APPENDICES

(N.B. Tables and figures are numbered from 1 in each appendix.)

APPENDIX A

그러워 하는 사람 생각으로 가는 가능하는 사람들은 사람들은 사용이 모양하는 얼마는 것이 사는

INVESTIGATION INTO TONES

하게 되었다. 그렇게 하는 사이는 사람들은 중 나에는 화학하다는 생각이 중에 받는 사람들은 중에서 사랑하는 사람들이 없는데 그렇게 되었다.

APPENDIX A

INVESTIGATION INTO TONES

- A.1 A sample list of minimal diads and triads was drawn up, and a survey organized and conducted among men and women in 22 locations within Huliland. 35 participants contributed speech samples, including some non-contrasting polysyllabic items. The result was more than 200 items that could be examined with the use of a mingograph.
- A.1.1 Each meaning-item was first, A, produced in an environment in which it had been observed to occur naturally, then, B, uttered in triplicate, and finally, C, produced in a frame that was held constant, regardless of the item being recorded. This frame was:

- A.1.2 The second sample of B, the triple utterance, was expected to show the item buffered from the influence of initial-rising and final-falling intonation contours; the item produced in A was intended to assist in an exploration of tone perturbation; and the item obtained in C was designed to furnish data that would allow its tone features to be compared more easily with those of other items. It was anticipated that each production, A, B and C, would feed data into the other two.
- A.2 The recordings were processed by setting the mingograph to print out in linear scale: (1) the sound intensity;

(2) an intensity integration pulse every 20 m/secs; (3) a duplex oscillogram of air turbulance at the recording head; and (4) the pitch curve of the utterance, calibrated from 70 to 500 cyles. Medium or low filters were used in processing recordings of male participants, while high filters were used for female voices. The oscillator tracer indicated the presence and quality of fricative and aspirated segments, but the trace critical for my purposes was (4), which indicated the pitch contour or curve.

A.2.1 The read-out of tone contrasts yielded by this survey is set out in table 1, which gives the tone contours of 24 minimal diads or triads as recorded in 21 locations spread across the Huli area. The key to the table is as follows:

Tone contours

F - falling
R = rising
L - level

RF - rising-falling

| | TO AREA THE PROPERTY OF THE PR | | Place | | | | | | | | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|--|--|--|--|--|--|--|--|
| MAG | - Magarima | Po | - Porandaga | | | | | | | | |
| | 建氯化二基化物 医乳头皮膜 医乳红 | Но | - Homaria | | | | | | | | |
| WAB | - Wabia | Pr | - Para Te | | | | | | | | |
| | Jailan Janas Kalendar | Na | - Narali | | | | | | | | |
| GUB | - Gubari | Gu | - Gubari | | | | | | | | |
| 2000 | maken a server and a server of the server of | Ha Ha | - Hangabo | | | | | | | | |
| GAM | - Gambe | Be | - Bebego | | | | | | | | |
| 100 | | Br : | - Berali | | | | | | | | |
| | | | | | | | | | | | |
| BAR | n⇒n Bari na | Gr | - Guruanda | | | | | | | | |
| | | Di | - Diniga | | | | | | | | |
| MOGOR | - Mogorapuga | Db | - Dibara | | | | | | | | |
| | | Go | - Godabi | | | | | | | | |
| | | Ta | F Taguano Te | | | | | | | | |
| BUR | - Burani | Pb | □ Pabaluma | | | | | | | | |
| en e | | an Bi | - Bibalo | | | | | | | | |
| HAR | + Haro | Hr | - Haro | | | | | | | | |
| | | He | - Hedamali | | | | | | | | |
| GUMU | Gumu - | P1 | - Pala Pala | | | | | | | | |

| | | | Γ- | | | | | | | | | \neg | | | | | | Γ | | Γ | | | |
|-----|--------|--------------------------------|--------------|---------------|-------------|--------------|----------------|---------------|-------------|--------------|----------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|----|-------------|-------------|-------------|-------------|
| No. | item | glosses | MAG | | WAB | | GUB | | GAM | | BAR | | MOGOR | | | Bt | JR | HAR | | _ | Gt | UMU | |
| | | 42 | Po | Но | Pr | Na | Gu | На | Ве | Br | Gr | Di | Db | Go | Ta | Pb | Bi | Hr | Нe | P1 | Wa | Am | Ea |
| 1 | ĩ | 1S 2S | R F | R F | R F | R F | R | R | R | R | R R | R RF | Ŕ | F | R RF | R F | R F | R F | | R | R | R F | R F |
| 2 | ti | 2P 3P excreta | F F L | L L | F L R | F L R | F L L | L G F | F L | F L R | F L R | F L R | F L L | F F L | F L L | F L R | F F L | F L R | | F F | F L L | F L | F L L |
| 3, | pu | go vine urine | RF R L | R | R L F | RI F | L | P R L F | F L R | F L R | R L F | R L L | F L R | F L F | L F | R L F | R | F R L | | F F | F L F | F F | F L F |
| 4 | ma | neck taro let's go | R F R | R L L | F L F | RLL | F R | R R R | R R R | R RE | F L L | R L R | F F R | F F R | F L R | R L R | | R R R | | R R R | L | R L L | R R L |
| 5 | be | bamboo ash | L F | R L | R F | L F | R F | L L | R L | R L | R L | R L | F | F | | L L | R L | R L | | R L | | R F | L F |
| 6 | tu | boundary raincape | L F | L F | F | L L | L F | F L | L F | R F | L L | L L | F | F F | L | L F | | F | | R F | | R F | F F |
| 7 | to | raincape swollen emitted | F R F | L L | R R F | F RI F | L F R RE | ? | R L F | R R F | R R | R R F | R | R L L | R L | R R F | | F R | | : | F F | R R F | L L F |
| 8 | gi | hand fear | F L | L L | F | F L | F L | L L | F R | F L | F F | L R | | P | F R | F | | F | | F R | | FR | F R |
| 9 | wa , | reject light | R R | RI | R | L L | R F | R | L F | R F | R | R F | R F | R F | | L L | | R | F | F | L L | R F | L F |
| 10 | te | story tuft | R RE | RI R | F L L | R R | R R | R F | R L | R R | R | | R F | | R | R | | R | | | L L | L Ri | R |
| 11 | ibu | come 3s | L R | F | F | F | F L | F L | | F | F R | F R | F R | F L | F L | R R | ? | F | | F L | | F RF | F RF |
| 12 | libu | 2D 3D | RE L | P L | F L | F L | F L | F L | F L | F L | L L | L L | RI L | L | F L | F R | F L | F L | | F L | | F L | F L |
| 13 | jari | decoration cassowary | F R | F | F F | F F | F F | F P | F R | F R | F F | F L | F R | FR | F L | F R | | E | | | F L | F R | F R |
| 14 | aju | now axe | RE R | F | F L | F | · F | F L | F L | F | F L | L L | F L | F F | F | F | | F | | | F | | F L |
| 15 | dalu | country rain | F R | F R | F F | F | F R | F | F R | RI R | P R | R | F | R R | F F R | F | | F | | | | F R | F L L |
| 16 | hale | ear torch sp. tree | | ? F R L | R L L | F L R | L R L | F R R | RF L | RI R L | F F RI L | F R L | F R L | | F R L | F R L | | L R L | | | R L F | | L |
| 17 | hai | banana wall search | RE F | L | _ | F R F | | F RE | F | RI F | P RI | P RE | F R | | RI L R | R | F | R | | | R R R | | F F |
| 18 | hali | wallaby needle | R | F | R | R | R | L F | R | R | R | R L | R | | R F | R | | R | | | L F | | |
| 19 | keba | wooden spade anger | F L | F | L F | L L | | F | Ľ Ľ | R R | L L | F | F R | F R | L R | R R | | | | R | | | |
| 20 | togo | bridge crack decay | R F L | R F F | F | | R L F | | R F L | R F | R L F | L L F | | L L F | F | R F | | R F | | | L F | F | F |
| 21 | doma | erase cross over | F F | F | F F | F L | | | F | F | L R | | F L | | | F | | | P | ₹ 7 | F L | | |
| 22 | manda | wig thought | RE | R | F | | | R L | R RE | | R | L L | | | F R | R F R | | F | F | | | F R | F F RF |
| 23 | dugu | swamp pine weep | L L | L R | | F L R | | F R | | | P RI | | | | | R R | | F | | | L L | | |
| 24 | hambu | lips | L | | R | | | | | R | L L | | | | | R | | F | F | | | R | F |

Table 1: Tone survey data

Wa - Waru Am - Ambogwa Ea - Eanda

- A.2.2 Most recordings were made in the bush on portable audio-cassette recorders, and the quality produced was uneven. In some instances, when unwanted sounds intruded and overlay the tone contour too densely to allow it to print out clearly in envelope pattern, the filters and tracer were adjusted to obtain a simple line print-out. Such print-outs, because of the restriction in their pitch range, are generally less informative than print-outs in envelope form.
- A.2.3 Some examples of the mingograms produced are given below by way of illustrating the data base for table 1.
- A.2.3.1 Item 1, from Berali (Br) in the Gambe (GAM) area 1,Br:GAM figures 1-4. The 1S and 2S pronouns provide examples of a frequently occurring minimal pair contrasted by rising (R) and falling (F) tone contours. Figure 1 is an example of a triple utterance, B see 4.2.1 above -, in which the second, buffered, utterance is interpreted as the one most probably recording the true tone contour.

The upper trace, (1), shows the intensity of the utterance, while (2) records that it endured across 440 m/secs. The oscillogram trace, (3), records little turbulance, showing that the speaker was a little way away from the recording head. However, the trace that is important for this study, the tone contour, (4), was not affected by this, and registers clearly in envelope form, showing a rising contour.

A.2.3.2 Contrastingly, figure 2 shows a mingogram of 2S pronoun in which the tone contour, (4), is interepted as falling.

