwalobwal0	1	rawyrA
2	rėė́rijang	2	-
3	walgasik	3	gasik
4	-	4	**
5	gasikk	5	jumi
6	gasik	6	11
7	jumi	7	11
8	-	8	_
9	likappir	9	fajyn likåppiř
10	likåapir	10	fajyn likååpir
11	15	11	11
12	jakur rejintijan	12	merewan awukur rejintijan
13	pisekin rejintijan	13	<b>jawukun</b> intijan
14	likappish	14	mecėw
15	japwarapwar	15	peel
16.	-17	16-	-17 wookun rejintijan
22	1to cut 222to split		223to slice

1 taapA 1 tapagi 1 tajetaje 2 sepisep 2 tiretir 2 jėwjėwy 3 sapsap 3 thėtthėėl 3 teftaf 4 sopsop 11 11 4 4 5 gopogop 5 tittil 5 tafataf 6 gopogop 6 11 6 \*\* 7 gopogop 7 jamakala 7 tipitip 8 gup 8 tilingi 8 wulekkitiij (tr.) 9 pakypak 9 tilångi 9 jataakit 11 pak 11 jaweti (-lo) 10 jataakit 12 pak 12 jahatta 11 rejireji 13 pak 13 tilengi 12 jicci 14 peek 13 wuleji/ tiperi (tr.) 14 tilangi 15 peek 15 tilangej 14 jommwoji/ tipaki (tr.) 16 peek 15 tipakej (tr.) 16 tilengi 17 péék 16 wuneji (tr.) 17 jåssåt 17 kocopw

22	4to saw	22	5shar	p 22	6to sharpen it
1	leele	1	kkangI	1	kkangiij/ tajemi
2	geege		kkång		kkangiij// tajimi
3	reere	3	kkang		
4	11	4	11		
5	11	5	11	5	tajimi
6	11	6	11	6	tajemi
7	11:	7	141		sajimi
8	17	8	kkång	8	sejimi
9	11	9	11	9	håjimi/ jåkkångiij
10	reere/ ngerenger	11	kkeng		hejimi
11	ngerenger	12	11	12	11
12	-13 "	13	11	13	jakki/ sejimi
14	reere	14	kkėng	14	sejiki/ sejimi, jakkyj
15	t <b>!</b>	15	11	15	sajekeji
16	ngerenger	16	kkeng	16	jekkeni
17	11	17	kken	17	jekkeni. sejimi
22'	7dull	228	8box	22	9to jump
1	guw	1	bwaal0	1	rutU
2	11	2	bwaag	2	rut//nunut
3	gyj	3	kagol	3	lyt
4	guj	4	**	4	lut
5	guw	5	tt	5	nnyt
6	H	6	11	6	nnut
7	kkopw	7	tt	7	llus
8	11	8	kagun/	bwoor 8	llys
9	11	9	pw <b>oʻoʻr</b>	9	llyh
11	kkopw	11	17	11	mmwet
12	kopw	12	1.It	12	lyhyw
13	kopw	13	**	13	mwat
14	kopw	14	**	14	mwet
15		4 5	11	1 -	
	kuu	15		15	n
	kuu kopw	15	11		mmwet
16 17					

2	30to climb	231	to fall	232	2to topple
	1 tawy-	1	mco-tiw0	1	malo-rag0
	2 gaga-	2	mogo-tiw		mogo-tug
	3 thải-	3	pyngy-thi/ mar-th	i :	3-4 mar-thi/
	4 "	4	pungu-thi		ciparag-thi
	5 tėė	5	ppyngy-tiw	5	maccė-log
	6 "	6	ma <b>ceė-</b> tiw	6	tt.
	7 "	7	11	7	måjuw-tiw
	8 "	8	pungu-tiw	8	mwaccė-lo
	9 "	9	moro-tiw	9	majiwo-lo
1	1 "	11	toro-tiw	11	mwewy-lo
1	2 "	12	ja <b>r</b> amara-tyw	12	mwocė-lo
1	3 "	13	turu-tuw	13	tur
1	4 "	14	kully-tyw	14	tur
1	5 "	15	kylly-tew	15	tur
1	6 "	16	turu-tiw	16	mwocė-no
1	7 18	17	turu-tiw	17	turu-no
2	33 to drop $(tr)$		224 to three		225 to beat
	33to drop (tr.)		234to throw		235to beat
	1 pejita-tiw0		1 gatingI		1 wawuwowu
	2 pungy-tug 3 pathaa-thi		2 pejita-rog 3 kekkac		2 wowuwowu 3 wawo
	4 "		4 "		5 wawo 4 "
	5-6 gashaje-tiw/		- 5 tettar		4 5 wawuwowu
	pyngy-tiw		6 "		6 "
	7 j <b>å</b> rej		7 "		0 7 "
	8 taråå-tiv		' 8 tattar		8 liij
	9 j <b>år</b> eje-tiw		9 jařaje-lo		9 jepwili
	0 pajitåå-tiw		10 j <b>åkkår</b> / peppaj	it	10 wiri
	1 jatoråå-tiw		11 jarej	"L. U	11 jopwuli
	2 paji-tuw/ toro-tu	w	12 jåkkar		12 japwuli
	3 tur		13 manej		13 "
	4 jasheji-tyw		14-15 jacej		14-15 wopwuli
	5 turå-tuw		16 jåkkåc		16 jawata
	6-17 woturåå-tiw		17 monej		17 wici
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## 236..to break 237..to hit (int.) to hit (tr.)

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1	tawath	1 wawuwowu	wawutuw
2	ficingi	2 wowuwowu	wowutu
3	magop	3 tyyg	tygyj
4	11	4 tuug	tuguj
5	punnuw	5 tuug	tuguj
6	11	6 "	tuguw
7	gopogop	7 "	tuguj
8	pyllyw	8 11	tuguuw
9	tt	9 tuuk	tukuuw
11	wypiij	11 "	<b>TT</b> .
12	pyllyw	12 "	13
13	kupi	13 japwollaw	japwollaw
14	pyllyw	14 jafel	jafelu
15	kopij	15 jafal	jafalu
16	kupi	16 suuk	sukuw
17	pynny// kupi	17 –	jėfėnu
238	3.,to shoot	239to stab	240person
1	pweethI	1 faatA	1 jalematA
2	pwesi	2 towutow	2 jagamat
3	pak	3 thow	3 jaramat/ ramta
4	påkk	4 "	4 "
5	11	5 ttow	5 jaramāt
6	**	6 "	6 "
7	pakk	7 wubwu	7 j <b>årå</b> mås
8	påkk	8 ttow	8 jaramas

9 "	9 ttow	9 jåråmåh
11 firi	10 wupwu	11 jaramah
12 ttow	12 towukamwar	12 jaramaha
13 pėkki	13 ppės	13 jaremās
14 pėkkyj	14 "	14 jaremy <b>s</b>
15 ppės	15 ttow	15 jaramas
16 pekki	16 ppės	16 "
17 ppek	17 ppos	17 "

241man, male	242woman	243child
1 mwaarE mwaani	1 fajifirE	1 riwejisI
2 mwaar mwanni	2 fåjifir	2 gariwejic
3 mwaal -ėl	3 fååfel	3 jåliwec
4 mwaal -ėl	4 "	4 jåliwic
5 mwaal mwanni	5 sh <b>öö</b> bwut	5 saari
6 mwaal mwanni	6 "	6 "
7 mwaan -in	7 řoobwut	7 woonigit
8 mwal -yl	8  showut	8 jåt/ wolygåt
9 mwåån mwanni	9 řóopwut	9 jäät
10 mwaan mwaanen	11 11	11 jatekkit
11 "	12 "	12 hemirit
12 mwan — an	13 feefin	13 menyk <b>o</b> l
13 mwaan mwaanyn	14 shoopwut	14 jatopwush
14 mwåån mwåånyn	15 coopwet	15 semirejit
15 mwaan mwaanan	16 feefin	16 semirit
16–17 mwåån mwåånin	17 feefin	17 "
244baby	245boy	246girl
244baby 1 riwejisI	245boy 1 gappalamwaarE	246girl 1 gappalafajifirE
ŭ		1 gappalafajifirE
1 riwejisI	1 gappalamwaarE	1 gappalafajifirE
1 riwejisI 2 gaaga	1 gappalamwaarE 2 gariwejic mwaa	1 gappalafajifirE r 2 gariwejic fåjifir
1 riwejisI 2 gaaga	1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 "	1 gappalafajifirE r 2 gariwejic fåjifir 3 lefeecyg
1 riwejisI 2 gaaga 3 jäliwecel lacyg	1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal	1 gappalafajifirE r 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig
1 riwejisI 2 gaaga 3 jåliwecel lacyg 5 sawugaawA (male)	1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal	1 gappalafajifirE 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishööbwut
1 riwejisI 2 gaaga 3 jaliwecel lacyg 5 sawugaawA (male) ligaawA (female)	1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal 6 "	1 gappalafajifirE 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishööbwut 6 "
<pre>1 riwejisI 2 gaaga 3 jaliwecel lacyg 5 sawugaawA (male) ligaawA (female) 6 gattu</pre>	1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal 6 " 7 woonigatmwaan	1 gappalafajifirE 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishööbwut 6 " 7 woonigåt rööbwut
<ol> <li>riwejisI</li> <li>gaaga</li> <li>jåliwecel lacyg</li> <li>sawugaawA (male)         <ul> <li>ligaawA (female)</li> <li>gattu</li> <li>jååt</li> </ul> </li> </ol>	1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal 6 " 7 woonigatmwaan 8 jatamwaal	1 gappalafajifirE 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishööbwut 6 " 7 woonigåt řööbwut 8 jatashööbwut
<ol> <li>riwejisI</li> <li>gaaga</li> <li>jåliwecel lacyg</li> <li>sawugaawA (male)         <ul> <li>ligaawA (female)</li> <li>gattu</li> <li>jååt</li> <li>malygól</li> </ul> </li> </ol>	1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal 6 " 7 woonigatmwaan 8 jatamwaal 9 jaat	<pre>1 gappalafajifirE 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishööbwut 6 " 7 woonigåt rööbwut 8 jatashööbwut 9 faapwyl</pre>
<ol> <li>riwejisI</li> <li>gaaga</li> <li>jåliwecel lacyg</li> <li>sawugaawA (male)         <ul> <li>ligaawA (female)</li> <li>gattu</li> <li>jååt</li> <li>malygól</li> <li>manykól</li> </ul> </li> </ol>	1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal 6 " 7 woonigatmwaan 8 jatamwaal 9 jaat 11 "	<pre>1 gappalafajifirE 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishoobwut 6 " 7 woonigåt roobwut 8 jatashoobwut 9 faapwyl 11 "</pre>
<pre>1 riwejisI 2 gaaga 3 jåliwecel lacyg 5 sawugaawA (male) 1igaawA (female) 6 gattu 7 jååt 8 malygöl 9 manyköl 11-12 manyköl</pre>	<pre>1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal 6 " 7 woonigatmwaan 8 jatamwaal 9 jaat 11 " 12 "</pre>	<pre>1 gappalafajifirE 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishööbwut 6 " 7 woonigåt rööbwut 8 jatashööbwut 9 faapwyl 11 " 12 "</pre>
<pre>1 riwejisI 2 gaaga 3 jåliwecel lacyg 5 sawugaawA (male) 1igaawA (female) 6 gattu 7 jååt 8 malygöl 9 manyköl 11-12 manyköl 13 " 14 "</pre>	<pre>1 gappalamwaarE 2 gariwejic mwaa: 3 tarmwaal 4 " 5 sarimwaal 6 " 7 woonigatmwaan 8 jatamwaal 9 jaat 11 " 12 " 13 "</pre>	<pre>1 gappalafajifirE 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishööbwut 6 " 7 woonigåt rööbwut 8 jatashööbwut 9 faapwyl 11 " 12 " 13 něnngyn</pre>
<pre>1 riwejisI 2 gaaga 3 jåliwecel lacyg 5 sawugaawA (male) ligaawA (female) 6 gattu 7 jååt 8 malygól 9 manykól 11-12 manykól 13 " 14 "</pre>	<pre>1 gappalamwaarE 2 gariwejic mwaa 3 tarmwaal 4 " 5 sarimwaal 6 " 7 woonigåtmwaan 8 jatamwåål 9 jååt 11 " 12 " 13 " 14 "</pre>	<pre>1 gappalafajifirE r 2 gariwejic fåjifir 3 lefeecyg 4 lefeecig 5 sarishööbwut 6 " 7 woonigåt rööbwut 8 jatashööbwut 9 faapwyl 11 " 12 " 13 něnngyn 14 lijarååt</pre>

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247relative	248	8spouse 249sweetheart
1 malejalE	1	liili liiri 1 gamwalE —eri
2 magejag	2	giigi giir 2 gamwag -er
3 marejar	3	riiri riil 3 gamwar -el
4 mårejar	4	11 4 11
5 marejar	5,	fitijeti fitijel 5 gėmwar —ėl
6 "	6	fitij -el 6 "
7 * pėrangjangail	7	bwuppwuluw bwuluwål 7 jåmwar –en
8 bwii	8	shoʻoʻlimw —a'l 8 —
9 mårjår	9	roonimw — an 9 jamwar — en
11 "	11	roonw -en 11 "
12 peřeri	12	pwupwuluw pwuluwen 12 kammwét
13 määraar	13	roonimw -en 13 "
14 määräär	14	pwupwuluw pwuluwen 14 "
15 "	15	15 1
16 "	16	pwupwunuw pwunuwen 16 "
17 "	17	n 17 n
250.father	251	1mother 252sibling (same sex)
250father 1 tamatamA tamari		<pre>1mother 252sibling (same sex) thiirE 1 bwithibwithI bwithiri</pre>
	1	
1 tamatamA tamari	1 2	thiirE 1 bwithibwithI bwithiri
1 tamatamA tamari 2 taamA —ar	1 2	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil</pre>
1 tamatamA tamari 2 taamA —ar 3 tamatam tamal	1 2 3 4	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil</pre>
1 tamatamA tamari 2 taamA —ar 3 tamatam tamal 4 "	1 2 3 4	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil</pre>
1 tamatamA tamari 2 taamA —ar 3 tamatam tamal 4 " 5 taam temal	1 2 3 4 5 6	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil</pre>
1 tamatamA tamari 2 taamA -ar 3 tamatam tamal 4 " 5 taam temal 6 "	1 2 3 4 5 6 7	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil " 6 "</pre>
1 tamatamA tamari 2 taamA -ar 3 tamatam tamal 4 " 5 taam temal 6 " 7 saam semäl	1 2 3 4 5 6 7 8	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil " 6 " jiin 7 bwiibwi bwiil</pre>
1 tamatamA tamari 2 taamA -ar 3 tamatam tamal 4 " 5 taam temal 6 " 7 saam semäl 8 "	1 2 3 4 5 6 7 8 9	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil " 6 " jiin 7 bwiibwi bwiil jiil 8 "</pre>
1 tamatamA tamari 2 taamA -ar 3 tamatam tamal 4 " 5 taam temal 6 " 7 saam semäl 8 " 9 haam hämän	1 2 3 4 5 6 7 8 9	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil " 6 " jiin 7 bwiibwi bwiil jiil 8 " jiin 9 pwiipwi pwiin " 11 "</pre>
<ol> <li>tamatamA tamari</li> <li>taamA -ar</li> <li>tamatam tamal</li> <li>"</li> <li>taam temal</li> <li>"</li> <li>saam semål</li> <li>"</li> <li>haam håmån</li> <li>haam hemån</li> </ol>	1 2 3 4 5 6 7 8 9 11	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil " 6 " jiin 7 bwiibwi bwiil jiil 8 " jiin 9 pwiipwi pwiin " 11 " " 12 "</pre>
<ol> <li>tamatamA tamari</li> <li>taamA -ar</li> <li>tamatam tamal</li> <li>"</li> <li>taam temal</li> <li>"</li> <li>saam semål</li> <li>"</li> <li>haam håmån</li> <li>haam hemån</li> <li>haam hemån</li> </ol>	1 2 3 4 5 6 7 8 9 11 12	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil " 6 " jiin 7 bwiibwi bwiil jiil 8 " jiin 9 pwiipwi pwiin " 11 " " 12 " " 13 "</pre>
<ol> <li>tamatamA tamari</li> <li>taamA -ar</li> <li>tamatam tamal</li> <li>"</li> <li>taam temal</li> <li>"</li> <li>saam semål</li> <li>"</li> <li>haam håmån</li> <li>haam hemån</li> <li>haam hemen</li> <li>haam heman</li> </ol>	1 2 3 4 5 6 7 8 9 11 12 13 14	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil " 6 " jiin 7 bwiibwi bwiil jiil 8 " jiin 9 pwiipwi pwiin " 11 " " 12 " " 13 "</pre>
<pre>1 tamatamA tamari 2 taamA -ar 3 tamatam tamal 4 " 5 taam temal 6 " 7 saam semål 8 " 9 haam håmån 10 haam hemån 11 haam hemen 12 haam heman 13 saam semen</pre>	1 2 3 4 5 6 7 8 9 11 12 13 14 15	<pre>thiirE 1 bwithibwithI bwithiri siir 2 bwisibwis bwisir silsil 3 bwisibwis bwisil " 4 bwisibwis bwisel siilE 5 bwiis bwisil " 6 " jiin 7 bwiibwi bwiil jiil 8 " jiin 9 pwiipwi pwiin " 11 " " 12 " " 13 " " 14 "</pre>

253sibling	(opposite	sex)
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1. mw	ejangang	mwejangari			1 wasA
2 mwa	<b>å</b> jang	mwajangar			2 was
3 mwa	angejang	mwangal			3 soopw
4 mwa	angang	mwangal			4 "
5 mwa	angej	mwangej <b>i</b> l			5 wubwuu
6 mwa	angaj	mwangejel			6 "
7  mw	engejan	mwengej <b>i</b> n			7 wubwuubw
8 *		mwangejål			8 11
9 mwa	angaj	mwangejån			9 wupwuu
10 mw	angej	mwangejån			. 11 soopw
11 mw	ongejang	mwangejen			12 "
12 mw	engejang	mwengejen// :	rööpwut (ma	ile s	speaker) 13 "
13 mw	ongejang	<pre>mwongejen// :</pre>	feefin (ma	le s	speaker) 14 "
14 mw	ongejang	mwongajen			15 "
15 "					16 "
16-17	mwongej	<pre>mwongejen// :</pre>	feefin (ma]	le sp	peaker) 17 "
	_				to rub briskly
1 wa			jamwirA		jamwirA
-	ffagej ilili		jamwir Llei i i		jåtijet
3 KK 4 "			kkiliil "		jige// fåjija "
				_	
5 wo 6 "			nnywa		nnyywa
7 11		· · · · · ·	toofi	Ū	llywa
	yw gasagas	1 8			gere-tiw
9 li		9			fajikår
ייב אין			taalyw		jamooji/ jonna
12 "			jatukuw		fajiker
13 "			tukuw		fewyngar
14 "			jammata		jalla/ soof
15 "			jatuku		jafejikis
16 ni			sopwuw		jefejikes
17 "			jammata		fewyker
• 1		ι (	Jamma va	¥ [	TCWATCT

254..wash

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- W

258	3to rub gently	259to bathe	260to bring
1	jamwirA	1 tyyty	1 gathaa (-tog)
2	jåtijet	2	2 gasi (-tog)
3	jithifi	3 thyythy	3 gasii (-thog)
4	11	4 thuuthu	4 "
5	nnyywa	5 tyyty	5 gasi (-tog)
6	t t	6 "	6 "
7	llywa	7 **	7 bwugi (-to)
8	tỏỏf tỏỏfi	8 "	8 "
9	11	9 "	9 waa (-to)
11	11	11 "	11 wuweji (—to)
12	11	12 "	12 waa (-to)
13	11	13 "	13 ryyla
14	11	14 "	14 waa (-to)
15	"	15 "	15 "
16	11	16 "	16 "
17	11	17 "	17 "
261	to hold it	262morning	263evening
201		-	-
1	gamwasy	1 nimarijer	1 nigagaafI
	gamwacy	2 "	2 nifagaaf
3	gėėly	3 limäälijel	3 lifagaaf
	goolu	4. "	4 "
	bwuluuw	5 nisoor	5 raleej
6	11	6 "	6 "
7	jåfiti	7 lejatosor	7 jatafååf
8	jamwashy	8 leesor	8 –
9	jamwa <b>r</b> y	9 lohoor	9 lahapwynij <b>o</b> l
11	"	11 "	11 lahapwylijól//
12	11	12 lesesoor	leefåf
13	jamwary// kamwar	-	12 lehapwylijel
14	jammwashy	14 lesesoor	13 kunijol
15	jammwacy	15 soor	14 lekunijel
16	jamwacy	16 nesesoor	15 kunijel
17	jė́mwacy	17 "	16-17 nekkynijon

264night	265day	266today
1 bwoongI -iri	1 laarI lariri	1 lannejija
2 bwoong -ir	2 gaarI garir	2 gannej
3 bwoong -ol	3 raal raal	3 rålej// jigala
4 "	4 råål råål	4 <sup>11</sup>
5 "	5 rann rannel	5 ralejija
6 **	6 **	6 "
7 bwoong -un	7 rảản rảảnin	7 jigila
8 bwoong -il	8 råål rålyl	8 jigila//
9 pwoong -in	9 rảản rảnyn	fååfilijej
11 "	11 rảản rảảnin	9 jikana
12 pwoong -on	12 rảản rảnin	10 jikena
13 pwyyn -yn	13 raan ranyn	11–12 jikina
14 pwoong -yn	14 rảản rảnyn	13 jikin <b>i</b> j
15 pwoong -on	15 "	14 jikaneej
16 pwiin -in	16 råån rånin	15 jikana
17 "	17 råån råånin	16–17 jikėnėj
267tomorrow	268day after tom	orrow 269yesterday
1 warathy	1 majithalaaniwara	athy 1 rarowA
2 warasy	2 mijisaganwarasy	2 rarow
3 walsu	3 watalangel	3 lalow
4 "	. 4 "	4 "
5 najy	5 serangil	5 nalow
6 nawy	6 11	6 "
7 lajyw	7 rallelaan	7 lålėw
8 lajy	8 sapalal lajy	8 lålew
9 lajyw	9 rånnena	9 nånew
11 lawy	11 rånnanah	11 nanew
12 lehor	12 pėllon lehor	12 "
13 leesor	13 pallan leesor	13 nanaw
14 neesor	14 pallon leesor	14 nanew
15 lėwy	15 palalaal leesor	15 nanėw
16 neesor	16 sorenón neesor	16 nanew
17 neesor	17 pannönyn neesor	17 nånew

.

