

SYNTACTIC CATEGORIES IN TAGALOG

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Professor Kenneth Pike, in his plenary lecture "Matrix Formatives in N-Dimensional Linguistics", spoke of the "Eurocentrism" of linguistics. A vivid example of such Eurocentrism is provided by various descriptions and analyses of clause structure in Tagalog. Thus Filipino schoolchildren learn from their grammar book that Tagalog sentences are of the form *subject-copula verb* -- in other words, just like their English counterparts. Alas, it is hard to imagine a more unwarranted imposition of one language's structure upon that of another than is evident in such a statement.

Most linguists now recognize that Tagalog differs from English at least with respect to its basic word order, which is verb-initial: various subject-initial constructions, in which the copula *ay* is inserted, are generally considered to be more highly marked variants. Moreover, it is often observed that Tagalog differs from English also with respect to its inventory of grammatical relations; thus, Schachter (1976, 1977), Gil (1984) and others argue that Tagalog has neither subjects nor direct objects, its basic sentence structure consisting of a verb followed by a string of nominals. Such descriptions go some of the way toward freeing the study of Tagalog from its Eurocentric shackles -- but they do not go far enough.

In this paper, I suggest that Tagalog differs from English and other European languages more radically than is generally supposed: not only with respect to its basic word order and its inventory of grammatical relations but also with respect to its inventory of syntactic categories, or "parts of speech". Specifically, I propose that Tagalog possesses but a single open syntactic category¹. In other words Tagalog does not distinguish between categories such as noun, adjective, verb and sentence, nor does it distinguish between lexical categories and their phrasal

¹In addition to a single open syntactic category, Tagalog also possesses a closed syntactic category of clitics characteristically occurring in Wackernagel's sentence-second position. Whether Tagalog has additional closed syntactic categories must remain open to future investigation.

projections, that is to say between nouns and noun-phrases, adjectives and adjective-phrases, verbs and verb-phrases, and so forth².

In the absence of familiar distinctions such as noun/adjective, noun/verb, and so forth, a new term is needed to denote the single undifferentiated open syntactic category of Tagalog. An opportunity hereby presents itself to redress the Greek and Latin bias of linguistic terminology. Accordingly, I propose the Tagalog term *parirala* "phrase" to denote the single open syntactic category of Tagalog, and, more generally, any open syntactic category that is the only such category in its language.

Any discussion of syntactic categories must be based on a clear understanding of what a syntactic category actually is. By "syntactic category" I shall mean a set of words or phrases exhibiting similar syntactic behaviour. In many instances, members of a syntactic category may also share morphological and/or semantic properties; however, the existence of a syntactic category can only be supported on syntactic grounds. Ideally, a syntactic category will be associated with a substantial array of syntactic rules and principles, each of which applies to every member of the syntactic category in question and to no members of any other syntactic categories. In reality, however, syntactic categories generally contain prototypical members, to which all the relevant rules and principles apply, and also less prototypical members, to which some of the rules and principles may fail to apply. Thus, the viability of a syntactic category is proportionate to the number of rules and principles that make reference to it, and the degree to which these rules and principles apply to coextensive sets.

Thus, in order to show that Tagalog has a single open syntactic category, *parirala*, it is necessary to demonstrate that there exists no set of syntactic rules and principles converging to define any of the familiar syntactic categories, noun, adjective, verb, and so forth, or any other syntactic category consisting of a proper subset of all words and phrases in Tagalog. Claims of non-existence are risky propositions: one has to look everywhere to be absolutely certain that what one seeks does not exist. I have not looked everywhere

²A number of scholars, for example Schachter and Otnes (1972), Gil (1982, chapter 6), and Shkarban (1992), have claimed that various syntactic categories are less readily differentiated in Tagalog than in other languages. The present claim is more far-reaching in that it expressly denies the viability of such categories altogether.

