

ONE-WORD SOLECISMS AND THE LIMITS OF SYNTAX

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“I’m syntax free.”
—Kim GORDON

1. Syntax Now and Then

By “syntax”, we generally mean the combination of words into sentences (and, usually, intermediate subsentential structures¹). It is a central tenet of Chomskyan linguistics that syntax constitutes a well-defined level of language; hence the Autonomous Syntax Principle:

ASP: No syntactic rule can make reference to pragmatic, phonological, or semantic information. (Radford 1988: 31)

But much of this is controversial today. **ASP** is under attack from all quarters.

One distinguished syntactician observes with pungent irony: “I am most convinced of the appropriateness of developing an *autonomous* syntax when the discussion involves areas far from my own research” (Ruwet 1991: xvii).

Contemporary linguistics devotes much attention to the “interface” between syntax and phonology². The borderland between syntax and semantics has been hotly contested; similarly that between syntax and pragmatics³. It is doubted that an autonomous syntax module is compatible with evolutionary biology (Lieberman 1992). Neurolinguistic data suggest that there exists significant interaction between syntactic and semantic processes (Gunter et al. 1997). From

¹Such structures are not recognized by Word Grammar (Hudson and van Langendonck 1991).

²For a review, see Golston (1995).

³See e.g. Bunge (1984: 131–141). Some recent remarks of Chomsky’s, relevant to the debates, can be found in Stemmer (1999).

philosophers we hear numerous criticisms of strict modularity.

Autonomy, however, is not the only problem with syntax. First, there is abundant evidence to suggest that we need more than *words*; nonverbal tokens—in particular, gestures—are not readily dissociable from syntactic structures⁴. Second, syntax may not stop at the *sentence*; perhaps we need to take account of regularities that involve larger structures. (This is the premise of text or discourse grammar.)

These are all modern concerns, of course. But in what follows, I shall show that they were known in antiquity as well. Ancient grammarians were aware of the difficulty of extricating syntactic from semantic and pragmatic structure; of the close relation between verbal and nonverbal planes of language; and of grammatical phenomena that appear in linguistic contexts larger than a single sentence. One place we find these concerns is in writings on solecism: specifically, in some controversial cases of *single-word* solecisms.

2. Some Definitions and Their Rationale

Before we get to the controversial cases, we would do well to survey the ancient grammatical doctrine of *vitia*—that is, errors in language. The best-known definitions offer a binary division: barbarism (an error in a single word) vs. solecism (an error in multiple words). For instance (*G.G.* I.3, p. 170):

D1. A mistake in a single word is barbarism; one in multiple words is a solecism⁵.

But there are others⁶. Among the most notable:

⁴See Armstrong et al. (1995); McNeill (1992); McNeill (2000b).

⁵τὸ γὰρ περὶ μίαν [sc. λέξιν] ἁμαρτάνειν βαρβαρισμός ἐστι, τὸ δὲ περὶ πλείονας σολοικισμός.

⁶The best general discussion is that of Baratin (1989: 262–278).

D2 (Stoics). Of the errors, a barbarism is a sequence of speech sounds that is contrary to the usage of authoritative Greek speakers; a solecism is a meaningful utterance put together incongruently⁷. (Diogenes Laertius 7.59)

D3 (Pliny). Pliny says that a barbarism is a single word whose essence is contrary to nature. What is a solecism? That which is poorly said as regards art⁸. (122–123 Mazzarino)

D4 (Scholia Londinensia). Solecism is a mistake in the syntax of words in a sentence.... Barbarism is a mistake of pronunciation that arises in a word⁹. (G.G. I.3, p. 446–447)

For the Stoics (**D2**), the difference between barbarism and solecism is the difference between λέξις (language conceived of in its material aspect) and λόγος (language conceived of as a relation between matter and meaning)¹⁰. For Pliny (**D3**), it is the difference between *natura* (the given phonological form of a word), and *ars* (the systematic, rule-governed aspect of language; especially inflectional morphology)¹¹. **D4** suggests a homologous view of language structure where γράμματα are the building blocks at one level (phonology), and words the building blocks at another (syntax)¹².

What is common to the various definitions? I propose that ancient

⁷ ὁ δὲ βαρβαρισμὸς ἐκ τῶν κακιῶν λέξις ἐστὶ παρὰ τὸ ἔθος τῶν εὐδοκιμούντων Ἑλλήνων, σολοικισμὸς δὲ ἐστὶ λόγος ἀκαταλλήλως συντεταγμένος.