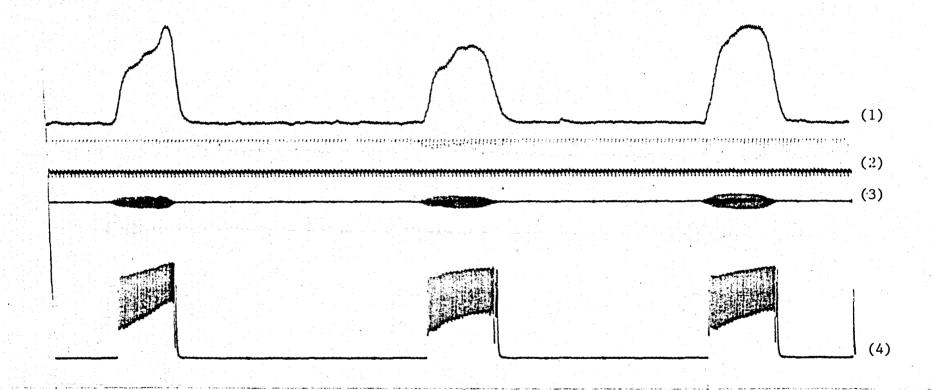


Figure 1: IS frame A

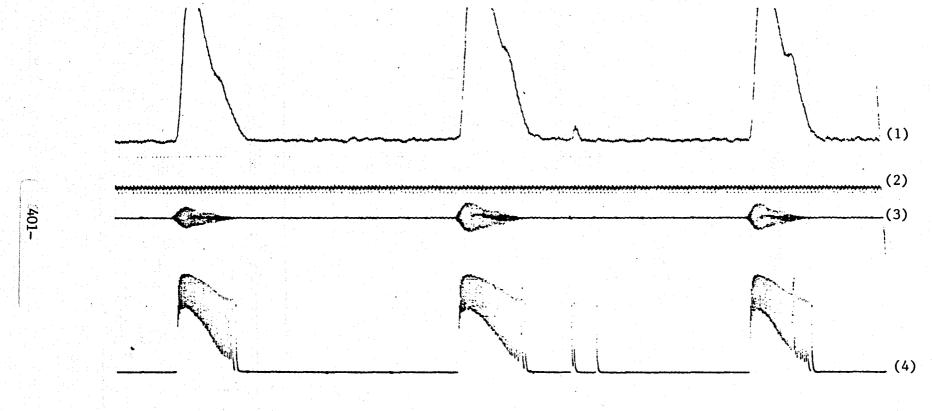


Figure 2: 2S, Frame A

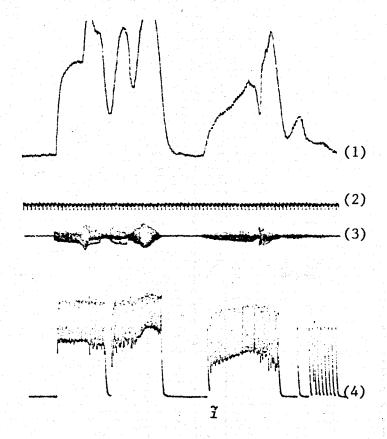


Figure 3: 1S, frame C

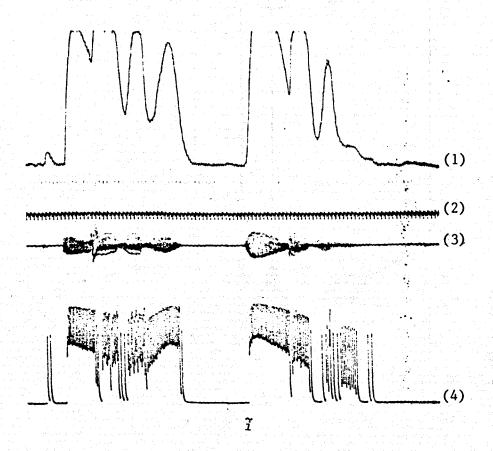


Figure 4 : 2S, frame C

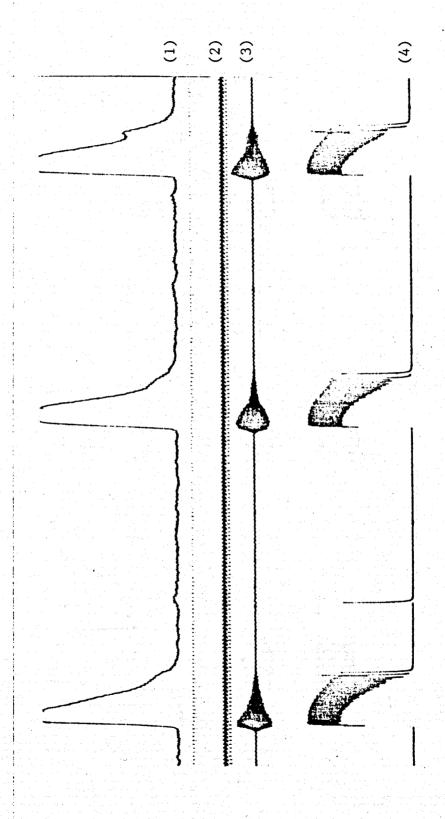


Figure 5 : gi 'hand ', frame A

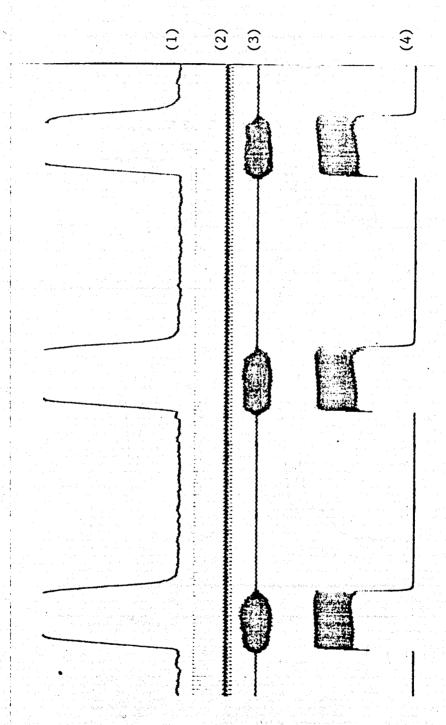


Figure 6 : gi 'fear' frame A

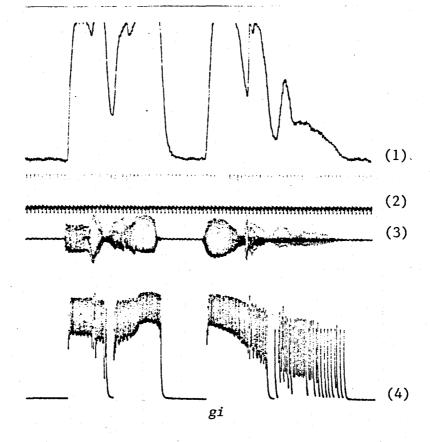


Figure 7 : 'hand' frame C

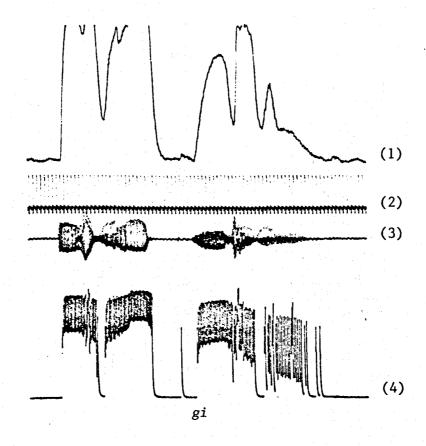


Figure 8 : 'fear' frame C

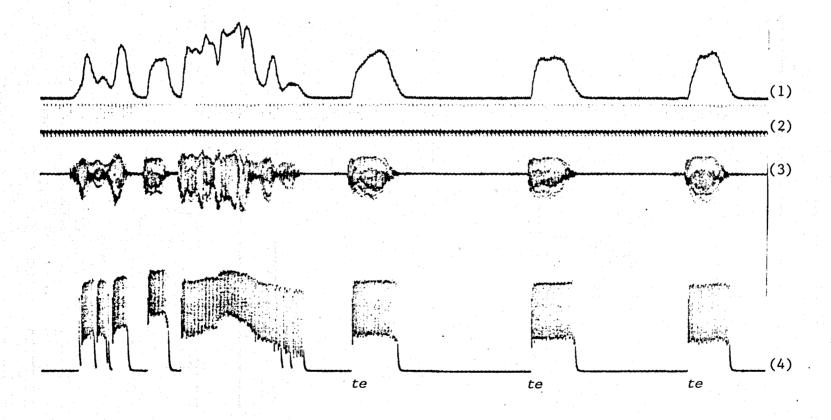


Figure 9 : te 'story', frame A

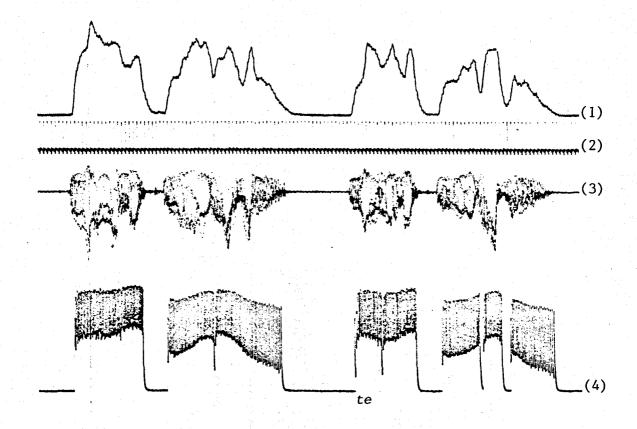


Figure 10 : te 'story', frame C

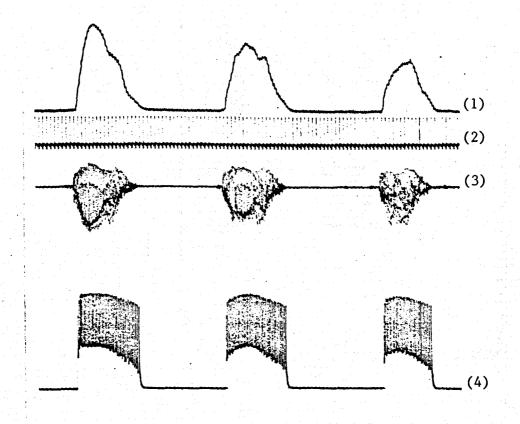


Figure 11 : te 'tuft', frame A

Figure 12: te 'tutt', frame C

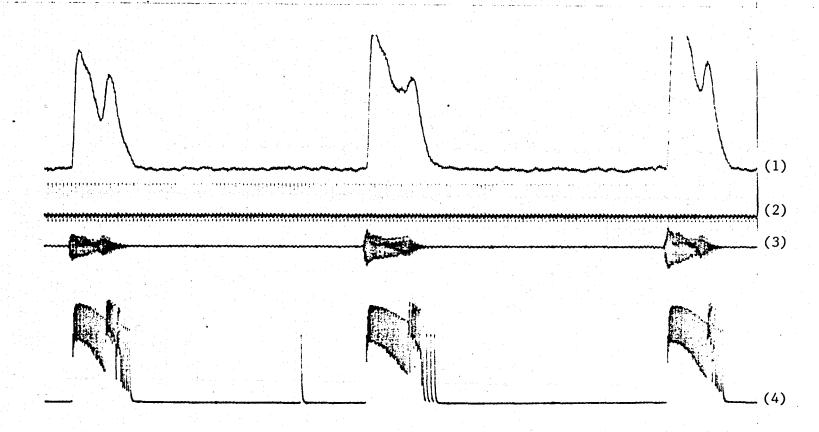


Figure 13: 2P, frame A

Figure 14:3P, frame A

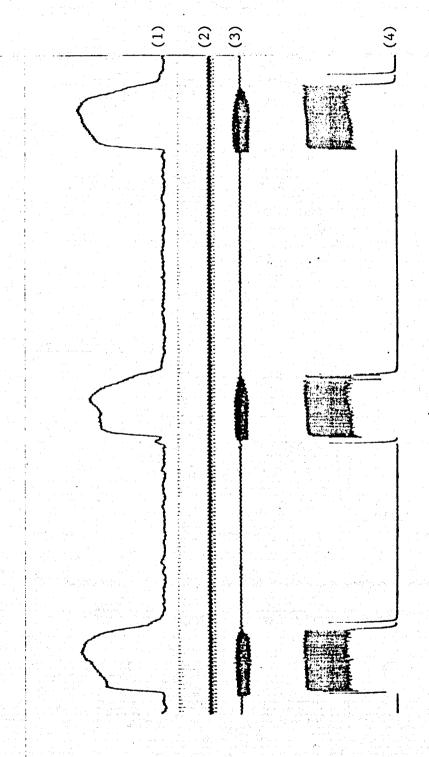


Figure 15: 'excreta', frame A

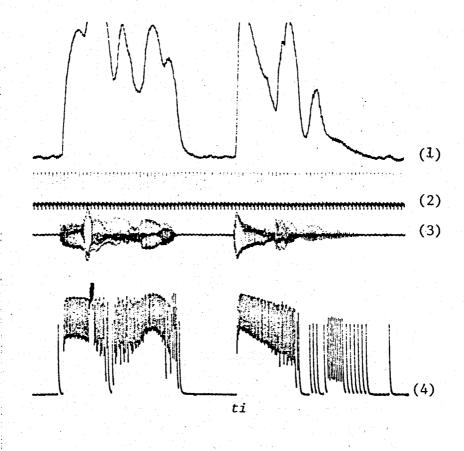


Figure 16:2P, frame C

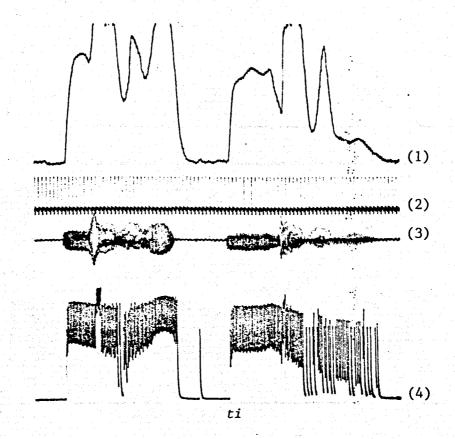


Figure 17: 3P, frame C

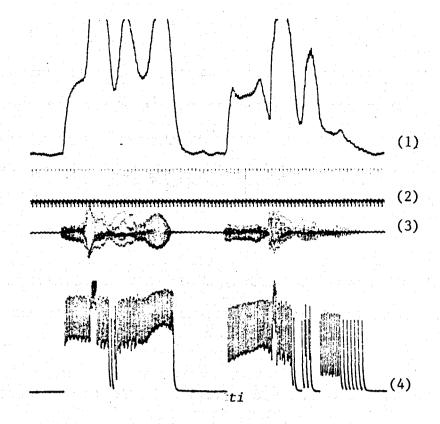


Figure 18: 'excreta'. frame C

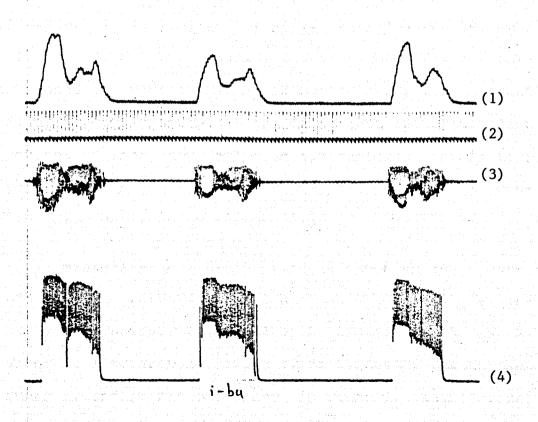
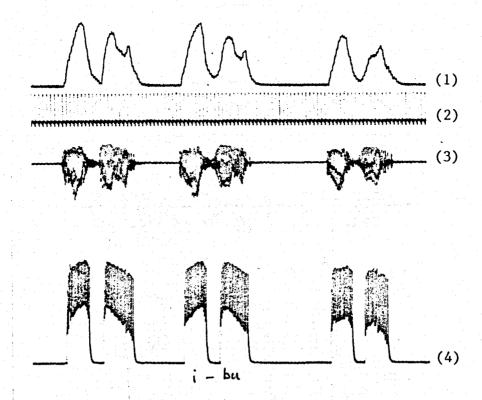
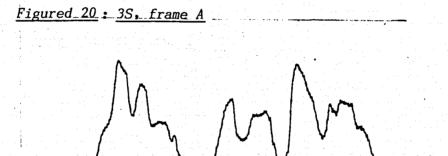


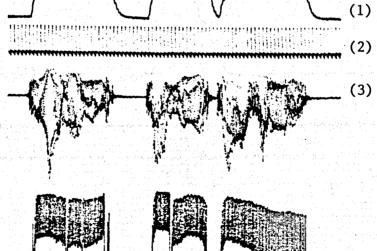
Figure 19: 'come', frame A

The sound intensity, (1), of this item is greater (it rises slightly above the range of the tracer), and the oscillogram (3) is more active, with the subject speaking more forcefully. This forcefulness endures into figure 4, which records the utterance in the set frame, C. Here the item shows no perturbation, and retains its falling contour.