-- and even if I had, considerations of space would have prevented me from reporting on this here. However, I have looked in what I consider to be some of the most likely places, and found no evidence whatsoever for distinguishing between two or more open syntactic categories in Tagalog. I therefore offer the claim that Tagalog has a single open syntactic category, parirala as an interim conclusion, to be supported or perhaps modified by future investigation.

The extent to which Tagalog syntax is unlike that of English and other European languages is perhaps most evident in live texts. The following passage from the newspaper *Balita* (18.7.1990, p.2) reports on the rescue operations following a devastating earthquake³:

- (1) Sampung "Huey" transport helicopters ang pinapunta kahapon sa Central at Northern Luzon sa utos ni Air Force chief Maj. Gen. Gerardo Protacio, para tumulong sa paghahanap at pagliligtas sa mga biktima ng lindol. Siyam na helicopter mula sa Visayas at Bicol region ang tutulong din sa malawak na rescue operation.

ten-LIG Huey transport helicopters TOP IA:PT:PFV-go yesterday OBL Central and Northern Luzon OBL command PERS:DIR Air Force chief Maj. Gen. Gerardo Protacio, for AT:INF-assist OBL GER-search and GER-free OBL PL victim DIR earthquake. nine LIG helicopter from OBL Visayas and Bicol region TOP AT:IPFV-assist too OBL extensive LIG rescue operation.

"Ten "Huey" transport helicopters were sent yesterday to Central and Northern Luzon by command of Air Force chief Maj. Gen. Gerardo Protacio, to assist in the searching and freeing of the victims of the earthquake. Nine helicopters from the Visayas and Bicol region will assist too in the extensive rescue operation."

As evidenced by the morpheme-by-morpheme gloss and subsequent translation, the Tagalog passage can be rendered into grammatical English in such a way that the linear order of the major lexical items in Tagalog is perfectly preserved in the English translation. Nevertheless, in spite of such superficial similarity, the syntactic structures of the Tagalog passage and its

³In the morpheme-by-morpheme glosses provided in this paper, the following abbreviations are used: AT "actor topic"; DIR "direct (case)"; DT "direction topic"; GER "gerund"; IA "indirect action"; INF "infinitive"; IPFV "imperfective"; IT "instrumental topic"; LI "ligature"; LT "locative topic"; OBL "oblique"; PERS "personal"; PFV "perfective"; PL "plural"; PT "patient topic"; SG "singular"; STAT "stative"; TOP "topic"; 1 "first person".

English translation could not be more different. In traditional terms, the first sentence would be analyzed as consisting of a nominal predicate *Sampung "Huey" transport helicopters* "Ten "Huey" transport helicopters", plus a topic phrase, marked with *ang*, comprising the remainder of the sentence, and headed by a nominalized verbal form *pinapunta* "were sent"⁴. A similar analysis would be proposed for the second sentence as well. Thus, unlike the English translation, the Tagalog passage appears to display a highly marked construction, in which a nominal phrase functions as predicate, while a verbal complex plays the role of argument. However, the most cursory examination of Tagalog texts, written and spoken, reveals that such constructions are widespread and natural, thereby belying their traditional characterization as more highly marked.

The prevalence of such constructions can be readily explained by abandoning the assumption that Tagalog contains two major syntactic categories: verbs, or verb phrases, typically occurring in predicate position, and nouns, or noun phrases, characteristically occurring in argument position. In general, the primary motivation for syntactic categories is distributional. Thus, in English, verb phrases are what combine with noun phrases to produce sentences: a verb phrase cannot occur in a noun phrase position, and a noun phrase cannot occur in a verb phrase position. However, in Tagalog, there seem to be no such distributional constraints. Rather, the following generalization appears to hold: *anything can go anywhere*. Hence, in the absence of any constraints on the distribution of words and phrases in Tagalog, there is no reason to posit more than a single open syntactic category, namely, *parirala*.