⁸ *Plinius autem dicit barbarismum esse sermonem unum, in quo vis sua est contra naturam. | quid est soloecismus? quod male per artem dicitur.*

⁹ ἔστι δὲ σολοικισμὸς ἀμάρτημα περὶ τὴν σύνταξιν τῶν μερῶν τοῦ λόγου.... βαρβαρισμὸς ἐστὶν ἀμάρτημα προφορᾶς ἐν λέξει γινόμενον.

¹⁰ Cf. Sluiter (1990: 23).

¹¹ The key to understanding *natura* here is these sentences of Diomedes: *natura verborum nominumque immutabilis <est> nec quicquam aut minus aut plus tradidit nobis quam quod accepit. nam si quis dicat scrimbo quod est scribo, non analogiae virtute sed naturae ipsius constitutione convincitur* (G.L. 1, p. 439). I translate as follows: “The nature of verbs and of nouns is fixed (unchangeable) and it passes on to us nothing more and nothing less that it accepts. Whoever says *scrimbo* instead of *scribo* is proven wrong not by virtue of (an) analogy, but rather by the disposition of the nature of the very verb”. (This rendering involves several controversial choices, which I defend at length in my doctoral dissertation (in progress).) That is: the nature of words consists of a fixed, ordered sequence of *litterae*, without the possibility of substitutions (*immutabilis*), subtractions (*nec quicquam aut minus*), or additions (*aut plus*). The reader will notice that the statement effectively denies the four operations of the *quadripertita ratio* (*immutatio, transmutatio, adiectio, detractio*). Thus a word’s *natura* is basically its phonemic shape.

¹² Cf. Sluiter (1990: 43–46); Luhtala (2000: 26).

grammarians are trying to distinguish between two levels of language: (1) phonology, and (2) morphosyntax. It is clear that the Stoic λέξις refers to the sounds of language (compare the famous example βλίτυρι, a λέξις that is not a λόγος, i.e., has no meaning¹³). It is evident from the examples Pompeius uses in the context of Pliny's definition (*mamor* for *marmor* 'marble' and *columa* for *columna* 'column') that *natura* in **D3** has to do with the phonological aspect of language¹⁴. The definitions represent the morphosyntactic aspect variously: as simply a collocation of words (**D1**), as linguistic forms that can enter into strings which convey propositional content (**D2**), as the portion of language that is systematic and rule-governed (**D3**), and as a syntagmatic composite of words (**D4**).

The metalanguage varies, and some definitions are more theoretically oriented than others. For instance, the *plura verba* definitions (**D1 et similia**) clearly reflect the exigencies of the schoolroom: they are easy to assimilate and easy to apply. **D2** is firmly embedded within the context of a larger Stoic philosophical system, and it can only be understood in that context. **D4** may strike many modern readers as the most attractive and successful of the attempts.

There is more here, however, than inadequate metalanguage and terminological quibbling. The grammarians frequently disagree as to whether a particular error should be considered a barbarism, a solecism, or neither. If we examine the definitions, we come to realize that they entail differences in both the intension and extension of the terms *barbarism* and *solecism*. Let's take as an example the phonetic *vitium* known by the Roman grammarians as *mytacism*. In

¹³Diogenes Laertius 7.57.

Latin, intervocalic /m/ is realized differently depending on whether it occurs word-finally or elsewhere. Word-finally, its expression is nasalization of the preceding vowel (or a nasal off-glide); elsewhere it is a voiced bilabial nasal [m]. The pronunciation of final *-m* as [m] is called mytacism (*mytacismus*)¹⁵. Grammarians disagree, however, as to whether mytacism constitutes barbarism. If barbarism is defined as a mistake that occurs in a single word, then mytacism is ineligible, since it can only occur in the juncture between *two* words (Servius in *Donatum*, *G.L.* IV, p. 445). But some grammarians (presumably recognizing barbarism as concerned with errors at the phonological level) do consider it a barbarism¹⁶.

It is my contention that Greco-Roman grammarians, in attempting to tease apart levels of language structure, confronted substantial linguistic issues—ones that are still of interest in contemporary linguistics. In the remainder of this paper, I shall explore three related case studies of ancient controversies concerning the limits of syntax. My focus is on two authors: Apollonius Dyscolus and Quintilian.