270..day before yesterday 271. daytime 272. age, year 1 majithalaanirarowA 1 nilaarI 1 mathirapA 2 gannewe/ måjisaganrarow 2 masirap (year) 2 nigaar 3 leraål jaat0 (age) 3 talangal lalow 4 lerial 3-4 riag -el 4 " 5 telangin nalow 5 lettėjiwat 5 raag -yl 6 " 6 **11** 6 " 7 såpelaal lålew 7 rååg –il 7 leeril 8 råg -il 8 råållewe 8 11 9 rannewe 9 leerån 9-11 rååk -in 10 rånnewe// pullon nånew 11 " jijer  $11 n^{\circ}$ nnowo 10 11

11 rånnewe	12 "	12 jij <b>i</b> r
12 pallaawe	13 "	13 jijer
13 pallan nanaw	14 "	14 "
14 kulon nanew	15 "	15 "
15 kul <b>i</b> n nan <b>i</b> w	16 neeran	16 "
16 pannönyn nanew	17 "	17 "
17 pann <b>o</b> nyn nånew		
	274. to go	275to return
273to come	1 rag0	1 wegi
1-2 bwii-tog	2 rog	2 wegi
3 bwuu-thog	3 log	3 tafål
4 "	4 "	4 "
5 bwii-tog	5 "	5 tefaal
6 "	6 "	6 11
7 jit-to	7 lċ	7 sefål
8 11	8 lö	8 **
9 jit-to// fåjit-to	9 "	9 hefål
11 jit-to// fejit-to	11 "	11 hefal
12 fit-to	12 "	12 håfal
13 jet-to	13 "	13 liwin
14 fejit-to	14 "	14 liwyn
15 fet-to	15 "	15 liwin
16-17 jet-to// fejit-to	16 n <b>o</b>	16 niwin
	17 "	17 "

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276to turn around (tr.)	277to turn	around 278to turn (change (int.) direction)
1 wegiti	1 wegitegI	1 wegI
2 sygyn	2 wegiteg	2 sygyn
3 gatagolly	3 tagul	3 sorofag
4 gatagollu	4 "	4 "
5 gatagunnu	5 tagunn	5 "
6 "	6 "	6 "
7 soreej	7 wokitåg	7 sygyl
8 sorej	8 togul	8 sor
9 j <b>o</b> kullu	9 kull	9 kull
10 jakullu	11 "	11 kull/ rik
11-12 hoorej	12 "	12 rik
13 jakulluw	13 "	13 "
14 soorej	14 "	14 "
15 "	15 "	15 "
16 "	16 kunn	16 "
17 "	17 kunn	17 "
279turn it over	280 - 281 + 1	<u> </u>
	280pull it	281pull hand over hand
1 wegiti	1 jafithi	hand
		hand 1 jafijefI
1 wegiti	1 jafithi	hand 1 jafijefI 2 jåfijef
1 wegiti 2 sygyn	1 jafithi 2 jåfis	hand 1 jafijefI
1 wegiti 2 sygyn 3 wugethi	1 jafithi 2 jåfis 3 jyryr	hand 1 jafijefI 2 jåfijef 3 jafijef 4 "
1 wegiti 2 sygyn 3 wugethi 4 "	1 jafithi 2 jåfis 3 jyryr 4 jurur	hand 1 jafijefI 2 jåfijef 3 jafijef 4 "
1 wegiti 2 sygyn 3 wugethi 4 " 5 wégeti	1 jafithi 2 jåfis 3 jyryr 4 jurur 5 wuuru	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw
1 wegiti 2 sygyn 3 wugethi 4 " 5 wégeti 6 " 7 woketi 8 sorej	1 jafithi 2 jåfis 3 jyryr 4 jurur 5 wuuru 6 "	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw 7 sali
1 wegiti 2 sygyn 3 wugethi 4 " 5 wégeti 6 " 7 woketi	1 jafithi 2 jåfis 3 jyryr 4 jurur 5 wuuru 6 " 7 tajuuw	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw 7 sali 8 tajy
1 wegiti 2 sygyn 3 wugethi 4 " 5 wėgeti 6 " 7 woketi 8 sorej 9 jokullaata 10 weliki	<ol> <li>jafithi</li> <li>jafis</li> <li>jyryr</li> <li>jurur</li> <li>jurur</li> <li>wuuru</li> <li>"</li> <li>tajuuw</li> <li>jityrypa</li> <li>wyyri</li> <li>jafij</li> </ol>	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw 7 sali 8 tajy 9 jåfiij
<ol> <li>wegiti</li> <li>sygyn</li> <li>wugethi</li> <li>"</li> <li>wėgeti</li> <li>"</li> <li>woketi</li> <li>sorej</li> <li>jokullaata</li> <li>weliki</li> <li>wėketi</li> </ol>	<ol> <li>jafithi</li> <li>jafis</li> <li>jyryr</li> <li>jurur</li> <li>jurur</li> <li>wuuru</li> <li>"</li> <li>tajuuw</li> <li>jityrypa</li> <li>wyyri</li> <li>jafij</li> <li>jafii</li> </ol>	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw 7 sali 8 tajy 9 jåfiij
<ol> <li>wegiti</li> <li>sygyn</li> <li>wugethi</li> <li>"</li> <li>wėgeti</li> <li>"</li> <li>woketi</li> <li>sorej</li> <li>jokullaata</li> <li>weliki</li> <li>wėketi</li> <li>jakullu</li> </ol>	<ol> <li>jafithi</li> <li>jafis</li> <li>jyryr</li> <li>jurur</li> <li>jurur</li> <li>wuuru</li> <li>"</li> <li>tajuuw</li> <li>jityrypa</li> <li>wyyri</li> <li>jafij</li> </ol>	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw 7 sali 8 tajy 9 jåfiij 11 jafij
<ol> <li>wegiti</li> <li>sygyn</li> <li>wugethi</li> <li>"</li> <li>wėgeti</li> <li>"</li> <li>woketi</li> <li>sorej</li> <li>jokullaata</li> <li>weliki</li> <li>weketi</li> <li>jakullu</li> <li>jareppa</li> </ol>	<pre>1 jafithi 2 jafis 3 jyryr 4 jurur 5 wuuru 6 " 7 tajuuw 8 jityrypa 9 wyyri 11 jafij 112 jafi 13 jefi 14 "</pre>	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw 7 sali 8 tajy 9 jåfiij 11 jafij 12 jåfi
<ol> <li>wegiti</li> <li>sygyn</li> <li>wugethi</li> <li>"</li> <li>wegeti</li> <li>"</li> <li>woketi</li> <li>sorej</li> <li>jokullaata</li> <li>weliki</li> <li>weketi</li> <li>jakullu</li> <li>jareppa</li> <li>jashappa</li> </ol>	<pre>1 jafithi 2 jafis 3 jyryr 4 jurur 5 wuuru 6 " 7 tajuuw 8 jityrypa 9 wyyri 11 jafij 112 jafi 13 jefi 14 " 15 jamėja</pre>	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw 7 sali 8 tajy 9 jåfiij 11 jafij 12 jåfi 13 "
<ol> <li>wegiti</li> <li>sygyn</li> <li>wugethi</li> <li>"</li> <li>wėgeti</li> <li>"</li> <li>woketi</li> <li>sorej</li> <li>jokullaata</li> <li>weliki</li> <li>weketi</li> <li>jakullu</li> <li>jareppa</li> </ol>	<pre>1 jafithi 2 jafis 3 jyryr 4 jurur 5 wuuru 6 " 7 tajuuw 8 jityrypa 9 wyyri 11 jafij 112 jafi 13 jefi 14 " 15 jamėja 16 jefi</pre>	hand 1 jafijefI 2 jåfijef 3 jafijef 4 " 5 tajyyw 6 tawyyw 7 sali 8 tajy 9 jåfiij 11 jafij 12 jåfi 13 " 14 "

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282.	.to pluck	283	push it	284	rope	, canoe rope
1 w	uthuw	1	tiingi	1	taarI	taniwa
2 w	usuw	2	11	2	taar	tånwa
3 j.	ysyj	3	thiingi	3	tåål	tålwa
4 j	usuw	4	11	4	<b>!</b> †	
5 w	iij	5	11	5	taalI	tånniwaa
6	11	6	11	6	11	
7	ŧ1	7	71	7	såål	sålinwaa
8	P.1	8	11	8	saal	sålilwaa
9 j	uttiij	9	11	9	håål	hålinwaa
11 w	iij	11	11	11	jamej	jamejinwaa
12	tt -	12	11	12	<b>*</b> †	
13	11	13	pwuus	13	saal s	selinwaa
14	ft	14	9 B	14	11	
15 w	ytti	15	11	15	11	
16 w	iij	16	tiini	16	sảản	seninwaa
17	<b>!!</b>	17	T T	17	31	
285.	.to tie	286	.a knot	287	7wra⊥	) it
1 g	ammwasY	1	bwugobwug0	1	tygyty	уgyyjE
2 g	eege	2	bwugobwug	2	tygyty	/gyg
3 g	oogoj	3	bwogbwog	3	lyllyn	ni
4	11	4	bwugobwug	4	lullun	ni
5 g	eege	5	ť. ř	5	limi	
6	11	6	11	6	nynnyn	n// tygymi
7	11	7	11	7	tygymi	
8 p	wug	8	bwuug	8	<u>†</u> †	

9	pwukooj	9	pwukopwuk	9	tykymi
11	kėėli	11	11	11	11
12	sarej	12	11	12	<b>††</b>
13	rii	13	pwuuk	13	reeni
14	roow	14	11	14	tykymi
15	11	15	roworow	15	tykytyk
16	rii	16	riiri	16	tykymi
17	11	17	pwuuk	17	<b>! !</b>

κ.

288to burn (int)	289	9burn (tr.)	290	Dashes
1 jimagaawa (?)	1	kkalA	1	mwaritho
2 gyy	2	дуу	2	farang
3 gus			3	felang
4 gus			4	felang
5 fisngeg	5	mwush	5	felang
6 fisngeg	6	ŧ1	6	11
7 ppul	7	figi	7	t1
8 11	8	fiigi// mwush	8	felang
9 "	9	jaky	9	felang
11 "	11	jatonga	11	11 -
12 kkar	12	fiiki	12	††
13 "	13	jaky/ kėė́ni	13	felang
14 "	14	kėėngi/ fiiki	14	pajas
15 "	15	kaangej	15	pejås
16 "	16	kkeni//fiisi	16	fanang
17 "	17	jakkara	17	11 1
291.fire	292	2smoke	292	3water
1 jaafI	1	bwulog0	1	saarY
2 jaafI	2	bwugog	2	caar
	3	bwuraag	~	cåål
3 jååf		NH WI WWS	3	Caar
3 jaaf 4 "		bwéraag		u 11
	4		4	
4 "	4 5	bw <b>e</b> raag	4 5	11
4 " 5 jaafI	4 5 6	bweraag bwuraag	4 5 6	" shaal
4 " 5 jaafI 6 "	4 5 6 7	bweraag bwuraag "	4 5 6 7	" shaal shaal
4 " 5 jaafI 6 " 7 jångat	4 5 6 7 8	bwėraag bwuraag " bwurok// bwóós	4 5 6 7 8	" shaal shaal raan
4 " 5 jaafI 6 " 7 jångat 8 jångat// ppul fiigas	4 5 6 7 8	bwėraag bwuraag " bwurok// bwóós bwurat// bwurókk	4 5 6 7 8	" shaal shaal raan shal
4 " 5 jaafI 6 " 7 jångat 8 jångat// ppul fiigas	4 5 6 7 8 9 11	bwėraag bwuraag " bwurok// bwóós bwurok// bwoós bwurat// bwurókk pwurókk jaat	4 5 6 7 8 9 11	" shaal shaal raan shal raan
4 " 5 jaafI 6 " 7 jångat 8 jångat// ppul fiigas 9 jånget 11-12 jånget/ harew	4 5 6 7 8 9 11 12	bwėraag bwuraag " bwurok// bwóós bwurok// bwoós bwurat// bwurókk pwurókk jaat	4 5 6 7 8 9 11 12	" shaal shaal raan shal raan raan raan
4 " 5 jaafI 6 " 7 jångat 8 jångat// ppul fiigas 9 jånget 11-12 jånget/ harew 13 jaaf jefin	4 5 6 7 8 9 11 12 13	bwėraag bwuraag " bwurok// bwóós bwurok// bwóós bwurat// bwurókk pwurókk jaat jaat	4 5 6 7 8 9 11 12 13	" shaal shaal raan shal raan raan " "
4 " 5 jaafI 6 " 7 jångat 8 jångat// ppul fiigas 9 jånget 11-12 jånget/ harew 13 jaaf jefin 14 jååf jefin	4 5 6 7 8 9 11 12 13 14	bwėraag bwuraag " bwurok// bwóos bwurat// bwurokk pwurokk jaat jaat jatywat	4 5 6 7 8 9 11 12 13 14	" shaal shaal raan shal raan raan " raan/ jaliki
4 " 5 jaafI 6 " 7 jångat 8 jångat// ppul fiigas 9 jånget 11-12 jånget/ harew 13 jaaf jefin 14 jååf jefin 15 jååf jåfin	4 5 6 7 8 9 11 12 13 14 15	bwėraag bwuraag " bwurok// bwoos bwurat// bwurokk pwurokk jaat jaat jatywat jatywėt	4 5 6 7 8 9 11 12 13 14 15	" shaal shaal imaan shal imaan imaan " imaan/ jaliki shaan

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294the sea	295.,ocean	296salt
1 taatI -iri	1 matawA	1 soo <del>l</del> 0
2 taat tattir	2 mataw	2 soor
3 tảith -el	3 mathaw	3 gasiiga
4 11	4 "	4 "
5 taatI -il	5 metaw	5 gasiig
6 **	6 11	6 "
7 sååt -in	7 "	7 jåsiig
8 sååt –il	8 11	8 gasiig
9 hååt —in	9 mėtaw	9 j <b>i</b> siika
11 **	11 metaw	11 sool
12 hååt hetin	12 mataw	12 "
13 saat setin	13 "	13 "
14 sååt setin	14 "	14 "
15 **	15 "	15 "
16 "	16 "	16 söön
17 "	17 "	17 "
297wind	298to blow (wind	1)299correct
297wind 1 jaangI	298to blow (wind 1 firE	1)299correct 1 welI// bwyngY
1 jaangI	1 firE	1 well// bwyngY
1 jaangI 2 jaangI	1 firE 2 pagas	1 welI// bwyngY 2 bwyng
1 jaangI 2 jaangI 3 jåång	1 firE 2 pagas 3 mmar	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung</pre>
1 jaangI 2 jaangI 3 jaang 4 "	1 firE 2 pagas 3 mmar 4 jangajang	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung</pre>
1 jaangI 2 jaangI 3 jåång 4 " 5 jaangI	1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang//	<ol> <li>well// bwyngY</li> <li>bwyng</li> <li>bwung, bwong</li> <li>bwung</li> <li>paash/ bwung</li> </ol>
1 jaangI 2 jaangI 3 jåång 4 " 5 jaangI 6 "	1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang// filefil	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung 5 paash/ bwung 6 "</pre>
1 jaangI 2 jaangI 3 jåång 4 " 5 jaangI 6 " 7 jåång/ jåsebwån	<pre>1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang// filefil 7 wukuk</pre>	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung 5 paash/ bwung 6 " 7 llet/ bwung</pre>
1 jaangI 2 jaangI 3 jåång 4 " 5 jaangI 6 " 7 jåång/ jåsebwån 8 jång	<pre>1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang// filefil 7 wukuk 8 jångijång</pre>	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung 5 paash/ bwung 6 " 7 llet/ bwung 8 wel/ llet</pre>
1 jaangI 2 jaangI 3 jåång 4 " 5 jaangI 6 " 7 jåång/ jåsebwån 8 jång 9 jåång	<pre>1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang// filefil 7 wukuk 8 jangijang 9 "</pre>	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung 5 paash/ bwung 6 " 7 llet/ bwung 8 wel/ llet 9 pwung</pre>
<pre>1 jaangI 2 jaangI 3 jåång 4 " 5 jaangI 6 " 7 jåång/ jåsebwån 8 jång 9 jåång 11 "</pre>	<pre>1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang// filefil 7 wukuk 8 jångijång 9 " 11 jångijeng</pre>	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung 5 paash/ bwung 6 " 7 llet/ bwung 8 wel/ llet 9 pwung 11 "</pre>
<ol> <li>jaangI</li> <li>jaangI</li> <li>jåång</li> <li>"</li> <li>jaangI</li> <li>"</li> <li>jåång/ jåsebwån</li> <li>jång</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> </ol>	<pre>1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang//    filefil 7 wukuk 8 jangijang 9 " 11 jangijeng 12 ffil</pre>	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung 5 paash/ bwung 6 " 7 llet/ bwung 8 wel/ llet 9 pwung 11 " 12 "</pre>
<ol> <li>jaangI</li> <li>jaangI</li> <li>jääng</li> <li>"</li> <li>jaangI</li> <li>"</li> <li>jääng/ jäsebwån</li> <li>jäng</li> <li>jääng</li> <li>jääng</li> <li>jääng</li> <li>jääng</li> <li>jääng</li> <li>jääng</li> </ol>	<pre>1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang//    filefil 7 wukuk 8 jangijang 9 " 11 jangijeng 12 ffil 13 ffil</pre>	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung 5 paash/ bwung 6 " 7 llet/ bwung 8 wel/ llet 9 pwung 11 " 12 " 13 "</pre>
<ol> <li>jaangI</li> <li>jaangI</li> <li>jåång</li> <li>"</li> <li>jaangI</li> <li>"</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> <li>jåång</li> <li>11 "</li> <li>håpwål</li> <li>13 jasapwal</li> <li>14 jasapwån</li> </ol>	<pre>1 firE 2 pagas 3 mmar 4 jangajang 5-6 jangejang//    filefil 7 wukuk 8 jångijång 9 " 11 jångijeng 12 ffil 13 ffil 14 jang</pre>	<pre>1 well// bwyngY 2 bwyng 3 bwung, bwong 4 bwung 5 paash/ bwung 6 " 7 llet/ bwung 8 wel/ llet 9 pwung 11 " 12 " 13 " 14 "</pre>

300incorrect	301near	302far
1 "not correct"	1 jithelajE	1 taawA
2 "	2 gagep	2 "
3 "	3 garep	3 thaaw
4 "	4 "	4 "
5 "	5 garep	5 taaw
6 "	6 "	6 "
7 "	7 jar-	7 "
8 "	8 11	8 "
9 mmwåål	9 jarap	9 toow
11 "	11 "	11 "
12 "	12 "	12 toowaw
13 "	13 wynykkyn	13 kukkulo
14 "	14 jarap/ kkan	14 toowaw
15 "	15 jarap	15 toow
16 mmwåan	16 jarap/ kkan	16 toowaw
17 "	17 "	17 "
303to flow	304to float	305to sink
1 thelE	1 ppethI	1 thoogA
2 sag	2 mamaar	2 tuubw
3 ser	3 ppes	3 mwėės
4 "	4 "	4 "
5 "	5 "	5 shawul
6 "	6 "	6 "
7 måån	7 ppej	7 <b>r</b> awun
8 gurugur	8 "	8 shawul
9 pwu	9 "	9 rawul// koko-lo
11 pwu	11 "	11 mmo
12 pwu	12 "	12 rowul
13 pwu	13 pijaas	13 kkok, kok
14 pwu	14 ppej	14 mmo
15 fatal	15 1	15 mmo
15 fatal 16 pwu	15 U 16 pijaas	15 mmo 16 kkok/ koko-nů

306..to drown 307..to squeeze 308..to wring it 1 thoogA 1 fijefijA 1 wengyty 2 wongyty 2 mabw 2 fijengi 3 malomw. malamw 3 fiingi 3 wungthy 11 4 malomw 4 4 wungthi 5 maabw/ malowm 5 wunguti 5 fijengi 6 manomw 6 11 6 11 7 moobw 7 fijefi 7 wongoti \*\* 8 mabw 8 8 fejingi 11 9 mopw/ molemw 9 fijafi 9 10 mopw (adults) 11 fijefi 11 wonguti molomw (children)12 tt 12 wunguti Ħ 11-12 mopw 13 wunguti 13 11 13 lomw 14 14 wongoti 14 tusijas 11 15 wongotej 15 15 malomw 11 16 womwuti 16 tt 16-17 mopw 17 17 wunguti 309..to pound food 310..food-pounder 311..to string 1 thyythY 1 jathythyythY1 faatA 2 faar 2 faat 2 syys 11 3 3 fåål 3 faath 4 faal 4 4 suus 5 fajysyys 5 faat 5 syys 11 tt 6 6 6 fawysyys 7 11 7 fajylippwo 7 ppwo 8 jugyyg 8 ppwo 8 fiif 9 fajynippwo 9 faat 9 wykyyk 11 ffaat 11 ppwo 11 ppwo 11 11 Ħ 12 12 12 13 11 11 13 13 11 11 14 11 14 t1 14 11 丰档 15 15 fawynyppwo 15 11 16 16 wusyys 16 ppwo 11 11 11 17 17 17