- A.2.3.3 Similarily, the mingogram of 1S pronoun in figure 3 shows the tone contour persisting unperturbed by its environment frame C, again.
- A.2.3.4 Item 8, Br: GAM. Figures 5-8 record a monosyllabic item with contrasting falling (F) and level (L) contours. It could be argued that figure 6 shows gi 'fear' to have a slightly rising contour, but in the light of figures 13-18 (the minimal triad ti, recorded by the same person) it is intrepreted as L.
- A.2.3.5 Figure 9 is a mingogram of te 'story' (item 10, Amb: GUMU). It can be seen how the oscillogram records the air turbulance around the microphone caused by the aspirated segment [th]. Figure 10 shows that the item is subject to perturbation in the controlled frame, C, adopting a R contour. Similarly, te 'tuft' has its F contour (figure 11) perturbed to a R contour in the same environment (figure 12).
- A.2.3.6 A minimal monosyllabic triad is recorded in figures 13-18. This is the form ti, item 2 Br:GAM. Figure 13 is interpreted as a F contour, figure 14 as L, and figure 15 as R. The reason for interpreting figure 14 as L, not R, can be seen when figures 17 and 18 are compared: in frame C, ti 'excreta' maintains its rising curve more steadily than does ti 3P.

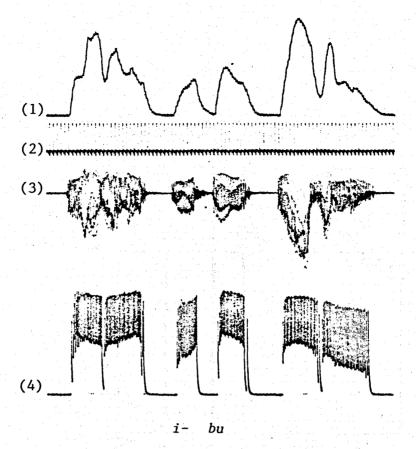






i-bu

Figure 21: 'come's frame C



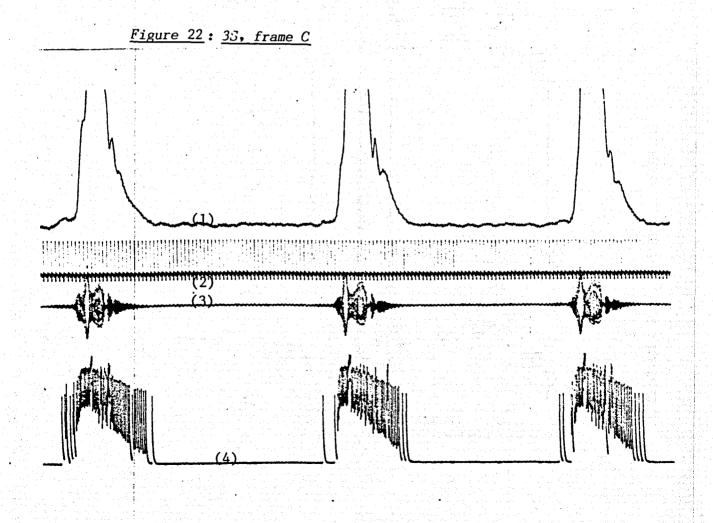
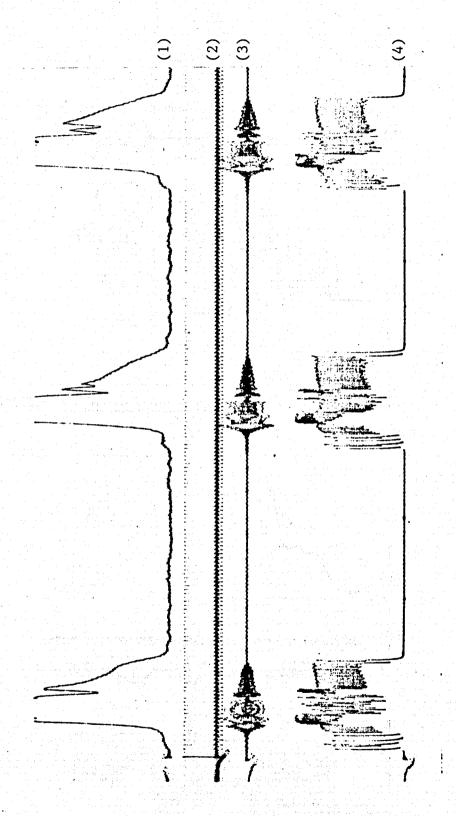