3. Case 1: Deixis and Indexicality

A frequent objection to the *plura verba* definitions of solecism involves the use of a deictic pronoun inflected for the wrong gender: e.g. οὗτος in reference to a female. Sextus Empiricus (*Adv. Mathematicos* 1.212–213) addresses the problem, as does Apollonius Dyscolus (*G.G.* II.2, p. 273):

¹⁴*G.L.* V, p. 283.

¹⁵See Nyman (1977). Note that the phonetic realization of /m/ affects the perception of the word boundary, so that a spelling pronunciation of *-m* will cause the word boundary to be perceived in the wrong place.

¹⁶Donatus (p. 654 Holtz): *sunt etiam malae compositiones, id est cacosyntheta, quas nonnulli*

I haven't forgotten that some people have upset the *communis opinio*—that barbarism is an error involving a single word, and solecism the concatenation of incongruous words. They assert that solecism occurs in a single word if someone utters *hoûtos* with regard to a woman or to more than one person¹⁷.

Here we have a single word, but one that appears to be used ungrammatically. It can't be a barbarism, because it's not deviant at the phonetic (or submorphemic) level¹⁸. And so the grammarians—who take the sets of barbarisms and of solecisms to constitute mutually exclusive and exhaustive subsets of the set of grammatical errors—conclude that it must be a solecism.

Apollonius, however, is quick to dismiss these grammarians (G.G. II.2, p. 274):

It is apparent that the utterance per se is correct, but the use of the gender has been flip-flopped, contrary to the natural deixis of the utterance. And it's clear that this newly invented (ersatz) solecism concerning the pronoun *hoûtos* is impossible at night, and that we must add to the definition: "unless the syntactic construction occurs at nighttime"¹⁹.

In other words, the grammaticality of an utterance must be considered to be independent of any contingent truth (Blank 1982: 29). A *reductio ad absurdum* serves to emphasize the point. If we add as a condition on the use of οὗτος that there be a male present, then grammaticality will be contingent on lighting, since sex identification cannot be reliably performed in the dark (G.G. II.2, p. 274). And that does seem an absurd consequence.

barbarismos putant, in quibus sunt mytacismi, labdacismi, iotacismi, hiatus, conlisiones...

¹⁷ οὐδὲ ἐκεῖνο δέ με λέληθεν, ὡς τινες ἐπετάραξαν τὴν παρὰ πᾶσιν συμφώνως πιστευθεῖσαν δόξαν, ὡς μιᾶς λέξεως κακία ἐστὶν ὁ βαρβαρισμός, ἐπιπλοκῆς δὲ λέξεων ἀκαταλλήλων ὁ σολοικισμός, αὐτοὶ εἰσηγησάμενοι τὸ καὶ ἐν μιᾷ λέξει καταγίνεσθαι σολοικισμόν, εἰ κατὰ θηλείας φαίη τις οὗτος ἢ πλήθους ὑπόντος... Cf. Luhtala (2000: 163–164).

¹⁸ So Sextus observes (M. 1.213).

¹⁹ καὶ φαίνεται ὅτι ὅσον ἐπ' αὐτῷ ὁ λόγος κατάρθωται, παρὰ δὲ τὴν ἐξ αὐτοῦ γενομένην δεῖξιν τὰ τοῦ γένους ἐνήλλακται. σαφές τε ὡς οὐδὲ ἐν νυκτὶ ἐγχωρήσει ὁ καινότερον ἐπινοηθεὶς διὰ τῆς οὗτος ἀντωνυμίας σολοικισμός, καὶ δέον προσθεῖναι τῷ ὄρω, ὅτε μὴ ἐν νυκτερινῷ καταστήματι εἴη τὰ τῆς συντάξεως...

Apollonius’s position, however, is not without its shortcomings. First, he treats deictics and anaphors inconsistently²⁰. An anaphor incorrectly declined—e.g. a feminine relative pronoun with a masculine antecedent—constitutes a focal case of solecism. Yet for Apollonius a deictic incorrectly declined has nothing to do with solecism. Another difficulty with Apollonius’s position becomes evident when we examine a further passage (G.G. II.2, p. 275):

Someone who says **(S1)** *hoûtos me etupsen* ‘He hit me’ doesn’t make a grammatical error; for it follows grammatical structure. But if someone says about a woman: **(S2)** *hautê me etupsan* ‘She hit (PLURAL) me’, he commits an egregious solecism owing to the incongruity of the lexical forms, even though he gets the gender right²¹.