Evidence for the claim that anything can go anywhere is presented in examples (2) - (5) below, illustrating some of the most basic construction types in Tagalog. Examples (2) - (5) provide templates into which words or phrases may be inserted. Under each template, examples are provided of words traditionally assumed to belong to different syntactic categories; these are marked as "E-nouns", "E-verbs" and "E-adjectives" respectively, where the prefix "E-" stands for "English". That is to say,

⁴Often, such constructions are translated into English with a cleft construction, for example "It was ten "Huey" transport helicopters that were sent ..." However, such a translation is clearly inappropriate in the present context, thereby casting doubt on the traditional characterization of the Tagalog construction as consisting of predicate followed by *ang*-marked topic argument.

these are words whose equivalents in English are nouns, verbs and adjectives respectively, and are commonly assumed to be so also in Tagalog. However, as evidenced in examples (2) - (5), E-nouns, E-verbs and E-adjectives can occur anywhere in the templates: the resulting constructions, listed below each template, are all grammatical⁵.

Example (2) illustrates the so-called "predicate-plus-argument" construction, discussed in the context of example (1); this construction is associated with a template of the form *L ang B*, where *L* and *B* are arbitrary parirala, and *ang* is the so-called "topic-marker":

(2)	_____	ang	_____	
	lolo		bangkero	E-nouns
	grandfather		boatman	
	lumabas		bumalik	E-verbs
	AT:PFV-go:out		AT:PFV-return	
	malungkot		mabait	E-adjectives
	STAT-sad		STAT-kind	

- (a) Lolo ang bangkero
"The boatman is a grandfather"
- (b) Lolo ang bumalik
"The one who returned is a grandfather"
- (c) Lolo ang mabait
"The kind one is a grandfather"
- (d) Lumabas ang bangkero
"The boatman went out"
- (e) Lumabas ang bumalik
"The one who returned went out"
- (f) Lumabas ang mabait
"The kind one went out"
- (g) Malungkot ang bangkero
"The boatman is sad"
- (h) Malungkot ang bumalik
"The one who returned is sad"
- (i) Malungkot ang mabait
"The kind one is sad"

As evidenced by constructions (2a-i), E-nouns, E-verbs and E-adjectives may occur in either position in the template; all nine combinations are grammatical.

Example (3) illustrates the so-called "noun-plus-modifier" construction, associated with a template of

⁵Some speakers may find some of the constructions more felicitous than others. However, the same is true also for their English translations. The factors involved in such judgements would appear to be semantic or pragmatic rather than syntactic.

the form L -ng/na B , where L and B are arbitrary parirala, and -ng/na is the ligature⁶:

(3)	_____	-ng/na	_____	
	lolo		bangkero	E-nouns
	grandfather		boatman	
	lumabas		bumalik	E-verbs
	AT:PFV-go:out		AT:PFV-return	
	malungkot		mabait	E-adjectives
	STAT-sad		STAT-kind	

- (a) lolong bangkero
 "a grandfather who's a boatman"
 "a boatman who's a grandfather"
- (b) lolong bumalik
 "a grandfather who returned"
 "one who returned who's a grandfather"
- (c) lolong mabait
 "a kind grandfather"
 "a kind one who's a grandfather"
- (d) lumabas na bangkero
 "one who went out who's a boatman"
 "a boatman who went out"
- (e) lumabas na bumalik
 "one who went out who returned"
 "one who returned who went out"
- (f) lumabas na mabait
 "one who went out who's kind"
 "a kind one who went out"
- (g) malungkot na bangkero
 "a sad one who's a boatman"
 "a sad boatman"
- (h) malungkot na bumalik
 "a sad one who returned"
 "one who returned who's sad"
- (i) malungkot na mabait
 "a kind sad one"
 "a sad kind one"

Again, as evidenced by constructions (3a-i), E-nouns, E-verbs and E-adjectives may occur in either position in the template; all nine combinations are grammatical. In fact, each of the constructions is ambiguous, and can be interpreted either as head-followed-by-modifier (as in the first translation), or as

⁶The form of the ligature is determined morphophonemically: a suffix -ng if the preceding word ends in a vowel, -n, or -ng; a free form na otherwise.

modifier-followed-by-head (as in the second translation)⁷.