Figure 23: jari 'decoration', frame A



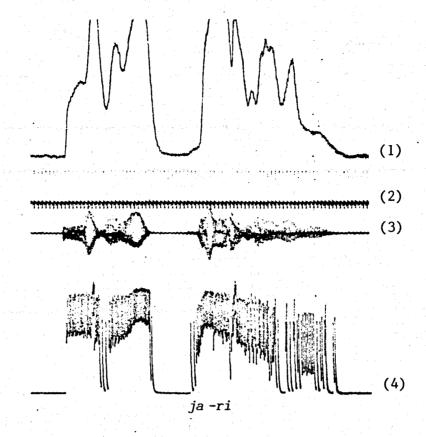


Figure 25: . 'decoration ' frame C

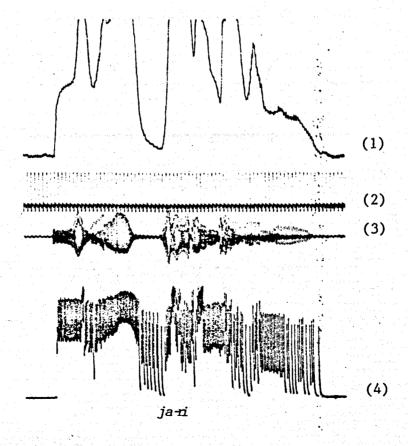


Figure 26: 'cassowary', frame C

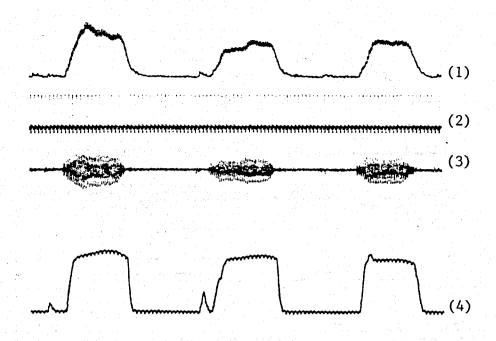


Figure 27 : 1S, frame A

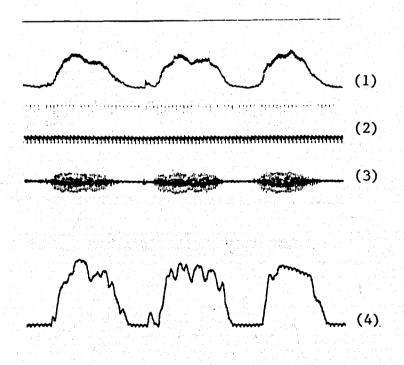


Figure 28: 2S, frame A

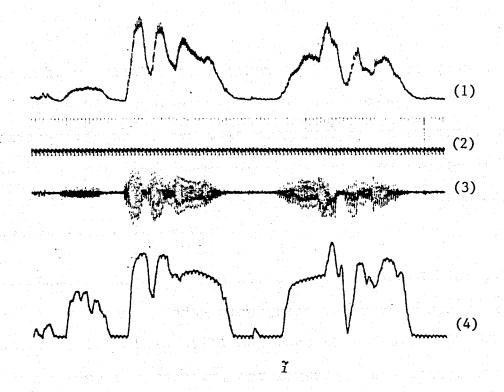


Figure 29: 1S. frame G.

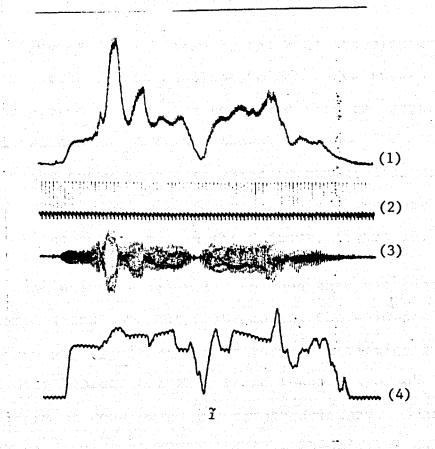


Figure 30: 2S, frame C

- A.2.3.7 A disyllabic pair (item 11, Amb: GUMU), showing a F and RF contrast in contours is shown in figures 19-22. Figure 19 is intrepreted as F, and this supported by the item's contour in the controlled frame, C, illustrated by figure 21. In much the same way, figure 22 supports intrepreting the tone curve shown in figure 20 as RF.
- A.2.3.8 Figures 23-26 (item 13, Br: GAM) record a disyllabic F <--> R contrast. These mingograms are not so clear as the previous ones, but it is still apparent that figure 23 can be argued as showing a F contour, and figure 24 a R contour. Both traces are fractured through intruding noise, and the dislocated traces have to be read as if lowered into their proper slots in the envelopes. Support for the interpretation of pitch curves is present in the mingograms of frame C, figures 25 & 26.
- A.2.3.9 Figures 27-30 (item 1, Na: WAB) are mingograms with single line, rather than envelope, pitch curve traces. Figure 27 is intrepreted as a rising tone, and this is supported by its contour within the C frame, shown in figure 29. The serrated edge of the curve in figure 28 is intrepreted as an overall fall, and corrobarative evidence for this is present in the mingogram of its occurrence in the C frame, figure 30.
- A.3 Conclusion. It will be seen that the question of tone is complex and somewhat problematic. The evidence suggests that speakers employ either two or three contrasting tones with mono- and disyllabics, but that these tonemes are not employed in any uniform or consistant way across Huliland. General statements about tonal contrasts eg that the minimal pair jari 'cassowary' and jari 'decoration' are distinguished by a low-

rising tone and a high-falling tone respectively - are difficult to maintain in the light of the evidence presented in table A.

A.3.1 About the most that can be said is that there seems to be a lot of agreement on the tones discriminating the 1S and 2S pronouns, and certain items (such as jari 'decoration') seem to be accorded the same tone in most/all areas.

A.3.2 Huli monosyllabics and disyllabics yield evidence of the four contrasting tones:

Tone 1 (falling) : grave (à)

Tone 2 (rising) : acute (á)

Tone 3 (level) : macron (\overline{a})

Tone 4 (rising-falling) : circumflex (â)

These tones will now be described.

A.4 TONE 1 : FALLING

- A.4.1 Both mono- and disyllabics showing this tone contour can be described as HM or ML falls. Examples of monosyllabics are given in figure 31a-d, and examples of disyllabics in figure 32a-d.
- A.4.2 The pitchline of the mingograms given in figure 31 illustrates the salient feature of this tone: a downward glide. Although this tone is described as a HM or ML fall, it is not the length but the direction of the fall that is critical in interpreting its status.
- A.4.3 In disyllabics, also, it is the direction of the tone contour that indicates whether or not an item is in this tone

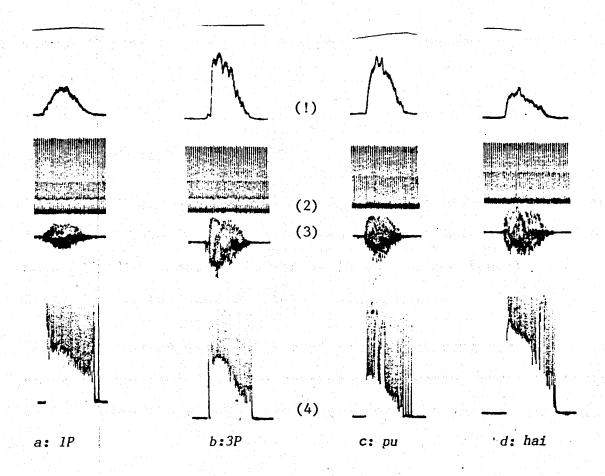


Figure 31: Tone 1 monosyllabics

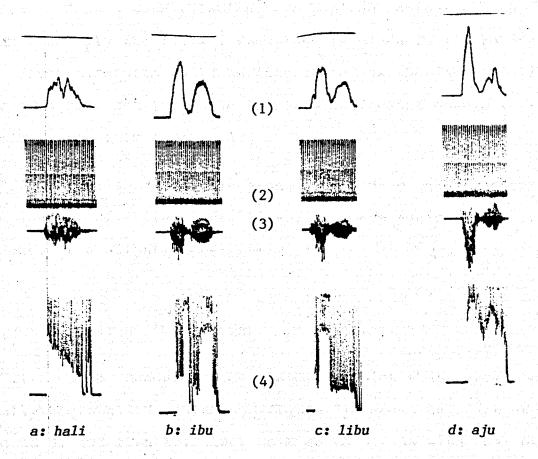


Figure 32: Tone 1 disyllabics

group. Figure 32 exemplifies this with mingograms of disyllabic items.

A.5 TONE 2: RISING

- A.5.1 Figures 33a-d and 34a-d exemplify monosyllalbic and disyllabic tone 2 items, which can be described as LM, MH or, possibly, LH rises. Once again, it is not the length but the direction of the contour that is significant.
- A.5.2 The duplex oscillogram trace in figure 33a owes its shape to the fact that the speaker was a woman, and frequencies in her voice above 800 Hz were registered below the line.