But we should reconsider the sentences Apollonius contrasts. **S2** is acceptable never; **S1**, sometimes. If I use **S1** of a woman, the problem is not that **S1** is false; rather, that it contains an illegitimate use of the word οὗτος. What is at issue is not knowledge about the world (as Apollonius asserts), but knowledge about language; in other words: acceptability, not truth.

Let me clarify the matter by imagining two parallel situations. (1) Some young children (around age 2–2 1/2) confuse first and second person pronouns, saying, for instance, *You want cookie* rather than *I want a cookie*. Here it is likely that they take the pronouns as names (*I* = ‘mother or caregiver’; *you* = ‘child’). They simply have not yet learned the correct use of personal pronouns²². (2) In

²⁰Recall that we owe the modern distinction between anaphoric and deictic pronouns to Apollonius (Bosch 1983: 4–6).

²¹τὸ οὖν κατὰ θηλείας λεγόμενον **(S1)** οὗτός με ἔτυψεν οὐχ ἀμάρτημα τοῦ λόγου· τὸ δέον γὰρ τοῦ καταλλήλου ἀνεδέξατο. εἰ γοῦν ὑπόουσης θηλείας φαίη τις **(S2)** αὕτη με ἔτυψαν, ὁμολόγως σολοικιεῖ διὰ τὸ ἀκατάλληλον τῶν λέξεων, κἂν ἀληθεύει τὸ γένος.

²²Clark (1978: 100–102); Fay (1979: 251); Charney (1979: 521); Tanz (1980: 52); Chiat (1981: 79–81); Loveland (1984: 548).

my beginning Latin class, a female student (speaking *propria persona*) says *conatus sum* 'I tried', when she should have said *conata sum*. I presume that she is aware of her own sex; what she doesn't know is that she's supposed to use a feminine participle here.

In sum, indexical expressions are special. It is a defining property that our interpretation of them depends on contextual coordinates such as SPEAKER and ADDRESSEE²³. And, further, the *acceptability* of such expressions can only be determined within a particular context. We simply cannot offer an adequate account of indexicals if we exclude the contextual component from the grammar.

4. Case 2: Gesture and Nonvocal Language

Quintilian reflects on related problems in the grammatical chapters of his *Institutio Oratoria* (1.5.36)²⁴:

A more learned question is whether solecism can also occur in single words, e.g. if someone calls an individual to himself by saying *venite* 'Come! (PLURAL)'; or if he dismisses several people with *abi* 'Go away! (SINGULAR)' or *discede*... Some people even suppose that the same mistake can occur in a gesture, when the voice says one thing, but the hand or the nod of the head says another²⁵.

Both problems involve a linguistic form that is unobjectionable per se, but is inappropriate when uttered in a given context. The former is a clear parallel to οὔτως; the latter, I think, deserves special attention. To start, we should imagine a verbal affirmation, accompanied by the famous "Head Toss", which signifies

²³Cf. Nunberg (1993); Iida (1996: 164–170).

²⁴For the opinions of later Roman grammarians on these problems, see Vainio in this volume.

²⁵*illud eruditius quaeritur, an in singulis quoque verbis possit fieri soloecismus, ut si unum quis ad se vocans dicat 'venite', aut si pluris a se dimittens ita loquatur: 'abi' aut 'discede'.... in gestu etiam nonnulli putant idem vitium inesse, cum aliud voce, aliud nutu vel manu demonstratur.*

negation (a gesture still used in Greece and southern Italy)²⁶.

To recognize a solecism here entails conceiving of vocal and gestural modalities as belonging to an integrated system of communication. Such a model seems desirable to many linguists, psychologists, and anthropologists today. There is evidence that both in comprehension and in production speech and gesture share a stage of cognitive processing (Langton et al. 1996). With regard to a functional analysis, Kendon (2000: 61) has asserted that “gestures are organized in relation to the spoken phrases they accompany in such a way that we must say that they are part of the very construction of the utterance itself”. And the idea that gesture played a key role in the evolutionary development of human language is enjoying a revival (Armstrong et al. 1995)²⁷.

