

PRAGMATIC FUNCTIONS OF THE TONE MORPHEMES ON ILLOCUTIONARY FORCE PARTICLES IN IAU

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This paper completes the three part series about the use of the tone morphemes in Iau verb morphology. The same set of eight basic tone morphemes in Iau which are used on verb stems to indicate aspect and on other post verbal particles to indicate status (Bateman, 1986a, 1986b), are used on illocutionary force particles to indicate both the relationship of the information to discourse topic and the speaker hearer relationship.

1.0 INTRODUCTION¹

In Iau, a set of segmental particles occurring optionally at the end of the sentence indicates the illocutionary force of the utterance.² The segmental illocutionary force particles are of two types. One set of particles which receive major stress relative to the other postverbal particles indicates that the primary role of the proposition in the discourse is to give information to the hearer. These particles mark statements. Another set of sentence final illocutionary force particles are unstressed and indicate that the primary role of the proposition in the discourse is to give information to the hearer. These particles mark statements. The third set of sentence final illocutionary force particles are unstressed and indicate that the primary role of the proposition³ is to elicit a response from the hearer. These particles mark directives³ and yes-no questions.

The set of tone morphemes that occur on these particles are the same set of tone morphemes that occur on verbs as aspect morphemes and on other postverbal particles as status morphemes. On the illocutionary force segmental particles, the tone morphemes give pragmatic information about the dynamics of the conversational exchange between the speaker and hearer. The tone morphemes on these particles all have two simultaneous functions. One function is to indicate three different degrees to which the speaker actually expects to achieve the illocutionary force goal indicated by the segmental particle. The three degrees of expected goal achievement are as follows: (1) The speaker expects to achieve the goal by using the utterance; (2) The speaker expects immediate achievement of the goal by using the utterance; (3) The speaker does not necessarily expect to achieve the goal.

When the tone morphemes occur on directive utterances, which have the illocutionary force goal of causing the hearer to do the action, they indicate whether the speaker is authoritative towards the hearer or not. When the Iau tone morphemes occur on statements, they indicate whether the statement achieves the discourse goal of predicating information about the discourse topic or not. Peripheral information or information that the speaker is offering in a very deferential nonassertive way is marked as being not directly asserted about the discourse topic. When the tone morphemes occur on yes-no question markers, which have the illocutionary force goal of getting the hearer to confirm that the information in the yes-no question is correct, the tone morphemes indicate whether the speaker feels that the hearer will confirm the information in the question as correct or not.

The second function of the Iau tone morphemes is to indicate three different speaker hearer relationships to each other and to the achievement of the illocutionary force goals of the utterance. The three relationships are as follows: (1) The speaker considers himself a primary achiever of the illocutionary force goals of the utterance and expects the hearer to accept or comply with the utterance; (2) The speaker considers the hearer to be the primary achiever of the illocutionary force goals of the utterance and expects the hearer to accept the utterance, or comply with the demands of the utterance; (3) The speaker considers the hearer the primary achiever of the illocutionary force goals of the utterance but is not certain that the hearer will accept the utterance or comply with the demands of the utterance.

On directive utterances, the Iau tone morphemes on the segmental illocutionary force particles indicate whether the speaker expects the hearer to obey his directive and also whether or not the speaker in addition to the hearer is a participant in bringing about the action. On statements, the Iau tone morphemes indicate the degree to which the speaker expects the hearer to accept the information being communicated by the statement. The tone morphemes on statements also indicate speaker hearer relationship in terms of which participant is controlling or attempting to control the flow of information about the discourse topic. On yes-no questions, the tone morphemes indicate whether the speaker is using the question to control the conversation or not and the degree of speaker commitment to truth of the information in the question.

Figure 1 below shows the Iau tone morphemes which occur on segmental illocutionary force particles and defines their meanings in terms of the two basic functions of the tone morphemes: Indicating the degree of achievement of the illocutionary force goal of the utterance and indicating the speaker hearer relationship to each other and to the achievement of the illocutionary force goals. The tones in the chart in figure 1 are the same tone morphemes that occur on verb stems as aspect tone morphemes and on other post verbal particles as status⁴ tone morphemes. See Bateman, 1936a, 1936b for complete discussions of the other meanings of the tone morphemes. The tone morphemes in figure 1 are arranged in the same semantic groupings and relationships to one another as they are in the aspect and status tone morpheme systems. This will be discussed in section 5 of this paper.

FIGURE 1. PRAGMATIC FUNCTIONS OF THE TONE MORPHEMES ON SEGMENTAL ILLOCUTIONARY FORCE PARTICLES

ACHIEVEMENT OF ILLOCUTIONARY FORCE GOAL	ILLOCUTIONARY FORCE GOAL		
	Speaker Also Achiever	Hearer is Achiever	Hearer is Achiever
	--	--	--
	Hearer Expected to Accept	Hearer Expected to Accept	Hearer is not Expected to Accept
Achieved	9	3	7
Being Achieved in Immediate Present	(6)	8	
Not Necessarily Achieved	5	(2)	4

As shown in figure 1, only six of the eight basic tone morphemes occur on the segmental illocutionary force particles. Tones 6 and 2, shown in parenthesis have not been found in the conversational contexts studied thus far. Tone 6 however does occur on exclamations. This is discussed in section 4 and 5 of this paper.

2.0 FUNCTIONS OF THE IAU TONE MORPHEMES ON DIRECTIVES

Directives (Lyons 1977:746) are a class of utterances that include commands, demands, requests, entreaties, warnings, recommendations, and exhortations. Directives are utterances through which the speaker tries to influence the behavior of the hearer. An utterance is marked as a directive in Iau either by the presence of an obligation particle, or by one of the illocutionary force particles that indicates that the speaker wants the hearer to do something.

The following chart shows the meanings of the Iau tone morphemes on mood particles in sentences with the illocutionary force of directives.

FIGURE 2. PRAGMATIC FUNCTIONS OF THE TONE MORPHEMES ON DIRECTIVES

Speaker Hearer Interaction in Achieving the Illocutionary Force Goal			
Achievement of Illocutionary Force Goal	Speaker Included in Response	Expect Response	Attempt to Persuade Response
Speaker Authoritative: Goal Achieved	9 SRS.SA	3 RS.SA	7 PRS.SA
Speaker Authoritative: Immediate Achievement	--	8 RS.SA.IR	--
Speaker Non Authoritative Questionable Achievement	5 SRS.SNA	--	4 PRS.SNA

The tones in the first column are used when the speaker also participates in the response in some way. Tone 5 is used on commands such as "Let's do x" in which the speaker is also a participant in bringing about the action. Tone 9 is used when the speaker is recommending a course of action as what he would do in a given situation.

The tones in the second column are used when the speaker expects the hearer to comply, i.e. respond to his command. In contrast to the first column it is the hearer alone who brings about the action. Tone 3 is used on ordinary commands. Tone 8 is used in situations where the speaker is emphasizing or expecting an immediate response.

The tones in the third column are used when the speaker is not sure that the hearer is willing to comply with his directive and he is hoping to persuade the hearer to bring about the action. Tone 7 is used on commands when the hearer is resistant and the speaker is still trying to get the desired response but doesn't have much hope. Tone 4 is used to express desires when the speaker feels the hearer is not likely to comply.

The functions of the tones displayed along the left hand side of the chart in Figure 1 indicate the degree of authority that the speaker is exercising over the hearer. Tones 9, 3 and 7 are used when the speaker is taking an authoritative role relative to the hearer. Tone 9 is used on directives giving advice. Tone 3 is used on commands and requests and tone 7 is used on commands when the hearer is resistant but the speaker is still trying to persuade him to respond. In contrast, tone 8 which is also speaker authoritative is used when the speaker is demanding an immediate response.

The tones in the bottom row of the chart, tones 5 and 4, are used when the speaker is not taking an authoritative position over the hearer. That is, the speaker does not feel that he has the right to demand a response from the hearer. Tone 5 is used on suggested joint actions such as "Let's

do x." Tone 4 is used on expressions of desire when the speaker feels the hearer may not be willing to comply. In the remainder of this section, examples are given of each of the tone morphemes used on directives.

The use of a tone 9 on a directive indicates that the speaker is authoritative (SA), i.e. he intends to achieve his goal of eliciting a response by means of the utterance. Tone 9 also indicates that the speaker views himself as a participant in the desired response in some way (SRS). The following is an example of tone 9 on a directive utterance.

1. Dy⁸ bi⁹ai² da⁸dv⁹ by⁷ ui⁸
 then tired-TEL.INC MVClCon Res Act house
 fe⁶ka⁴ de⁷ to⁹
 sleep-TEL.INC Sta-HYP Contr-SRS.SA

'If you are tired, then you should be asleep in your house!'

In the example above, the segmental illocutionary force particle to is marked with a tone 9. The speaker is using the utterance to get the speaker to follow the course of action that he would take if he were in the same situation.

The use of tone 3 on a directive indicates that the speaker intends to achieve his goal of eliciting a response by means of the utterance and that he expects the hearer to respond to bring it about. Tone 3 morphemes are used on direct commands, prohibitions, and also on requests. Commands in Iau are marked by the imperative particle dy³ as illustrated in the example below.

2. Ui⁸ bv⁸ i⁷ dy³
 house to go-TOT.PUN Imp-RS.SA

'Go home! /Go to the house!'