-	312twist it	313to braid	314to plait
·	1 fingitegI	1 fiilA	1 fathyfethY
	2 fingifing	2 figeg	2 fasyfes
	3 féngféng	3 fereg	3 fasėfas
	4 fengfeng	4 fereg	4 !!
	5 jåpili	5 firėg	5 fajyfėjy
	6 11	6 "	6 fawyfewy
	7 "	7 ppil	7 fajifaji
	8 fittij	8 11	8 faji
	9 j <b>årå</b> åpini	9 firåk	9 fajifaji
-	11 ja <b>r</b> apini	11 firek	11 fawufawu
	12 "	12 "	12 fawy
	13 "	13 feres	13 fewyfewy
-	14 "	14 firek	14 "
	15 lakarapini	15 firåk	15 fewy
	16 ja <b>rá</b> pini	16 fiires	16 fewu
	io jarapini		
	17 j <b>år</b> apinni	17 "	17 "
•	* *	17 " 316to help, to	17 "
•	17 j <b>år</b> apinni		17 "
•	17 j <b>år</b> apinni 315to weave	316to help, to	17 " help him
•	17 jårapinni 315to weave 1 tėėlY	316to help, to 1 tapatapA	17 " help him *
•	17 jårapinni 315to weave 1 tėėlY 2 tėttėg	316to help, to 1 tapatapA 2 tapatap	17 " help him * *
•	<ul> <li>17 jårapinni</li> <li>315to weave</li> <li>1 téél¥</li> <li>2 téttég</li> <li>3 théér</li> </ul>	316to help, to 1 tapatapA 2 tapatap 3 *	17 " help him * * tipyngi
•	<pre>17 jårapinni 315to weave 1 tėėlY 2 tėttėg 3 thėėr 4 "</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 *</pre>	17 " help him * * tipyngi tipungi
•	<pre>17 jårapinni 315to weave 1 tėėl¥ 2 tėttėg 3 thėėr 4 " 5 tėėrU</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 *</pre>	17 " help him * * tipyngi tipungi tipangi
•	<pre>17 jårapinni 315to weave 1 tėėlY 2 tėttėg 3 thėėr 4 " 5 tėėrU 6 "</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 * 6 *</pre>	17 " help him * * tipyngi tipungi tipangi tipangi
•	<pre>17 jårapinni 315to weave 1 tėėl¥ 2 tėttėg 3 thėėr 4 " 5 tėėrU 6 " 7 tėėr</pre>	316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 * 6 * 7 *	17 " help him * * tipyngi tipungi tipangi tipangi tipangi//řijáli
	<pre>17 jårapinni 315to weave 1 tėėlY 2 tėttėg 3 thėėr 4 " 5 tėėrU 6 " 7 tėėr 8 "</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 * 6 * 7 * 8</pre>	17 " help him * * tipyngi tipungi tipungi tipangi tipangi tipangi//řijáli jacuuda/ shěěli
	<pre>17 jårapinni 315to weave 1 tėėlY 2 tėttėg 3 thėėr 4 " 5 tėėrU 6 " 7 tėėr 8 " 9 "</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 * 6 * 7 * 8 9 jålillih</pre>	17 " help him * * tipyngi tipungi tipungi tipangi tipangi tipangi//řijáli jacuuda/ shėėli jálihi
	<pre>17 jårapinni 315to weave 1 tėėl¥ 2 tėttėg 3 thėėr 4 " 5 tėėrU 6 " 7 tėėr 8 " 9 " 11 "</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 * 6 * 7 * 8 9 jilillih 11 "</pre>	<pre>17 " help him * * * tipyngi tipungi tipangi tipangi tipangi//rijali jacuuda/ shėėli jalihi "</pre>
	<pre>17 jårapinni 315to weave 1 téėl¥ 2 tėttėg 3 thėėr 4 " 5 tėėrU 6 " 7 tėėr 8 " 9 " 11 " 12 "</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 * 6 * 7 * 8 9 jålillih 11 " 12 jalillihi</pre>	<pre>17 " help him * * * tipyngi tipungi tipangi tipangi tipangi//rijali jacuuda/ shėėli jalihi " jalihi</pre>
	<pre>17 jårapinni 315to weave 1 tėėlY 2 tėttėg 3 thėėr 4 " 5 tėėrU 6 " 7 tėėr 8 " 9 " 11 " 12 " 13 -</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 * 6 * 7 * 8 9 jålillih 11 " 12 jalillihi 13 jålillis</pre>	<pre>17 " help him  *  *  *  tipyngi  tipungi  tipangi  tipangi  tipangi//rijali  jacuuda/ shėėli  jalihi  " jalihi jalihi</pre>
	<pre>17 jårapinni 315to weave 1 tėėl¥ 2 tėttėg 3 thėėr 4 " 5 tėėrU 6 " 7 tėėr 8 " 9 " 11 " 12 " 13 - 14 -</pre>	<pre>316to help, to 1 tapatapA 2 tapatap 3 * 4 * 5 * 6 * 7 * 8 9 jålillih 11 " 12 jalillihi 13 jålillis 14 jållek</pre>	17 " help him * * * tipyngi tipungi tipangi tipangi tipangi tipangi//rijali jacuuda/ shėėli jalihi " jalihi jaliki jaleki

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317	7to pi	it, to put	dow	7n 318	3to open	it 31	9to close
1	jitar0	jitet-tiw		1	thuugi	1	tiijA
2	jitar	jitet-tig		2	suugi	2	piresi
3	jital	jiteth-thi		3	syygy	3	pilta
4	jital	jiteth-thi		4	suugu	4	piltå
5	jisel	jiset-tiw		5	suugi	5	tiij
6	jisel	jiseli-tiw		6	**	6	11
7	ngal	ngat-tiw		7	11	7	tii-lo
8	jisel	jiseli-tiw		8	t.N		
9	jihel	jihet-tiw		9	huuki	9	japungaa-10
11	11	2 2 2		11	huuki	11	jappyngyw
12	11	jihet-tyw		12	11	12	japyngy
13	jisel	jiset-tyw		13	wuusi	13	japyngy
14	11	11		14	suuki	14	japyngyw
15	**	jiset-tew		15	sookej	15	11
16	jisen	jiset-tiw		16	suuki	16	jappyngy
17	11	11		17	11	17	Ħ
32(	)mat		321	loi	in-cloth	322.	.sarong (Carolinian
1							type lava-lava)
•	soobwA		1	taalA	Ą	1 w	type lava-lava) erija
	soobwA coobw			taal# máci;			type lava-lava) erija epp
					j	2 ј	erija
2	coobw		2	máci	j	2 j 3 g	erija epp
2 3 4	coobw coobw	j	2 3 4	máci; gapal	j L	2 j 3 g 4	erija epp apalapal
2 3 4	coobw coobw "	j	2 3 4	måcij gapal "	j L	2 j 3 g 4 5	erija epp apalapal "
2 3 4 5 6	coobw coobw " gijagi;	j	2 3 4 5	máci; gapal " gapal	j L Lapal	2 j 3 g 4 5	erija epp apalapal " "
2 3 4 5 6	coobw coobw " gijagi; "	j	2 3 4 5 6	máci; gapa] " gapa] "	j L Lapal	2 j 3 g 4 5 6	erija epp apalapal " "
2 3 4 5 6 7	coobw coobw " gijagi; "	j	2 3 4 5 6 7	máci; gapa] " gapa] "	j L Lapal Låpål	2 j 3 g 4 5 6	erija epp apalapal " " ėėr
2 3 4 5 6 7	coobw coobw " gijagi; gijægi		2 3 4 5 6 7	máci; gapa] " gapa] " jápá]	j L Lapal Låpål	2 j 3 g 4 5 6 7 t 9 t	erija epp apalapal " " ėėr
2 3 4 5 6 7 9	coobw coobw " gijagi; gij@gi håki		2 3 4 5 6 7 9	máci; gapa] " gapa] jápá] jápá]	j lapal låpål l	2 j 3 g 4 5 6 7 t 9 t 11 j	erija epp apalapal " " ėėr ėėr
2 3 4 5 6 7 9 11	coobw coobw " gijagi; gijegi håki heki	_	2 3 4 5 6 7 9 11	máci; gapa] " gapa] jápá] jápá]	j L Lapal Låpål L	2 j 3 g 4 5 6 7 t 9 t 11 j 12 j	erija epp apalapal " " ėėr ėėr apålåpål
2 3 4 5 6 7 9 11 12 13	coobw coobw " gijagi; " gij@gi håki heki "	/ siisi	2 3 4 5 6 7 9 11 12 13	máci; gapa] " gapa] " jápá] jápá] jápa] " jápa]	j L Lapal Låpål L ttitå i	2 j 3 g 4 5 6 7 t 9 t 11 j 12 j 13 j	erija epp apalapal " " ėėr ėėr apålåpål atyyty
2 3 4 5 6 7 9 11 12 13 14	coobw coobw " gijagi; gij@gi håki heki " kijeki,	/ siisi j	2 3 4 5 6 7 9 11 12 13 14	máci; gapa] " gapa] jápá] jápá] jápa] jáfit	j lapal låpål l ttitå i awar	2 j 3 g 4 5 6 7 t 9 t 11 j 12 j 13 j 14 j	erija epp apalapal " " ėėr apålåpål atyyty accėk/ lopwolopw
2 3 4 5 6 7 9 11 12 13 14 15	coobw coobw " gijagi; gijegi håki heki " kijeki, kijeky;	/ siisi j	2 3 4 5 6 7 9 11 12 13 14 15	máci; gapa] " gapa] jápá] jápá] jápa] jápa] jáfit riirj	j lapal låpål l ttitå i awar ytå	2 j 3 g 4 5 6 7 t 9 t 11 j 12 j 13 j 14 j	erija epp apalapal " " ėėr apålåpål atyyty accėk/ lopwolopw apelepel
2 3 4 5 6 7 9 11 12 13 14 15	coobw coobw " gijagi; gijegi håki heki " kijeki, kijeky; kijeke;	/ siisi j j	2 3 4 5 6 7 9 11 12 13 14 15 16	máci; gapa] " gapa] jápá] jápá] jápa] jáfi riirj jasha fityy	j L Lapal Låpål L ttitå i awar ytå var	2 j 3 g 4 5 6 7 t 9 t 11 j 12 j 13 j 14 j 15 j 16 k	erija epp apalapal " " ėėr ėėr apålåpål atyyty accėk/ lopwolopw apelepel acawar

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1       pėlyngA       1       garogaro       1       tejiteji teejithi         2       pėgyng       2       gorogor       2       "       teejis         3       cøølafac       3       gologol       3       thitth       teeji         4       cøølafac       4       "       4       "       "       "         5       gannur       5       "       5       teete       "       "       "         5       gannur       5       "       6       "	323	3hat	324	l.sennit	325	5sew, s	ew it
3 c¢¢lafac 3 gologol 3 thith teeji 4 c¢¢lafac 4 " 4 ", " 5 gannur 5 " 5 teete " 6 parypar 6 " 6 " " 7 rċċlifaar 7 jolool 7 " " 8 " " 9 parymem 9 " 9 " " 11 paar 11 " 11 " " 12 jakkaw/ paar 12 " 12 " " 13 jakkaw 13 lyyl 13 " " 14 " 14 " 14 " " 15 " 15 " 15 " " 16 " 16 nyyn 16 " "	1	pelyngA	1	garogaro	1	tejiteji	teejithi
4 c\$\u03c9\$lafac       4 "       4 ", "       "         5 gannur       5 "       5 teete       "         6 parypar       6 "       6 "       "         7 reelifaar       7 jolool       7 "       "         9 parymem       9 "       9 "       "       "         11 paar       11 "       11 "       "       "         12 jakkaw/ paar       12 "       "       "       "         13 jakkaw       13 lyyl       13 "       "       "         15 "       15 "       15 "       "       "         16 "       16 nyyn       16 "       "       "         17 "       17 "       17 "       "       "	2	pėgyng	2	gorogor	2	11	teejis
5       gannur       5       "       5       teete       "         6       parypar       6       "       6       "       "         7       réélifaar       7       jólóól       7       "       "         9       parymem       9       "       9       "       "         9       parymem       9       "       9       "       "         11       paar       11       "       11       "       "         12       jakkaw/ paar       12       "       12       "       "         13       jakkaw       13       lyyl       13       "       "         14       "       14       "       14       "       "         15       "       15       "       15       "       "         17       "       17       "       17       "       "       "	3	cøølafac	3	gologol	3	thitth	teeji
6       parypar       6       "       6       "       "         7       rċċėlifaar       7       jólööl       7       "       "         9       parymem       9       "       9       "       "         11       paar       11       "       11       "       "         12       jakkaw/ paar       12       "       12       "       "         13       jakkaw       13       lyyl       13       "       "         14       "       14       "       14       "       "         15       "       15       "       15       "       "         17       "       17       "       17       "       "	4	cøølafac	4	11	4	11 -	11
7       řéčlifaař       7       jólóči       7       "       "         9       parymem       9       "       9       "       "         11       paar       11       "       "       "       "         12       jakkaw/ paar       12       "       "       "       "         13       jakkaw       13       lyyl       13       "       "         14       "       14       "       14       "       "         15       "       15       "       15       "       "         16       "       16       "       "       "       "       "         17       "       17       "       17       "       "       "	5	gannur	5	TT	5	teete	11. 1
8 "       "         9 parymem       9 "       9 "       "         11 paar       11 "       11 "       "         12 jakkaw/ paar       12 "       12 "       "         13 jakkaw       13 lyyl       13 "       "         14 "       14 "       "       "         15 "       15 "       "       "         16 "       16 nyyn       16 "       "         17 "       17 "       17 "       "	6	parypar	6	11	6	**	tt
9parymem9"""11paar11"11""12jakkaw/ paar12"12""13jakkaw13lyy113""14"14"14""15"15"15""16"16nyyn16""17"17"17""	7	rėėlifaar	7	jolool	7	11	* *
11 paar       11 "       11 "       "         12 jakkaw/ paar       12 "       12 "       "         13 jakkaw       13 lyyl       13 "       "         14 "       14 "       14 "       "         15 "       15 "       "       "         16 "       16 nyyn       16 "       "         17 "       17 "       17 "       "					8	<b>†</b> ¥	tt
12 jakkaw/ paar       12 "       12 "       "         13 jakkaw       13 lyyl       13 "       "         14 "       14 "       "       "         15 "       15 "       "       "         16 "       16 nyyn       16 "       "         17 "       17 "       17 "       "	9	parymem	9	**	9	11	11
13 jakkaw13 lyyl13 ""14 "14 "14 ""15 "15 "15 ""16 "16 nyyn16 ""17 "17 "17 ""	11	paar	11	<b>† P</b>	11	117	11
14       14       14       "         15       15       15       "         15       15       "       15       "         16       16       16       "       "         17       17       17       "       17       "	12	jakkaw/ paar	12	11	12	<b>††</b>	11
15       15       15       1       1         16       16       16       1       1         17       17       17       17       17       1	13	jakkaw	13	lyyl	13	11	tt
16     16     nyn     16     n       17     17     17     n	14	<b>† †</b>	14	11	14	**	11
17" 17" 17" "	15	11	15	11	15	11	11
	16	11	16	nyyn	16	11	11
326clothing 327head garland 328rotten	17	11	17	††	17	11	**
	320	6clothing	327	7head garland		328r	otten
1 wyyfA 1 mwaalE 1 bwa	1	wyyfA	1	mwaalE		1 bwa	
2 wyyf 2 mweeg, mwaag 2 "	2	wyyf	2	mweeg, mwaag		2 "	
3 mangaag 3 mwaar 3 m	3	mangaag	3	mwaar		3 "	
4 " 4 "	4	<b>tt</b>	4	<b>TT</b>		4 "	
5 mangaag0 5 mwaramwar 5 bwa/ mash	5	mangaag0	5	mwaramwar		5 bwa	/ mash
6 <sup>11</sup> 6 <sup>11</sup>	6	tt	6	17		6 "	
7 mangaag 7 mwaar 7 mar	7	mangaag	7	mwaar		7  mar	
8 mongoog	8	mongoog					

9 mangaak (native)	9	mwaar	9	mar
jyyf (modern)	11	<u>†</u>	11	kirow
11-12 wyyf	12	77 7	12	11
13 "	13	mwaramwar	13	kurow
14 jawus	14	t1	14	kurow
15 "	15	jakilet	15	11 1
16 wyyf	16	mwaramwar	16	kirow
17 "	17	mwaramwar,mwåramwår	17	nngaw

. . .

329	smelly	330	Ofragrant	331	beautiful (scenery)
1	lowA	1	bwowytigitig	1	mmag0
2	bwewy	2	je mmóg bwéwyr		tajiféw
3	ppwó	3	je mommaje bwoongas		mommaje
4	ppwo	4	11		mommaje
5	pwoongaw	5	pwoongas		gacc
6	11		ngas	6	11°
7	ppwo	7		7	11
			-	•	
9	maR	9	pwoongah	9	lling
11	11	11	pwoongah/ pwookkus	11	Ħ.
12	11	12	pwoongaha/ pwookus	12	11
13	11	13	pwookkus	13	? <del>?</del>
14	11	14	pwookash/ pwėėwu	14	lingash
15	11	15	pwééwy	15	lingac
16	11	16	pwookkus	16	nning/ ningėc
17	11	17	11		ningéc
332	2beautiful (woman)			pl	ant (general term)
		1	mwageregerE		
1	(woman)	1	mwageregerE mwagereger 1		term) werY
1 2	(woman) mmagO	1	mwageregerE 1 mwagereger 2 :	wary	term) werY g
1 2	(woman) mmagO tajif <b>éw</b>	1 2	mwageregerE mwagereger 2 : 3 : 4	wary fato	term) werY g
1 2 3	(woman) mmagO tajif <b>ew</b> gamwathijethi	1 2 5	mwageregerE mwagereger 2 3 metemetal 5	wary fato waly	term) werY g
1 2 3 4	(woman) mmagO tajifėw gamwathijethi "	1 2 5 6	mwageregerE mwagereger 2 3 metemetal 5 6	wary fato waly "	term) werY g
1 2 3 4 5	(woman) mmagO tajifėw gamwathijethi " kamwatijeti	1 2 5	mwageregerE mwagereger 1 m 2 m 3 m 1 metemetal 5	wary fato waly "	term) werY g
1 2 3 4 5 6	(woman) mmagO tajifėw gamwathijethi " kamwatijeti "	1 2 5 6 7	mwageregerE mwagereger 2: 3 metemetal metemetal mwagelegel 7	wary fato waly " "	term) werY g wel
1 2 3 4 5 6	(woman) mmagO tajifėw gamwathijethi " kamwatijeti "	1 2 5 6 7 9	mwageregerE mwagereger 2 3 metemetal metemetal mwagelegel 7 mwakelekel 9	wary fato waly " " " wal	term) werY g
1 2 3 4 5 6 7	(woman) mmagO tajifėw gamwathijethi " kamwatijeti " gacc	1 2 5 6 7 9 10	mwageregerE mwagereger 2 3 metemetal 4 metemetal 5 mwagelegel 7 mwakelekel 9 " 11	wary fato waly " " " " wal	term) werY g wel
1 2 3 4 5 6 7 9	(woman) mmagO tajifėw gamwathijethi " kamwatijeti " gacc lijekac	1 2 5 6 7 9 10 11	mwageregerE mwagereger 2 3 metemetal metemetal mwagelegel 7 mwakelekel 9 " 11 12 "	wary fato waly " " " wal	term) werY g wel
1 2 3 4 5 6 7 9 11	(woman) mmagO tajifėw gamwathijethi " kamwatijeti " gacc lijekac lijaac	1 2 5 6 7 9 10	<pre>mwageregerE mwagereger 1 mwagereger 2 3 metemetal metemetal f mwagelegel 7 mwakelekel 9 " 11 " 12 " 13 "</pre>	wary fato waly " " wal " u pete	term) werY g wel wel
1 2 4 5 6 7 9 11 12	<pre>(woman) mmag0 tajifew gamwathijethi " kamwatijeti " gacc lijekac lijaac lijewetik</pre>	1 2 5 6 7 9 10 11 12 13	mwageregerE       1         mwagereger       2         2       3         metemetal       4         metemetal       5         mwagelegel       6         "       11         "       12         "       13         "       14	wary fato waly " " wal " pete vali	term) werY g wel wel
1 2 3 4 5 6 7 9 11 12 13	<pre>(woman) mmag0 tajifėw gamwathijethi " kamwatijeti " gacc lijekac lijaac lijewetik lijėmwėrynnė</pre>	1 2 5 6 7 10 11 12 13 14	mwageregerE       1         mwagereger       2         2       3         metemetal       4         metemetal       6         mwagelegel       7         mwakelekel       9         "       11         "       12         "       13         "       14         "       15	wary fato waly " " wal " " yete vali	term) werY g wel wel
1 2 3 4 5 6 7 9 11 12 13 14 15	<pre>(woman) mmagO tajifėw gamwathijethi " kamwatijeti " gacc lijekac lijaac lijewetik lijėmwėrynnė lijaash</pre>	1 2 5 6 7 9 10 11 12 13 14 15	<pre>mwageregerE mwagereger 1 mwagereger 2 3 metemetal metemetal f mwagelegel 7 mwakelekel 9 " 11 " 12 " 13 " 14 " 15 jamwara 16 </pre>	wary fato waly " " wal " yete " pete	term) werY g wel wel wel wen
1 2 3 4 5 6 7 9 11 12 13 14 15 16	<pre>(woman) mmag0 tajifėw gamwathijethi " kamwatijeti " gacc lijekac lijaac lijewetik lijėmwėrynnė lijaash lijaac</pre>	1 2 5 6 7 10 11 12 13 14	<pre>mwageregerE mwagereger 1 mwagereger 2 3 metemetal metemetal f mwagelegel 7 mwakelekel 9 " 11 " 12 " 13 " 14 " 15 jamwara 16 </pre>	wary fato waly " " wal " " yete vali	term) werY g wel wel wel wen

336..mud 337..soil 335..to plant it 1 bweerY 1 masaloppwirI 1 fatogi 11 2 2 bwitbwit 2 mecog/ bweer 3 mocor 3 fathagy 3 bwool 4 fathagi 4 11 4 11 5 fåtogi 5 meshar05 bweel 11 Ħ 11 6 6 6 7 fotėgi 7 ppwen 7 ppwen 9 mėror 9 fotyki 9 pweel 11 fotoki 11 pwakak/ meror 11 ppwel 12 fotėki 12 meror 12 ppwel 13 pweterek 13 pwura 13 ppwil 14 meshor 14 foteki 14 pwell 15 " 15 11 15 mėcor 16 fotuki 16 pwakak 16 ppwyn - 11 11 17 17 fatuki 17 338. garden 339..branch, tree-branch 340..thorn 1 maatA maatari 1 la, laari sirigetI 1 sii -ri