Example (4) illustrates constructions containing the marker *ng*, involving a template of the form *P ng L*, where *P* and *L* are arbitrary parirala:

(4)	<u> </u>	<i>ng</i>	<u> </u>	
	pinsan		lolo	E-nouns
	cousin		grandfather	
	pinatay		lumabas	E-verbs
	PT:PFV-kill		AT:PFV-go:out	
	mapayat		malungkot	E-adjectives
	STAT-thin		STAT-sad	

- (a) "pinsan ng lolo"
"a grandfather's cousin"
- (b) pinsan ng lumabas
"one who went out's cousin"
- (c) pinsan ng malungkot
"a sad one's cousin"
- (d) pinatay ng lolo
"killed by a grandfather"
- (e) pinatay ng lumabas
"killed by one who went out"
- (f) pinatay ng malungkot
"killed by a sad one"
- (g) mapayat ng lolo
"a grandfather's thin one"
- (h) mapayat ng lumabas
"one who went out's thin one"
- (i) mapayat ng malungkot
"a sad one's thin one"

In traditional terminology, *ng* is characterized, alternatively, as either a "case marker", mediating between verb and noun, or a "genitive marker", linking between two nouns. However, such a dual characterization is an artifact of an unwarranted distinction between verbal and nominal categories. Thus, as evidenced by constructions (4a-i), E-nouns, E-verbs and E-adjectives may occur in either position in the *ng* template; all nine combinations are grammatical.

Constructions with *ang*, *-ng/na* and *ng* may be recursively combined to form more complex constructions; again, at each stage, anything can go anywhere. Example (5) below illustrates one such possibility, involving a template of the form *P ng L ang B*:

⁷In some cases, one of these interpretations is more readily available than the other; these factors need not concern us here.

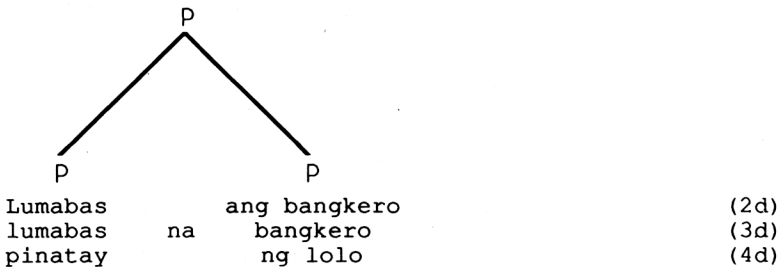
(5)	_____	ng	_____	ang	_____	
	pinsan		lolo		bangkero	E-nouns
	cousin		grandfather		boatman	
	pinatay		lumabas		bumalik	E-verbs
	PT:PFV-kill		AT:PFV-go:out		AT:PFV-return	
	mapayat		malungkot		mabait	E-adjectives
	STAT-thin		STAT-sad		STAT-kind	