Prohibitions₃ are also marked by a tone 3 on the illocutionary force particle day³ as illustrated below.

3. Di⁹ dy⁴sy⁷ i⁷ day³
 2s Prohib go-TOT.INC Prohib-RS.SA

'You shouldn't go! /Don't go!'

The examples above have a tone 3 morpheme on the sentence final illocutionary force particle. The speaker uses the tone 3 particle to indicate that he expects a response from the hearer (RS) and is authoritative (SA).

In addition to direct commands and prohibitions, Iau has a number of ways of issuing softened, more polite commands in the form of requests for permission, requests for action and the wishes and desires. The following are some examples which use a tone 3 morpheme on the sentence final illocutionary force particle.

4. A⁹ i⁷ bv³?
 1s go-TOT.PUN Rq-RS.SA

'Shall I go?'

5. Bv⁸kv⁷ ba⁷bv⁹ di⁹ sy⁹ e⁸-fe⁷ o⁷ di⁷
 book this 2s Ob1 1s-Benef take-TOT.INC PBd-HYP
 y³
 Info-RS.SA

'You should get this book for me if you will.'

- Sy⁹ e⁸-fe⁷ o⁷ bv³.
 Ob1 1s-Benef take-TOT.INC Rq-RS.SA

'Would you get it for me, please?
 /Would you be willing to get it for me?'

6. A⁹ bv⁸ku⁷ doe⁷ se⁴ di⁴du⁷be⁷
 ls₄ book see-TQT.INC Inten-URLZ IC1Con Advers
 di⁴ y₃
 happen-TEL.INC Info-RS.SA

'I would like to look at books if I could.'

In the examples above, the segmental illocutionary force particles make these utterances softened or more polite commands, but the tone 3 morpheme indicates that the speaker regards himself as authoritative 'as having the right to make the request of the hearer and expects a response from the hearer.

The use of a tone 7 on a directive indicates that although the speaker regards himself as authoritative over the hearer, the hearer is resistant and is not responding. The use of a tone 7 is an authoritative attempt to persuade the hearer to respond. There is only one example so far overheard recently in church. A child was running around during the service and the mother had been trying to get her to come and sit down beside her. As the child was running toward the door with no apparent intention of responding, the mother gave one last call--apparently with only a slight hope that the child would respond. The command she gave is given below.

7. Ai⁶a⁹ Ba⁷ dy⁷!
 (Exasperation) come-TOT.INC Imp-PRS.SA

'Will you come here!'

In the example above, the tone morpheme on the command particle dy indicates that the speaker is trying to persuade the hearer to comply (PRS) and is authoritative over the hearer (SA).

The tone 8 morpheme is used on commands to indicate that the speaker needs an immediate response (IR). Tone 8 is frequently used on long distance shouted commands, since these are commands given in situations where an immediate response is required. The speaker regards himself as authoritative (SA) and expects the hearer to respond (RS). The following are some examples.

8. Ta⁸ da⁸ ba⁷ dy⁸
 knife carry-RES.DUR come-TOT.INC Imp-RS.SA.IR

'Bring a knife!'

9. Ba⁷ dy⁸-da⁹
 come-TOT.INC Imp-RS.SA.IR RpSp-FACT

'I said come!'

Example 8 above is an example of a command in which the speaker needs an immediate response. He and a friend have cornered an animal but they need a machete to get at it. Example 9 is frequently heard in the village when mothers are calling their children to come. Example 9 can also be used in situations where in English we would say an emphatic 'Come on!'

The use of a tone 5 morpheme on a directive indicates that the speaker is including himself in the expected response (SRS) but that he does not regard himself as authoritative over the hearer (SNA), i.e. he does not have the right to tell the hearer what to do. The following sentence is an example.

10. Y⁸ sa⁴dy⁴ i⁷ ba⁵
 lp Urge Act go-TOT.INC Imp-SRS.SNA

'Let's go, then!'

The sentence above is heard commonly in situations when the speaker is suggesting a joint action to the hearer.

The use of a tone 4 morpheme indicates that the speaker is persuading a response from a probably reluctant hearer (PRS) and the speaker does not

have the authority to demand a response (SNA). The tone 4 morphemes occur in Iau on indirect or underlying directives which have the surface forms of statements. The following are some examples.

11. Di⁹ sa⁴dy⁴ e⁹ ti² a⁹ e⁹
 2s Urge Act 1s give-TEL.DUR MUBd-FACT Nom Mkr
 da⁹ki⁶ y⁴
 good-Pred Info-PRS.SNA

'It would be good if you gave it to me, okay?'

12. A⁹ da⁸bu⁹ sa⁸ fo⁹ a⁹ y⁴.
 1s squash eat-RES.DUR Desid MUBd-FACT Info-PRS.SNA

'I want to eat some squash.'

13. A⁹ di⁹ doe⁸ be⁷ o⁴ba⁸ sa⁷
 1s 2s see-RES.DUR SC1 Mkr medicine eat-TOT.INC
 se⁴ dy⁴da⁸dv⁹ ba⁹ a⁹ y⁴
 Inten-URLZ therefore come-TOT.PUN MUBd-FACT Info-PRS.SNA

'I intend /want to take medicine, therefore I have come.'

All of the examples above are statements which have the illocutionary force of requests. The speaker uses the tone 4 morpheme to indicate that he would like the hearer to comply with his request but he does not feel he has the authority to demand a response and he is not sure that the hearer is willing to do as he is requesting.

3.0 THE FUNCTIONS OF THE TONE MORPHEMES ON STATEMENTS

Statements are used in conversational discourse primarily to give information to the hearer. Specifically, statements can be used in conversational discourse to answer questions, establish discourse topic, give information about discourse topic, provide counter information, provide additional information on a given topic, or to give the speaker reaction to or opinion of discourse topic. As stated previously in section 1.0, the Iau tone morphemes have two simultaneous functions on statement particles. First, they indicate whether the statement achieves the illocutionary force goal of giving information to the hearer about the discourse topic. Second, the tone morphemes indicate the speaker hearer relationship in the information exchange taking place. Specifically, the tone morphemes on statement particles indicate which participant is controlling the information flow about the discourse topic and also whether or not the speaker is asserting the utterance i.e., demanding that the speaker accept the information in the statement.

Before proceeding to a discussion of the specific meanings of the Iau tone morphemes on statements, a brief discussion of the dynamics of conversational control will be given below.

3.1 Speaker Hearer Interaction and Conversational Control

Longacre (1976:169-170) refers to the dynamics of conversational interchange between speaker and hearer as 'repartee'. He proposes three basic reciprocal units of conversational interchange: question-answer; proposal (i.e. a directive)-response; and remark-evaluation (e.g. agree or disagree). The first member of each set (i.e. the question, the proposal and the remark) is the initiating utterance for the conversational exchange. The second member of each set is the resolving utterance of the exchange.

In a minimal conversational exchange, the first speaker 'sets the terms' for the conversational exchange. The first speaker either asks for certain information (i.e. through a question), demands a response (i.e. through

a directive), or asks for an evaluation (i.e. through a remark). If the hearer chooses to accept the proposed terms, then he responds with the second member of the reciprocal pair, i.e. an answer, a response, or an evaluation. However, he can also refuse to accept the terms of the first speaker by using what Longacre (1976:172) -calls a 'continuing utterance'. A continuing utterance can be a counter question such as 'Why do you want to know?'; a counter proposal such as 'Let's go home first!'; or a counter remark such as 'You always ask me to do that!'

Longacre's view of the speaker hearer interchange as an exchange of taking and conceding control is a useful one in the analysis of the pragmatic functions of the tone morphemes. The Iau tone morphemes on statement particles indicate whether the speaker is using the utterance to control the flow of information about discourse topic or not. For example, when the speaker is answering a previous speaker's question with a resolving utterance, he marks his answering statement with a noncontrolling tone morpheme to indicate that he is only responding with the information requested by the previous speaker. However, if he cannot or will not accept the terms offered by the first speaker he will mark his answer with a controlling tone morpheme to indicate that he is opposing the terms of the first speaker. The following sets of conversational exchanges are examples of speaker controlling vs speaker noncontrolling answers to questions.

14A. Dy⁴ so⁶ to⁷ba⁷ de⁹?
 then child how many Sta-FACT
 'How many children does she have?'

B. So⁶ ai⁶ y⁹
 child Neg-STA.FACT Info-SC.ADT
 'She has no children!'

15A. Fv⁷ da⁸su⁶ ba⁷ ba³?
 canoe tomorrow come-TOT.INC Uncer-RS.SA
 'Is the plane coming tomorrow?'

B. Di⁹y³ Fv⁷ da⁸su⁶ ba⁹ a⁹ y³.
 Yes canoe tomorrow come-TOT.PUN MUBd-FACT Info-SNC.ADT
 'Yes, the plane is coming tomorrow.'

In the conversational exchange in 14 above, Speaker B does not accept the terms offered to him by A. B uses his utterance to oppose A's assumption that the person in question has children. The statement in 14B is a counterstatement and is marked with a speaker controlling tone 9.

In the conversation exchange in 15, Speaker A asks for information about the plane. Speaker B accepts his terms and responds with the answer. He marks his answer as a response to the control of A with a tone 3 morpheme.