Moreover, recent philological research has demonstrated that a number of *prima facie* difficulties in classical texts can be explained away if we posit a gesture (or the presumption of one). For instance, at Plato *Apology* 38b1–4, we read νῦν δὲ—οὐ γὰρ ἔστιν.... What does γὰρ explain? Most likely, a gesture of negation, signifying the idea ‘that’s not possible’: “But as matters now stand, <GESTURE: that’s not possible>, since...” (Boegehold 1999: 114–115). The gestures that accompany spoken language played an important part in ancient rhetorical theory and practice²⁸. Quintilian, whose text is crucial on this subject (11.3.65–136), observes that “the hands almost talk themselves”²⁹. Also worth

²⁶McNeill (1992: 61).

²⁷The idea goes back to antiquity, e.g. Lactantius *Inst. Div.* 6.10.13–14: *homines... primo nutibus voluntatem suam significasse, deinde sermonis initia temptasse*. Cf. Lucretius 5.1022, Vitruvius 33.22, and the important discussion of Cole (1990: 63–64). One should compare Rousseau’s ideas on the relation of primitive vocal and gestural language in the first chapter of the *Essai sur l’origine des langues*.

²⁸Cf. Graf (1991); Aldrete (1999: 3–97).

²⁹*Hae [sc. manus], prope est ut dicam, ipsae locuntur* (11.3.85).

mentioning is Saul Levin's hypothesis that the Greek correlative pair μέν...δέ correspond to a movement of the hand, and a nod of the head, respectively (Levin 1978–9).

The gestural solecism helps us better to understand the οὐτος solecism, I believe. Ostensive deixis in speech is frequently accompanied by an indexical gesture—a physical act of pointing (Klein 2000: 94; Boegehold 1999: 85)³⁰.

Keeping that fact in mind, consider Quintilian's next remarks (1.5.37–38):

Neither do I fully agree with this opinion [sc. that one-word solecisms occur], nor do I fully reject it. For I say that it happens in a single word only if there is something else that has the semantic value of a second word, to which the aforementioned word may be referred—so that *solecism occurs in the combination of those tokens by which referents are signified and our meaning is indicated*. And that I may escape all quibbling, let's say: sometimes in a single word, but never in a word all by itself³¹.

So: a solecism can involve not only incongruity between multiple verbal elements, but also incongruity between a single verbal element and a nonverbal element. Quintilian's words are strikingly reminiscent of W.D. Whitney's functional definition of language (1897: 1–2):

Language, then, signifies rather certain instrumentalities whereby men consciously and with intention represent their thought, to the end, chiefly, of making it known to other men: it is expression for the sake of communication. The instrumentalities capable of being used for this purpose, and actually more or less used, are various: gesture and grimace, pictorial or written signs, and uttered or spoken signs.

³⁰Pointing is an extremely important act from the perspective of human (and primate) communication. In human infants, approximately 50% of pointing is accompanied by vocalization; and “[l]anguage-trained apes do appear to use pointing as a paralinguistic gesture to disambiguate the targets of particular signed communicative acts” (Leavens and Hopkins 1999: 423, 424). Cf. Camaioni (1997); Clark (1978: 96). Aldrete (1999: 17–34) treats at length Roman orators' use of indexical gestures.

³¹*huic opinioni neque omnino accedo neque plane dissentio; nam id fateor accidere voce una, non tamen aliter quam si sit aliquid, quod vim alterius vocis optineat, ad quod vox illa referatur: ut soloecismus ex complexu fiat eorum quibus res significantur et voluntas ostenditur [cf. Lactantius's voluntatem significasse, supra. n. 27]. atque ut omnem effugiam cavillationem, sit aliquando in uno verbo, numquam in solo verbo.*

The communicative perspective allows us to reinterpret deictic solecisms.

Suppose I point to a female and say οὗτος...; I have committed a solecism because my speech and my gesture are not congruent.

I'd like to draw attention to a neglected passage that demonstrates the potential for an integrated account of speech and gesture in the ancient grammatical tradition. In the *Ars* ascribed to Remmius Palaemon, we find a class of indexical pronouns—called *minus quam finita*—which includes *tu, ille, iste, and hic* (*G.L. V, p. 541*):

For even *tu* is not fully definite, unless you've pointed your finger at a person. Therefore these are called *less than definite (semidefinite?)*.... So that we may differentiate the person we want from many others, we either add a proper name or point with our finger³².