2 maat 2 ra, raari ciriget 2 cii -r Ħ 3 milaaj 3 raa.raal ira 3 11 11 11 4 4 ŧŧ 4 5 maat 5 raa, raali walywel 5 mwėlag -al 11 Ħ 11 6 6 6 faal felal 7 . " 7 råå, råån irå 7 faal falyl . H 11 9 jatake 9 falyw -an 9 10 mmåll 11 Ħ 11 10 falyfal -yn 11 jatake 12 Ħ 11 11 ffal falyn 11 Ħ 12-13 Ħ 13 12-13 faal -yn 11 14 14 pal, palan waliwel 14 \* felin 11 15 råå, råån irå 15 15 ffel felin

> 16 pan, panan ira 11

11

17

16 ffen fenyn

17 ffen fenyn

16

17

11

11

341	ltree	342	2trunk	343	3stick
1	sirigetI	1	saapI	1	jilajE
2	ciriget	2	* gagar	2	tebweriga
3	jiri	3	* gagal	3	sogosog
4	11	4	* gagal	4	11
5	walywel	5	gaga gagal	5	jirå
6	11	6	tt	6	**
7	jirå	7	bwoobw -un	7	ŧŧ
			raap rapil		
9	jirå			9	11
11	jirå		ja?a ja?aan	11	wook
12	11	10	3	12	11
13	11	11	Ŷ	13	F.F.
14	weliwel, waliwel	12	pwoopw -un	14	ti
15	jirå	13-	-14 "	15	**
16	11	15	-	16	72
17	11	16	pwoopw -un	17	11
		17	¥†		

344..seed 345..flower 346..leaf 1 fatogA 1 bwyyngY -yri 1 saawY -yri 2 bwigir 2 bwyyng -yr 2 wyyn wynni 3 fathag 3 -3 cøø cøøl 4 tt 11 4 ---4 5 fajyl (walywėl) 5 \* pėėl 5 shee sheel 6 fawyl (walywel) 6 ... " 6 tt 7 fajyn (irå) 7 11 7 řėė ŕėėl 8 shee sheel 9 pwikil 9 pėė pėėn 9 řėė rėėn 10 pwykil 10 \* pėėn 11 11 11 pwikil 11 11-12 12 11 12-13 kipwil 13 \*\* 11 13 14 pwukil 14 11 14 shee sheen 15 pwukel 15 11 15 cėė cėėn 16 féwyn(irå) tt 16 11 16 17 fėwyn (irå) 17 \*\* 17 11:

347root	348fruit	349grass
1 walagA -ari	1 wuwa	1 fatirI
2 wagag -ar	2 "	2 fatir
3 wagar -al	3 "	3 fathel
4 wegar $-a1//$	4 <sup>11</sup>	4 fåthil
werag -al	5 "	5 bwugor
5-6 wégar -al	6 "	6 "
7 waar -an	7 "	7 fåtil
9 waar -an	9 "	9 <sup>M<sup>e</sup></sup>
11 "	11 faawy	11 fetil
12 waaraar waaran	12 "	12 "
13 waar waaran	13 fééwy	13 fetil
14 waarar waaran	14 wuwa	14 fetil
15 waar waaran	15 kytir	15 fetil
16 "	16 fewy	16 fetin
17 waar waaren	17 "	17 "
350dirty	351dust	352rubbish, garbage
1 ppwerY	1 galaat $Y$	1 peethI
2 ppwerY	2 ppwerY	2 pees
3 ppwul, ppwėl	3 jewo	3 "
4 ppwėl	4 · · **	4 "
5 <sup>III</sup>	5 bwurók	5 pees/ sėlaapej
6 "	6 "	6 pees
7 "	7 "	7 peej
9 "	9 pejah	9 peej
11 "	11 topw	11 "
12 ppwel	12 "	12 "
13 ppwil	13 topw,topw	13 pii
14 ppwel	14 topw	14 peej
15 ppwel	15 topw	15 "
16 ppwyn	16 "	16 🔤
10 pp#JH		

353..pebble 354..rock 355. sand 1 fathymagA 1 faathY fathyri 1 piijA pijeri 2 fasymwag 2 faas fasyri 2 piij pijer 3 fasamag 3 fåås fåsel 3 ppi pijil Ħ 4 fasamwag 4 4 pii pijil 5 fajymwag 5 ppi pijil 5 faajy fajyl 11 6 fawymwag 6 faawy fawyl 6 7 fajimwo 7 faaj fajyn 7 piij pijen fajil 8 faj ¢, 9 fajymwo 9 faaj fajyn 9 ppij ppijan 11 fawumwo 11 faaw fawyn 10 ppi ppijan 12 fajimwo 12 faaj fajyn 11 ppi ppijen 13 fewymwo 13 faawy fewyn 12-13 ppi ppijan 14 11 14 faaw fewyn 14 11 11 15 15 faawy fawyn 15 Ħ 16 11 16 faaw fewyn 16 ppi ppijen 11 11 11 17 17 17 356..mountain 357 .. road 358..river 1 thuugU -uri 1 jaarA 1 sarygilithI 2 suug -ur 2 jaarE 2 waaw 3 tajiit 3 jaal 3 melåålyl 11 tt 4 4 4 mėloolul Ħ 5 shuug -ul 5 5 melawylyyl 11 6 11 6 jaan 6 7 mylėėlul/ ralabwu 7 ruug -ul 7 jaan 8 jaal 9 " 9 ruuk -un 9 pwuupwu 11 11 11 jaal 10 -12 !! 12 jaal 11 pwuupwu 11 11 11 13 13 12 14 shuuk -un 14 11 13 11 15 cuuk -un 15 11 14 11 11 16 16 jaan 15 11 11 17 11 17 16-17 11

359lagoon	260	hamber 36	valley
772••rag0011			••vailey
1 ramwomatawA		1	
2 -			romorong
3 laamw -ol	÷		milėėlow
4 "	3 la	4	-
5 laamw0 -ol	4 ),"	5	lipit
6 11	5-6	6	**
7 löömw –öl	7 ta	wur 7	mwajiråg
9 nóómw -on	9 mw	oor 9	m • • 1
9 1100mw -011 11 nöömw -on		-	mool
		aw 11	leemool "
12 noomw namwan,	13 "	12	
13 nỏỏmw —un 14 "	13 "	17	**
		17	
15 nỏỏmw -ỏn 16 nỏỏmw -ỏn			mool
	10		mmwot .
17 noomw -un	17 "	17	neewmon
362channel	363deep	364	4shallow
362channel 1 taawA	363deep 1 torang		4shallow petE
		0 1	
1 taawA	1 torang	20 1 2	petE
1 taawA 2 pase <b>c</b>	1 torang 2 tt0	20 1 2	petE pet
1 taawA 2 pasec 3 thaaw	1 torang 2 tt0 3 joth	20 1 2 3 4	petE pet peth
1 taawA 2 pasec 3 thaaw 4 "	1 torang 2 ttO 3 joth 4 "	20 1 2 3 4 5	petE pet peth "
1 taawA 2 pasec 3 thaaw 4 " 5 taaw	1 torang 2 tt0 3 joth 4 " 5 tt0	20 1 2 3 4 5 6	petE pet peth " bwat
1 taawA 2 pasec 3 thaaw 4 " 5 taaw 6 "	1 torang 2 tt0 3 joth 4 " 5 tt0 6 "	20 1 2 3 4 5 6	petE pet peth " bwat bwat
1 taawA 2 pasec 3 thaaw 4 " 5 taaw 6 "	1 torang 2 tt0 3 joth 4 " 5 tt0 6 "	20 1 2 3 4 5 6	petE pet peth " bwat bwat
1 taawA 2 pasec 3 thaaw 4 " 5 taaw 6 " 7 tawur	1 torang 2 tt0 3 joth 4 " 5 tt0 6 " 7 lėlloo	20 1 2 3 4 5 6 1 7	petE pet peth " bwat bwat ppet
1 taawA 2 pasec 3 thaaw 4 " 5 taaw 6 " 7 tawur 9 towur	1 torang 2 tt0 3 joth 4 " 5 tt0 6 " 7 lėlloo 9 "	20 1 2 3 4 5 6 1 7 9	petE pet peth " bwat bwat ppet
1 taawA 2 pasec 3 thaaw 4 " 5 taaw 6 " 7 tawur 9 towur 11 towur	1 torang 2 tt0 3 joth 4 " 5 tt0 6 " 7 lėlloo 9 " 11 "	20 1 2 3 4 5 6 1 7 9 11	petE pet peth " bwat bwat ppet
<pre>1 taawA 2 pasec 3 thaaw 4 " 5 taaw 6 " 7 tawur 9 towur 11 towur 12 towur</pre>	1 torang 2 tt0 3 joth 4 " 5 tt0 6 " 7 lėlloo 9 " 11 " 12 "	20 1 2 3 4 5 6 1 7 9 11 12	petE pet peth " bwat bwat ppet "
<ol> <li>taawA</li> <li>pasec</li> <li>thaaw</li> <li>"</li> <li>taaw</li> <li>"</li> <li>taaw</li> <li>"</li> <li>towur</li> <li>towur</li> <li>towur</li> <li>saraata</li> </ol>	1 torang 2 tt0 3 joth 4 " 5 tt0 6 " 7 lėlloo 9 " 11 " 12 " 13 "	20 1 2 3 4 5 6 1 7 9 11 12 13 14	petE pet peth " bwat bwat ppet "
<pre>1 taawA 2 pasec 3 thaaw 4 " 5 taaw 6 " 7 tawur 9 towur 11 towur 12 towur 13 saraata 14 -</pre>	<pre>1 torang 2 tt0 3 joth 4 " 5 tt0 6 " 7 lėlloo 9 " 11 " 12 " 13 " 14 lėl</pre>	20 1 2 3 4 5 6 1 7 9 11 12 13 14 1 15	petE pet peth " bwat bwat ppet " "
<pre>1 taawA 2 pasec 3 thaaw 4 " 5 taaw 6 " 7 tawur 9 towur 11 towur 12 towur 13 saraata 14 - 15 saraata</pre>	<pre>1 torang 2 tt0 3 joth 4 " 5 tt0 6 " 7 lėlloo 9 " 11 " 12 " 13 " 14 lėl 15 lėlloo </pre>	20 1 2 3 4 5 6 1 7 9 11 12 13 14 1 15 .on 16	petE pet peth " bwat bwat ppet " " "

365high tide	366low tide	367wave
1 bwuul0	1 mmatA	1 raaw0
2 ségyrap	2 cingicing	2 raaw
3 bwuur	3 mmath	3 laaw
4 "	4 "	4 laaw
5 "	5 bwaat	5 100
6 "	6 "	6 "
7 "	7 mmat	7 <sup>m</sup>
		8 "
9 pwuur	9 "	9 n <b>öö</b>
11 kkyn	11 <sup>nr</sup>	11 "
12 "	12 **	12 "
13 "	13 "	13 "
14 pwuur	14 "	14 "
15 "	15 mmat// keteket	15 "
16 kyyn	16 mmat// kkot	16 "
17 "	17 "	17 "

368..outside

369..island

370..land

1	ryygY	1	faryjA	1	gajirangA
2	ryyg	2	tagaw	2	faryg
3	lyyg	3	faly	3	tottol
4	luug	4	falu, fulu	4	**
5	luug	5	fåluwA	5	'island'
6	11	6	falu	6	11
7	11	7	falyw	7	bwugos
		8	faliw		
9	lyyk	9	fanyw	9	'island'
11	11	11	11	11	**
12	"	12	tt	12	**
13	11	13	11	13	11
14	H	14	fenyw	14	11
15	11	15	11	15	11
16	nyyk	16	11	16	11
17	tt	17	feny	17	11

371reef	372coral	373earth (not
1 woosA -eri	1 maalY	heaven)
2 gooc -or	2 rangit	1 faryherijalemat
3 jooc -el	3 langath	2 farygyrjagamat
4 "	4 "	3 fajileng
5 woosh -al	5 –	4 "
6 "	6 –	5 salop
7 woor -al	7 'reef'	6 "
		7 falyfal
9 woor -ån	9 -	9 likihanop
11 woor -en	11 jåål	11 leehon
12 woor -an	12 <sup>m</sup>	12 hanyfaan
13 woor -an	13 "	13 fényfaan
14 woosh -an	14 **	14 "
15 wooc -ėn	15 fawyrypw -yn	15 "
16 wooc -en	16 jaan	16 <sup>pp</sup>
17 "	17 "	17 "
374north	375south	376. east
374north	375south	376east
1 jijefangI	1 jijewylY	1 gėė́-tiw0
1 jijefangI 2 "	1 jijėwylY 2 jijėwyg	1 gėė́-tiw0 2 jiryg
1 jijefangI 2 " 3 jiifang	1 jijėwyl¥ 2 jijėwyg 3 jiijor	1 gėė́-tiw0 2 jiryg 3 metaral, metarral
1 jijefangI 2 " 3 jiifang 4 "	1 jijėwyl¥ 2 jijėwyg 3 jiijor 4 "	1 gėė́-tiw0 2 jiryg 3 metaral, metarral 4 meteråål
1 jijefangI 2 " 3 jiifang 4 " 5 "	1 jijėwyl¥ 2 jijėwyg 3 jiijor 4 " 5 jijėėr	1 gėė́-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw
1 jijefangI 2 " 3 jiifang 4 " 5 " 6 "	1 jijėwyl¥ 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr	1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 "
1 jijefangI 2 " 3 jiifang 4 " 5 "	1 jijėwyl¥ 2 jijėwyg 3 jiijor 4 " 5 jijėėr	1 gėė́-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw
1 jijefangI 2 " 3 jiifang 4 " 5 " 6 " 7 jefang	1 jijėwyl¥ 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr 7 jėėr	1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 " 7 jėė-tiw
1 jijefangI 2 " 3 jiifang 4 " 5 " 6 " 7 jefang 9 jefång	1 jijėwyl¥ 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr 7 jėėr 9 "	1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 " 7 jėė-tiw 9 "
1 jijefangI 2 " 3 jiifang 4 " 5 " 6 " 7 jefang 9 jefång 11 jåfeng	<pre>1 jijėwylY 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr 7 jėėr 9 " 11 "</pre>	1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 " 7 jėė-tiw 9 " 11 "
1 jijefangI 2 " 3 jiifang 4 " 5 " 6 " 7 jefang 9 jefång 11 jåfeng 12 "	<pre>1 jijėwylY 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr 7 jėėr 9 " 11 " 12 "</pre>	1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 " 7 jėė-tiw 9 " 11 " 12 "
<pre>1 jijefangI 2 " 3 jiifang 4 " 5 " 6 " 7 jefang 9 jefång 11 jåfeng 12 " 13 jefen</pre>	<pre>1 jijėwylY 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr 7 jėėr 9 " 11 " 12 " 13 "</pre>	<pre>1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 " 7 jėė-tiw 9 " 11 " 12 " 13 "</pre>
<pre>1 jijefangI 2 " 3 jiifang 4 " 5 " 6 " 7 jefang 9 jefång 11 jåfeng 12 " 13 jefen 14 jefeng</pre>	<pre>1 jijėwylY 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr 7 jėėr 9 " 11 " 12 " 13 " 14 "</pre>	<pre>1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 " 7 jėė-tiw 9 " 11 " 12 " 13 " 14 wėė-tiw</pre>
<pre>1 jijefangI 2 " 3 jiifang 4 " 5 " 6 " 7 jefang 9 jefång 11 jåfeng 12 " 13 jefen 14 jefeng 15 "</pre>	<pre>1 jijėwylY 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr 7 jėėr 9 " 11 " 12 " 13 " 14 " 15 "</pre>	<pre>1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 " 7 jėė-tiw 9 " 11 " 12 " 13 " 14 wėė-tiw 15 jėė-tyw</pre>
<pre>1 jijefangI 2 " 3 jiifang 4 " 5 " 6 " 7 jefang 9 jefång 11 jåfeng 12 " 13 jefen 14 jefeng</pre>	<pre>1 jijėwylY 2 jijėwyg 3 jiijor 4 " 5 jijėėr 6 jijėwyr 7 jėėr 9 " 11 " 12 " 13 " 14 " 15 "</pre>	<pre>1 gėė-tiw0 2 jiryg 3 metaral, metarral 4 meteråål 5 göö-tuw 6 " 7 jėė-tiw 9 " 11 " 12 " 13 " 14 wėė-tiw</pre>

377	7west	378	3moon	379	9 <b></b> sky
1	jirotowA	1	malamA	1	raangI
2	11	2	magam	2	jewygaar
3	maal-thow	3	maram	3	
4	11	4	11	4	"
5	jilitow	5	11	5	laangI
6	11	6	11	6	"
7	leetow	7	meram	7	låång
9	lotowu	9	maram	9	11
11	11	11	meram	11	11
12	11	12	maram	12	**
13	11	13	11	13	11
14	181	14	11	14	tt:
15	11	15	11	15	17
16	notowu	16	11	16	nåång
17	11	17	11	17	"
38(	)sun	381	star	382	2cloud
38( 1	)sun jaar0	381 1	lstar fiithI		2cloud gosowU
			fiithI	1	
1	jaar0	1	fiithI	1	gosowU gocow
1 2	jaar0 jaar	1 2	fiithI fiis	1 2	gosowU gocow
1 2 3	jaar0 jaar jaal	1 2 3	fiithI fiis "	1 2 3 4	gosowU gocow tharami
1 2 3 4	jaarO jaar jaal "	1 2 3 4	fiithl fiis "	1 2 3 4 5	gosowU gocow tharami "
1 2 3 4 5	jaarO jaar jaal "	1 2 3 4 5	fiithI fiis " " fyys "	1 2 3 4 5 6	gosowU gocow tharami " langimaal
1 2 3 4 5 6	jaarO jaar jaal "	1 2 3 4 5 6	fiithI fiis " " fyys "	1 2 3 4 5 6 7	gosowU gocow tharami " langimaal mannylėng
1 2 3 4 5 6 7	jaar0 jaar jaal " " " jålet	1 2 3 4 5 6 7	fiithI fiis " fyys " fyy	1 2 3 4 5 6 7	gosowU gocow tharami " langimaal mannylėng toobw
1 2 4 5 6 7	jaarO jaar jaal " " " jålet	1 2 4 5 6 7	fiithI fiis " " fyys " fyy	1 2 4 5 6 7 9	gosowU gocow tharami " langimaal mannylėng toobw worow
1 2 3 4 5 6 7 9 11 12	jaarO jaar jaal " " jålet jålet	1 2 4 5 6 7 9	fiithI fiis " " fyys " fyy fyy	1 2 4 5 6 7 9 11 12	gosowU gocow tharami " langimaal mannylėng toobw worow
1 2 3 4 5 6 7 9 11 12 13	jaarO jaar jaal " " jålet jålet jålet	1 2 3 4 5 6 7 9 11 12	fiithI fiis " " fyys " fyy fyy	1 2 4 5 6 7 9 11 12 13	gosowU gocow tharami " langimaal mannylėng toobw worow " jarow
1 2 3 4 5 6 7 9 11 12 13 14	jaarO jaar jaal " " jålet jålet jålet jålet jakkar	1 2 4 5 6 7 9 11 12 13	fiithI fiis "" fyys " fyy fyy	1 2 4 5 6 7 9 11 12 13 14	gosowU gocow tharami " langimaal mannylėng toobw wořow " jařow kuřuw
1 2 3 4 5 6 7 9 11 12 13 14 15	jaarO jaar jaal " " jålet jålet jålet jålet jakkar jakkar	1 2 3 4 5 6 7 9 11 12 13 14	fiithI fiis """ fyys "" fyy "" "" "" "	1 2 4 5 6 7 9 11 12 13 14 15	gosowU gocow tharami " langimaal mannylėng toobw wořow " jařow kuřuw woshow

381	3lightning	384	4thunder	38	5rain
1	marupE	1	paalA	1	wyytA
2	fisijer	2	paag	2	wyyt
3	ffis	3	parr	3	pėtog// wuuth
4	**	4	parr	4	pétóg// juuth
5	wėrėwėr	5	pacc	5	goshow
6	11	6	ppac	6	11
7	werewer	7	pacc	7	worow
9	måruweruw	9	manyyng	9	låång
11	meruweruw	11	11	11	11
12	fiifi	12	11	12	wyyt
13	11	13	$paa\dot{r}$	13	raan
14	11	14	soweluw	14	wyyt
15	11	15	copwulip	15	11
16	17	16	copwonap	16	wyyt// råån
17	11	17	copwunap	17	wuut/ / råån

386..dew 387..pillow 388..house 1 worolawY 1 wyryngA -eri 1 jiimwA -eri 2 worogaw 2 wyryng -er 2 jiimw -er 3 jororow 3 jilėėlong -ol 3 jiimw -el 11 4 4 11 11 4 -el 5 serello 5 jylyyl -yl 11 5 -el11 6-7 ffej, ffejylibwong 6 6 11 -el 7 11 7 11 -an 9 jamwurenipwong 8 -a1 11 11 11 jomwurenipwong 9 9 tŧ -an 12 jamwurenipwong// 11 pinnuw pinnuun// 11 11 -en sarello pilluw pilluun 12 11 -en 13 jamwurenipwin 12 pynnyw pynnuun 13 tt -en 14 jamwurenipwong 13 pilluw pilluun 11 14 -en 15 mwijac 14 wylyyl -yn 15 11 -en 15 11 16 jomwurenipwin 16 11 -en 17 jamwurenipwin 16-17 pinnu pinnuun 11 17 -en