3.2 Pragmatic Functions of the Tone Morphemes on Statements

The Iau tone morphemes indicate whether the speaker feels that he is controlling the information in the conversation exchange or whether he feels the hearer is controlling the information. Figure 3 below shows the functions of the Iau tone morphemes on statements.

FIGURE 3. MEANINGS OF IAU TONE MORPHEMES ON STATEMENTS

SPEAKER HEARER INTERACTION IN ACHIEVING THE ILLOCUTIONARY FORCE GOAL			
	Speaker Controlling	Speaker Noncontrolling	Speaker Noncontrolling
ACHIEVEMENT OF ILLOCUTIONARY FORCE GOAL	Information Asserted	Information Asserted	Information Not Asserted
Directly About Discourse Topic	9 SC.A.DT	3 SNC.A.DT	7 SNC.NA.DT
Of Immediate Contextual Relevance	(6) SC.IR	8 SNC.IR	--
Not Directly About Discourse Topic	(5) SC.A.NDT	(2)	4 SNC.NA.NDT

The tones in the first column are used when the speaker is asserting his control of the information flow in the conversation and the information content as pertinent information that he wants the hearer to accept. Tone 9 morphemes are used on counter statements, and on summary statements of the conversation when the speaker feels that the information he gave in the conversation was the controlling primary content of the conversation.

Tones 6 and 5 which are in parenthesis in the chart do not occur on full statements but do occur on exclamations. Tone 6 exclamations are expressions of displeasure or sorrow over something that has happened. Tone 5 exclamations are used in situations where the speaker is responding to something the hearer has said and is changing the topic to focus on himself and his responses.

The tones in the second column, 3, 8, and 2, are used when the speaker is indicating that he is not using the statement to control the information flow of the conversation. The information in his statement is a resolving utterance in response to the hearer who is controlling the flow of information about discourse topic. Tones 3, 8 and 2 also indicate that the speaker is asserting the information of his statement as pertinent information that he wants the hearer to accept. The tone 3 morpheme is used on answers to questions, additional comments giving further information about the established discourse topic, and on summary statements in which the speaker is acknowledging the hearer as controller of the information flow and himself as responder. Tone 2 occurs on exclamations where the speaker is lamenting a lack of control over a situation, i.e. he is lamenting something that he feels should never have happened.

The tones in the final column of figure 3 are used when the speaker is indicating that he is not using the statement to control the information flow about the discourse topic and when he is indicating that he is not asserting the information contained in the statement. Tone 7 morphemes are used when the statement is an emotional reaction to a previous statement or an emotive opinion about something someone has said. Tone 4 morphemes are used on segmental statement particles when the statement gives additional peripheral information or peripheral explanations or when the speaker wants to indicate a very polite, self-effacing attitude toward the hearer.

The functions of the tone morphemes that are displayed along the side of the chart in figure 1 all indicate whether or not the statement achieves the illocutionary force goal of predicating information about the discourse topic. The tones in the first row of the chart, 9, 3, and 7 are all used when the speaker is giving information in the utterance that is directly about the discourse topic. Tones 9, 3, and 7 mark counter statements, answers to questions, additional comments about the discourse topic

and emotional reactions to topical information.

The tones in the second row of figure 3 are used when the speaker is giving information about his immediate situation. Tone 6 on exclamations is an immediate response to a distasteful situation, or to a calamity. Tone 8 occurs on statements which are informing the hearer that the speaker is responding and currently implementing his previous command.

The tones in the bottom row of figure 3 are used when the speaker is making a statement that does not directly achieve the illocutionary force goal of giving information directly about the discourse topic. Tone 5 morphemes as mentioned above do not occur on full statements but do occur on exclamations. The tone 5 morpheme on exclamations are used when the speaker is responding to a statement or situation by changing the topic or focus of the conversation to himself. The tone 2 morpheme does not occur in the data on statement particles. The tone 4 morpheme is used on statements which contain peripheral information or explanations, i.e. information that is not directly about discourse topic.

Tones 9, 3, and 4 are the most frequently occurring tones on statements. Section 3.2.1 will compare and contrast these tones in terms of their function of indicating which speaker controls the information flow about the discourse topic. Section 3.2.2 will compare and contrast tones 9, 3, and 4 in terms of their function of indicating whether the statement gives information directly about discourse topic i.e. foregrounded information, or not i.e. backgrounded information. Section 3.2.3 will give examples of the uses of the other less frequently occurring tones.

3.2.1 Tones 9, 3 and 4: Speaker Controlling vs. Speaker Noncontrolling Functions

When a speaker uses a tone 9 morpheme to mark an illocutionary force particle on a statement, he indicates that he regards himself as initiator or controller of either the discourse topic⁹, or the flow of information about the discourse topic. Tone 3 or 4 morphemes marking the mood particle on a statement indicate that the speaker does not regard himself as initiator/controller but that his utterances are either a response to the hearer or they offer additional information the speaker feels is of interest to the hearer. In the remainder of this section, the initiator/controller vs. the noninitiator/noncontroller functions of the tone morphemes will be illustrated and discussed.

The following conversational exchanges, illustrate tone 3 and 4 morphemes marking the speaker as noninitiator /noncontroller.

16A. Fv⁷ da⁸su⁶ ba⁷ ba^{3?}
canoe tomorrow come TOT INC Uicer RS SA

'Is the plane coming tomorrow?'

B. Di⁹y³. Fv⁷ da⁸su⁶ ba⁹ a⁹ y³
Yes canoe tomorrow come TCT PUN MUBd FACT Info SNC ADT

'Yes, the plane is coming tomorrow.'

17A. Da⁹ be⁸sy⁹ av⁸be⁸ a⁹toi³ be^{3?}
2p Must quickly land TOT DUR Uicer RS SA

'You must have landed (i.e. got there) quickly?'

B. Ba⁶⁻³ y³ fi⁴au⁷ ba⁸sy⁹ i⁷ ai⁹
no we Intens easily go TOT INC Neg FACT

y⁴
Info SNC NA NDT

'No, we didn't go very quickly at all.'

18A. Ty⁷ y⁸ fai⁹ fa⁹ ba⁴ de⁷ du⁷ be⁷ sui⁵
 person lp same as that die TEL PUN
 'Was the man who died like us (i.e. about our age)?'

B. 1. A⁷ se⁹ fi⁴ au⁷ to³ be⁹ iy⁴.
 Seq Mkr Intens young is TOT PUN InfoUn SNA NA NDT
 'In fact, he was very young.'

2. To⁶ si⁴ ba⁷ ai⁹ y³.
 Contr old is TOT INC Neg FACT Info SNC ADT
 'He was not old at all.'

All of the answers in the conversational exchanges 16), 17), and 18) above are marked by tone 3 or 4 as Speaker Noncontrolling. Speaker B is responding to Speaker A by giving the requested information. Sentence 18A) is an example of a Yes-No Question which is not marked by any kind of mood particle. Speaker A simply states his assumption. Speaker B indicates his agreement by marking his response in 18B1) and 18B2) with Speaker Noncontrolling tone morphemes.

The use of Controlling vs. Noncontrolling tone morphemes operates independently of the degree of vehemence the speaker may express. The following conversational excerpts are taken from a conversation in which one speaker is trying to get the other speaker to tell him the meaning of an Iau word. Speaker B is not satisfied with the explanation that is being given and keeps insisting that there is another explanation that Speaker A is not giving him. The recorded conversation gets quite vehement. Vehemence is indicated by greatly increased pitch ranges, marked slowing of speech, and increased intensity.

19A. Fi⁴ au⁷ ae⁶.
 Intens Neg STA FACT
 'There isn't any (other explanation).'

B. Ba⁶⁻³ be⁴ du⁷ be⁷ di⁹ bi⁸ fa⁷ ae²
 no is TEL INC MVC1Con 2s say TOT INC Neg SC1
 bi⁷ ba⁴.
 get TOT INC Uncer SNC ADT
 'There is, but you maybe are not saying anything about it.'

20A. Tv⁹ y⁹ da⁸ e⁹ sv⁴ de⁷ ba³?
 'tui' RpSp CRLZ Nomin only one Sta HYP Uncer RS SA
 'When you say the word 'tui', is that all there is?'

In both 19) and 20) the answer is marked by a speaker noncontrolling tone morpheme. By using the speaker noncontrolling tone morpheme, the speaker is acknowledging that he is accepting the dialogue on the speaker's terms and not resisting the other speaker's control of the topic and information content of the discourse. Vehemence is expressed by intonational features.

Answers marked by controlling tone morphemes can indicate resistance to the first speaker. The following conversational exchange gives an example.

21A. Da⁹ ty⁷ a⁷ se⁹ te⁸ bai⁴ de⁷ da⁹ be⁴ v³
 2p person Seq Mkr which 2p N Mkr come toward
 di³
 kill TOT DUR

'Which people were the ones that came and killed (one of) you?'

B. Ty⁷ Fa⁷te⁹fvy⁸ae⁷ fi⁸ by⁹.
 person Fatehui Ae Rpt Info Prob SC ADT

'I already told you it was the people from Fatehui Ae.'