A.6 TONE 3: LEVEL

- A.6.1 Tone 3 monosyllabics have a pitch contour of HH, LL, or MM: usually the latter. Examples are given in figure 35a-d. The first mingogram could be interpreted as showing a slight rise in pitch, but this rise is not significant enough to suggest that the item is tone 1.
- A.6.2 Disyllabics of this group show a MM or HH pitch curve. Examples are given in figure 36a-d, and once again, there is a evidence of a slight, non-tonemic rise.

A.7 TONE 4: RISING-FALLING

A.7.1 Both monosyllabics and disyllabics that carry tone 4 usually begin at M (although figure 37a seems to start at L), rise to H, and then fall away to M or to L. As with the other

tones, it is the directional pattern that is significant.

A.7.2 Figure 37a-d illustrates tone 4 monosyllabics, and figure 38a-d tone 4 disyllabics.

A.8 POLYSYLLABICS

- A.8.1 Under this heading, polysyllabics of more than two syllables will be considered. With one possible exception, and excluding mono- and disyllalbic diads and triads that have undergone affixation, there are no minimally contrasting items of more than two syllables. The possible exception is damene, which can be glossed as 'kinsfolk/friends' or 'kindred things', some speakers claiming that the meanings are differentiated by tone. However, in the survey damene was always produced as tone 4, whatever its environment or meaning.
- A.8.2 The survey gathered data on tri-, tetra-, penta- and hexasyllabics. As was the case with with contrasting diads and triads, no pattern of universal usage emerged, beyond there being a correspondence between three of the contrasting tones and the tonal patterns assigned to trisyllalbics and above. These will be described briefly, in turn.
- A.8.3 Trisyllabics. The four tones were not all found in the data, there being no example of a rising tone contour (tone 2).
- A.8.3.1 Items with falling tone contours (tone 1), were such as the following:

dongone skin hariga track mbalini sibling of opposite sex igibu vine

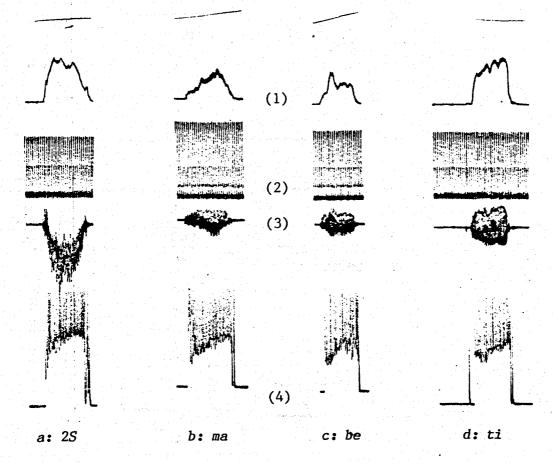


Figure 33: Tone 2 monolyllabics

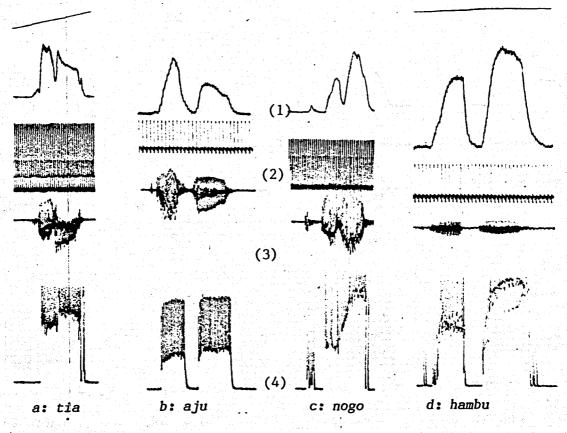


Figure 34: Tone 2 disyllabics

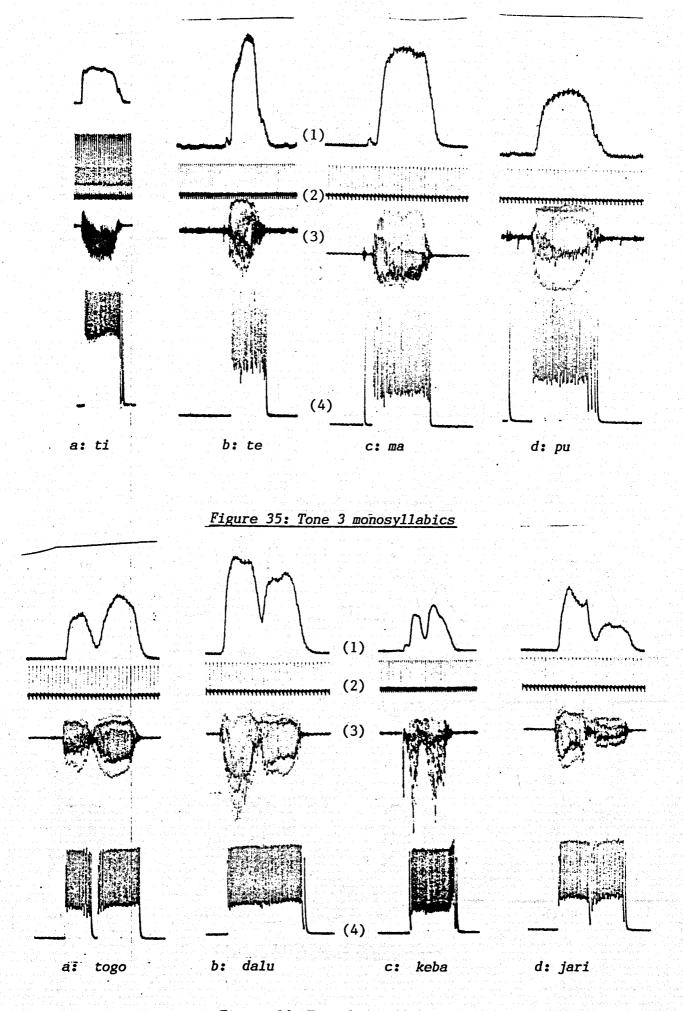
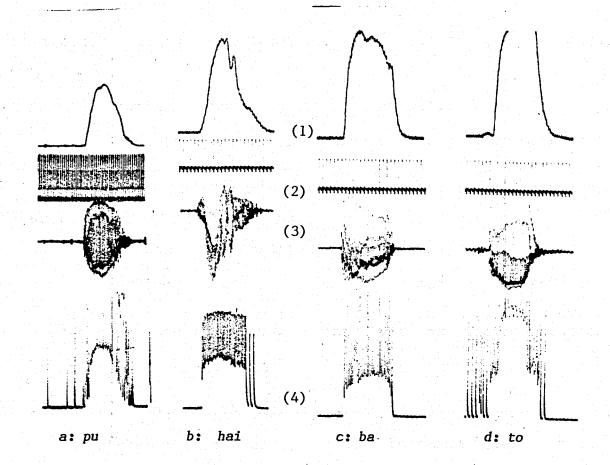


Figure 36: Tone 3 disyllabics



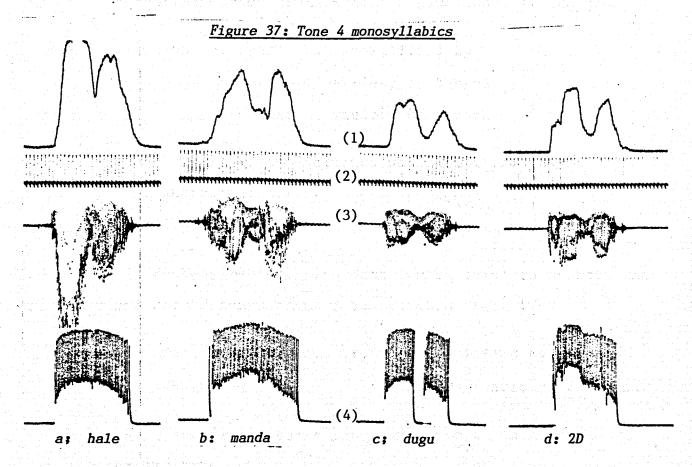


Figure 38: Tone 4 disyllabics

A.8.3.2 Items with level contours (tone 3) were exemplified by

igiri boy agali man jandare spear gambagwa cane grass

A.8.3.3 Items with rising-falling contours (tone 4) were such as

mememe accidently hamene brother abwaga bird damene kindred

- A.8.4 Tetrasyllalbics. Tone 2 was once again absent from the data.
- A.8.4.1 Tone 1, falling, was exemplified by

 igibali vine henemane truly

 humburini abode of the dead hawalanga string game
- A.8.4.2 Tone 3, level, was exemplified by

 hogorale variety of banana

 maramara variety of banana
- A.8.4.3 Tone 4, rising-falling, was exemplified by bibahende all, every babagane wing angibuni sow, female hingiduli hiccoughs
- A.8.5 Pentasyllabics. The data lacked evidence of both the first and second tones among five-syllable items.
- A.8.5.1 Tone 3, level contour, was exemplified by arangojabe bird miaramara variety of banana
- A.8.5.2 Tone 4, rising=falling, was exemplifed by

 halombijane ankle elebaijanga bird

 homagaliba species of pandanus arangojabe bird

A.8.6 Hexasyllabics. Only two examples of six-syllable unaffixed, simple - ie non-compound - words were present in the survey, since in previous data collections these were all I had found. They were omitted by most participants, possibly because they were from another dialect, and unfamiliar. One of them, girolalemame 'scented shrub', was produced on a risingfalling tone (tone 4) by most of those who tackled it, while the other, a variety of sweet potato called telolobaijanga, was generally recorded as a level contour (tone 3).

family girling for the short of a Appendix B for this consider that for a first

SOME MINGOGRAPHIC DATA ON INTONATION

A TOP IN THE REPORT OF THE PROPERTY OF THE FIRST TO A PROPERTY OF THE PROPERTY

APPENDIX B

SOME MINGOGRAPHIC DATA ON INTONATION

These data are presented as samples that lend some support to the interpretation of intonaton given in 4.4.

- B.1 The first mingogram illustrates intonation 3 across an initial group, leading in to the second, final, group, which is intonation 4. This is the interpretation given in 4.4.3.3.
- B.2 The second and third figures illustrate stepping up, in both cases on the S pronoun. This is a device for giving salience to an item (cf 4.4.4.4): "Yesterday I went to the garden", and "Where were YOU yesterday?".
- B.3 Figure 4 similarly gives salience to

BU pu hit/cut-STM go-2S-IMP PRES

by stepping up in tone, indicated on the mingogram.