- (a) Pinsan ng lolo ang bangkero
"The boatman is a grandfather's cousin"
- (b) Pinsan ng lolo ang bumalik
"The one who returned is a grandfather's cousin"
- (c) Pinsan ng lolo ang mabait
"The kind one is a grandfather's cousin"
- (d) Pinsan ng lumabas ang bangkero
"The boatman is one who went out's cousin"
- (e) Pinsan ng lumabas ang bumalik
"The one who returned is one who went out's cousin"
- (f) Pinsan ng lumabas ang mabait
"The kind one is one who went out's cousin"
- (g) Pinsan ng malungkot ang bangkero
"The boatman is a sad one's cousin"
- (h) Pinsan ng malungkot ang bumalik
"The one who returned is a sad one's cousin"
- (i) Pinsan ng malungkot ang mabait
"The kind one is a sad one's cousin"
- (j) Pinatay ng lolo ang bangkero
"The boatman was killed by a grandfather"
- (k) Pinatay ng lolo ang bumalik
"The one who returned was killed by a grandfather"
- (l) Pinatay ng lolo ang mabait
"The kind one was killed by a grandfather"
- (m) Pinatay ng lumabas ang bangkero
"The boatman was killed by one who went out"
- (n) Pinatay ng lumabas ang bumalik
"The one who returned was killed by one who went out"
- (o) Pinatay ng lumabas ang mabait
"The kind one was killed by one who went out"
- (p) Pinatay ng malungkot ang bangkero
"The boatman was killed by a sad one"
- (q) Pinatay ng malungkot ang bumalik
"The one who returned was killed by a sad one"
- (r) Pinatay ng malungkot ang mabait
"The kind one was killed by a sad one"
- (s) Mapayat ng lolo ang bangkero
"The boatman is a grandfather's thin one"
- (t) Mapayat ng lolo ang bumalik
"The one who returned is a grandfather's thin one"
- (u) Mapayat ng lolo ang mabait
"The kind one is a grandfather's thin one"
- (v) Mapayat ng lumabas ang bangkero

- "The boatman is one who went out's thin one"
- (w) Mapayat ng lumabas ang bumalik
"The one who returned is one who went out's thin one"
- (x) Mapayat ng lumabas ang mabait
"The kind one is one who went out's thin one"
- (y) Mapayat ng malungkot ang bangkero
"The boatman is a sad one's thin one"
- (z) Mapayat ng malungkot ang bumalik
"The one who returned is a sad one's thin one "
- (&) Mapayat ng malungkot ang mabait
"The kind one is a sad one's thin one "

As evidenced by constructions (5a-&), E-nouns, E-verbs and E-adjectives may occur in any of the three positions in the template; all twenty-seven combinations are grammatical. Thus, examples (2) - (5) provide prima facie evidence in support of the claim that anything can go anywhere. In so doing, they provide support for the claim that Tagalog has but a single open syntactic category, *parirala*.

We may accordingly represent the syntactic structures of the above constructions as follows⁸:



⁸A more complete syntactic representation might include a specification of head-modifier relations. Specifically, the constructions represented in (2) and (4) are head-initial, while those in (3) may be either head-initial or head-final. Evidence for such head-modifier relations is provided, *inter alia*, by the projection of the morphological feature of voice, for example the patient-topic infix *-in-* in (5j).

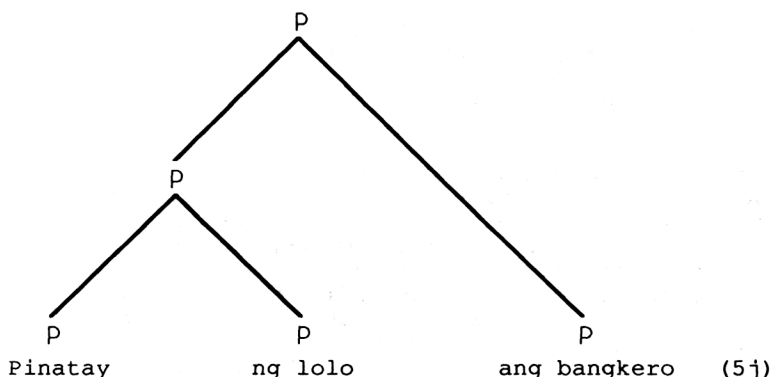


Figure 1: Syntactic Structures in Tagalog

The existence of a single open syntactic category *parirala* in Tagalog accounts for a wide variety of syntactic properties that are unusual from a cross-linguistic, typological perspective; three such properties are considered below.