In the conversational exchange above Speaker B refused to retell his story so it could be put on tape. Speaker A tried to prompt him to tell it by asking him leading questions. Speaker B at first totally refused to answer the prompting questions. When he did finally begin to answer, his answers were curt and marked by the speaker controlling tone 9 on the mood particles as illustrated above. By using tone 9 the speaker was indicating his resistance to Speaker A as controller of the conversation.

The following conversational exchange illustrates the use of a tone 9 morpheme on a statement used by Speaker B to challenge the information content of Speaker A's question.

22A. Dy⁴ so⁶ to⁷ba⁷ de⁹?
 then child how many Sta FACT

'How many children does she have?'

B. So⁶ ai⁶ y⁹.
 child Neg STA FACT Info SC ADT

'She has no children!'

Speaker B uses a tone 9 on the y mood particle to indicate that he intends to challenge the basic assumption of Speaker A and assert contrastive information about the discourse topic.

Controlling tone morphemes are also used on answers in which the speaker wishes to assert his control of information unknown to the hearer as is illustrated by the following question and answer sets.

23A. To⁴ da⁸dv⁹ be⁴ o⁹ a⁴?
 What do? TEL INC MVC1Con NMkr take TOT PUN MUBd URLZ

'What does one do with it (fish net) so that they are caught? (i.e. How are (fish) caught using this?)'

B. Dy⁴dau⁷ da⁸dv⁹ a⁷se⁹ fi⁹ fa³fu⁷ ba⁷ da⁸dv⁹
 like this MVC1Con Seq Mkr fish all come TOT INC MVC1Con
 a⁷se⁹ ba⁹ bai⁸ to⁹
 Seq Mkr here reach RES DUR RHR SC ADT

'You do it like this, and the fish all come, until they reach this point.'

24A. A⁷bv⁹ te⁸du⁷ du⁸be⁷ ty³fo³ bv⁸ke⁷ da⁸ i⁹
 new what that arrow Acc. carry RES DUR go TOT PUN
 a⁴?
 MUBd URLZ

'What is that new thing that you are carrying with the arrow?'

B. Fe⁶ ai⁷⁻⁸ to⁹.
 eye glass InfoUn SC ADT

'Those are underwater goggles.'

25A. y⁹ to⁶ tay⁷ sa³?
 Oh when? knife-by cut TOT DUR

'Oh-oh! When did he get cut?'

B. Da⁸fa⁹du⁴ tay⁷ da⁹ y⁹.
 yesterday knife-by cut TOT PUN Info SC ADT

'He got cut by a knife yesterday.'

In 23), a procedural type text, Speaker B is the expert who controls the information content of the discourse. Speaker B marks his answer to A's question with a Speaker Controlling tone morpheme (9). The conversational exchange in 24) is a similar sort of text about a new device to facilitate spearing fish underwater. Again, Speaker B, the expert, marks his answer with tone 9, Speaker Controlling. In 25), Speaker A is a village health worker. Speaker B's intent is to call A's attention to a patient needing treatment. Although he is responding to A by providing the information requested, he marks his answer with a Speaker Controlling tone 9 because his intent is to control the behavior of A through the information that he is giving.

Controlling tone morphemes frequently occur on the mood particle to as in 23) and 24) above. To marks information that corrects, refutes or contradicts previous information or is contrary to the experience/expectations of the speaker. However, to also occurs on answers with Speaker Noncontrolling viewpoints. The following are examples of Speaker Noncontrolling answers on the particle to.

26A. Kae² bv⁷ di⁹ te⁷bv⁹ da⁸ du⁸
 F.net this 2s why? carry RES DUR go around RES DUR
 a³?
 MUBd ACCFACT

'Why do you carry around that fish net?'

B. A⁹ fi⁹ be⁴ o⁷ to⁴.
 ls fish NMkr catch TOT INC RHr SNC NA NDT

'I use it to catch fish.'

27A. Ty⁷ bi⁷si⁹ ai⁷bv⁹ si⁶ to⁸ba⁷ de⁹?
 person one that wife how many Sta FACT

'How many wives does that man have?'

B. Ba⁷bv⁹ boi⁸ o⁸sy⁹ to⁴.
 this oldr bro my RHr SNC NA NDT

'This is my older brother!'

In 26) above, Speaker B is giving Speaker A information that is culturally unknown to A, i.e. speaker B is the expert. However, in this particular conversation, Speaker B does not choose to assert himself or his information as the controlling information in the discourse. Instead, he uses the highly deferential nonassertive tone morpheme 4. In 27), speaker B does not directly answer A's question. Sentence 27) gives peripheral identifying information about the discourse topic instead of the requested information. Sentence 27B) is marked by tone 4 as Speaker Noncontrolling and as also Nonassertive, and not directly giving foregrounded information about the discourse topic (NDT).

In addition to questions and answers, conversational dialogues include remarks (Longacre 1977) that give further information on a topic, or that give speaker opinion about a topic.

Statements which function as further remarks can take either Controlling or Noncontrolling tone morphemes depending on the viewpoint the speaker wishes to take. A controlling tone morpheme can mark a contrastive response to a previous statement as is shown in the following example.

28. Ay⁸ au⁷sy⁹ ai⁷bv⁹ fi⁴be⁸ dy⁴dau⁸ de⁷ da⁸dv⁹
 okay ours that Intens like that Sta HYP MVC1Con
 av⁸be⁸day⁸ te⁷ fv² a⁹ dy⁴dau⁹
 hurry husband tie to TEL DUR MUBd FACT like that TOT PUN
 a⁹ y⁹.
 MUBd FACT Info SC ADT

'I see, when our (women) are (the age of) that one then they get married very quickly.'

In the context preceding 28), Speaker A has just expressed surprise that a certain adolescent girl is still unmarried. Speaker B answers that that's the way they do things in Faii. Example 28) is simultaneously a response by Speaker A to the previous speaker's statement and it is also a remark giving a contrastive cultural viewpoint. Speaker A's viewpoint is not only contrastive to B's but it is being asserted as controlling. Example 28) is therefore marked with a Speaker Controlling tone morpheme.

The following text excerpt is a conversational exchange between speakers who have contrastive opinions on the discourse topic, but these opinions are not being asserted as Controlling in the conversation.

29A 1. Di⁹ a⁷se⁹ doe⁷ da⁸dv⁹ ty⁷ e⁸ fe⁷
 2s Seq Mkr see TOT INC MVC1Con person is Benef
 foi⁴ dy³.
 tell TEL INC Imp RS SA

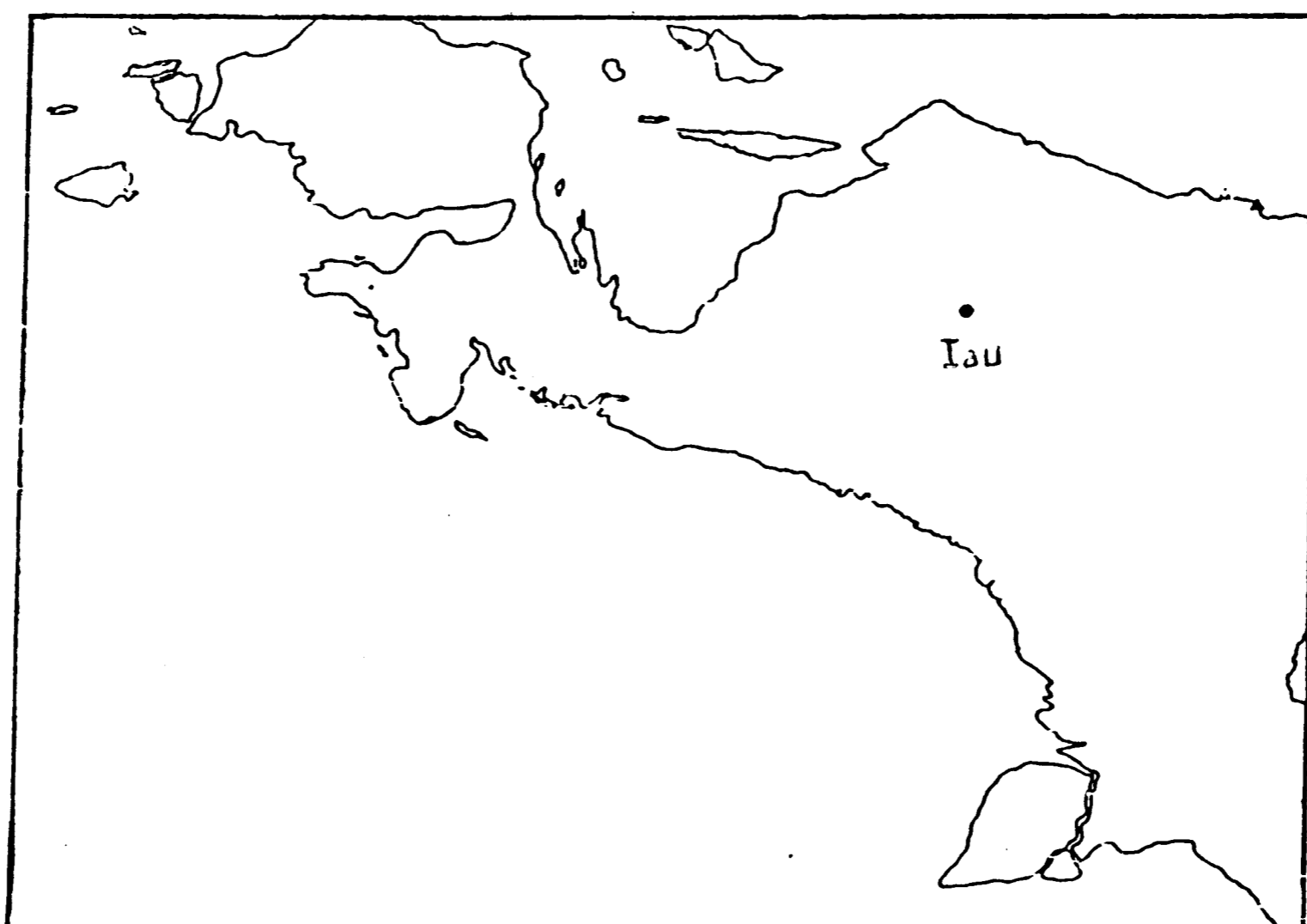
'If you see it, then tell people for me (that I want it back).'