389roof, thatch	390	O door	rway	391house pillar
1 jaath0 -ori	1	gatar	nA	1 thyylA -eri
2 jaas0 -or	2	gatar	n	2 syyg -er
3 jaas -ol	3	11		3 syyr -el
4 "	4	11		4 suur -el
5 jaas0 j <b>å</b> sėl	5	getar	n	5 syyr syyrel
6 jaas0 j <b>a</b> sėl	6	11		6 "
7 jöös —ön	7	jasar	n	7 jyyr jyyran
9 jööh jahon	9	jahar	n	9 jyyr -ån
11 jooh —on	11	11		11 wyyr wyyren
12 h <b>ỏỏ -</b> n	12	11		12 "
13 j <b>öö</b> s jasun	13	jasar	n	13 wyyr wyran
14 j <b>o</b> os jason	14	11		14 wyyr wyran
15 jöös —ön	15	11		15 wyyr wyran
16 jöös −un⁄ jöö −n	16	11		16 wyyr wyren
17 "	17	**		17 wyyr wyren
392ridge-pole	39	3pla	ank	394men's house (1-7)
392ridge-pole 1 wuungA			ank A -eri	community building
	1		A -eri	
1 wuungA 2 wuung 3 2	1	paap paap	A -eri	community building (8-17)
1 wuungA 2 wuung 3 <sup>ji</sup> 4 "	1 2 3 4	paap paap "	A -eri -er	community building (8-17) 1 faarE
1 wuungA 2 wuung 3 <sup>1</sup> 4 " 5 "	1 2 3 4 5	paap paap " "	A -eri -er -el	community building (8-17) 1 faarE 2 faar
1 wuungA 2 wuung 3 2" 4 " 5 " 6 "	1 2 3 4 5 6	paap paap " " "	A -eri -er -el -el -el -el	community building (8-17) 1 faarE 2 faar 3-4 faal
1 wuungA 2 wuung 3 <sup>1</sup> 4 " 5 "	1 2 3 4 5	paap paap " "	A -eri -er -el -el -el	community building (8-17) 1 faarE 2 faar 3-4 faal 5 "
1 wuungA 2 wuung 3 2" 4 " 5 " 6 "	1 2 3 4 5 6	paap paap " " "	A -eri -er -el -el -el -el	community building (8-17) 1 faarE 2 faar 3-4 faal 5 " 6 "
1 wuungA 2 wuung 3 <sup>1</sup> 4 " 5 " 6 " 7 "	1 2 4 5 6 7	paap paap " " " "	A -eri -er -el -el -el -el -el	community building (8-17) 1 faarE 2 faar 3-4 faal 5 " 6 " 7 wutt
1 wuungA 2 wuung 3 !" 4 " 5 " 6 " 7 " 9 "	1 2 3 4 5 6 7 9	paap paap " " " " " "	A -eri -er -el -el -el -el -al -ån	<pre>community building (8-17) 1 faarE 2 faar 3-4 faal 5 " 6 " 7 wutt 9 wutt</pre>
1 wuungA 2 wuung 3 2 <sup>15</sup> 4 " 5 " 6 " 7 " 9 " 11 <sup>11</sup>	1 2 4 5 6 7 9 11	paap paap " " " " " "	A -eri -er -el -el -el -el -al -ån paapen	<pre>community building (8-17) 1 faarE 2 faar 3-4 faal 5 " 6 " 7 wutt 9 wutt 11 "</pre>
1 wuungA 2 wuung 3 ½ <sup>6</sup> 4 ′′ 5 ′′ <sup>7</sup> 6 ′′ <sup>7</sup> 7 ′′ 9 ′′ <sup>7</sup> 11 № 12 ′′	1 2 4 5 6 7 9 11	paap/ paap " " " " " " " " "	A -eri -er -el -el -el -el -el -al -an paapen pappan	<pre>community building (8-17) 1 faarE 2 faar 3-4 faal 5 " 6 " 7 wutt 9 wutt 11 " 12 "</pre>
1 wuungA 2 wuung 3 ℓ <sup>†</sup> 4 " 5 " 6 " 7 " 9 " 11 <sup>™</sup> 12 " 13 " 14 " 15 "	1 2 3 4 5 6 7 9 11 12 13 14 15	paap/ paap " " " " " " " " "	A -eri -er -el -el -el -el -al -an pappan -an	<pre>community building (8-17) 1 faarE 2 faar 3-4 faal 5 " 6 " 7 wutt 9 wutt 11 " 12 " 13 wuut</pre>
1 wuungA 2 wuung 3 !" 4 " 5 " 6 " 7 " 9 " 11 " 12 " 13 " 14 "	1 2 3 4 5 6 7 9 11 12 13 14	paap/ paap " " " " " " " " " " "	A -eri -er -el -el -el -el -al -ån paapen pappan -an -an	community building (8-17) 1 faarE 2 faar 3-4 faal 5 " 6 " 7 wutt 9 wutt 11 " 12 " 13 wuut 14 "

395menstrual hou	se 396name	397chief
1 jiperY	1 jiitA	1 tamwoorU -uri
2 jimwerip <b>ė</b> r	2 jiit	2 tamwoor -ur
3 påål	3 jiith	3 tamwool -ul
4 "	4 "	4 tamwool -ul
5 jimwetteeng//	5 "	5" tamwonn
jimwelipėl	6 "	6 " tamwonn
6 jimwelip <b>e</b> l	7 <sup>m</sup>	7 samwoon -in
7 jimweligit	8 "	
9 jimwenikåt	9 "	9 hamwool -un
10 jimwoppwut	11 "	11 hamwool -un
11 jimwenikat//	122 "	12 " –un
jimw <b>o</b> ppwut	13 "	13 samwool -un
12 jimweppwut	14 "	14 somwool -un
13-14 -	15 "	15 samwool -un
15 jimwas <b>o</b> n	16 "	16 samwoon -un
16 jimweppwut	17 "	17 samwoon -un, -en
17 jimwenn <b>o</b> nykyn		
398taboo	399church	400soul
1 taabwU	1 k <del>l</del> esija	1 ngėė́rY
2 taabw	2 jikereesija	2 ngėėr
3 "	3 galesija	3 ngėėl
4 "	4 "	4 "
5 "	5 "	5 "
6 "	6 jimwelimejipil	6 "
7 piin	7 jimwanipin	7 "
8 "		8 111
9 "	9 jimwanifaal	9 ngẻẻn
11 "	11 jimwenipin	11 "
12 "	12 fåål	12 <sup>m</sup>
13 roong	13 "	13 "
14 ffel	14 "	14 "
15 pwaawy	15 feel	15 "
16 pwaaw	16 fåån	16 "
17 piin	17 jimwenipin	17 "

401 ghost, god	402shadow	403image, doll
1 jarythY	1 jawyngA	1 rijosO
2 jarus	2 nyyg/ jawung	2 rijos
3 j <b>å</b> lys	3 jööng	3 lijos
4 j <b>i</b> lus	4 "	4 "
5 "	5 nnyyr	5 "
6 "	6 "	6 "
7 j <b>i</b> alu	7 llyyr	7 nijoss
	8 llyr	
9 jaany	9 "	9 lijoss
11 jany	11 "	11 lijoss
12 "	12 ngyyn	12 "
13 "	13 "	13 "
14 "	14 likanyyny	14 "
15 "	15 nnyr	15 "
16 soope	16 ngyyn	16 nijoss
17 jėny	17 ngyyn	17 nijoss
404a tattoo	405a grave	406animal
404a tattoo 1 maakE	405a grave 1 pejijA// riibwA	
	-	
1 maakE	1 pejijA// ŕiibwA	A 1 maar¥
1 maakE 2 mååk	1 pejijA// riibwA 2 riibw	A 1 maar¥ 2 maar
1 maakE 2 mååk 3 makk	1 pejijA// riibwA 2 riibw 3 pejij	A 1 maar¥ 2 maar 3 måål
1 maakE 2 mååk 3 makk 4 måkk	1 pejijA// riibwA 2 riibw 3 pejij 4 pejij	A 1 maar¥ 2 maar 3 måål 4 måål
1 maakE 2 mååk 3 makk 4 måkk 5 måkk	1 pejijA// řiibwA 2 riibw 3 pejij 4 pejij 5 pejij	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI
1 maakE 2 mååk 3 makk 4 måkk 5 måkk	1 pejijA// riibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 pijij	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 "
1 maakE 2 mååk 3 makk 4 måkk 5 måkk 6 måkk	1 pejijA// riibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 pijij	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 "
1 maakE 2 mååk 3 makk 4 måkk 5 måkk 6 måkk	1 pejijA// riibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 påjij 7 påjij	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 " 7 maan
1 maakE 2 mååk 3 makk 4 måkk 5 måkk 6 måkk 9 måkk 11 mmakk	1 pejijA// řiibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 påjij 7 påjij 9 påjij	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 " 7 maan 9 maan
<ol> <li>maakE</li> <li>mååk</li> <li>makk</li> <li>måkk</li> <li>måkk</li> <li>måkk</li> <li>måkk</li> <li>makk</li> <li>makk</li> <li>makk</li> <li>makk</li> <li>mmakk</li> <li>mmakk</li> <li>mmakk</li> <li>mmakk</li> </ol>	1 pejijA// řiibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 påjij 7 påjij 9 påjij 11 pejij	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 " 7 maan 9 maan 11 "
1 maakE 2 mååk 3 makk 4 måkk 5 måkk 6 måkk 9 måkk 11 mmakk 12 makk	<pre>1 pejijA// riibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 pijij 7 pijij 9 pijij 11 pejij 12 pejij</pre>	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 " 7 maan 9 maan 11 " 12 "
<ol> <li>maakE</li> <li>mååk</li> <li>makk</li> <li>måkk</li> <li>måkk</li> <li>måkk</li> <li>måkk</li> <li>makk</li> <li>makk</li> <li>makk</li> <li>makk</li> <li>mmakk</li> <li>mmakk</li> <li>mmakk</li> <li>mmakk</li> </ol>	<pre>1 pejijA// riibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 pajij 7 pajij 9 pajij 11 pejij 12 pejij 13 pejijas</pre>	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 " 7 maan 9 maan 11 " 12 " 13 "
<ol> <li>maakE</li> <li>mååk</li> <li>makk</li> <li>måkk</li> <li>måkk</li> <li>måkk</li> <li>måkk</li> <li>makk</li> <li>11 mmakk</li> <li>12 makk</li> <li>12 makk</li> <li>13 mmakk</li> <li>14 mmakk</li> <li>15 mmakk</li> </ol>	<pre>1 pejijA// riibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 pajij 7 pajij 9 pajij 11 pejij 12 pejij 13 pejijas 14 "</pre>	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 " 7 maan 9 maan 11 " 12 " 13 "
<ol> <li>maakE</li> <li>mååk</li> <li>makk</li> <li>måkk</li> <li>måkk</li> <li>måkk</li> <li>måkk</li> <li>makk</li> <li>mmakk</li> </ol>	<pre>1 pejijA// riibwA 2 riibw 3 pejij 4 pejij 5 pejij 6 pijij 7 pijij 9 pijij 11 pejij 12 pejij 13 pejijas 14 " 15 "</pre>	A 1 maar¥ 2 maar 3 måål 4 måål 5 maalI 6 " 7 maan 9 maan 11 " 12 " 13 " 14 "

407bird	408egg 40	9tail
1 'animal'	1 sagaj 1	paasA
2 'animal'/maryjej		2 paac
3-4 'animal'/	3 fåthi 3	-
måålijejål	4 " 4	L 17
5-6 'animal'/	5 sygynn 5	gashijesh
månnylang	6 sygyll 6	- •
7 'animal'	7 sagoll 7	jārijār
	8 sagoll	
9 'animal'	9 hakull 9	lukujaal
manyn leemal	11 hokull 11	-
11-12 manhyyhy	12 " 12	* wykyn// * lykyhaal
13 mansyysy		wyyk
14 "	14 sokkull 14	11
15 "	15 " 15	; ••
16 maccang	16 sokunn 16	nisommwut
17 "	17 " 17	· 11
410nest	411to hatch (int.)	412hatch (tr.)
1 gafatA	1 gattawa	1 sawosawo
2 gafat	2 "	2 coco
3 "	3 towa	3 јорр
4 "	4 "	4 "
5 ffåt	5 jattewa	5 jattewa
6 "	6 "	6 "
7 faas	7 jåssewa	7 jåssewa
9 faah	9 pwuupwu	9 wonopi
11 jelifah/ fah	11 "	11 "
12 faha	12 "	12 wonopar
13 faas	13 jawetin	13 jawonopi
14-15 "	14 jammék	14 pwor
16 "	15 jamaryp	15 wonopej
17 faas, fåås	16-17 jammėk// jėmmėk	16 wonepe
		17 wonoppi

413food	414to cook	415to boil
(classifier)	1 kuukU/ gamėėtA	1 gawalE
1-2 gar-	2 gaaw/ gamėė́t	2 gabwec
3 gal-	3 gemath	3 gawar
4 "	4 "	4 "
5 gėl-	5 gamėėt	5 bwug
6 "	6 "	6 "
7 j <b>ål</b> -	7 jåmmoot	7 "
8 11		
9 jån-	9 jommoot	9 jåwåcc
11 "	11 jamėė́t	11 jawac <b>c</b>
12 jan-	12 jamm <b>o</b> ot	12 "
13 "	13 kuuk	13 jamoota
14 "	14 jammoot	14 japwesh
15 "	15 "	15 japwic
16 jen-	16 jajipweet	16 jepwic
17 -	17 kuuk	17 jepwic
416cooking house	417plate, bowl	418meat
416cooking house 1 mwarumwU	417plate, bowl 1 tagagY	418meat 1 fitig0
-	<u> </u>	
1 mwarumwU	1 tagagY	1 fitig0
1 mwarumwU 2 mwurumw	1 tagagY 2 tapijE	1 fitig0 2 fitigU
1 mwarumwU 2 mwurumw 3 mwulumw	1 tagagY 2 tapijE 3 tåpi	1 fitig0 2 fitigU 3 fethėg
1 mwarumwU 2 mwurumw 3 mwulumw 4 "	1 tagagY 2 tapijE 3 tåpi 4 "	1 fitig0 2 fitigU 3 fethėg 4 "
1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw	1 tagagY 2 tapijE 3 tåpi 4 " 5 tåpij	1 fitig0 2 fitigU 3 fethėg 4 " 5 fityg
1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 "	1 tagagY 2 tapijE 3 tåpi 4 " 5 tåpij 6 tåpi	1 fitig0 2 fitigU 3 fethėg 4 " 5 fityg 6 "
1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 "	1 tagagY 2 tapijE 3 tåpi 4 " 5 tåpij 6 tåpi 7 såpi	1 fitig0 2 fitigU 3 fethėg 4 " 5 fityg 6 "
1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 " 7 "	1 tagagY 2 tapijE 3 tåpi 4 " 5 tåpij 6 tåpi 7 såpi 8 sepi	1 fitig0 2 fitigU 3 fethėg 4 " 5 fityg 6 " 7 fitug
1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 " 7 " 9 mėhėraaw	1 tagagY 2 tapijE 3 tåpi 4 " 5 tåpij 6 tåpi 7 såpi 8 sepi 9 håpi	1 fitig0 2 fitigU 3 fethég 4 " 5 fityg 6 " 7 fitug 9 fitik0
<pre>1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 " 7 " 9 mėhėraaw 11 hamwėrow</pre>	1 tagagY 2 tapijE 3 tåpi 4 " 5 tåpij 6 tåpi 7 såpi 8 sepi 9 håpi 11 hepi	1 fitig0 2 fitigU 3 fethėg 4 " 5 fityg 6 " 7 fitug 9 fitik0 10 fytyk
<pre>1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 " 7 " 9 mėhėraaw 11 hamwėrow 12 hamwėro</pre>	1 tagagY 2 tapijE 3 tåpi 4 " 5 tåpij 6 tåpi 7 såpi 8 sepi 9 håpi 11 hepi 12 "	<ol> <li>fitig0</li> <li>fitigU</li> <li>fethėg</li> <li>"</li> <li>fityg</li> <li>"</li> <li>fitug</li> <li>fituk0</li> <li>fytyk</li> <li>fituk</li> </ol>
<pre>1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 " 7 " 9 mėhėraaw 11 hamwėrow 12 hamwėro 13 jimwan kuuk</pre>	1 tagagY 2 tapijE 3 tåpi 4 " 5 tåpij 6 tåpi 7 såpi 8 sepi 9 håpi 11 hepi 12 " 13 sepi	<ol> <li>fitig0</li> <li>fitigU</li> <li>fethėg</li> <li>fethyg</li> <li>fityg</li> <li>"</li> <li>fitug</li> <li>fituk</li> <li>futuk</li> <li>futuk</li> </ol>
<pre>1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 " 7 " 9 mėhėraaw 11 hamwėrow 12 hamwėro 13 jimwan kuuk 14 falang</pre>	<pre>1 tagagY 2 tapijE 3 tapi 4 " 5 tapij 6 tapi 7 sapi 8 sepi 9 hapi 11 hepi 12 " 13 sepi 14 sapi</pre>	<pre>1 fitig0 2 fitigU 3 fethég 4 " 5 fityg 6 " 7 fitug 9 fitik0 10 fytyk 11 fituk 12 futuk 13 fytyk</pre>
<pre>1 mwarumwU 2 mwurumw 3 mwulumw 4 " 5 mwaluumw 6 " 7 " 9 mėhėraaw 11 hamwėrow 12 hamwėro 13 jimwan kuuk 14 falang 15 mwosėro</pre>	<pre>1 tagagY 2 tapijE 3 tapi 4 " 5 tapij 6 tapi 7 sapi 8 sepi 9 hapi 11 hepi 12 " 13 sepi 14 sapi 15 sapej</pre>	<pre>1 fitig0 2 fitigU 3 fethėg 4 " 5 fityg 6 " 7 fitug 9 fitik0 10 fytyk 11 fituk 12 futuk 13 fytyk 14 futuk</pre>

419fat	420to smoke (fish)	421earth oven
1 giriis	1 fangifeng $I//$	1 wuumw
2 kiriis	${\tt thytthyr}{\tt Y}$	2 0
3-4 kiriis,	2 fang	3 "
giriis	3 fangfeng	4 "
5 kiriis	4 "	5 "
6 "	5 fangfeng	6 "
7 "	6 "	7 "
	7 fång	
9 mwatiika		9 "
11 jiwi	9 "	11 "
12 kiriis	11 jappwe $\dot{\mathbf{r}}$	12 "
13 "	12 pajikang	13 "
14 kyriis	13 kapwir	14 "
15 "	14 jappwesh	15 "
16 kiriis	15-16 jappwec	16 "
17 "	17 pajikkang	17 "
422coconut milk	423coconut grater (stand type)	424ccconut husking stick
1 jaléngY	1 wejigengI	1 tajith
2 jėngėg	2 perig	2 jawyfer
3 jaréng	3 wathangeg	3 gooth
4 "	4 "	4 <sup>117</sup>
5 jåreng	5 wajikeng	5 goot
6 "	6 wajikang	6 "
7 jåryng	7 bwajikar	7 "
9 jaryng	9 pwajik <b>å</b> r	9 wokun oot
10 "	11 pwejiker	11 pakynyfål
11 "	12 "	12 wotomar
12 "	13 "	13 wotaro
13 "	14 "	14 jangat
14 "	15 "	wokun otoot
15 "	16 "	15 jangat
16 "	17 "	16 wcot
	17 "	17 woot 17 wook/ woot

42	5coconut syrup	42	6to	ld,	y (f	ermented	) 43	27toddy (sweet)
1	<b>riis</b> 0	1	gasi,	/	gasin	nwaanE		1 gasi
2	<b>riic</b> 0	2	gaci,	/	gacin	nwann		2 gaci
3	lyyc	3	falu	ıp.	wa			3 gaciimam
4	luuc	4	11:				4	4 gaciimem
5	nuush	5	fålu	ıb	wa		1	5 gashiimemm
6	lyysh	6	11				(	5 "
7	luur	7	11				,	7 j <b>år</b> iimamm
9	liir	9	jåri,	/ :	falu	ıpwa	0	9 j <b>år</b> iimåm
10	lyyŕ	11	**				1	l jå <b>r</b> iimem
11	jařiluuř	12	falu	ıp	wa		12	2 jarimem
12	jannipwar	13	11				1:	3 ja <b>r</b> ingar
13	malaasoos	14	jashi	i.			14	4 jaci
14	unity.	15	jaci				1	5 jaciingar
15	malaases	16	jåci				1(	6 jaciijar
16	– 17 jaci	17	11				15	7 jaciingar
428	8ship		2	42	9 <b></b> ca	anoe	43(	Ooutrigger boom
1	wafaryjA			1	wa	waari	1	gijaw0
2	wafaryg			2	wa	waar	2	gijo
3	bwaarko			3	waa	waal	3	gyj <b>o</b>
4	11			4	11	11	4	guj <b>o</b>
5	wafalyw			5	11	11	5	gijo
6	11			6	11	71	6	11
7	wafalyw			7	waa	wåån	7	11
9	siipw siipwan			9	11	"	9	kijo
	siip */ * heejin			1	11	11	11	11
12	siipw siipwen/ *	hee	ejin 1	2	11	11	12	11
	siipw siipwan		1	3	11	**	13	11
	siip siippan		1	4	11	11	14	kyj <b>o</b>
15	11			5	**	**	15	sija
16	siip siippwen		1	6	11	11	16	sija
	siip siipwen		1	0			10	2794

431outrigger float	432paddle	433mast
1 taamA -ari	1 fatyrA	1 gawythY -yri
2 taam -ar	2 fatyr	2 gawys -yr
3 thaam -al	3 fåthel	3 goos -el
4 " -al	4 "	4 goos -ėl
5 taamA tem <b>i</b> l	5 fåtyl	5 gajys —il
6 " "	6 "	6 gawys —il
7 taam tem <b>i</b> n	7 "	7 jajy -yn
9 taam tem <b>å</b> n	9 fatyl	9 isivvn
11 taam tamen	11 "	9 jajy -yn 11 jawy -yn
12 taam taman	12 "	11 jawy <b>-</b> yn 12 "
13 " "	13 "	13 "
14 " "	14 fetil	14 "
15 " "	15 fatel	15 "
16 " tamen	16 fetyn	16 "
17 " "	17 fetyn	17 "
		• •
434bailer	435conch-shell trumpet	436sail
1 ryymA -eri	-	1 wyyjA
2 riim -er	1 tawi tawiiri	2 wyyg
3 liim -en	2 tawi tawijer	3 јууј
4 liim -en	3 tawi	4 juuj
5 gėmmat	4 "	5 jyyw
6 gemmat	5 "	6 wyyw
7 jammat	6 "	7 jyyw
9 niim -en// jammat		9 jamara
11 nuum -en// jammat	; 11 "	11 "
12 nuum -en	12 "	12 "
13 nuum -an	13 sawi sawiin	13 "
14 "	14 "	14 "
15 "	15 "	15 "
16 nuum -en	16 sewi sewiin	16 "
17 "	17 "	17 "