The first property is that of free constituent order. Although scrambling of the Warlpiri variety is not possible -- Tagalog provides ample evidence for the existence of hierarchic binary-branching constituent structure -- the relative order of sister constituents is quite unconstrained. Consider the following examples:

- (6) (a) itong bangkero
 TOP:this-LIG boatman
 (b) bangkerong ito
 boatman-LIG TOP:this
 "this boatman"
- (7) (a) malungkot na bangkero
 STAT-sad LIG boatman
 (b) bangkerong malungkot
 boatman-LIG STAT-sad
 "sad boatman"
- (8) (a) nasa bahay na bangkero
 in house LIG boatman
 (b) bangkerong nasa bahay
 boatman-LIG in house
 "boatman in the house"

- (9) (a) bumalik na bangkero
 AT:PFV-return LIG boatman
 (b) bangkerong bumalik
 boatman-LIG AT:PFV-return
 "boatman who returned"

Examples (6) - (9) illustrate the relative order of E-nouns and E-determiners, E-adjectives, E-prepositional-phrases and E-relative-clauses respectively. While in English and in most other languages, the relative order of nouns and their modifiers is fixed, in Tagalog, as shown above, the corresponding orders are quite free. The reason, of course, is that Tagalog does not have nouns, determiners, adjectives, prepositional phrases and relative clauses: they are all *parirala*.

The second property of Tagalog resulting from the existence of a single open syntactic category is the absence of grammatical relations such as subject and direct object. Consider the following constructions:

- (10) (a) Sumulat ang bata
 AT:PFV-write TOP child
 "The child wrote"
 (b) Isinulat ang liham
 PT:PFV-write TOP letter
 "[X] wrote the letter"
 (c) Sinulatan ang pangulo
 DT:PFV-write TOP president
 "[X] wrote to the president"
 (d) Pinagsulatan ang mesa
 LT:PFV-write TOP table
 "[X] wrote on the table"
 (e) Ipinansulat ang lapis
 IT:PFV-write TOP pencil
 "[X] wrote with the pencil"

Example (10) presents a typical paradigm in which the stem *sulat* "write" is marked with five different voice affixes determining the thematic role of the *ang*-phrase: actor, patient, direction, locative and instrumental respectively. Whereas in English and most other languages, the unmarked voice is that which associates topic with agent, thereby giving rise to the grammatical relation of subject, in Tagalog a variety of affixes are available, and if any is unmarked, it is the patient-topic rather than the agent-topic affix⁹. Thus, Tagalog lacks the usual grammatical relations of subject, direct object, and so forth.

⁹See, for example, De Guzman (1976, 1979), Cena (1977), and Gil (1984).

The absence of grammatical relations in Tagalog is a straightforward consequence of the absence of distinct open syntactic categories. Grammatical relations result from the relationship of government that holds between a verb and its nominal arguments. However, if a language has no verbs or nominal arguments, government cannot hold, and there will be no grammatical relations. The renowned voice affixes of Tagalog may thus be viewed as an alternative means for expressing thematic roles, in the absence of an ordinary nominal case marking system.

The third property of Tagalog resulting from the existence of a single open syntactic category is the absence of NP-movement: with no NPs, there can be no NP-movement. Thus, WH-question words, although usually construction-initial, are actually in situ, in the first, or so-called "predicate" position of the template illustrated in (2) above:

- (11) (a) * Kanino_i ang sumulat ang bata ng liham [e_i]
 OBL-who TOP AT:PFV-write TOP child DIR letter
 (b) * Kanino_i ang isinulat ng bata ang liham [e_i]
 OBL-who TOP PT:PFV-write DIR child TOP letter
 (c) Sino ang sinulatan ng bata ng liham
 TOP-who TOP DT:PFV-write DIR child DIR letter
 "Who did the child write a letter to?"