B 2. Ay⁸ ty⁷ bv⁶ foi⁴⁻⁷ se³.
 okay person is tell TEL INC CHS Inten SNC ADP
 'Okay, I will tell them.'

3. Sa⁴dy⁴ bv⁸ bai⁷ de⁹ dy³.
 Urge Act for wait TOT INC Sta FACT Imp RS SA
 'Wait for me.'

4. Ty⁷ du⁸ o⁷ ai⁴ y³.
 person secretly take TOT INC Neg URLZ Info SNC ADT
 'I (don't think) anyone has stolen it.'

A 5. Ay⁸ ty⁷ du⁸ o⁷ ba³
 okay person secretly take TOT INC Uncer SNC ADT



Iau (Irian Jaya)

dy⁴ da⁸ dv⁹ bv⁶ bv⁸ tai⁷ a⁹ y³.
 IndC1 Con ls for search TOT INC MUbD FACT Info SNC ADT
 'I see. I think someone may have stolen it, and so I'm looking
 for it.'

6. e⁸ fe⁷ da⁸ ba⁷ d³.
 ls Benef carry RES DUR come TOT INC Imp RS.SA
 'Bring it to me! /Get it for me!'

In 29) Sentence 4, speaker B offers A an opinion on why the axe is missing. He marks the sentence with a noncontrolling tone morpheme to indicate his attitude toward the role of these statements in the conversation. Speaker B sees this statement as an expression of his own personal opinion which A may or may not accept. Speaker A in Sentence 5 disagrees with B but also marks his statement with a Noncontrolling tone morpheme (3) to indicate his intent not to insist on his own opinion.

Another use of Noncontrolling tone morphemes is to give further comment on an already introduced discourse topic. The following examples, 30) and 31) illustrate further comments marked by the speaker noncontrolling tone morphemes 3 and 4.

30. Ay⁸ Be⁸ a⁸ bi⁸ fv⁷ doe⁷ ae³ se⁹
 okay Benjamin canoe see TOT INC Neg ACCFACT Since
 dy⁴ a³ y³.
 do that TEL INC MUbD ACCFACT Info SNC ADT
 'Right. Since Benjamin had never been in a plane before,
 he acted like that.'

In the preceding conversational context, speaker A has just asked speaker B if he and Benjamin were afraid as they rode in the plane. Speaker B replied that he himself was not afraid, but Benjamin was so afraid that he grabbed on to Speaker B's leg and held it throughout the whole trip. Sentence 30) is marked by the noncontrolling tone morpheme (3) as a response. It is not the speaker's intent to give any new direction to the conversation, or to control subsequent information content of the conversation by this remark.

Sentence 31) below also illustrates a noncontrolling tone morpheme (4) on a further remark in conversational discourse.

31. Sy⁴ bv⁶ da⁸ fa⁹ ai⁹ be⁷ fvy⁸ e⁹ by⁷ by⁹
 garden ls RecPst there dig RES DUR Nomin true
 du⁷ be⁷ tau⁹ a⁹ y⁴.
 that TpMkr work TOT PUN MUbD FACT Info SNC NANDT
 'I'm going to work in the garden that I just dug.'

Speaker A, the controller of the conversational segment, asked B what he is going to do. B replied that he is going to work in his garden. Then, after a short pause he volunteered further information about which garden he meant. Sentence 31) is marked by the tone morpheme 3 on the y mood particle as a continued response without intent to control.

Conversational exchanges in Iau frequently end with a question and answer set that summarize what the conversation was about. These summary statements are also marked as either Speaker Controlling or Speaker Noncontrolling. The following is an example of a speaker Noncontrolling summary statement.

32A. Ay⁸ by⁷ by⁹ du⁷ be⁷ da⁹ tui² di⁸
 okey true that TpMkr 2p enemy kill RES DUR
 be⁴ dy⁴ da⁸ dv⁹ bv⁶ bi⁸ fa⁹ a⁹
 Uncer SNC NANDT IndC1Con ls say TOT PUN MUbD FACT
 y³.
 Info SNC ADT

'Yes, I was wondering whether you ever did kill any enemies, so I have been talking (about it with you).'

B. Ba⁶⁻³ fi⁴au⁷ ty⁷ doe⁷ ai⁹ y³.
 No Intens person see TOT PUN Neg FACT Info SNC ADT

'No, we didn't see any at all.'

The two sentences in 32) represent the closing summary statements by the two participants in the conversation. Speaker A was controlling participant in the conversation, i.e. he controlled discourse topic and also flow of information about the topic. By marking his summary with a Noncontrolling tone morpheme he indicates his acceptance of Speaker B's answers. Speaker B marks his summary statement with a Noncontrolling tone morpheme to indicate that his contribution to the conversation was a response to speaker A.

The following example shows a conversational summary statement marked by a Controlling tone morpheme.

33A 1. Ay⁸ by⁷by⁹ du⁷be⁷ bv⁸ tai⁷ da⁸dv⁹ so⁶
 okay true that TMkr for search TOT INC MVC1Con child
 av⁷bv⁹ bv⁷ u⁸ to⁶ by⁷⁻⁸?
 her this day when? born TOT INC CHS RES

'Yes, well I wondered. When was her child born?'

2. A⁹ v⁴ dy⁴dau⁷ da⁸dv⁹ a⁷se⁹ da⁶ di⁹
 ls heart like that TOT INC MVC1Con Seq Mkr now 2s
 foi⁵.
 ask TEL PUN

'My heart was like that so I have just now asked you.'

B 3. Ba⁶⁻³ bai³ ka⁶di⁸ ba⁷ ae⁵.
 No moon many Nmkr Neg EMPH

'Well, it hasn't been many moons /months.'

4. Bai³ sv⁴ bo⁴ be⁹ y⁹.
 moon only two is TOT PUN Info SC ADT

'It has only been two moons.'

A 5. Da⁹ki⁶.
 good

'Good.'

Speaker A sums up his contribution to the conversation by restating his question. The sentence is not marked by any mood particles. Speaker B marks her summary statement with a Speaker Controlling tone morpheme. By using a tone 9 Speaker Controlling tone morpheme, she emphatically reemphasizes her answer, implying that it is contrary to expectation or could be called into question.

3.2.2 Tone 9, 3, and 4: Marking relationship to Discourse Topic

We have seen that tone 9 on statements in Iau marks the speaker as Controller of the discourse topic and the information flow of the discourse. Tones 3 and 4, on the other hand, indicate that the speaker does not consider his statement as an attempt to control the conversation. Tone morphemes on statement mood particles in Iau not only mark which participant is controlling the information content of the discourse, but they also mark the relationship of the statement to the discourse topic. Both tones 9 and 3 mark information that is a direct comment about discourse topic. Tone 4 on the other hand marks information that is not a direct

comment about discourse topic. Instead, the information has one of the following roles relative to discourse topic: further explanation of a topical proposition, restatements or paraphrases of discourse topic, or evaluations of or reactions to discourse topic. Examples illustrating the backgrounding functions of tone 4 will be given first, followed by examples illustrating the foregrounding functions of tones 3 and 9.

3.2.2.1 Backgrounding Functions of Tone 4

The example below illustrates the use of tone 4 to mark statements giving further explanatory detail about a topical proposition. The sentence marked by tone 4 is the final sentence in the example below.

- 34A 1. Dy⁴ di⁹ by⁷ te⁸du⁷ sa⁴ tau⁹?
 then 2s ResAct what? CntrAct do TOT PUN
 'And what are you going to do?'
- B 2. A⁹ sa⁴ a⁵ tau⁷ sa⁹ y⁸.
 Is CntrAct land do-TOT.INC Inten-FACT Info-SNC.A.IR
 'I am going to work in the garden.'
- A 3. Y⁶! bo⁹dy⁹!
 oh(Symp) Exp Symp
 'Oh that's too bad /be careful!'
- B 4. Sy⁴ bv⁶ da⁸fa⁹ ai⁹be⁹ fvy⁸ e⁹ By⁷by⁹
 garden 1s RecPst There dig-RES.DUR Nomin true
 du⁷be⁷ tau⁹ a⁹ y⁴
 that TpMkr do-TOT.PUN MUBd-FACT Info-SNC.NA.NDT
 'I'm going to work in the garden that I just recently dug.'