B.4 Figures 5-7 are mingograms that make up text 3 (cf 12.2.3), and illustrate the basis for the interpretation of the intonation contours ascribed to that text.

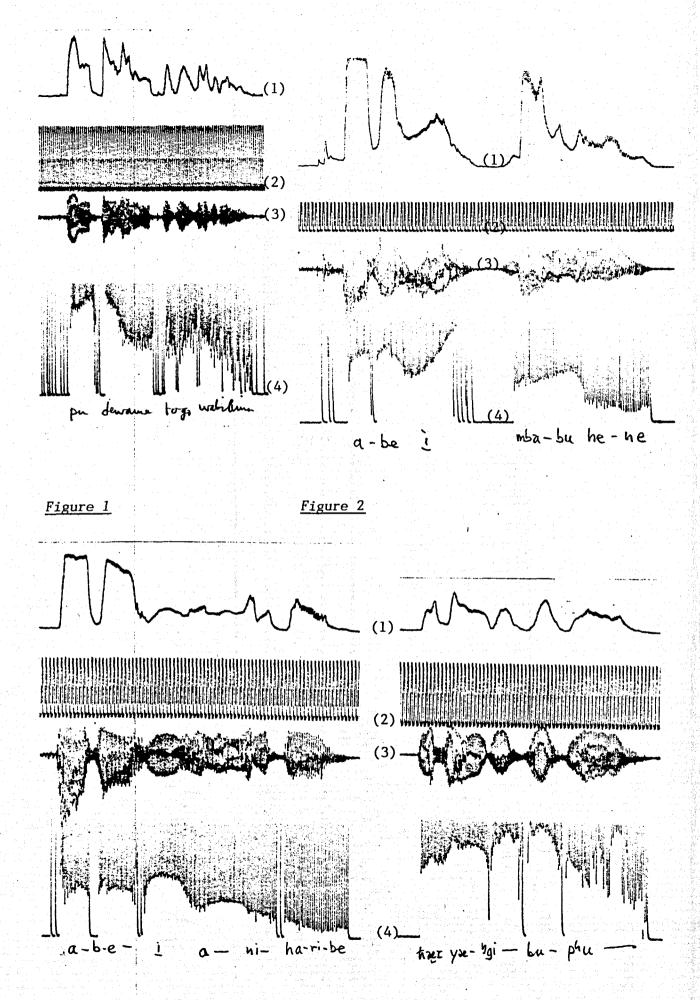


Figure 3

Figure 4



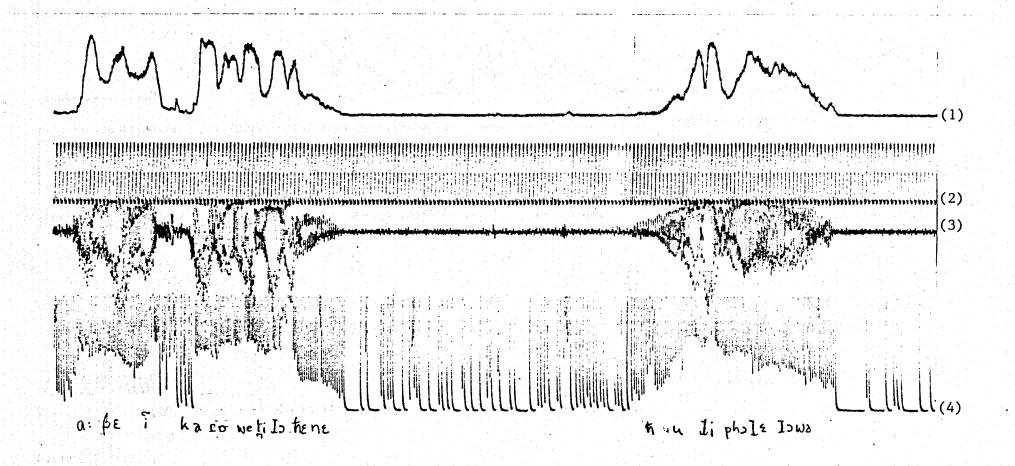


Figure 5

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APPENDIX C

SAMPLE SURVEY OF VERB CLASSES & SEMANTIC FIELDS

APPENDIX C

SAMPLE SURVEY OF VERB CLASSES & SEMANTIC FIELDS

(Numerals indicate the class/es to which the verbs belong. The initial numeral shows the primary morphosemantic classificatory category, and subsequent numerals - separated by full-stops - secondary semantic fields.)

```
he
                    1.3
                         recline, support, lean against
                         wilt, wither
             le
                    1
             bi
                    2
abi
                         pay wergild
                    2.1
             bi
                         make shiverings, be cold
amburi
                         grow, spread, proliferate incline, bank in flight
anda
             he
                    1
ande
             le
                    1.3
                    1.2
andiba
             he
                         control, secure, tie up
             le
                    1
anga
                         open, stretch
             he
                    1.2
                         by-pass, cross, step over
angwa
                    2
             bi
                         acupuncture
are
                    2
             bi
arema
                         repair thatch
             le
                    1
areme
                         say thanks, thank
             bi
                    2
                         change
ariba
             he
                    1.2
                         tie, tether
                    1
arini
             he
                         become old, age
arini
             1e
                    1
                         say again, repeat
             le
                    1
                         wither, fade
au
bai
             he
                    1.2
                         dismiss, throw away/down
                    1.2
bali
             he
                         have/be part full
             he
                    1
bani
                         appear, come to notice
                    1.2
bau
             1e
                         scour
                    1.2
baulwa
             he
                         make dull sound
             be
                    1
                         strike, hit
bega
             bi
                    2
                         peel, pare off
bereba
             he
                    1
                         disappear, pass from sight
                    2
             bi
                         make, do
bi
             1e
                    1
                         talk, speak, say, tell
bibiau
             1e
                    1
                         shudder, shiver
biri
             1e
                    1.3
                         jerk, kick out (in womb)
             biru
                    3
                         sit down, squat
                    2.1
             bi
boga
                         ripen
             boge
                    1.2
                         pare down, whittle
bolangwa
             he
                    1.2
                         overtake, pass, cross in front
bondo
             le
                    1.2. leak, drip
             1e
                    1.2
bonge
                         test, try
                         snap, break, give way
             le
                    1
bũ
             1e
                    1
buruqu
                         moan, sigh
da
             le
                    1.2
                         intertwine, weave
             1i
                    2.3
da
                         descend, come down
             dabe
                    1.2
                         choose
                    1
                         recover, regain health
dabi
             he
                    2
             bi
dabu
                         pay brideprice
                    2.1
             bi
dagare
                         make cold, be cold
             bi
                    2.1
dago
                         reprimand, scold
             bi
                    2
dai
                         return
dai
             le
                    1
                         harden
```

```
dali
             he
                    1.3
                         descend, come down
dambi
                    1.2
                         conceal, cover
             he
                         quieten, domesticate, tame
                    1
dambola
             he
danი
             he
                    1.2
                         incur debt
dano
             henge 1
                         repay debt
dara
                    1
                         have empathy
dariba
                    1.2
                         control, tether
             he
             dawe
                    1
                         steam-bake in the ground
dawe
                    1.3
                         quiver, flutter, hover
de
             hende 1
                         see
đe
                    1.2
             le
                         light, make to shine
                    1
dege
             de
                         fray, wear
                         be silent, be still
                    1
dembola
             he
                    2
                         cut, chop down, fell
             dibi
dimagoli
             he
                    1
                         have envy/jealousy, covert
             bi
                    2
dimbu
                          join, make a joining
diri
             le
                    1
                         stretch (oneself)
dο
             le
                    1
                         whistle
                    1.3
             1e
dõ
                            strike/stick out, swim
doborobo
             bi
                    2
                         exchange
             le
                    1
dodo
                         snap, break
dogo
             de
                    1.3
                         cut across
             dome
                    1.3
                         cross, erase, ford
                    1.2
dondo
             le
                         cut back, prune
donge
             bi
                    2
                         disregard, disobey
                    1
donge
             he
                         have motionlessness, be still
             bi
                    2
doro
                         heat
                    1.3
doro
             le
                         pursue, stalk, creep after
du
             le
                    1
                         weave, plait
ďũ
             le
                    1
                          sniff
duau
             le
                    1
                         bark
             dugwi 2.3
                         lift up, raise
                    1.2
dungwa
             he
                         spread out, lay out, cover
duru
             bi
                    2.1
                         scratch, itch
dwē
             le
                    1
                         retch
             de
                    1.2
                         draw a bowstring
e
             de
                    1
                          commit suicide by hanging
eanogo
ela
             he
                    1
                          touch
             bi
                    2.1
ema
                          shake, tremble
embeda
             he
                    1
                          forget
enene
             he
                    1
                         have fear, be afraid
             he
                    1
enge
                         betray, envy
ereba
             he
                    1.3
                         disappear, pass from sight
                    2
             bi
ga
                          chop into pieces
                    2.1
             bi
gã
                          scream
             he
                    1
                          become dry, dry out
gaba
             bi
                    2.1
gabu
                          dry, wither
             bi
                    2
                          be fine (of weather)
gaea
             bi
                    2.3
                         meet-and-greet
gaei
             bi
                    2
gai
                          break-and-share (food)
gãĩ
             le
                    1
                         meow
           gambiru 3.2
                          insert, stuff
                    1.2
             le
gandu
                          cut, clip (vine)
                    2.1
             bi
garali
                          scratch
                    2
                          squabble over possessions
garere
             bi
garibi
             1e
                    1
                          be hungry, feel hunger
             le
                    1
gãũ
                          how1
                    1
gembo
             le
                          show anger
gi
             he
                    1
                          have fear, be afraid
```

```
1.2
                         dismantle, take down
gia
             le
                    2
gili
             bi
                         drag, draw, write
                    2
gini
             bi
                         play
             de
                    1.2
                         mound earth
qο
                    1
             le
                         undress, take off
qo
                         get old, rot
                    1
             he
goba
                    1
gomogomo
             le
                         grumble
             le.
                    1.3
                         slip
gondo
                    2
gono
             wi
                         set a trap
                    1
gugu
             he
                         be overcast, be dull
                    2
                         set down land boundaries
             wi
qumu
                    2
             bi
                         fight with fists
gungu
                    2
             quji
                         bake in ashes
                    1.2 untie, loosen
ha
             de
                    1
hã
             le
                         pant, gasp
                         seek, look for
hai
             bi
                    2
hãĩ
             he
                    1
                         smear, anoint, cover
             bi
                    2.1
halaga
                         dream, see a vision
hale
             he
                    1
                         hear, listen
                    1.3
hale
             he
                         remove (oneself), step aside
hãlõ
             he
                    1
                         stand still, rest.
             le
                    1
                         like, love
hame
             he
                    1
                         have, be, exist
             hende 1
                         sense, feel, experience
             hene
                    1
                         have/carry (in a string bag)
hẽ
                    1.2
             le
                         grunt, push
                    2
                         roast in flames
             hiri
             hundi 2.3
                         die down, recede
             ibu
                    3
                         come
             he
                    1.3
                         rise, climb
iraga
kambu
             le
                    1.2
                          shatter, smash, break
keba
             he
                    1
                         have anger, be angry
             he
                    1
kera
                         have anger, be angry
                    2.1
korali
             bi
                         scratch
             le
                    1
                         utter, speak
             li
                    2
                         adze
mali
                    1.3
                          lean against, support, recline
             he
                    2.3
mali
             li
                         dance a mali
manda
             bi
                    2.1
                         work-head, know, think
             mi
                    2
                          take, give
mitangi
             bi
                    2.1
                          think, remember
             le
                    1
mugu
                         close, shut
nde
             le
                    1
                         betray
ndibu
             le
                    1.2
                          close, tighten
             ne
                    1
                          ingest
             ngi
                    2
                          take, give
             he
                    1.3
ngola
                          encounter, meet along the road
             le
                    1
ngwã
                          squeal
             he
                    1
                         mourn, lament, wail
             palu
                    3
                          recline, lie down, sleep
                    1
             le
pambu
                          break, splinter
                    3
             pu
                          qo
                    1
             te
pu
                          urinate
                    1
taga
             he
                          have shame, lose face
                    2
             bi
tai
                          seek, search for
             te
                    1
                          emit, eject
                    1
ti
             te
                          defecate
             le
                    1
tongo
                          snap, break, give way, expire
                    1
                         blow one's nose
tũ
             le
```