437fish	438to fish	439dorsal fin
1 jiigA -eri	1 thaji-rag0/ fita	1 jiingI
2 jiig -er	2 saji-rog/ fita	2 "
3-4 jiig -il	3 fitå	3 jiing
5-6 jiig -al	4 fitå	4 "
7 jiig —an	5 fita	5 "
	6 11	6 "
9 jiik jikan jikinan	7 fita// neeset	7 "
11 jiik jiken jikenen	9 wajilė// lehet	9 jiing
12 jiik jiken	11 lehet/ wajilå	11 jiing/ peen
13 jiik -en	12 lehet	12 jiing
14 jiik jikan	13 jattaw	13 * jingin
jiken	14 jattaw	14 * jingin
15 jiik -en	15 leeset	15 jiing
16 jiik -en	16 "	16 jiin
17 jiik jikenen	17 "	17 jiin
440fish-hook	441fish-line	442fish-pole
1 gaawy	1 jaaw0	1 bwaawU
2 "	2 jaaw	2 bwaaw
3 gaaj	3 jaaw	3 bwaaw
4 "	4 "	4 "
5 gėė	5 j <b>ö</b> ö	5 "
6 gėė, kėė	6 "	6 "
7 kėė	7 "	7 "
8 gėė		
9 kėė	9 "	9 pwaaw
11 jėė	11 "	10 pwóów
12 wėė	12 "	11 pwaaw
13 wėė	13 "	12 pwoow
14 "	14 "	13 pwoow
15 jėė	15 "	14 pwoow
16 "	16 "	15 "
17 "	17 "	16
		17 "

443fish-bait	444fish-trap	445allophylus timorensis
1 ppa	1 bwejowu	ormor ensis
2 "	2 bwejowu	1 ngėėwy
3 paa	3 bwijoow	2 ngėėwy
4 "	4 "	3 ngooj
5 "	5 wuu	4 ""
6 "	6 "	5 ngėė
7 jamw <b>o</b> n	7 "	6 "
1	·	7 "
9 jómwón	9 "	9 nngė
11 jamw <b>o</b> n	11 "	10 ngėė
12 "	12 "	11-12 nngė
13 paa	13 "	13 ngėė
14 jammwon	14 "	14 nngė
15 jammwon	15 "	15 ngėė
16 j <b>o</b> mwon// paa	16 "	16 -
17 paa	17 "	17 -
446arrowroot	447bamboo	448banana
446arrowroot 1 mwėgymwėgY	447bamboo 1 paabwu	448banana 1 fathol/ wiisI
1 mwėgymwėgY	1 paabwu	1 fathol/ wiisI
1 mwėgymwėgY 2 mwėgymwėg	1 paabwu 2 "	1 fathol/ wiisI 2 wiic
1 mwėgymwėgY 2 mwėgymwėg 3 mwagmwóg	1 paabwu 2 " 3 bwobwaw	1 fathol/ wiisI 2 wiic 3 wuuc
1 mwėgymwėgY 2 mwėgymwėg 3 mwagmwóg 4 "	1 paabwu 2 " 3 bwobwaw 4 "	1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc
1 mwėgymwėgΥ 2 mwėgymwėg 3 mwagmwėg 4 " 5 mwogymwėg	1 paabwu 2 " 3 bwobwaw 4 " 5 bwaajy	1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> </ol>	1 paabwu 2 " 3 bwobwaw 4 " 5 bwaajy 6 bwaawy	1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 "
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> </ol>	1 paabwu 2 " 3 bwobwaw 4 " 5 bwaajy 6 bwaawy	1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 "
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> <li>mwagymwag</li> </ol>	1 paabwu 2 " 3 bwobwaw 4 " 5 bwaajy 6 bwaawy 7 bwaaj	1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 " 7 wiir
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> <li>mwagymwąg</li> <li>mwagymwag</li> <li>mwakymwak</li> </ol>	1 paabwu 2 " 3 bwobwaw 4 " 5 bwaajy 6 bwaawy 7 bwaaj 9 pwaaj	1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 " 7 wiir 9 wuur
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> <li>mwagymwag</li> <li>mwakymwak</li> <li>1</li> </ol>	1 paabwu 2 " 3 bwobwaw 4 " 5 bwaajy 6 bwaawy 7 bwaaj 9 pwaaj 11 likippwaaw	1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 " 7 wiir 9 wuur 11 "
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> <li>mwagymwag</li> <li>mwakymwak</li> <li>"</li> <li>12 "</li> </ol>	<ol> <li>paabwu</li> <li>"</li> <li>bwobwaw</li> <li>"</li> <li>bwaajy</li> <li>bwaayy</li> <li>bwaaj</li> <li>pwaaj</li> <li>likippwaaw</li> <li>"</li> </ol>	1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 " 7 wiir 9 wuur 11 " 12 "
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> <li>mwagymwag</li> <li>mwakymwak</li> <li>1</li> <li>"</li> <li>12</li> <li>"</li> <li>13</li> </ol>	<ol> <li>paabwu</li> <li>"</li> <li>bwobwaw</li> <li>"</li> <li>bwaajy</li> <li>bwaayy</li> <li>bwaaj</li> <li>pwaaj</li> <li>likippwaaw</li> <li>"</li> <li>jiic</li> </ol>	<pre>1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 " 7 wiir 9 wuur 11 " 12 " 13 "</pre>
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> <li>mwagymwag</li> <li>mwakymwak</li> <li>"</li> </ol>	<pre>1 paabwu 2 " 3 bwobwaw 4 " 5 bwaajy 6 bwaawy 7 bwaaj 9 pwaaj 11 likippwaaw 12 " 13 jiic 14 jiish</pre>	<pre>1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 " 7 wiir 9 wuur 11 " 12 " 13 " 14 wuush</pre>
<ol> <li>mwėgymwėgY</li> <li>mwėgymwėg</li> <li>mwagmwog</li> <li>"</li> <li>mwogymwėg</li> <li>"</li> <li>mwagymwag</li> <li>mwakymwak</li> <li>"</li> </ol>	<pre>1 paabwu 2 " 3 bwobwaw 4 " 5 bwaajy 6 bwaawy 7 bwaaj 9 pwaaj 11 likippwaaw 12 " 13 jiic 14 jiish 15 jiic</pre>	<pre>1 fathol/ wiisI 2 wiic 3 wuuc 4 juuc 5 wiish 6 " 7 wiir 9 wuur 11 " 12 " 13 " 14 wuush 15 wuuc</pre>

449Barringtonia	450betel nut	451breadfruit
1 guurU	1 bwuuwA	1 maaj
2 guur	2 bwug	2 maaj
3 guul	3 bwu	3 mååj
4 "	4 bwu	4 mååj
5 "	5 bwuw	5 maaj
6 "	6 "	6 "
7 guun	7 bwu	7 mååj
		8 11
9 kuul	9 pwu	9 "
11 "	11 ppwu	11 "
12 "	12 "	12 "
13 "	13 "	13 maaj
14 "	14 "	14 mååj
15 "	15 "	15 mååj
16 kuun	16 "	16 maaj
17 "	17 "	17 "
452 Colorbyllum	153 condin	454 aloned and mum
452Calophyllum inophyllum	453cordia subcordata	454clerodendrum inerme
inophyllum	${\tt subcordata}$	inerme
inophyllum 1 -	subcordata 1 -	inerme 1 -
inophyllum 1 - 2 -	subcordata 1 - 2 -	inerme 1 - 2 -
inophyllum 1 - 2 - 3 rågec	subcordata 1 - 2 - 3 -	inerme 1 - 2 - 3 -
inophyllum 1 - 2 - 3 rágéc 4 rágéc	subcordata 1 - 2 - 3 - 4 -	inerme 1 - 2 - 3 - 4 -
inophyllum 1 - 2 - 3 rágec 4 rágec 5 -	subcordata 1 - 2 - 3 - 4 - 5 -	inerme 1 - 2 - 3 - 4 - 5 -
inophyllum 1 - 2 - 3 rågėc 4 rågėc 5 - 6 - 7 rågiř	subcordata 1 - 2 - 3 - 4 - 5 - 6 - 7 -	inerme 1 - 2 - 3 - 4 - 5 - 6 - 7 wulo
inophyllum 1 - 2 - 3 rágec 4 rágec 5 - 6 - 7 rágiř 9 rákiř	subcordata 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 jannė// jalyw	inerme 1 - 2 - 3 - 4 - 5 - 6 - 7 wuló 9 wuló
inophyllum 1 - 2 - 3 rågėc 4 rågėc 5 - 6 - 7 rågiř 9 råkiř 11 rekiř	subcordata 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 jannė// jalyw 11 jalyw	inerme 1 - 2 - 3 - 4 - 5 - 6 - 7 wulo 9 wulo 11 wulo
inophyllum 1 - 2 - 3 rågėc 4 rågėc 5 - 6 - 7 rågiř 9 råkiř 11 rekiř 12 rěkyř	subcordata 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 jannė// jalyw 11 jalyw 12 "	inerme 1 - 2 - 3 - 4 - 5 - 6 - 7 wulo 9 wulo 11 wulo 12 "
inophyllum 1 - 2 - 3 rágėc 4 rágėc 5 - 6 - 7 rágiř 9 rákiř 11 rekiř 12 rěkyř 13 rakyř	subcordata 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 jannė// jalyw 11 jalyw 12 " 13 jannė	inerme 1 - 2 - 3 - 4 - 5 - 6 - 7 wulo 9 wulo 11 wulo 12 " 13 japwer
inophyllum 1 - 2 - 3 rågėc 4 rågėc 5 - 6 - 7 rågiř 9 råkiř 11 rekiř 12 rěkyř 13 rakyř 14 rěkysh	subcordata 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 jannė// jalyw 11 jalyw 12 " 13 jannė 14 jalýw	inerme 1 - 2 - 3 - 4 - 5 - 6 - 7 wulo 9 wulo 11 wulo 12 " 13 japwer 14 -
inophyllum 1 - 2 - 3 rågėc 4 rågėc 5 - 6 - 7 rågiř 9 råkiř 11 rekiř 12 rěkyř 13 rakyř 14 rěkysh 15 rakyc	subcordata 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 jannė// jalyw 11 jalyw 12 " 13 jannė 14 jalyw 15 jalė	inerme 1 - 2 - 3 - 4 - 5 - 6 - 7 wulo 9 wulo 11 wulo 12 " 13 japwer 14 - 15 wulo
inophyllum 1 - 2 - 3 rågėc 4 rågėc 5 - 6 - 7 rågiř 9 råkiř 11 rekiř 12 rěkyř 13 rakyř 14 rěkysh	subcordata 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 jannė// jalyw 11 jalyw 12 " 13 jannė 14 jalýw	inerme 1 - 2 - 3 - 4 - 5 - 6 - 7 wulo 9 wulo 11 wulo 12 " 13 japwer 14 -

455hernandia sonor 5 - 6 -	a 456hibiscus tiliaceus 1 girifėwy 2 " 3 gylyfej 4 gilifej 5 gilifė	457lemon 1 gulugulU 2 gurugur 3 " 4 " 5 " 6 "
7 woran	6 gilifė 7 gilifė	7 lijimis// leemon// lėėmwul
9 wořal 11 wořál 12 wořal 13 jakyyrang 14 " 15 " 16 " 17 "	<pre>9 kilifė 11 " 12 meleew 13 sååpwow 14 kilifė 15 " 16 sinifė 17 "</pre>	9 lajimis/ lėėmwul 10 lajimis// loomwul 11 lajimis 12 " 13-14 " 15 16 najimis// siitor 17 najimis
458mango	459mangrove	460moss
1 mangka	1 gabwuurys	1 ruumwU
2 mangka 3 mangga 4 " 5 mangka 6 mangga 7 mangka	2 " 3 soong// målil 4 " 5 soong 6 " 7 meliin// řija	2 ruumw 3 luumw 4 " 5 " 6 " 7 "
3 mangga 4 " 5 mangka 6 mangga	2 " 3 soong// målil 4 " 5 soong 6 " 7 meliin// řija 9 řija 11 " 12 " 13 " 14 shiija	2 ruumw 3 luumw 4 " 5 " 6 "

461pandanus	462papaya	463pisonia grandis
1 faasA	1 bwabwaajA	1 mwėėgY
2 faac	2 bwabwaaj	2 mwoog
3 "	3 bwebwaaj	3 "
4 "	4 "	4 "
5 faashA	5 bwajibwaaj	5 mwėėg
6 "	6 bwebwaaj	6 "
7 faar	7 bwajibwaaj	7 "
9 faar	9 pwajipwaaj	9 mweek
11 faar	11 pwejipwaaj	11 "
12 "	12 "	12 "
13 "	13 kyppwaaw	13 "
14 faash	14 lipwuupwaaw	14 "
15 faac	15 momwejap	15 "
16 faac	16 pwiipwaaj	16 mwaak
17 faac	17 kippwaw	17 "
464plumeria	465polypodium	466 premna corymbosa
464plumeria 1 ja <del>l</del> i <del>l</del> aj	phymatodes	466 premna corymbosa 1 jaal0
_	phymatodes 1 sisi	
1 ja <del>l</del> i <del>l</del> aj	phymatodes	1 jaalO
1 ja <del>l</del> i <del>l</del> aj 2 moow	phymatodes 1 sisi 2 cici	1 jaalO 2 jaag
1 ja <del>l</del> i <del>l</del> aj 2 moow 3 sėėjyr	phymatodes 1 sisi 2 cici 3 " 4 "	1 jaal0 2 jaag 3 jaar
1 ja <del>l</del> ilaj 2 moow 3 sėėjyr 4 sėėjur	phymatodes 1 sisi 2 cici 3 "	1 jaal0 2 jaag 3 jaar 4 "
1 ja <del>l</del> ilaj 2 moow 3 sėėjyr 4 sėėjur 5 sėėwyr	phymatodes 1 sisi 2 cici 3 " 4 " 5 shishi	1 jaalO 2 jaag 3 jaar 4 " 5 jaarO
1 ja <del>l</del> ilaj 2 moow 3 sėėjyr 4 sėėjur 5 sėėwyr 6 "	phymatodes 1 sisi 2 cici 3 " 4 " 5 shishi 6 "	1 jaal0 2 jaag 3 jaar 4 " 5 jaar0 6 "
1 ja <del>l</del> ilaj 2 moow 3 sėėjyr 4 sėėjur 5 sėėwyr 6 " 7 "	phymatodes 1 sisi 2 cici 3 " 4 " 5 shishi 6 " 7 řiři	1 jaal0 2 jaag 3 jaar 4 " 5 jaar0 6 " 7 jöör
1 ja <del>l</del> ilaj 2 moow 3 sėėjyr 4 sėėjur 5 sėėwyr 6 " 7 " 9 jėėjyr	phymatodes 1 sisi 2 cici 3 " 4 " 5 shishi 6 " 7 řiři 9 "	1 jaal0 2 jaag 3 jaar 4 " 5 jaar0 6 " 7 jöör 9 "
1 ja <del>l</del> ilaj 2 moow 3 sėėjyr 4 sėėjur 5 sėėwyr 6 " 7 " 9 jėėjyr 11 jėėwyr	phymatodes 1 sisi 2 cici 3 " 4 " 5 shishi 6 " 7 řiři 9 " 11 "	1 jaal0 2 jaag 3 jaar 4 " 5 jaar0 6 " 7 jöör 9 " 11 "
<ol> <li>jalilaj</li> <li>moow</li> <li>seejyr</li> <li>seejur</li> <li>seewyr</li> <li>"</li> <li>jeejyr</li> <li>jeewyr</li> <li>seewyr</li> </ol>	phymatodes 1 sisi 2 cici 3 " 4 " 5 shishi 6 " 7 řiři 9 " 11 " 12 "	1 jaal0 2 jaag 3 jaar 4 " 5 jaar0 6 " 7 jöör 9 " 11 " 12 lijöör
<pre>1 ja±i±aj 2 moow 3 sėėjyr 4 sėėjur 5 sėėwyr 6 " 7 " 9 jėėjyr 11 jėėwyr 12 sėėwyr 13 seewyr</pre>	phymatodes 1 sisi 2 cici 3 " 4 " 5 shishi 6 " 7 řiři 9 " 11 " 12 " 13 "	1 jaal0 2 jaag 3 jaar 4 " 5 jaar0 6 " 7 jöör 9 " 11 " 12 lijöör 13 wumwukaw
<pre>1 ja±i±aj 2 moow 3 sėėjyr 4 sėėjur 5 sėėwyr 6 " 7 " 9 jėėjyr 11 jėėwyr 12 sėėwyr 13 seewyr 14 pumarija</pre>	phymatodes 1 sisi 2 cici 3 " 4 " 5 shishi 6 " 7 řiři 9 " 11 " 12 " 13 " 14 shishi	1 jaal0 2 jaag 3 jaar 4 " 5 jaar0 6 " 7 jöör 9 " 11 " 12 lijöör 13 wumvukaw 14 lijöör

467scaevola	468spider-lily	469sugar cane
1  nnatY	1 gijobwU	1 sukoo kejin
2 gamåg	2 "	2 sukoo kejin
3 llath	3 mwacyng	3 makil
4 "	4 mwacung	4 måkil
5 nnat	5 gijobw	5 woow
6 "	6 "	6 "
7 11	7 "	7 "
9 nnat	9 kijopw	9 woow
11 "	11 "	11 woow/ sapwyk
12 "	12 "	12 woow
13 "	13 siipw	13 "
14 nnėt	14 kyjopw	14 "
15 "	15 sijopw	15 "
16 "	16 sijopw	16 woow/ sapwyk
17 "	17 kijopw// siipw	17 woow
470cythosperma	471ipomea	472turmeric plant
470cythosperma 1 bwuragA	471ipomea 1 tumuso	472turmeric plant 1 galowA
	_	_
1 bwuragA	1 tumuso	1 galowA
1 bwuragA 2 bwurog	1 tumuso 2 tumuco	1 galowA 2 cawyrijong
1 bwuragA 2 bwurog 3 bwelog	1 tumuso 2 tumuco 3-4 kumėėti,	1 galowA 2 cawyrijong 3 gocol
1 bwuragA 2 bwurog 3 bwelog 4 "	1 tumuso 2 tumuco 3-4 kumėėti, gamooti	1 galowA 2 cawyrijong 3 gocol 4 "
1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag	1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig
1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag 6 "	1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig 6 "
1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag 6 "	1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti 7 komooti	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig 6 "
1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag 6 " 7 bwula	1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti 7 komooti 9 komuti,	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig 6 " 7 jafan
1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag 6 " 7 bwula 9 pwula	1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti 7 komooti 9 komuti, jomuti	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig 6 " 7 jafan 9 jafan
1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag 6 " 7 bwula 9 pwula 11 "	<pre>1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti 7 komooti 9 komuti, jomuti 11 kamu</pre>	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig 6 " 7 jåfan 9 jåfån 11 jafan
<pre>1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag 6 " 7 bwula 9 pwula 11 " 12 pwula</pre>	<pre>1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti 7 komooti 9 komuti, jomuti 11 kamu 12 komu, jamuuti</pre>	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig 6 " 7 jafan 9 jafan 11 jafan 12 "
1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag 6 " 7 bwula 9 pwula 11 " 12 pwula 13 "	<pre>1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti 7 komooti 9 komuti, jomuti 11 kamu 12 komu, jamuuti 13 kamu</pre>	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig 6 " 7 jafan 9 jafan 11 jafan 12 " 13 -
<pre>1 bwuragA 2 bwurog 3 bwelog 4 " 5 bwulag 6 " 7 bwula 9 pwula 11 " 12 pwula 13 " 14 "</pre>	<pre>1 tumuso 2 tumuco 3-4 kumėėti, gamooti 5-6 kamuuti 7 komooti 9 komuti, jomuti 11 kamu 12 komu, jamuuti 13 kamu 14 "</pre>	1 galowA 2 cawyrijong 3 gocol 4 " 5 jangoshig 6 " 7 jafan 9 jafan 11 jafan 12 " 13 - 14 jafen

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473..turmeric powder 474..breadfruit sap 475 coconut tree

1		1	bwyyrY	1	ryy
2	gaang	2	bwyyr	2	ryyg
3	raang	3	bwuul	3	lyy
4	11	4	11 1	4	luu
5	11	5	bwilis	5	lyy
6	121 E 1	6	tt.	6	*1
7	11	7	jappar	7	**
				8	1. <b>11</b>
9	tajik0	9	jappar	9	nyy
10	tåjik	11	11	11	11
11-	-12 tejik	12	† †	12	tt

13 "	13 "	13 "
14 "	14 pwilis	14 "
15 tajak	15 pwiles	15 "
16 tejik	16 jappac	16 "
17 tejuk	17 "	17 "

476..coconut "cloth" 477..coconut shell 478..coconut sponge

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1	wyyrY	1	fathyrywan	1	faalA
2	wyyr	2	tagog	2	faag
3	jyy1	3	lyy	3	peel
4	juul	4	luu	4	11
5	jyyl	5	tegag	5	faar
6	wyyl	6	<b>11</b> 1	6	**
7	tugumaajyn	7	saag	7	11

9	wyyn	9	haak	9	jatton
11	jawutteh	11	haak/ pejihaak	11	j <b>i</b> tt
12	jatihė	12	haak	12	jatton
13	jawuttis	13	pejisaak	13	tt
14	jawuttek	14	saak/ pewusaak	14	coofar
15	11	15	saak	15	farajico
16	jawuses	16	sėėk	16	jatton
17	**	17	sėėk	17	11

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479coconut leaf (unopened spear)	480 <b>co</b> pra	481barracuda
1 tapagaw0/ wubwut0	1 soo	1 talawA
2 wubwut	2 coow	2 bwawyg
3 wobwuth	3 coo	3 taraw
4 "	4 "	4 "
5 wubwut	5 shoo	5 seraw
6 "	6 "	6 "
7 "	7 <b>ř</b> oo	7 "
9 wupwut	9 <b>r</b> oo	9 japwaj
11 wopwut	11 "	10 haraw/ jaapwaj
12 wupwut	12 "	11 heraw
13 "	13 taka	12 haraw
14 "	14 shoo	13 <b>-</b> 14 saraw
15 wopwut	15 coo	15 saraw
16 wopwut	16 taka	16 "
17 "	17 coo/ taka	17 "
482bonito	483crevalle	484flying fish
1 galangaapA	1 rangyjA	1 mangalY
2 gangaap	2 ragyng	2 mangag
3 garangap	3 languj	3 mengar
4 "	4 "	4 "
5 "	5 languw	5 mėngar0
6 "	6 "	6 11
7 jarangap	7 "	7 mėngar