The conversation above is about 'what speaker B is going to do'. The new information in sentence 4) gives additional information about the topical proposition by specifying which garden Speaker B is referring to. Sentence 4 in 34) does not actually predicate any new information about the discourse topic 'what B is going to do'. Sentence 4 gives backgrounded further information that is related to the topical proposition. As we saw in section 3.2.1, tone 4 also marks the speaker as noncontrolling participant in this interchange.

The following excerpt of a conversational text illustrates the tone 4 morpheme marking further explanatory detail about the topical proposition.

- 35A 1. Faf³ o⁸sy⁹ te⁸ be⁵?
 axe my where? is-TEL.PUN
 'Where is my axe?'
- B 2. Bv⁶ doe⁷ ai⁴ y³.
 1s see-TOT.INC Neg-URLZ Info-SNC.ADT
 'I don't know /I haven't seen it.'
- A 3. Faf³ o⁸sy⁹ bv⁶ ba⁴ be⁷⁻⁸ du⁷be⁷ bv⁶
 axe my 1s right here is-CHS that-TpMkr 1s
 bv⁸ tai⁷ to⁴.
 for search-TOT.INC RHR-snc.na.ndt
 'I'm looking for the axe that I left right here.'

The conversation above is about Speaker A's axe and the topical proposition, 'Where is my axe?' When Speaker B answers that he doesn't know, Speaker A responds in Sentence 3 with additional detail explaining where it should have been. Sentence 3 is marked by tone 4 as backgrounded

further information about the topic. Sentence 3 does not predicate any new information about the topic. Sentence 3 does not predicate any new information about the topical proposition, i.e. it does not predicate 'Where the axe is'.

Tone 4 can also be used in conversational discourse to mark statements that are explanatory in the sense that they are the cause or reason for a topical proposition. The following question and answer sets are some examples.

36A. Di⁹ e⁸ du⁷sy⁹ to⁴ di⁷⁻⁸?
2s foot your what do? PBd-HYP.CRLZ

'What happened to your foot?'

B. A⁹ e⁸ o⁸sy⁹ a⁹ be⁸sy⁹ boi⁸ u⁸
1s foot my 1s obl firewood split-RES.DUR
be⁸du⁷ e⁸ tay⁷ fa⁸fvy⁸ y⁴.
MVC1Con.Sim foot knife-by cut-RES.DUR Info-SNC.NA.NDT

'My foot, I was splitting firewood when I cut my foot with the machete.'

37A. Kae² bv⁷ di⁹ te⁷bv⁹ da⁸ du⁸
fish net this 2s why? carry-RES.DUR go around-RES.DUR
a³?
MUBd-ACCFACT

'Why are you carrying that fish net?'

B. A⁹ fi⁹ be⁴ o⁷ to⁴.
1s fish NMkr catch-TOT.INC RHr-SNC.NA.NDT

'I'm (going to) catch fish with it.'

In example 36) above, Speaker B is giving an explanation for the topical proposition 'What happened to your foot?' The answer to the question in 37) is also an explanation and both 36B and 37B are marked by tone 4 as explanations.

Another use of tone 4 on statements in conversational text is to mark restatements of a topical proposition. The following conversational exchange is an example of a restatement of a topical proposition marked by tone 4.

38A 1. Da⁹ da⁸du⁷ ba⁹ tv⁹ y⁹ da⁹ be⁸sy⁹
2p first here go away-TOT.PUN nomin 2p Must
av⁸be⁸ a⁹toi³ be³?
quickly land-TOT.DUR Uncer-SNC.ADT

'When you first left here, you must have landed /gotten there very quickly.'

B 2. Ba⁶⁻³ y⁸ fi⁴au⁷ ba⁸sy⁹ i⁷ ai⁹
No we Intens quickly go-TOT.INC Neg-FACT
y³.
Info-SNC.ADT

'No, we didn't go quickly at all.'

3. Fv⁷ fi⁴be⁸ du⁸av⁵du⁸ i⁹ a⁹
canoe Intens slowly go-TOT.PUN MUBd-FACT
y⁴.
Info-SNC.NA.NDT

'The plane went very slowly.'

In the conversation above, Speaker B had taken a plane trip and

Speaker A was asking him about it. The topic under discussion in this section of the conversation is the manner in which they went. Speaker A presupposes that they arrived very quickly at their destination. Speaker B denies that and emphasizes his point with a negative-positive pair of sentences. The tone 4 morpheme in sentence 3) marks the positive restatement of sentence 2). Sentence 3) does not state any new information about the discourse topic.

Another use of tone 4 is to mark evaluations of discourse topic or reactions to discourse topic. In both cases, the sentence marked by tone 4 does not predicate new information about the discourse topic. The example below is taken from a conversation about the marriage status of various people in the village. The text below illustrates a speaker reaction to discourse topic marked by tone 4.

39A. Bv⁷ te⁷ ae⁶ to⁹.
 this husband Neg-C.FACT RHr-SC.ADT
 'This (woman) has no husband.'

B. Y⁵ au⁷ i⁸si⁴ba⁷ be⁷ to⁴.
 Excl 3s big is-TOT.PUN RHr-SNC.NA.NDT
 'But she's already grown.'

Speaker B's statement in 39B) above is his reaction to Speaker A's statement. Sentence 39B) provides no new information about the discourse topic of the marriage status of the individual.

The final example below illustrates tone 4 marking the speaker's evaluation of discourse topic. Speaker B has been telling Speaker A about underwater goggles and how they are used for fishing. The conversational excerpt below begins with Speaker B's statement that he is not convinced of the usefulness of the goggles.

40A 1. Dy⁴ o⁸sy⁹ bv⁶ fi⁴au⁷ doe⁷ ai⁴
 then my ls Intens see TOT INC Neg UNRSZ
 y³.
 Info SNC ADT

'Well, I don't know anything about them.'

B 2. Ba⁶⁻³ fi⁴au⁷ da⁹ki⁶ y⁴.
 no Intens good Info-SNC.NANDT

'No, they are really good.'

3. Du⁷sy⁹ be⁴ da⁸dv⁹ sa⁴dy⁴ tauⁱ⁷
 yours is-TEL.INC MVC1Con Urge Act make-TOT.INC
 a⁹ y⁹ da⁹ki⁶ e⁴.
 MUbd-FACT Info-FACT good Expl-URLZ

'It would be good if you made some.'

4. Y⁸ fai⁹fa⁹ba⁷ de⁹ fi⁹ bv⁸ du⁷
 lp together Sta-FACT fish for go-TOT.INC
 se³.
 Inten-ACC.FACT

'We would go fishing together.'

Sentence 2) marked by tone 4 gives the speakers evaluation of the topic, 'the usefulness of underwater goggles for fishing'. The speaker is not asserting any new information about the topic but is reiterating his evaluation of it and trying to persuade the hearer to agree.

3.2.2.2 Foregrounding Functions of Tone 3

Segmental particles marked by tone 3 indicate that the sentence asserts new information about the discourse topic. The following conversational exchange illustrates tone 3 on sentences that assert new information about the topic.

- 41A 1. Faf³ o⁸sy⁹ te⁸ be⁵?
 Axe my where is TEL PUN
 'Where is my axe?'
- B 2. Bv⁶ doe⁷ ai⁴ y³.
 ls see-TOT.INC Neg-URLZ Info-SNC.ADT
 'I haven't seen it.'
- A 3. Faf³ o⁸sy⁹ bv⁶ ba⁴ be⁷⁻⁸ du⁷be⁷
 axe my ls here is-TOT.INC-CHS that.TMkr
 bv⁶ bv⁸ tai⁷ to⁴.
 ls for search-TOT.INC RHr-SNC.NA.NDT
 'I'm looking for my axe that I left right here.'
4. Ty⁷ du⁸ bi⁹ be³.
 person secretly get-TOT.PUN Uncer-SNC.ADT
 'I think someone may have stolen it.'
5. Bv⁶ doe⁷ ai⁴ y³.
 ls see-TOT.INC Neg-URLZ Info-SNC.ADT
 'I don't know.'
6. Di⁹ a⁷se⁹ doe⁷ da⁸dv⁹ ty⁷ e⁹ fe⁷
 2s Seq Mkr see-TOT.INC MVC1Con person ls Benef
 foi⁴ dy³.
 tell-TEL.INC Imp-SNC.ADT
 'If you see it then tell people for me (to return it).'

The conversational exchange above has 3 sentences illustrating tone 3 used to mark the assertion of new information about the topic. The topic of the conversation is a proposition, 'Where is my axe?' Sentence 2 asserts the new information that the speaker has not seen the axe. Answers to questions are normally marked with tone 3, indicating that the speaker is providing the requested information about the discourse topic. As we saw in section 3.2.1, tone 3 also indicates that the speaker is not the controlling participant in the conversation. Sentence 3 above, marked by tone 4 asserts no new information about the topic but gives further details and explanation about why the speaker is looking for his axe. Both sentences 5) and 6) assert new information about the topical proposition 'Where is my axe?' Speaker A thinks someone has stolen it but he is not sure.

3.2.2.3 Foregrounding Function of Tone 9

We have seen in section 3.2.1 that tone 9 morphemes in Iau mark statements when the speaker views himself as controller or initiator of the information content of the discourse. Tone 9 statements, like tone 3 statements, assert the speaker's comment⁶ about the discourse topic. The following examples illustrate the tone 9 morpheme marking asserted information about discourse topic.