| turu | he | 1 | have well-being, be | happy |
|------|-------|-----|---------------------|-------|
| | ungwi | 2 | pluck (fruit) | |
| | ware | 1.2 | herd, drove | |
| | wi | 2 | place, put down | |

The property of the second of

APPENDIX D

GLOSSARY

Huli items that appear in the thesis are entered here in lexicon form, loan words being indicated in the usual way. Numeratives (7.6), determiners (7.7) and special lexical sets (cf 10.5.2.2) are mostly excluded. Nominals are indicated by 'n', and verbals by 'v', otherwise abbreviations are as in the body of the study, but in the lower case. Numerals indicate classes, and upper case single letters indicate the ev to which an item is normally assigned (thus: K signifies an item assigned to ka).

| aba father | n2K |
|----------------------------------------|-------|
| abale quickly; previously | adv |
| abe yesterday | adv |
| abi bi pay wergild | apv2 |
| adagudi bi ana ana ana ana ana ana ana | apv2 |
| adoge armpit | nĺ |
| ãeã blessing | nl |
| aea descendant | nlB/K |
| aga cloak | nlNg |
| agali man | nlK |
| agalini husband | nlK |
| agi what? | adv |
| agi what? | adv |
| ago which? where? | adv |
| agwa how? | adv |
| agwa good! ah! | excl. |
| agwane ancestor | nlK/B |
| ai ah! | excl |
| ãīja mother | n2B |
| ala before; long ago | adv |
| alendo afternoon | adv |
| alwa sp. bird | nlB |
| aluba reed grass | nlK |
| ama maternal aunt <> niece/nephew | n2B/K |
| ambwa yellow clay | nl |
| amu along across there | adv |
| anda house; dwelling place | nlK |
| | nl |
| andane covering andira shelter | nlK |
| andoba soot | nl |
| andwane owner | nlK |
| anga pandanus | nlK |
| angari beard | nl |
| ange bund | nl |
| ange bund angi when? | adv |
| ani thus | adv |
| ani where? | adv |
| anona sp. tree | nlK |
| au here! | excl |
| auhe dim | adn |
| | |

```
aula everlasting daisy
                                      nlK
aule withered
                                      adn
aware close, nearby
                                      adv
ajane paternal uncle <--> nephew/niece n2K/B
ajo
    sp. frog
                                      nlB
   axe
aju
                                      nlNq
aju now; today
                                      adv
   thigh
                                      n1
baba along with
                                      COM
bai
     sp. tree
                                      nlK
bai he cast aside
                                      apvl
bamba before
                                      adv
bame nothing
                                      adv
bapalo* buffalo
                                      nlK
bare steep
                                      adn
baulwa dull sound
                                      nl
bajale good
                                      adn
bajwa
      well; good
                                      adv
be bamboo
be hit; kill
                                      nlK
                                      vl
beba* paper
                                      nlNq
beda exists
                                      ev
bedaguli boil; swelling
                                      nlK
bereliba cloud
                                      nlK/Ng
bi make/do
                                      v2
   word; talk; speech
                                      nl
bi te folktale
                                     ·nl
biabe work
                                      nl
biabe bi work
                                      apv
biango dog
                                      nlK
bibahende all; every
                                      adn
biru sit down
                                     · v3
bodo hide; nest
                                      nl
bolangwa he pass; step by
                                      apv1
bu liver
                                      nlP/Ng
bu le break; snap
                                      apvl
bu de tear open
                                      apv1
bule broken
                                      adn
buni liver
                                      nlP/Ng
da exists
                                      ev
da bi choose
                                      apv2
da li descend
                                      apv2
dabe
      choose
                                      vl:
dade recede
                                      vl
dagia plank
dai bi return
                                      nlK/Ng
                                      apv2
daliga up above
                                      adv
dalimu loudly
                                      adn
daliwa strongly
                                      adv
dalo spouse-less
                                      n1/adn
daloali leader of bachelor cult
                                      nlK
dalu homeland
                                      nlK
dalu rain
                                      nl
dalu tu raincape
                                      nlNg
dama spirit
                                      nlK
damba bi mediator talk
                                      nl
dambale string sporran
                                      nlK/Ng
```

```
damene
danda
         related things/persons
                                           nl
         bow
                                           nlK/Ng
dandaji warrior; hunter; bowman
                                           nlK
dange cowrie shell darama blood
                                           nlNg/K
                                           nlB
daramabi red
                                           adn
datani swordgrass
                                           nlK
dawe steam-cook in the ground
                                           vl
dawe wake; dance
                                           nl
dawere sp. bird de eye de shine
                                         nlB
                                           nlP
                                           vl
debene good
                                           adn
dege only dele flying squirrel
                                           adv
                                           nlB
dendebi sweet; tender
                                           adn
dengwi face
                                           nlK
dewa many dibe chop; fell
                                           adn
                                           apvl
dindi ground; soil
dinini ghost
                                           nlK
                                           nlK
do le whistle
                                           apvl
dõ le swim
dodo dirt
                                           apvl
                                           nlK/Ng
doe le retch
dombagwa mediator
                                           apvl
                                           nlK
du sugar cane
dugi sp. sweet potato
dugu sp. tree
dugu womens' mourning chant
                                           nlK
                                           nlP
                                           nlK
                                           nl
dugu bi wail; cry
                                           apv2
dugwi lire
nowl
         lift up; pull up
                                           apv2
                                           apvl
dwani break into
                                           v2
dwî le twitter
                                           apvl
e new garden e yes!
                                           nlNq
                                           pos
eanogo de commit suicide
                                           apvl
ede across over there
                                           adv
ega bird
egari feather
ege moon; rock
                                           nlB
                                           nl
                                           nlK
ege tõle stone
                                           nlK
egene shoot; sapling
                                           nlK
egerebagi morning
                                           adv
embone pate; skull
                                           nl
emene small; little
                                           adn
gabamanali* administration officer
                                           nlK
gabamane* government; administration
                                           nlK
gabwa wild
                                           adn
gaea bi fair up; be fine;
                                           apv2
gahange
         new
                                           adn
gai bi tire; be tired
                                           apv2
gali baby
                                           nlB/K
galone important gambe cane grass
                                           adn
                                           nlK
gana ditch
                                           nl
```

```
ganarwa drain; large ditch
                                      nl
gandebo vision
                                      nl
gandoma sp. sweet potato
                                      nlP
garere bi squabble over possessions
                                      apv2
garo*
       car; tractor
                                      nlK
gauni new
                                      adn
     mouth bow
qãwã 🦠
                                      nlNg/K
ge leg; foot
                                      nlK
ge su* shoe
                                      nl
gebeali cave shrine curator; clan totemnlK
gereba green leaf vegetable
gewa cane vine
                                      nlNg/B
gi arm; hand
                                      nlK
gi he fear; be afraid
                                      apvl
giambe hard
                                      adn
       joint; joining
gimbu
                                      nl
gini bi play
                                      apv2
     mist
ginu
                                      nl
     type of arrow
qobi
                                      nlK/Ng
gode mound earth
                                      v1
golia pen; cage
                                      nl
goloba vermillion clay
                                      nl
golobabi vermillion
                                      adn
gono
      trap
                                      nlK
goti* court
                                      nl
gugu sp. nut tree
                                      nlK
gumba shade
                                      nl
qumbwa shade
                                      nl
gungu bi fight
                                      apv2
quni* corn
                                      nlK
gununu sp. beetle; aeroplane
                                      nlB.K
gurijage swing
                                      nl
guji bake in ashes
                                      v2
gwa bi hollow out
                                      apv2
gwali glittering
                                      adn
      groove; hollow
gwane
                                      n1/adn
habagwa sp. bird
                                      nlB
habane
        fat
                                      nl
habe sp. tree
                                      nlK
habia slime cabbage
                                      nlK
habono digging stick
                                      nlK/Ng
habwabi greedy
                                      adn
hagabuni woman's sister
                                      n2B
hai banana
                                      nlK/D
hãī he smear; spread
                                      apvl
hale ear
                                      nlK
hale he listen; hear
                                      apvl
hãlõ he be breathless
                                      apvl
hama cleared ground
                                      nlK
hame le like
                                      apvl
       man's brother
hamene
                                      nlK
hamiqini clan