Similarly, instead of relative clauses, a complex but gapless parirala modifies its head in accordance with the template illustrated in (3) above:

- (12) (a) * pangulong_i sumulat ang bata ng liham [e_i]
 president-LIG AT:PFV-write TOP child DIR letter
 (b) * pangulong_i isinulat ng bata ang liham [e_i]
 president-LIG PT:PFV-write DIR child TOP letter
 (c) pangulong sinulatan ng bata ng liham
 president-LIG DT:PFV-write DIR child DIR letter
 "the president that the child wrote a letter to"

In both cases, it is of course the productive voice affixes that prevent massive loss of expressive power, permitting phrases of various thematic roles -- in (11) and (12) above the direction -- to be questioned and relativized.

Although the presence of a single open syntactic category in Tagalog is a syntactic property, it bears morphological and semantic consequences as well. In many languages, morphological word classes may reflect syntactic categories; however, in Tagalog there are no such categories to be reflected, and hence morphological word classes are partly arbitrary, and partly motivated by semantic factors. For example, many descriptions of

Tagalog grammar take the presence of voice and aspect morphology to be characteristic of a syntactic category of verb. Nevertheless, as shown in (2) - (5) above, words with voice and aspect marking, E-verbs, may occur anywhere. Moreover, the class of words that can take voice and aspect morphology is much larger than in most languages, including, among others, characteristically nominal items such as names, eg. *pumasa-Maynila* AT:PFV-at-Manila "went to Manila"; proforms, eg. *suma-akir* AT:PFV-OBL-OBL:l:SG "was mine"; deictics, eg. *pumaritc* AT:PFV-OBL:this "came here"; and interrogatives, eg. *umano* AT:PFV-what "did what". Admittedly, not every word in Tagalog can take voice and aspect morphology; however, the class of words that are marked for voice and aspect does not share any syntactic properties that would justify positing a syntactic category of verb.

The existence of a single open syntactic category in Tagalog bears important semantic consequences too. Some logical forms for basic constructions in Tagalog are proposed in (13) below¹⁰:

- (13) (a) single word: B B(x)
 (b) template (2): L ang B L(λ x B(x))
 (c) template (3): L -ng/na B (λ LL(λ y B(y)))(x)
 (λ BB(λ y L(y)))(x)
 (d) template (4): P ng L (P/(λ y L(y)))(x)
 (e) template (5): P ng L ang B (P/(λ y L(y)))(λ x B(x))

In accordance with (13a), a single word B has the logical form B(x), a predicate applying to a free variable. For example, *bangkero* means "x is a boatman", *bumalik* means "x returned", and *mabait* means "x is kind". As suggested in (13b-e), larger phrases are associated with more complex logical forms, involving a lambda operator " λ " (read: "such that") and an associational operator "/" (read: "of"). The above formulae thus make reference to the single open syntactic category *parirala*, regardless of whether the relevant phrases correspond to nouns, verbs, adjectives, or any other syntactic category in English.

In this paper, I have provided *prima facie* evidence to the effect that Tagalog has but a single open syntactic category, namely *parirala*. By abandoning the traditional parts-of-speech distinctions between noun,

¹⁰The formulae in (13) are a mere tentative preliminary proposal; their purpose is just to provide some indication as to how the existence of a single open syntactic category in Tagalog may be reflected in its logical forms.

verb, adjective and the like, a further step has been taken towards freeing the description of Tagalog grammar from the confines of Eurocentrism. Nevertheless, in the quest for a global linguistics, it is important not to throw the baby out with the bath water. Although distinctions between syntactic categories play a major role in most current syntactic theories, such theories also provide the necessary apparatus for accomodating cross-linguistic variation when it is encountered. Thus, within generative grammar, some recent work has explored patterns of cross-linguistic variation with respect to inventories of functional categories, such as INFL and DET, under the aegis of parametric variation. The results of this paper raise the possibility that parametric variation may account for differences in the inventories not just of functional categories but of lexical and phrasal categories as well.

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