- 42A. Da⁹ ty⁷ a⁷se⁹ te⁸bai⁴de⁷ da⁹ be⁴ v³
 2p person Seq Mkr which 2p N Mkr come toward

di³?

kill-TOT.DUR

'Which people were the ones that came and killed (one of) you?'

B. Ty⁷ Fa⁷te⁹fv⁸ae⁷ f:⁸ by⁹.
person Fatehui Ae Rpt Info Prob-SC.ADT

'I already told you it was the people from Fatehui Ae.'

43A. Dy⁴ so⁶ to⁷ba⁷ de⁹?
then child how many Sta-FACT

'How many children does she have?'

B. So⁶ ai⁶ y⁹.
child Neg-C.FACT Info-SC.ADT

'She has no children!'

Sentence 42B) above asserts the requested information about the topical proposition, 'Which people were the ones who came and killed one of you?' Sentence 43B) asserts new information about the topical proposition, 'How many children does she have?' and is also marked with a tone 9 morpheme.

3.3 Functions of the Other Iau Tone Morphemes on Statements

Tone 7 and 8 occur less frequently on statements and tones 6, 5 and 2 occur only on statement particles that are used as exclamations. Tone 7 like tones 9 and 3 indicates that the information in the statement is directly about discourse topic. (See figure 3, section 3.2). When the speaker uses tones 9 and 3 he is asserting the information in the statement, i.e. he is urging the speaker to accept it. In contrast, the speaker uses tone 7 to mark his own personal reactions to the information about the discourse topic. Most statements marked by tone 7 are highly idiomatic. The following are some examples. A question mark under the gloss indicates that the exact meaning of the particle is unknown.

44A 1. So⁷ fi⁴au⁷ be⁸ be⁹?
tree Intens tall is-TOT.PUN

'The So tree was very tall?'

B 2. Y⁶ to²⁻⁷ ae⁷?
Excl do what? TEL.INC-CHS Neg-HYP

'You're not kidding!'

3. Ba⁹ tv⁹ dv⁹ y⁷.
here go away-TOT.PUN ? info-SNC.NA.DT

'It was way up there! Believe me!

45. Bai⁶ y⁷ di⁹ so⁷dy⁴ y⁷ bai⁴
Deny Info-SNC.NA.DT 2s lie say-TOT.INC ?

y⁷.

Info-SNC.NA.DT

'That's not true. I think you are lying.'

46. Ba⁷bv⁹ fu⁹ dav⁸ be⁷de⁸ y⁷.
this Ded lake Infer Info-SNC.NA.DT

'There must be a lake (visible) from that one (ie tree top).'

- 47A. U⁸ sai⁷ du⁷sy⁹ da⁷ be³?
house Rflx yours RpSp-HYP Uncer-RSP.SA
'Is this your house?'
- B. Di⁹to⁴ o⁸sy⁹ to⁷.
Yes mine RHr-SNC.NA.DT
'Of course, it's my house!'

The sentences marked by tone 7 in examples 44) through 47) are all highly emotive responses to something the previous speaker has said. Reactions marked by tone 7 are emphatic and are directly about discourse topic and are attempts to persuade the hearer to accept the speaker's point of view. Sentence 3 in 44) is an emphatic restatement of a previous statement that the tree was tall. Sentence 45 is an emphatic statement which the speaker thinks the hearer is not likely to accept. In 46) the speaker is making a highly speculative statement which he hopes is true. In the discourse context, he and the others have been looking for the lake for quite some time. In 47) the speaker indicates by using tone 7 that his ownership of the house should never have been called into question.

Tone 8 and tone 6 morphemes are used when the speaker is responding to a situation in the immediate context which has affected or involved him. The tone 8 morpheme on a statement indicates that the speaker is not using the utterance to control the hearer or the conversational interchange but is responding to the speaker. Tone 8 also indicates that the hearer is achieving the illocutionary force goals in the immediate present. The following are some examples of the tone 8 morphemes on statement particles.

48. A⁹ sa⁴ a⁵ tau⁷ sa⁹ y⁸.
1s CntrAct land work-TOT.INC Inten-FACT Info-SNC.A.CR
'I'm going to work in the garden.'
- 49A. Di⁹ da⁶ i⁷ ba³?
2s now go-TOT.INC Uncer-RS.SA
'Are you going now?'
- B. A⁹ da⁶ i⁷ sa⁹ y⁸.
1s now go-TOT.INC Inten-FACT Info-SNC.A.CR
'I am going now.'
- 50A 1. Ty⁷da⁷y⁸! Se⁷ko⁸da⁷ y⁸
People-Voc school Info-SNC.A.IR
'People! It's now time for school!'
2. Ba⁷ ka⁷ dy⁸.
come-TOT.INC Emph Imp-RS.A.IR
'Come!'
- B 3. Y³ da⁶ ba⁸ y⁸
1p now come-RES.DUR Info-SNC.A.IR
'We are coming!'
51. Di⁹di³. Ba⁷ by⁸ dy⁴da⁸dv⁹ a⁹
Agree come-TOT.INC Subj-SNC.A.IR IndC1Con 1s
foi⁴ dy³.
tell-TEL.INC Imp-RS.SA
'When he comes, tell him.'

The tone 8 morphemes in 48), 49) and 50B) all mark situations that are of immediate relevance in the discourse context. The speaker is noncontrolling, i.e. responding to the hearer. In 50A), the speaker is informing

the hearer of a situation that is of immediate relevance to him. This situation marked in 50A) is the grounds for the command in the following sentence. In 51) the clause marked by tone 8 has not yet occurred, however, it is of immediate relevance to the following clause.

The tone 6 morpheme occurs on the exclamation y⁶! to indicate displeasure over something that has happened. It is heard frequently in the village when an owner returns to find that a dog has eaten his food, or when a child has gotten into mischief. The speaker uses a tone 6 to announce and assert his displeasure to the community at large.

The tone 5, 2 and 4 morphemes all occur in situations in which the speaker is not predicating the information as asserted information about the discourse topic. We saw in the preceding sections that the tone 4 morpheme is used when the speaker is predicating peripheral information that is not directly about discourse topic, or when he is being very self-effacing in giving the information to the hearer. Tone 5 and 2 although they only occur on exclamations, occur only in situations where the speaker is either slightly changing the focus of the conversation, or is exclaiming over what almost happened but didn't.

The tone 5 morpheme occurs on exclamations in which the speaker is changing the subject or focus of the conversation slightly in response to something that the hearer just said. The following is an example taken from a conversation between a health worker and a villager reporting to the health worker about a man with a bad cut.

52A. Fi⁴au⁷ di⁸ be⁹ y⁴. y⁵!
 Intens hot is-TOT.PUN Info- SNC.NA.NDT Exclam-SC.A.NDT
 be⁸sy⁹ dv⁴ui⁹ da⁸ ba⁷ ka⁷ dy³.
 Oblig lift carry-RES.DUR come-TOT.INC Emph Imp-RS.SA
 'Well then lift him up and bring him (here).'

In the example above, the tone 5 morpheme occurs in the kind of context predicted by the chart in figure 3. The speaker takes control of the conversation by ending the discussion of symptoms and changing the discussion to what should be done about the problem.

The exclamation particle y⁵ also occurs in contexts where the speaker is reiterating something that has already been said in a more emphatic way. The following is an example.

53A 1. Fi⁹ da⁹ sa⁴dy⁴ i⁷bai³ta⁷ doe⁸ be⁷
 fish 2pl just clearly see-RES.DUR SC1Mkr
 ba³?
 Uncer-RS.SA
 B 2. y⁵ fi⁴be⁸ i⁷bai³ta⁷ doe⁸ be⁷
 Exclam-SC.A.NDT Intens clearly see-RES.DUR SC1Mkr
 ba⁸ fai⁹fa⁹ba⁴de⁴.
 kill-RES.DUR same-Stat-URLZ
 'They sure are! They can clearly seen to be killed.'
 3. Fi⁹ fi⁴be⁸ ko⁴du⁸ ba⁸ ae⁵.
 fish Intens few is-RES.DUR Neg-NPFACT
 'There are not just a few!'

In the following example, the particle y⁵ shows disbelief on the part of the speaker.

54A. Bv⁷ te⁷ ai⁶ to⁹.
 this husband Neg-CFACT RHr-SC.A.DT
 'This one doesn't have a husband!'

FIGURE 4. DEGREE OF SPEAKER EXPECTATION OF HEARER INPUT

Speaker Controlling	Speaker Not Controlling	Speaker Not Controlling
Information Correct	Information Correct	Information Not Correct
9	3	4

The Iau tone morphemes as shown in figure 4 above indicate the degree to which the speaker expects the hearer to add to the information content of the discourse. Tone 9 indicates that the speaker does not anticipate that the hearer will give any new or contradictory information. Tone 3 indicates that the speaker wants or expects the hearer to indicate whether the information content of the proposition is correct or not. Tone 4 indicates that the speaker feels that it is highly likely that the hearer will correct the information in the proposition.