9	11	9	11 1	9	11
11	jangarap	11	pwejah	11	mengar
12	<b>11</b>	12	pweha	12	mangar
13	tt	13	pwejas	13	<b>†</b> !
14	11	14	pwajas	14	mėngėr
15	7 F	15	langew	15	11
16	11	16	pwejas	16	mangar
17	**	17	pweejas	17	menger

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48	5porcupine fish	480	6puffer fish	487	7ray fish
1	tajythY	1	bwithitojythY	1	fajilA
2	tawys	2	wuus	2	fajija
3	tøøs	3	lėėc	3	faaje
4	11	4	tt	4	11
5	tajys	5	lėėsh	5	fåji
6	tawys	6	17	6	11
7	tajys	7	lėėṙ́	7	ffåji
9	hėėj	9	11	9	fåje
10	tajys	11	11	11	ffej
11	hėėw	12	11	12	11
12	sėėj	13	11	13	mårew
13-	-14 seew	14	lėėsh	14	ffej
15	17	15	lėėc	15	ffaj
16	seej	16	coopwo	16	sikac
17	sėėwy	17	<b>11</b>	17	11
488	3red snapper	489	9shark	490	yellow-fin tuna
488 1	8red snapper mooth0		9shark pagewA		Dyellow-fin tuna taguwA
	mooth0	1		1	-
1	mooth0	1 2	pagowA	1	taguwA
1 2	mooth0 moos	1 2	pagowA pogow	1 2	taguwA taguw
1 2 3	moothO moos "	1 2 3	pagewA pogow pagow	1 2 3 4	taguwA taguw "
1 2 3 4	moothO moos "	1 2 3 4	pagewA pogow pagow "	1 2 3 4	taguwA taguw "
1 2 3 4 5	moothO moos " "	1 2 3 4 5 6	pagowA pogow pagow "	1 2 3 4 5 6	taguwA taguw " tangyr
1 2 3 4 5 6	moothO moos " " "	1 2 3 4 5 6	pagowA pogow pagow "	1 2 3 4 5 6	taguwA taguw " " tangyr
1 2 3 4 5 6 7	moothO moos " " " "	1 2 3 4 5 6	pagowA pogow pagow "	1 2 3 4 5 6 7 8	taguwA taguw " " tangyr " sångir
1 2 3 4 5 6 7 8	moothO moos " " " " "	1 2 3 4 5 6 7	pagowA pogow pagow " " " pååw	1 2 4 5 6 7 8 9	taguwA taguw " tangyr " sångir "
1 2 4 5 6 7 8 9	moothO moos """" """ """ """ """" """"" """"""""	1 2 4 5 6 7 9	pagowA pogow pagow " " " pååw	1 2 4 5 6 7 8 9	taguwA taguw " " tangyr " sångir " hångir
1 2 4 5 6 7 8 9 11	moothO moos """" """ """""""""""""""""""""""""	1 2 4 5 6 7 9	pagowA pogow pagow " " " pååw "	1 2 4 5 6 7 8 9 11 12	taguwA taguw " " tangyr " sångir " hångir hengir
1 2 3 4 5 6 7 8 9 11 12	moothO moos """"""""""""""""""""""""""""""""""	1 2 4 5 6 7 9 11 12 13	pagowA pogow pagow " " " pååw " " pååw	1 2 3 4 5 6 7 8 9 11 12 13	taguwA taguw " tangyr " tangyr " sångir " hångir hengir "
1 2 4 5 6 7 8 9 11 12 13	moothO moos """"""""""""""""""""""""""""""""""	1 2 4 5 6 7 9 11 12 13 14	pagowA pogow pagow " " " pååw " " peřaw	1 2 3 4 5 6 7 8 9 11 12 13	taguwA taguw "" tangyr " sångir " hångir hengir " sengyr
1 2 3 4 5 6 7 8 9 11 12 13 14 15	moothO moos """"""""""""""""""""""""""""""""""	1 2 4 5 6 7 9 11 12 13 14	pagowA pogow pagow " " " pååw " " peřaw " pacaw	1 2 3 4 5 6 7 8 9 11 12 13 14 15	taguwA taguw """ tangyr " sångir " hångir hengir hengir " sengyr sengyr

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491moray eel	492lobster	493octopus
1 rabwut0 2 rabwut 3 labwuth	1 wyylA 2 wyyg 3 jyyr	1 giitA 2 garagiit <b>A</b> 3 giit
4 labwoth 5 sawyfang 6 sawufang 7 "	4 juur 5 jyyr 6 wyyr 7 jyyr	4 giit 5 gyys 6 m 7 m
9 hawufảng 10 hawufảng 11 howufảng 12 hookulijaw 13-14 lopwut 15 lỏpwut 16 nopwut 17 "	9 wyyr 10 jyyr 11-12 jawuuta 13 wyyr 14 " 15 " 16 " 17 "	<pre>9 kyyh 11 " 12 kyhyy 13 kyys 14 " 15 " 16 nippac/ kyys 17 "</pre>
<pre>494porpoise 1 gyjesigI 2 jygecig 3 gyyj gyyjol 4 guuj guujol 5 gyywA gyywal 6 " 7 "</pre>	<pre>495Portugese man-of-war 1 rimwatong0 2 rimwotong 3 jåthijeth 4 " 5 nimwatong 6 " 7 limwatong</pre>	496turtle 1 woorY 2 weer 3 wool 4 " 5 woong 6 " 7 " 8 "

9	kyyw	kyywan	9 11	9 11
11	kyyw	kyywen	11 limwaatong	11 "
12	kyyw	kywen	12 limwating	12 pwaapwa
13	kyy	kyyn	13 "	13 "
14	11		14 limwutong	14 wiin
15	11		15 serekuto	15 woon
16	kyyw	kyywen	16 niseew	16 pwååpwå
	kyyw	kyyn, kywei	n 17 niisėėw	17 pwảảpwả// wiin

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497whale	498ant	499cow, beef
1 laath0	1 wuges	1 garabwawu
2 gaas0	2 wuwec	2 karabwawu
3 raas	3 lėėng	3 karabwow
4 "	4 "	4 11
5 "	5 "	5 karabwaw
6 "	6 "	6 ''
7 raaw	7 "	7 waakke
9 "	9 "	9 wakke
11 "	11 "	11 kaw
12 "	12 "	12 kaw
13 "	13 "	13 koow
14 "	14 "	14 "
15 "	15 "	15 "
16 "	16 nyyng	16 kow
17 "	17 nikukkutong	17 kow
500butterfly	501centipede	502chicken
1 gijegija	1 mannibwongI	1 gajangA
2 gaabwyg	2 ripagaarI	2 kooko
3 tiibwegybweg	3 mallebwong	3 målėg
4 "	4 11	4 "
5 nibwegybweg	5 månnybwöng	5 målyg
6 "	6 "	6 "
7 libwėjibweg	7 mallibwong//	7 "
	mallyleror	
9 linwolainwola		

.

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9 malyk 9 liráráanifar// 11 målyk mannepwong 12 malyk 11-12 mannypwong 13 pwuro 13 mannykee 14 melik 14-15 mannypwong 15 malek 16 nimennykėė// mennykam 16 manyk 17 mannykam 17 cykỏ// mėnyk

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9 lipwekipwek Ħ 11 12 lipwékipwék 13 lipwakypwek 14 lipwykypwyk 15 " 16 nisipwisipw 17 nipwisipwis

50	3dog	504	4fly	50	5fruit-bat
1	pirisI	1	raang0	1	warigI
2	piris	2	raang	2	warig
3	pees	3	laang	3	pawucėėj
4	tt	4	11	4	11
5	gelaag0	5	laang0	5	pajushėj
6	**	6	**	6	pawushew
7	golaag	7	loong	7	pajirėėwi
9	kolaak	9	loong	9	pawyte
11	11	11	11	11	"
12	11	12	11	12	pajite
13	11	13	manyfen	13	pėwyte
14	11	14	mashang	14	tt
15	komwija	15	loong	15	pwåå
16	konaak	16	noong	16	péwute
17	11	17	11	17	péwyte
50	6louse	50'	7mosquito	508	8rat
1	gyythY	1	raamwU	1	geesI
2	gyys	2	raamw	2	geec
3	11	3	laamw	3	11
4	guus	4	11	4	"
5	gyys	5	11	5	geesh
6	guus	6	11	6	11
7	gууw	7	noomw	7	geer
9	kyyw	9	**	9	keer
11	11	11	11	11	jeřikeř, keřikeř
12	kyy	12	likken	12	nakkyr
13	kyyw	13	11	13	lakkyr
14	11	14	nomwykkyk	14	keesh
15	kyy	15	nomwykyyk	15	jeec
16	11	16	nikken	16	nakkic
17	11	17	11	17	11

509pig	510spider	511maggot
1 pejigI	1 rigatabwolaala	1 jiir0
2 pejig	2 ritobwugaaga	2 jiir0
3 paabwi	3 limwathraara	3 jiil
4 "	4 limwathraara	4 jiil
5 siilo	libwathraara	5 jiil0
6 "	5 nigysybwaraara	6 "
7 siino	6 gasibwaraara	7 jilepp <b>yy</b> r
	7 nitubwaråårå	
9 siilo		9 jiil//
11 siilo/ piik	9–11 litopwulåår	jiloppiŕ
12 piik/ siilo	12 littupwulåår	11 jiil
13 piik	13 littapwuuråår	12 jileppi <b>ŕ</b>
14 "	14 litokoråår	13-14 wuul
15 "	15 licamwycamw	15 wuul
16 piik/ påås	16 ninnå/ nitopwuråån	16 wuun// mėttė
17 piik	17 ninnim	17 jiin
512Sunday	513Monday	514Tuesday
512Sunday 1 lanisannE	513Monday 1 mwetagerifitegI	1 lalijelanifitegI
-	-	-
1 lanisannE	1 mwetagerifitegI	1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang
1 lanisannE 2 gansan	1 mwetagerifitegI 2 mwatagerifiteg	1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleliengeeng
1 lanisannE 2 gansan 3 saanthe	1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån</pre>
1 lanisannE 2 gansan 3 saanthe 4 "	1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 "	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran</pre>
1 lanisannE 2 gansån 3 saanthe 4 " 5 sante	1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 " 5 gaciitag	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån</pre>
1 lanisannE 2 gansan 3 saanthe 4 " 5 sante 6 "	1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 " 5 gaciitag 6 "	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran 7 jarowoow</pre>
1 lanisannE 2 gansan 3 saanthe 4 " 5 sante 6 " 7 ralilifaan//	1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 " 5 gaciitag 6 "	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran</pre>
1 lanisannE 2 gansan 3 saanthe 4 " 5 sante 6 " 7 ralilifaan//	1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 " 5 gaciitag 6 " 7 jaciita	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran 7 jarowoow</pre>
<pre>1 lanisannE 2 gansan 3 saanthe 4 " 5 sante 6 " 7 ralilifaan// ralilipin</pre>	1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 " 5 gaciitag 6 " 7 jaciita	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran 7 jarowoow</pre>
<pre>1 lanisannE 2 gansan 3 saanthe 4 " 5 sante 6 " 7 ralilifaan// ralilipin</pre>	<pre>1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 " 5 gaciitag 6 " 7 jaciitå 9 hårinifåål</pre>	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran 7 jarowoow 9 joruwoow 12 jaruwoow 13 jaruuw</pre>
<pre>1 lanisannE 2 gansan 3 saanthe 4 " 5 sante 6 " 7 ralilifaan// ralilipin 9 raninifaal</pre>	<ol> <li>mwetagerifitegI</li> <li>mwatagerifiteg</li> <li>cipathaageljengaan,</li> <li>"</li> <li>gaciitag</li> <li>"</li> <li>jaciita</li> <li>harinifaal</li> <li>12 harynfaan</li> </ol>	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran 7 jarowoow 9 joruwoow 12 jaruwoow 13 jaruuw 14 jaruuwowanråån</pre>
<pre>1 lanisannE 2 gansån 3 saanthe 4 " 5 sante 6 " 7 ralilifaan// ralilipin 9 råninifåål 12 raaninipin</pre>	<ol> <li>mwetagerifitegI</li> <li>mwatagerifiteg</li> <li>cipathaageljengaan</li> <li>"</li> <li>gaciitag</li> <li>"</li> <li>jaciita</li> <li>harinifaal</li> <li>harynfaan</li> <li>sarynfaan</li> </ol>	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran 7 jarowoow 9 joruwoow 12 jaruwoow 13 jaruuw 14 jaruuwowanråån 15 "</pre>
<pre>1 lanisannE 2 gansan 3 saanthe 4 " 5 sante 6 " 7 ralilifaan// ralilipin 9 raninifaal 12 raaninipin 13 raanynyfel</pre>	<pre>1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 " 5 gaciitag 6 " 7 jaciitä 9 hårinifåål 12 harynfåån 13 sarynfåån 14 mystanfel</pre>	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran 7 jarowoow 9 joruwoow 12 jaruwoow 13 jaruuw 14 jaruuwowanråån</pre>
<pre>1 lanisannE 2 gansan 3 saanthe 4 " 5 sante 6 " 7 ralilifaan// ralilipin 9 raninifaal 12 raaninipin 13 raanynyfel 14 raanynyfel</pre>	<pre>1 mwetagerifitegI 2 mwatagerifiteg 3 cipathaageljengaan 4 " 5 gaciitag 6 " 7 jaciitä 9 hårinifåål 12 harynfåån 13 sarynfåån 14 mystanfel 15 mastånfel</pre>	<pre>1 lalijelanifitegI 2 gagygegånfiteg 3 garuuraleljengaang 4 " 5 garywerån 6 garyyran 7 jarowoow 9 joruwoow 12 jaruwoow 13 jaruuw 14 jaruuwowanråån 15 "</pre>

515..Wednesday

- 1 gatherylanifitegI
- 2 gaseryganfiteg
- 3 gaselraleljengaang
- 4 "
- 5 gaselrán
- 6 gasylyran
- 7 jajelyran
- 9 jajelyngat
- 12 jajilyngat 13 jawylyngat
- 14 jajilyywan
- 15 jajilywan
- 16 jawynyngat
- 517..Friday
- 1 garimelanifitegI
- 2 garimeganfiteg
- 3 galamaraleljengaang
- 4 "
- 5 galimerån
- 6 "
- 7 jálimérán
- 9 jålimoow
- 12 jalimoow
- 13 jalimuw
- 14 jalymééwan
- 15 jalimuwan
- 16 janimuw

- 516..Thursday 1 gafalanifitegI
- 2 gafaganfiteg
- 3 gafaraleljengaang
- 4 "
- 5 gafaaran
- 6 "
- 7 jafaaran
- 9 jarywaany
- 12 jariwanny
- 13 jarywanny
- 14 jarywaanyn
- 15 jaryjaanyn
- 16 rywaany
- 518..Saturday
  - 1 sabwatho
  - 2 gansabwor
  - 3 sabwetho// sabeedo
  - 4 sabwetho// sabeedo
  - 5 sabwaato
- 6 "
- 7 jamon
- 9 jammwal
- 12 jammwal
- 13 "
- 14 raanammwėl
- 15 ranammwal
- 16 **r**åninimwan

519a circle	520one	521two
1 ramataguunI	1 theew	1 luwow
2 taguun	2 seew	2 guwow
3 langabw	3 "	3 ruwoow
4 "	4 "	4 "
5 bwalijel	5 "	5 "
6 "	6 "	6 ""
7 wuluul	7 jeew	7 "
	8 "	11 8
9 fåålijel	9 "	9 "
11 "	11 "	11 rywoow
12 "	12 "	12 ruwoow
13 kukkumwės	13 "	13 ruuw
14 wuumweshesshel	14 "	14 ruwoow
15 wunumwoceccel	15 "	15 ruuwow
16 kokkumw <b>o</b> s	16 "	16 ruuw
17 fåånijen	17 "	17 "
522three	523four	524five
522three	523four	
1 th <b>er</b> uw	1 faaw	1 rimow
1 thėruw 2 sėruw	1 faaw 2 "	1 rimow 2 rimow
1 thėruw 2 sėruw 3 syloow	1 faaw 2 " 3 "	1 rimow 2 rimow 3 limoow
1 thėruw 2 sėruw 3 syloow 4 suloow	1 faaw 2 " 3 " 4 "	1 rimow 2 rimow 3 limoow 4 "
1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw	1 faaw 2 " 3 " 4 " 5 "	1 rimow 2 rimow 3 limoow 4 " 5 "
1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 "	1 faaw 2 " 3 " 4 " 5 " 6 "	1 rimow 2 rimow 3 limoow 4 " 5 " 6 "
1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 " 7 jeluuw	1 faaw 2 " 3 " 4 " 5 " 6 " 7 "	1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 "
1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 " 7 jeluuw 8 "	1 faaw 2 " 3 " 4 " 5 " 6 " 7 " 8 "	1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 " 8 "
1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 " 7 jeluuw 8 " 9 "	1 faaw 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 "	1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 " 8 " 9 "
1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 " 7 jeluuw 8 " 9 "	1 faaw 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 11 rywaany	1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 " 8 " 9 " 11 "
1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 " 7 jeluuw 8 " 9 " 11 " 12 "	1 faaw 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 11 rywaany 12 "	1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 " 8 " 9 " 11 " 12 "
<ol> <li>thėruw</li> <li>sėruw</li> <li>syloow</li> <li>suloow</li> <li>seluuw</li> <li>"</li> <li>jeluuw</li> <li>"</li> <li>"</li> <li>"</li> <li>"</li> <li>"</li> <li>"</li> <li>"</li> <li>wylingat</li> </ol>	1 faaw 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 11 rywaany 12 " 13 "	<pre>1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 " 8 " 9 " 11 " 12 " 13 limuuw</pre>
<pre>1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 " 7 jeluuw 8 " 9 " 11 " 12 " 13 wylingat 14 jeluuw</pre>	1 faaw 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 11 rywaany 12 " 13 " 14 rywääny	<pre>1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 " 8 " 9 " 11 " 12 " 13 limuuw 14 lymoow</pre>
<pre>1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 " 7 jeluuw 8 " 9 " 11 " 12 " 13 wylingat 14 jeluuw 15 "</pre>	1 faaw 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 11 rywaany 12 " 13 " 14 rywaany 15 ryjaany	<pre>1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 " 8 " 9 " 11 " 12 " 13 limuuw 14 lymoow 15 limoow</pre>
<pre>1 thėruw 2 sėruw 3 syloow 4 suloow 5 seluuw 6 " 7 jeluuw 8 " 9 " 11 " 12 " 13 wylingat 14 jeluuw</pre>	1 faaw 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 11 rywaany 12 " 13 " 14 rywääny	<pre>1 rimow 2 rimow 3 limoow 4 " 5 " 6 " 7 " 8 " 9 " 11 " 12 " 13 limuuw 14 lymoow</pre>

525	5six	52	6seven	52'	7eight
1	worow	1	fythuw	1	waruw
2	worow	2	fisuw	2	11
3	woloow	3	fisuuw	3	waluuw
4	11	4	11	4	11
5	11	5	11	5	11
6	11	6	17	6	11
7	11	7	11	7	11
8	11	8	11	8	11
9	wonoow	9	fysuuw	9	11
11	11	11	fisuuw	11	11
12	11	12	11	12	**
13	wonuuw	13	11	13	11
14	wonoow	14	"	14	11
15	11	15	11	15	"
16	wonuuw	16	11	16	wanuuw
17	**	17	**	17	11
528	3nine	529	9ten	53(	Dtwenty
528 1	3nine tiwow	529 1	9ten thejig	53( 1	Dtwenty lijejig
				1	-
1	tiwow	1	thejig	1 2	lijejig
1 2	tiwow "	1 2	thejig sejig	1 2 3	lijejig gygejig
1 2 3	tiwow " thuwoow	1 2 3	thejig sejig seeg	1 2 3	lijejig gygejig ryyjeg
1 2 3 4	tiwow " thuwoow "	1 2 3 4	thejig sejig seeg "	1 2 3 4	lijejig gygejig ryyjeg ruujeg
1 2 3 4 5	tiwow " thuwoow " tiwoow	1 2 3 4 5	thejig sejig seeg "	1 2 3 4 5	lijejig gygejig ryyjeg ruujeg ruweeg
1 2 3 4 5 6	tiwow " thuwoow " tiwoow "	1 2 3 4 5 6	thejig sejig seeg " "	1 2 3 4 5 6	lijejig gygejig ryyjeg ruujeg ruweeg "
1 2 3 4 5 6 7	tiwow " thuwoow " tiwoow "	1 2 3 4 5 6 7	thejig sejig seeg " " " sejig	1 2 4 5 6 7	lijejig gygejig ryyjeg ruujeg ruweeg " ruwejig
1 2 3 4 5 6 7 8	tiwow " thuwoow " tiwoow " "	1 2 4 5 6 7 8	thejig sejig seeg " " " sejig "	1 2 4 5 6 7 8	lijejig gygejig ryyjeg ruujeg ruweeg " ruwejig "
1 2 3 4 5 6 7 8 9	tiwow " thuwoow " tiwoow " " "	1 2 4 5 6 7 8 9	thejig sejig seeg " " " sejig " heejik	1 2 4 5 6 7 8 9	lijejig gygejig ryyjeg ruujeg ruweeg " ruwejig " ruwejig
1 2 3 4 5 6 7 8 9 11 12	tiwow " thuwoow " tiwoow " " "	1 2 3 4 5 6 7 8 9 11	thejig sejig seeg " " sejig " heejik hejik	1 2 4 5 6 7 8 9 11	lijejig gygejig ryyjeg ruujeg ruweeg " ruwejig " ruuwe ryywe
1 2 3 4 5 6 7 8 9 11 12	tiwow " thuwoow " tiwoow " " " "	1 2 3 4 5 6 7 8 9 11 12	thejig sejig seeg " " sejig " heejik hejik jengol	1 2 4 5 6 7 8 9 11 12	lijejig gygejig ryyjeg ruujeg ruweeg " ruwejig " ruwejig ywe ryywe ryywe ryywek
1 2 3 4 5 6 7 8 9 11 12 13 14	tiwow " thuwoow " tiwoow " " " " " " " " " "	1 2 4 5 6 7 8 9 11 12 13	thejig sejig seeg " " sejig " heejik heejik hejik jengol jengool	1 2 4 5 6 7 8 9 11 12 13	lijejig gygejig ryyjeg ruujeg ruweeg " ruwejig " ruwe ryywe ryywe ryywek ryywe
1 2 3 4 5 6 7 8 9 11 12 13 14 15	tiwow " thuwoow " tiwoow " " " " " " " " " " " " " " " " " "	1 2 3 4 5 6 7 8 9 11 12 13 14	thejig sejig seeg " " " sejig " heejik hejik hejik jengol jengol	1 2 3 4 5 6 7 8 9 11 12 13 14	lijejig gygejig ryyjeg ruujeg ruweeg " ruwejig " ruuwe ryywe ryywe ryywe ryywe
1 2 3 4 5 6 7 8 9 11 12 13 14 15	tiwow " thuwoow " tiwoow " " " " " " " " " " " " " " " " " "	1 2 3 4 5 6 7 8 9 11 12 13 14 15	thejig sejig seeg " " sejig " heejik heejik hejik jengol jengol	1 2 3 4 5 6 7 8 9 11 12 13 14 15	lijejig gygejig ryyjeg ruujeg ruweeg " ruwejig " ruuwe ryywe ryywe ryywe ryywe ryywe ryywa rija