                                      nlP
hamigini emene
                subclan
                                      nlP
hanare* hundred
                                      num
hangu alone; only
                                      adv
haño sp. bird
                                     nlB
hari mountain; sky
                                      nlK
hariga track
                                      nlNg
```

```
haroli member of bachelor cult
                                           nlK
hãũ he collapse
                                           apvl
hende push
hende sense; feel; see
hende pig rope
                                           apvl
                                           vl
                                           nlNq
hendore softly
                                           adv
henene true; truly
                                           adn
henge plant
henge space
                                           vl
                                           n1
herelibi salt
                                        nlNa
hewa sp. tree
                                          nlK
heji stand up
hi he sweep
                                           v2
                                           apvl
hibu ne kindle
                                           apvl
hina sweet potato
                                           nlP/Nq
hiri roast
                                           v2
hirijule jaws' harp
hiwa sago
                                           nlNg/K
                                           nlK
homakwi burial pall
                                           nlK
home be sick; die
                                          vl
homogo wealthy man
                                          nlK
hona / hone ginger pig
                                          nlK
honabi gingerish; pale; whiteman
                                       nlK
hondo to
                                          adv
hondo he wait
                                          apvl
hondwa sp. banana
                                           nlK
hone spirit stone
                                           nlK
hongo strength hongohe strong
                                           nlNq
                                           adn
horo day
                                           adv
horwa rafter
                                           nlK
horombe midday ....
                                           adv
hubane bundle
                                           nlNq
hubi sp. shrub
                                           nlK
hubwa wrapping
                                           nl
hungi sp. shrub
                                           nlK
huru rodent
                                           nlB
hurwa grass skirt
                                           nl
1S
                                           prn
ĩ 2S
                                           prn
iba water
                                           nlB
iba be water container iba gana drain; song
                                           nlNq/B
                                           nl
ibi salt
                                          nlNg
ibu 3S
                                           prn
     come
ibu
                                           v3
igini son
igiri boy; young man
ilili custom
imane man's in-laws
                                          nlK
                                          nlK
                                           nlNg
                                           nlK/B
ina lP
                                           prn
ira tree; wood; fire
irabu bush
                                          nlK/Ng
                                           nlK
iraga he climb
                                           apvl
iri hair
                                          nlNq/K
irigijidi sp. fungus
                                          nlD
ija 1D
                                           prn
```

```
exists
                                        ev
     poetry; praise
kãĩ
                                       nl
kãī
     le praise; recite
                                        apvl
kango club
                                       nlK/Ng
karajaké cockroach
                                       nlB
kaju bi steal
                                        apv2
ke he
        lie
                                        apvl
keba digging stick
                                        nlK/Ng
keba he be angry
                                        avpl
kebeali cave-shrine curator; clan totem nlK
ko bad
                                        nl.
kõnõ bladder
                                        nlP
korali shallow pit
                                        nl
kulãu he pet; fondle; pat
                                        apvl
kujama threatening; dour
                                        adn
kwa sp. tree
kwe sp. bird
                                       nlK
                                       nlB
kwikwi bi have a formal dispute
                                       apv2
labolabo* cloth
                                        nlK/Nq
lai he swear
                                        apvl
lamu*
      lamp
                                        nl
lau le sprinkle
                                        apvl
le utter
                                        vl.
le bi
       sew
                                        apv2
lebage sp. snake
                                        nlNg
lebe two days ago
                                        adv
lebene three days ago
                                        áđv.
li adze; plane
                                        v2
li up there
                                        adv
lone again
lotu* prayer service
                                       adv
                                       nl
lu / luni long
                                       adn
luma two days hence
                                        adv
lumani three days hence
                                       adv.
lwabi sp. frog
                                       nlB
ma neck
                                       nl
ma taro
                                       nlK
mabu garden
                                       nlK
mabwage marriageable
                                       adn.
madane bi be mean; be spiteful
                                       apv2
magadi* market
                                       nl
mani later
                                       adv:
mali dance; burial platform
                                       nl
mamage he guard
                                       apvl
mamali ancestor
                                       nlK/B
mana -
       lore
                                       nlNg
manaji wise man; holder of lore
                                       nlK
manda wig; head
                                       nl
manda bi know; think
                                       apv2
mandiri hair (on head)
                                       nl
manga he dislike
                                       apvl
marasini* medicine
                                       nl
majabu raincape
                                       nl
mbagwa tree oil
                                       nl
mbalape flat mbalini sibling of opposite sex
                                       adn
                                       n2K/B
mbira one
                                       num.
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mbiraga darkness nl: mbirini meat nl mbiru once adv mbola sp frog nlB mbu peel, shaving nl me nothing adv mege bi mock; insult apv2 mememe accidently adv mende second; other adn mi take/give v3 minana by chance adv mindi black pig nlK mindibi black/blue adn mine catch vl. name; mind mini nlNg misa* Mass nl mitangi bi remember; think apv2 mogo le start; be surprised apvl mone wasp nlD/B mu sand nl muna dawn nl mundu tobacco nlNg mundu be tobacco pipe nlNq muni* money nlNg naga wi sharpen apv2 across nearby adv nama diging stick nlNg/K nana down at the bottom adv nano fungus nlD nde then! excl ndoba tree sap nlD/Ng nduli wedge nlNg ndwe le apvl ne ingest vl ne tooth nlK/Ng nga exists ev nga bi smell sweet apv2 ngi give v2 ngu bi smell foul apv2 ngwe worm nlP ngwa he farewell apvl ngwai he gather apvl ngwi nose nlK/Nq ni down below adv ni sun nlK nigi nettle nl nogo pig nlK nogoba fighting pick nlK/Ng nu string bag nlNg nunu down across adv o this; here det o women's mourning chant nl oali local person nlK/B oba he smile; laugh apvl obene stranger ogoni that nlK/B det omwa sp. grub nlP

| one wife | nlB |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ore very | adv? |
| | |
| pabe fence | nlNg |
| paboro bean | nlK |
| pada exists | ev |
| pada* minister; priest | nlK |
| pagida armband | nl |
| palu die down but Appending to the | v 3 |
| pani retribution | nl |
| pau le crease; fold | apvl |
| paja shoulder | nl |
| pi stake | nlK |
| pi le stumble; fall | apvl |
| pī pō le slander | apvl |
| pi-em-bi* public motor vehicle | nlK |
| pĩãũ he shake; shiver | apvl |
| pigane first | adv |
| pilipe bamboo flute | nlNg/K |
| pini rootaya a sa | nlP/Ng |
| pira ten di di della di | num |
| po pungent odour | nlNg |
| podagi pointed roofed | adn |
| pode quarter; butcher | apvl |
| pongo knot | nlNg |
| pu go | v3 |
| puggiurine garage and a second of the | nlNg/B |
| pu vine; rope | nlNg |
| pungunu poor man | nlK |
| pugwa swamp | nlB/Ng |
| pungwa soot | nl |
| puja sp. python | nlNg |
| pujulabe ceremonial braid | nl |
| | The state of the s |
| sande* Sunday | n2 |
| sarere* Saturday; week | n2 |
| sarere* emene Saturday | n2 |
| sarere* timbuni Sunday | n2 |
| siki* sick; ill | adn |
| sindaun* sit down | Λ. |
| stoa* store page of making the coloring of the | nlK |
| stretim* bi correct; put right | apv2 |
| | |
| tabage in drum: 1928 1848 1948 1948 1948 | nl |
| tabuhe decrepit | adn |
| taga he lose face; be ashamed | apvl |
| tagira outside | adv |
| tago addition | adn/adv |
| taiga* tiger in this contract the same and the | nlK |
| tambone cold | adn |
| tamu inside was a light of the same and the | adv |
| tamunguru sleeping mat | n1 |
| tandaga pain | nl |
| tangwi paddle; churn up | v2 |
| tani weed/s | nlK |
| tau dust by a second of the se | nlNg |
| tau scrotum | nlK |
| tajanda high bush | nlK |
| te gemit | v1 |
| 어느님이 되는 사람들이 어느 목표를 하는 것이 가장 하는 사람들은 것이 가지 않아 되는 것이 되었다면서 다른 | |

| stand; 2P 3P 3P 3P 3P 3P 3P 4 | nlng/k prn prn prn apvl nlB nlK nl adn/adv apvl adn nlK/Ng nlP/Ng nlN/Ng nlN/Ng nlNg apvl nlNg apvl nlNg apvl nlNg apvl nlNg nlNg apvl nlNg nlNg nlNg nlNg nlNg nlNg nlNg nlN |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| gesture o bridge o le rot e stone be till be stomach ia spell; cur o food boundary le clear away wi pluck sp. bird | nl nlNg apvl nlNg/K vl nlP/K nl nlNg nlNg nlNg apvl v2 |
| lagi short u he be happy ungu kindling cheek limbu sp. vine le splutter | |
| men's le yod bija sp du up o li hole mu le d ngwa he nu down ju up th | nl apvl nlB adv nlNg apvl apvl apvl adv adv |
| wagaya wax; tree gum wahe old wai bi make war wali woman wali he show walia he show wandari girl wane daughter wanehange new | nlNg adn apv2 nlB apvl apvl apvl nlB nlB nlB |
| wanigini children ware herd wash* bi wash we le gesture rudely wedi* wait wedi* le wait | nlK/B vl apv2 apv1 v? apv1 |

| weli* oil wena fish wene shortly; soon wi penis wi place; put down | nlNg nlB adv nlK/D/Ng v2 |
|--------------------------------------------------------------------|--------------------------------------|
| jagibano poor man | nlK |
| jago frog | nlB |
| jakundi star | nlK |
| jandare spear | nlK/Ng |
| jari cassowary | nlB |
| jari decoration | nlNg |
| jatagaja star | nlK |
| jawi tomorrow | adv |
| ji hold | v2 |
| jobage cryptic action/saying | adn |
| jole crooked | adn |
| jolo bi buy | apv2 |
| joroma bi decant | apv2 |