5.0 SIMILARITIES IN THE PRAGMATIC FUNCTIONS OF THE IAU TONE MORPHEMES ON VERBS AND PARTICLES

A single set of the 8 basic Iau tone morphemes occurs on Iau verbs and on the Iau postverbal particles with three different sets of meanings depending on the type of segmental stem on which they occur. On verbs, the tone morphemes indicate 8 contrastive aspectual viewpoints. (See Bateman, 1986a Tone Morphemes and Aspect in Iau.) On the segmental illocutionary force particles, we have seen that they indicate the pragmatic relationships between speaker, hearer and the information content of the utterance. On all other postverbal particles the tone morphemes form a set of contrastive status meanings (Foley and Van Valin, 1984) indicating degree of factivity, and under what temporal circumstances the proposition is considered to be a reality. There is a correlation in the pragmatic functions of the three sets of tone morphemes. A complete discussion is beyond the scope of this paper, however a brief discussion is given below in order to show why the pragmatic functions of the tone morphemes on segmental illocutionary force particles have been analyzed as presented in this paper. The three sets of meanings of the Iau tone morphemes are shown in Figures 5, 6, and 7 below.

FIGURE 5. THE PRAGMATIC FUNCTIONS OF THE ASPECT TONE MORPHEMES⁶

	Punctual	Durative	Incompletive
Totality of Action	9 Foregrounded Sequences of Events	3 Additional Detail Sequences of Events	7 Initiated But Interrupted Sequences of Events
Resultative	6 Affected Participants /Props	8 Detail Affected Participants	
Telic	5 Foregrounded Causative Event Chains	2 Additional Detail Causative Event Chains	4 Causative Event Chains Initiated but Not Completed

FIGURE 6. MEANINGS OF STATUS TONE MORPHEMES ON IAU
POSTVERBAL PARTICLES

TEMPORAL CONDITIONS FOR REALITY	FACTIVITY: Established As Fact	Actually Realized	Possibly Realized
Reality At Some Time	9 is /was /used to be reality, did happen	3 have been have done do	7 would have /could have /might have been
	FACT	REALIZED	HYPOTHETICAL
Immediate Reality	6 is fact	8 being brought about, accomplished currently relevant reality	--
	CURRENT FACT	CURRENT REALIZATION	
Not An Immediate Reality	5 did happen /was fact but no longer relevant /in effect	(2) (only one occurrence: meaning obscure)	4 is /was probable /planned but not yet a reality
	NONPRESENT FACT	NONPRESENT REALIZE	UNREALIZED

FIGURE 7. PRAGMATIC FUNCTIONS OF THE IAU TONE MORPHEMES ON
SEGMENTAL ILLOCUTIONARY FORCE PARTICLES

ILLOCUTIONARY FORCE GOAL			
	Speaker Also Achiever	Hearer is Achiever	Hearer is Achiever
	--	--	--
ACHIEVEMENT OF ILLOCUTIONARY FORCE GOAL	Hearer Expected to Accept	Hearer Expected to Accept	Hearer Expected to Accept
Achieved	9 Speaker Controlling Statements, Advice, Prompting Questions	3 Answers Commands, Prohibitions Requests, Question for Confirmation	7 Reactions, Command: Hearer is Unresponsive ---
Being Achieved in Immediate Present	(6) Exclamations: Displeasure, Sorrow --- ---	8 Response Being Implemented, Commands: Immediate Response ---	
Not Necessarily Achieved	5 Exclamations: Change Focus, Suggestions: Speaker Parti- cipates, ---	(2) --- --- ---	4 Answer: Deferential, Peripheral Information, Desire /Wish Question: Not Sure of Content

The tone 9 aspect morpheme on verb stems as shown in figure 5 is perfective and is used to mark highly foregrounded information in narrative discourse. (See Bateman, 1986a) As shown in figure 7, the tone 9 morpheme on statements indicates that the speaker is using his statement to control the information flow about the discourse topic and is asserting the information in the statement as core information that he wants the hearer to accept. On the other postverbal particles, the tone 9 status morpheme, as illustrated in figure 6, indicates that the proposition is being established and asserted by the speaker as fact. (See Bateman, 1986b) All of these uses of tone 9 have a similar pragmatic function of marking foregrounded highly asserted information in the discourse.

The tone 3 morpheme as shown in figure 5 marks information that gives additional detail in the sequence of narrative events in a narrative discourse. On segmental illocutionary force particles, tone 3 marks speaker noncontrolling statements which contain information directly about the discourse topic. On other postverbal particles, the tone 3 morpheme marks information that the speaker is viewing as actually realized fact at some contextually established time. The tone 3 morpheme marks discourse information that is being asserted about the discourse information that is being asserted about the discourse topic, but is not in itself a main point being made about the discourse topic.

The tone 7 morpheme is used in narratives as an incompleting aspect tone morpheme to indicate interrupted events that never are completed. On most other particles, it is used as a status morpheme to mark hypothetical fact, e.g. all the 'could have' and 'would have beens'. We have seen in this paper in section 3 that the tone 7 morpheme is used to mark noncontrolling speaker reactions to a previous statement. The information in the statement is about discourse topic but is not being asserted as main point information about the discourse topic. The tone 7 morpheme is used to mark more peripheral discourse information: irrealis information, information that the hearer may not be willing to accept, and deletable information such as circumstantial settings for the more foregrounded events.

The tone 6 and tone 8 morphemes as indicated in figures 5, 6, 7, mark information indicating either affected participants or information with significance for the immediate present.

The tone 5 morpheme as shown in the bottom rows of figures 5-7, marks information in the discourse that is intended to bring about a change in the course of events. In a narrative, a tone 5 event occurs for the purpose of bringing about the subsequent event. In a conversation, the speaker uses a tone 5 to suggest an alternative course of action to the current one (see section 2.0, this paper). In terms of the factivity of an event, the tone 5 morpheme emphasizes the factivity of the proposition in the face of evidence to the contrary.

The tone 2 morpheme gives additional information that is used to emphasize more foregrounded information in the discourse. In narrative discourse, tone 2 marks verbs giving information about the means by which a subsequent event is brought about. In terms of the factivity, as shown in figure 6, tone 2 emphasizes the factivity of another actually realized event in the discourse context by marking information that would normally have been expected to happen but didn't.

The tone 4 morpheme is used to mark information in a discourse when the speaker is not expecting the hearer to accept it for any of a number of reasons. The speaker may be uncertain of the truth of the information; he may be uncertain of the hearer's willingness to accept it; he may be uncertain of his right to give the information to the hearer or demand a response from him; or he may wish to offer information to the hearer that is a personal opinion that the hearer is free to accept or reject.

The charts shown in figures 5, 6, and 7 are 'predictive', i.e. they have been used in the analysis of the Iau tone morphemes to predict the meanings of tones that have not been found in the data and also to help determine the meanings of tones with only a very limited occurrence in the data. This has been especially helpful in the analysis of tones 6, 7 and 2. As we saw in section 2.0, the chart predicts that a tone 7 on a directive particle will occur in some situation where the hearer is resistant to speaker but where the speaker feels he has the right to

control the behavior of the hearer. When a tone 7 on a directive did finally occur, it appeared in just such a context. Tones 6, 2 and 5 do not occur in the data on segmental illocutionary force particles in the data but they do occur on segmental illocutionary force particles used as exclamations. The situations in which these exclamations are used coincide with the kind of situations predicted by the tone morpheme charts.

NOTES

1. See Appendix 1 and 2 in Bateman, "Tone Morphemes and Aspect in Iau" for a brief overview of Iau and a listing of the Iau postverbal particles, the tone morphemes and the meaning of each along with a listing of the abbreviations used in the examples.
Research for this paper has been done under the auspices of a cooperative project of the Universitas Cenderawasih in Irian Jaya, Indonesia and the Summer Institute of Linguistics. The author has had 30 months of village time in Fauri as part of a 4-year period of intensive work on Iau Language data. Since the author's goal in Iau study is to be able to produce well-formed coherent texts of translated material into Iau, the analysis has been directed towards acquiring native speaker ability to produce well-formed text or at least to be able to determine whether or not a text is well-formed and makes use of normal discourse coherence features of Iau.
I would like to thank my partner, Dr Helen Miehle, for her comments on successive drafts of this paper and also Dr Larry Jones for some very helpful comments.
2. In Iau, not all sentences are marked for illocutionary force. The addition of mood particles in Iau shifts the focus of the sentence from the assertion of the information content of the sentence to the assertion of the speaker's attitude toward the proposition and the hearer. Content questions (e.g. who? what? why? etc.) and their answers do not take mood particles.
3. The term directive as used by Lyons (1977:746) includes any utterance through which the speaker tries to influence the behavior of the hearer. Examples of directives are: commands, requests, warnings, etc.
4. Status is a term used by Foley and Van Valin (1984:213) to refer to the actuality of the event, i.e. whether it has been actually realized or not.
5. For the purposes of this paper discourse topic can be defined as 'what the discourse is about'. Discourse topics in narrative discourse are usually a single entity, i.e. a participant or a prop. In conversational discourse, the discourse topic can be a single entity or the discourse topic can be a proposition.
6. The narrative discourse functions of the Iau aspect tone morphemes are discussed briefly in Bateman, The Tone Morphemes and Aspect in Iau. A more complete discussion entitled, "The Pragmatic Discourse Functions of the Iau Tone Morphemes" is currently being revised.

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