531thirty	532forty	533.fifty
1 theriig	1 faajig	1 rimejig
2 seriig	2 "	2 "
3 siliig	3 faajeg	3 lemeeg
4 "	4 "	4 "
5 seliig	5 faajig	5 limeeg
6 "	6 "	6 "
7 jeliig	7 "	7 limejig
8 "	8 fåjiig	8 11
9 jeliik	9 fååjig	9 lime?
11 "	11 fajiik	10 lime
12 "	12 fajiik	11 lime
13 "	13 fajiik	12 <b>-</b> 13 lime
14 "	14 faajik	14 "
15 *	15 fåå	15 limåå
16 jeniik	16 faajik	16 nime
17 "	17 "	17 "
534sixty	535seventy	536eighty
1 worojig	1 fithiig	1 wariig
2 "	2 fisiig	2 "
3 weleeg	3 "	3 waliig
4 11	4 11	4 "
5 woleeg	5 "	5 "
6 "	6 "	6 "
7 wolejig	7 "	7 "
8 "	8 "	8 11

9 wone?	9 fiik	9 waliik
11 wone	11 "	11 "
12 "	12 "	12 "
13 "	13 "	13 "
14 "	14 "	14 "
15 wonaa	15 "	15 "
16 woone	16 "	16 waniik
17 wone	17 "	17 "

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537	7ninety	538	3,.hundred	539	9thousand
1	tiwojig	1	bwuguj		
2	tiwejig	2	11		
3	thuweeg	3	11	3	ngaras
4	3 T	4	11	4	11
5	tiweeg	5	bwuguw	5	11
6	11	6	11	6	11
7	tiwejig	7	ŤŤ	7	11
8	11	8	11	8	tt.
9	tiwe?	9	pwukuw	9	ngaraj
10	tiwe	11	tt	11	ngaraw
11-	-12 tiwe	12	pwuku	12	ngaraj
13	tywe	13	pwukyw	13	ngarew
14	11	14	pwukuw	14	ngarew
15	tuwii	15	pwyky	15	ngarawy
16	tiwe	16	11	16	ngaraw
17	¥ ₹	17	pwuku	17	ngerew
54(	Oone-animate	541	ltwo-animate	542	2three-animate
1	themarY	1	lijemarY	1	thėrymėrY
2	samar	2	gygamar	2	serymer
3	semel	3	ryymel	3	sėlėmėl
4	11	4	ruumel	4	11
5	11	5	1 T	5	sėlimėl
6	tt	6	11	6	ŤŢ
7	jeraji	7	ruuraj	7	jelyraj
8					
Q	jeshaj	8	rushaj		jelyshaj
2	jeshaj je <b>r</b> aaj		rushaj ruweraaj	8	jelyshaj jele <b>r</b> aaj
	* *	9		8 9	
11	jeraaj	9 11	ruweraaj	8 9 11	jeleraaj
11 12	jeřaaj jeřaw	9 11 12	ruweřaaj ryyřaw	8 9 11 12	jeleřaaj jelyřaw
11 12 13	jeraaj jeraw jari	9 11 12 13	ruweraaj ryyraw rywerej	8 9 11 12 13	jeleřaaj jelyřaw jeliman
11 12 13	jeraaj jeraw jari jeman	9 11 12 13 14	ruweřaaj ryyřaw ryweřej rywemån	8 9 11 12 13 14	jeleřaaj jelyřaw jeliman wylimån
11 12 13 14	jeřaaj jeřaw jaři jemán jemen	9 11 12 13 14	ruweraaj ryyraw rywerej ryweman ruwemen	8 9 11 12 13 14 15	jeleřaaj jelyřaw jeliman wylimån jelimen

## 544. five-animate 545. six-animate 543. four-animate

1	faamarY	1	rimmarY	1	woromarY
2	faamar	2	riimar	2	woromar
3	fåamel	3	limmel	3	wolomel
4	11	4	11	4	11
5	faamal	5	11	5	wolomal
6	11	6	11	6	11
7	faaraj//	7	limaraj//	7	woloraji//
	faaman		limman		woloman
8	faamal	8	limmal	8	wolomal
9	faraaj	9	limman	9	wonoman
11	feraw	11	11	11	wonoman
12	feeman	12	11	12	<b>t</b> t
13	feeman	13	limmån	13	wonomån
14	feemen	14	limmen	14	wonomen
15	11	15	tt	15	wonomen
16	<b>† 1</b>	16	nimman	16	wonoman
540	6seven-animate	54'	7eight-animate	548	8.,nine-animate
1	fithimerY	1	warymerY	1	tiwomarY
2	fisimėr	2	warimer	2	tiwémar
3	fisimėl	3	walimėl	3	thewme1
4	11	4	t t	4	11?
5	fisymel	5	tt	5	tiwumal
6	11	6	11	6	11
7	fisuman	7	waliman	7	tiiman
8	fisimal	8	walamal	8	tiwumal

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9	fyyman	9	walyman	9	tiweman
11	tt	11	1t	11	tiweman
12	tt	12	waliman	12	tyweman
13	fyymån	13	walimån	13	tyweman
14	fyymen	14	walymen	14	tywemen
15	11	15	walemen	15	tuuwemen
16	11	16	wanyman	16	tiweman

549ten-animate	550 <b>o</b> n	551among
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1 'ten'	1 wuwawo-	1 wuwery-
2 "	2 wo-	2 jiw <b>ė</b> ry-
3 "	3 wuwó-	3 luwul-
4 "	4 "	4 luwul-
5 "	5 w <b>o</b> -	5 rė-
6 "	6 11	6 "
7 "	7 "	7 leeji-
8 11	8 11	
9 "	9 "	9 "
11 "	11 "	11 "
12 hejik	12 "	12 "
13 'ten'	13 "	13 "
14 sejik	14	14 "
15 sejik	15 "	15 "
16 'ten'	16 "	16 neeji <b>-</b>
	17 "	17 "
552at	553in it	554.all
552at 1 jijolo-	553in it 1 jiran	554all 1 wuruta
1 jijolo-	1 jiran	1 wuruta
1 jijolo- 2 jiryg-	1 jiran 2 ran	1 wuruta 2 wuruto
1 jijolo- 2 jiryg- 3 jire-	1 jiran 2 ran 3 lal	1 wuruta 2 wuruto 3 paanga
1 jijolo- 2 jiryg- 3 jire- 4 "	1 jiran 2 ran 3 lal 4 "	1 wuruta 2 wuruto 3 paanga 4 "
1 jijolo- 2 jiryg- 3 jire- 4 " 5 re-	1 jiran 2 ran 3 lal 4 " 5 lann0	1 wuruta 2 wuruto 3 paanga 4 " 5 "
<pre>1 jijolo- 2 jiryg- 3 jire- 4 " 5 re- 6 "</pre>	1 jiran 2 ran 3 lal 4 " 5 lann0 6 "	1 wuruta 2 wuruto 3 paanga 4 " 5 " 6 "
<pre>1 jijolo- 2 jiryg- 3 jire- 4 " 5 re- 6 " 7 "</pre>	1 jiran 2 ran 3 lal 4 " 5 lann0 6 " 7 lon	1 wuruta 2 wuruto 3 paanga 4 " 5 " 6 "
1 jijolo- 2 jiryg- 3 jire- 4 " 5 re- 6 " 7 " 8 "	1 jiran 2 ran 3 lal 4 " 5 lann0 6 " 7 lón 8 lól	<ol> <li>1 wuruta</li> <li>2 wuruto</li> <li>3 paanga</li> <li>4 "</li> <li>5 "</li> <li>6 "</li> <li>7 jalong</li> </ol>
1 jijolo- 2 jiryg- 3 jire- 4 " 5 re- 6 " 7 " 8 " 9 "	1 jiran 2 ran 3 lal 4 " 5 lann0 6 " 7 lón 8 lól 9 lón	<ol> <li>1 wuruta</li> <li>2 wuruto</li> <li>3 paanga</li> <li>4 "</li> <li>5 "</li> <li>6 "</li> <li>7 jalong</li> <li>9 meheejon</li> </ol>
<pre>1 jijolo- 2 jiryg- 3 jire- 4 " 5 re- 6 " 7 " 8 " 9 " 11 "</pre>	1 jiran 2 ran 3 lal 4 " 5 lann0 6 " 7 lón 8 lól 9 lón 11 "	1 wuruta 2 wuruto 3 paanga 4 " 5 " 6 " 7 jalong 9 meheejon 11 "
1 jijolo- 2 jiryg- 3 jire- 4 " 5 re- 6 " 7 " 8 " 9 " 11 " 12 "	1 jiran 2 ran 3 lal 4 " 5 lann0 6 " 7 lón 8 lól 9 lón 11 " 12 llón	<ol> <li>1 wuruta</li> <li>2 wuruto</li> <li>3 paanga</li> <li>4 "</li> <li>5 "</li> <li>6 "</li> <li>7 jalong</li> <li>9 meheejon</li> <li>11 "</li> <li>12 meccong</li> </ol>
<pre>1 jijolo- 2 jiryg- 3 jire- 4 " 5 re- 6 " 7 " 8 " 9 " 11 " 12 " 13 "</pre>	1 jiran 2 ran 3 lal 4 " 5 lann0 6 " 7 lón 8 lól 9 lón 11 " 12 llón 13 llón	<ol> <li>1 wuruta</li> <li>2 wuruto</li> <li>3 paanga</li> <li>4 "</li> <li>5 "</li> <li>6 "</li> <li>7 jalong</li> <li>9 meheejon</li> <li>11 "</li> <li>12 meccong</li> <li>13 mejinisin</li> </ol>
<pre>1 jijolo- 2 jiryg- 3 jire- 4 " 5 re- 6 " 7 " 8 " 9 " 11 " 12 " 13 " 14 "</pre>	1 jiran 2 ran 3 lal 4 " 5 lann0 6 " 7 lón 8 lól 9 lón 11 " 12 llón 13 llón 14 llén	<pre>1 wuruta 2 wuruto 3 paanga 4 " 5 " 6 " 7 jalong 9 meheejon 11 " 12 mėccong 13 mejinisin 14 "</pre>

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555	because	556if	557no
1	bwanasag	1 jifiri	1 nawerI
2	bwanacag	2 wuun	2 nawer
3	bwo	3 garå	3 jååbw
4	<b>††</b> .	4 "	4 "
5	bwenn	5 "	5 jeebw
6	11	6 "	6 "
7	bw <b>ollo</b>	7 järe	7 jaabw
:			
9	pwė	9 "	9 jaapw
11	pwe	11 "	11 "
12	11	12 jikå	12 "
13	11	13 "	13 "
14	11	14 jare	14 "
15	paketan	15 "	15 jååpw
16	poketen	16 jika	16 jaapw
17	pwynn// pwyyn	17 "	17 "
558	3yes	559now	560some
1	WOO	1 jigira	1 tėėtA
2	wyynga	2 jigara	2 tėėtA
3	ngỏỏ	3 jigila	3 tėėt
4	11	4 "	4 "
5	ngyy	5 "	5 "
6	f f	6 "	6 11
7	joo	7 "	7 jakkaaw

9 "	9 jikana//	9 jåkkååw
11 woo	jijeej	11 "
12 "	11 jijeej	12 jekys
13 "	12-13 "	13 jekys
14 wėė	14 "	14 jekys
15 ngėėw	15 "	15 jooc
16 ngėėw// wyy	16 "	16 jooc//jekis
17 wyy	17 "	17 jekis

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561many	562who	563.,what
1 pippijE	1 jitėj	1 meta
2 pippij	2 jitėw	2 "
3 cöölép	3 jiitej	3 metha
4 "	4 "	4 "
5 toolap	5 jiitėw	5 mettå
6 "	6 "	6 "
7 toolåp	7 јііјо	7 meet
9 heejon	9 jijė	9 meeta
11 <b>ŕó</b> mmóng	11 "	11 meet
12 "	12 "	12 "
13 commong	13 "	13 "
14 nyysha	14 "	14 "
15 nyyca	15 "	15 "
16 commong	16 "	16 "
17 "	17 "	17 "
564where	565adzed-object (classifier)	566drink (classifier)
1 jija	565adzed-object (classifier) 1 faraj-	
1 jija 2 "		(classifier)
1 jija 2 " 3 jifa// jiija	1 faraj-	(classifier) 1 rym-
1 jija 2 " 3 jifa// jiija 4 "	1 faraj- 2 faraaj-	(classifier) 1 rym- 2 "
1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija	1 faraj- 2 faraaj- 3 falaj-	(classifier) 1 rym- 2 " 3 lem-
1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija 6 "	1 faraj- 2 faraaj- 3 falaj- 4 "	(classifier) 1 rym- 2 " 3 lem- 4 "
1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija	1 faraj- 2 faraaj- 3 falaj- 4 " 5 felaaj-	(classifier) 1 rym- 2 " 3 lem- 4 <u>"</u> 5 jylym-
1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija 6 "	1 faraj- 2 faraaj- 3 falaj- 4 " 5 felaaj- 6 "	<pre>(classifier) 1 rym- 2 " 3 lem- 4 " 5 jylym- 6 wylym-</pre>
1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija 6 " 7 jiifa// jija	1 faraj- 2 faraaj- 3 falaj- 4 " 5 felaaj- 6 " 7 felååj-	<pre>(classifier) 1 rym- 2 " 3 lem- 4 " 5 jylym- 6 wylym- 7 jylym-</pre>
1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija 6 " 7 jiifa// jija 9 jifa// jija	1 faraj- 2 faraaj- 3 falaj- 4 " 5 felaaj- 6 " 7 felååj- 9 felå-	<pre>(classifier) 1 rym- 2 " 3 lem- 4 " 5 jylym- 6 wylym- 7 jylym- 9 jynym-</pre>
1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija 6 " 7 jiifa// jija 9 jifa// jija 11 "	1 faraj- 2 faraaj- 3 falaj- 4 " 5 felaaj- 6 " 7 felååj- 9 felå- 11 falej-	<pre>(classifier) 1 rym- 2 " 3 lem- 4 " 5 jylym- 6 wylym- 7 jylym- 9 jynym- 11 wynym-</pre>
<pre>1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija 6 " 7 jiifa// jija 9 jifa// jija 11 " 12 "</pre>	<pre>1 faraj- 2 faraaj- 3 falaj- 4 " 5 felaaj- 6 " 7 felååj- 9 felå- 11 falej- 12 "</pre>	(classifier) 1 rym- 2 " 3 lem- 4 " 5 jylym- 6 wylym- 7 jylym- 9 jynym- 11 wynym- 12 wynym-// nym-
<pre>1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija 6 " 7 jiifa// jija 11 " 12 " 13 "</pre>	<pre>1 faraj- 2 faraaj- 3 falaj- 4 " 5 felaaj- 6 " 7 felååj- 9 felå- 11 falej- 12 " 13 falaaj-</pre>	<pre>(classifier) 1 rym- 2 " 3 lem- 4 " 5 jylym- 6 wylym- 7 jylym- 9 jynym- 11 wynym- 12 wynym-// nym- 13 "</pre>
<pre>1 jija 2 " 3 jifa// jiija 4 " 5 jiifa// jiija 6 " 7 jiifa// jija 11 " 12 " 13 " 14 "</pre>	<pre>1 faraj- 2 faraaj- 3 falaj- 4 " 5 felaaj- 6 " 7 felååj- 9 felå- 11 falej- 12 " 13 falaaj- 14 faleej-</pre>	<pre>(classifier) 1 rym- 2 " 3 lem- 4 " 5 jylym- 6 wylym- 7 jylym- 7 jylym- 11 wynym- 12 wynym-// nym- 13 " 14 "</pre>

567		nate-object assifier)	568when		
1	*	rawyri	1 wangaajet	A	
2	*	rawyr	2 jingååt		
3	*	1001	3 jingååth		
4	*	1001	4 "		
5	*	lajyl	5 jileet		
6	*	lawyl	6 "		
7	×	najyn	7 "		
8	*	lajil			
9	*	najyn	9 jineet		
11	naaw	nawyn	11 "		
12	naaj	nawyn	12 "		
13	naawy	nėwyn	13 "		
14	naaw	nêwyn	14 jingéét		
15	naawy	nėwyn	15 jingeet		
16	naaw	néwyn	16 jineet		
17	naaw	nėwyn	17 "		

- 569..and (connecting items in a series): <u>m</u>e in all languages; vowel highly variable.
- 570..and (connecting clauses): <u>ngė</u> in all languages; vowel highly variable.
- 571..not (prefix): <u>T-</u> (see Table 7) in all languages; vowel varies with phonological context.

	Singular		Plural				
	1	2	3	1	1 I I I I I	2	3
	1	4	7	Inc.	Exc.	2	)
				·····		<u> </u>	
		lnde	pendent	Pronou	ns		
1	ngaang	geer	jiij	giis	gaamemI	gaami	jiil
2	ngaang	geer	jiij	giic	ngaamem	ngaami	jiig
3-4	ngaang	geel	jiij	giic	gaamam	gaami	jiir
5-6	gaang	geel	jiij	giish	gaamam	gaami	jiir
7	ngaang	jeel	jiij	giir	jååmåm	jååmi	jiir
8	ngaang	jeel	jiij	giish	jaamam	jaami	jiir
9	ngaang	jeen	jiij	kiir	jååmåm	jååmi	jiir
10	ngaang	jeen	jiij	kiir	jaamam	jaami	jiir
11-12	ngaang	jeen	jiij	kiir	jååm	jååmi	jiir
13	ngaang	jeen	jiij	kiir	jaam	jaami	jiir
14	ngaang	jeen	jiij	kiish	jååm	jaami	jiir
15	ngaang	jeen	jiij	kiic	jååm	jaami	jiir
16	ngaang	jeen	jiij	kiic	jååm	jaami	jiir
17	ngaang	jeen	jiij	kiic	jååm	jaami	jiir
Subject Pronouns							
· 1	jij	go	je	thi	gaji	gawy	la
2	jij	go	je	si	gowu	gawy	ge
3-4	jij	go	је	si	ga	ga	re
5-6	jij	go	је	si	gaji	gaji	re
7	jij	WO	је	si	ja, ja	ja, ja	$\mathbf{r}\mathbf{e}$
8	jij	wu	је	si	jaji	jowu	re
9	jij	wo	је	hi	jåji	jowu	re
10	jij	ΨO	је	hi	jåji	jawu	re
11–12	jij	WO	је	hi	jaji	jawu	re
13	jij	ko	je	si	jawu	WO	re
14	jij	WO	je	si	jaji	jawu	re
15	jij	WO	je	si	jaji	jawu	re
16	wyw	ke	je	si	jowu	jewu	re
17	wyw	ke	je	si	jowu	jowu	re

PRONOUNS

### APPENDIX 2

#### Informants

- Mario Pedro: early twenties; one year high school; has lived most of his life on Sonsorol with extended visits on Palau and Truk.
- 2. Felix: late twenties; has lived entire life on Tobi with occasional short visits to Palau.
- 3. Thargos: late thirties; has lived his entire life on Falalap, Ulithi, with short visits to Yap.
- 4. Ythemar: early twenties; high school graduate; has lived his entire life on Mogmog, Ulithi, with short stays on Yap and Hawaii.
- 5. Garuwemai: early thirties; has lived his entire life on Falalap, Woleai, with short visits to Yap and Palau.
- 6. Fileut: early twenties; high school graduate; has lived his entire life on Ifaluk excepting for several years in school on Yap and Ulithi.
- 7. Tilur: late twenties; vocational school graduate; has lived most of his life on Satawal, with lengthy visits to Yap and Ponape.
- Manuel Somorang: late twenties; has attended college; has lived on Saipan all his life, with extended stays on Guam.

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- 9. Robert: early thirties; has lived entire life on Pulawat with extensive travel in the Truk District.
- 10. Basilio: early thirties; high school graduate; has lived his entire life on Pulusuk, with extended visits to Truk and Hawaii.
- 11. John Sandy: early thirties; high school graduate; reared on Pullap, but has spent most of his adult life on Truk.
- 12. Kalisto: early twenties; high school graduate; has spent his entire life on Uluul, Namonuito, excepting for the high school years on Truk.
- 13. Sepastian: early twenties; high school graduate; has lived his entire life on Murilo excepting for the high school years on Truk.
- 14. Ngas: early twenties; high school graduate; has spent his entire life on Nama excepting for the high school years on Truk.
- 15. Mike: early twenties; high school graduate; has spent his entire life on Moc, Satawan, excepting for the high school years on Truk.
- 16. Kirosi: early twenties; high school graduate; has lived mostly on Fanapanges in the Faichuk area of Truk, excepting for the high school years on Moen Island.
- 17. Sochiky: late thirties; high school graduate; has lived mostly on Moen, but also on other islands in Truk lagoon.

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