Such forms are incomplete in themselves and must be saturated by some other token—either verbal or nonverbal. The author of this treatise clearly recognized that the use of indexicals must be considered in a linguistic context that includes more than just words.

5. Case 3: Relative Grammaticalness

Quintilian introduces one more type of single-word solecism: inappropriately inflected answers to *qu-* questions; for example, *ego* as a reply to the query *quem video?* (1.5.36):

And also when a response is discrepant with the question, e.g. if you reply *ego* 'I' to *quem video?* 'Whom do I see?'³³.

This example raises some nontrivial difficulties. Normally, to say that *me* rather

³² *nam et ipsum tu non plene finitum est, nisi in personam direxeris digitum: sic ergo minus quam finita dicenda sunt...sed ut de multis significemus quem quaerimus, aut nomen adicimus aut digitum intendimus.*

³³ *nec non cum responsum ab interrogante dissentit, ut si dicenti 'quem video?' ita occurras 'ego'. Cf.*

than *ego* is the correct form for the response, we would look to some other inflected word(s) in the sentence. But there are none. We can address the issue by assuming that a verb—*vides*—is gapped³⁴. While *me vides* is unobjectionable, **ego vides* is certainly solecistic. But whence this ghostly verb? We can't explain why *ego* is wrong here (i.e., provide an ἔλεγχος) without referring to the shifted form *vides* (note that this example, like the others, involves indexicality). But then we can't explain the inflected form of the pronoun (something that seems squarely situated in morphosyntax) without reference to rules that belong to a domain larger than that of the sentence.

The issue that arises has been termed “relative grammaticalness” (van Dijk 1977: 44). By itself *me* does not constitute a grammatical sentence; but as the answer to *quem video?* it is perfectly acceptable, whereas *ego* is unacceptable in that role. In confronting the phenomenon, one acknowledges the desirability (necessity?) of grammatical rules that apply to discourses (sentence sequences)³⁵.

6. Conclusion

Ancient grammarians' debate about the boundary between barbarism and solecism was not, as von Fritz (1949: 359) described it, merely pedantic. Rather it involved issues of substance—with which contemporary linguistics remains concerned.

In dividing grammatical errors into barbarisms and solecisms—and particularly in caring about exactly where the line is drawn—grammarians

Taylor (1993: 278).

³⁴Cf. Neijt (1980: 102–103).

³⁵Alternatively, one may declare that question-answer sequences don't really involve syntax at all and can be explained by recourse to general information processing strategies (Bartsch 1988: 10–11). This answer would hardly have appealed to Apollonius or other ancient grammarians; and it doesn't adequately deal with the fact that inherently syntactic phenomena are involved

demonstrate an interest in the problem of linguistic levels. At one level, there is a small set of speech sounds (*litterae*, γράμματα) that combine into larger units. At a higher level, a large number of words, together with inflectional morphemes, combine according to an entirely different set of rules. This notion corresponds, at least in part, to an awareness of what Hockett called “duality of patterning” (1961: 45–48). Errors at each level are distinct, as they involve the violation of different sets of norms. In the case of barbarism, one produces a sequence of phonemes that doesn’t occur in the lexicon; in the case of solecism, one combines the building blocks of the sentence (stems and inflectional morphs) in violation of morphosyntactic regularities.

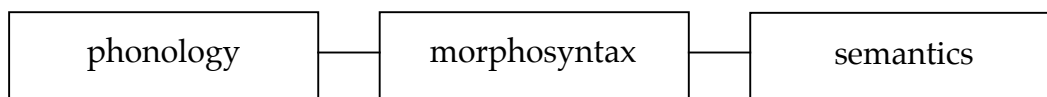
The binary division is widespread. But some grammarians place a third error alongside barbarism and solecism:

There are three types of linguistic error: barbarism, solecism, and *acyrologia*³⁶. (Ps.-Herodian, p. 295 Nauck)

The term ἀκυρολογία denotes the use of a word with the wrong semantic value:

Acyrologia occurs when someone uses an improper word and ignores a more appropriate one, e.g. if someone says *runchos* ‘snout’ of a person instead of *prosôpon* ‘face’³⁷. (Ps.-Herodian, p. 313 Nauck)

Here we have a three-level model:



The case studies I have presented in this paper provide evidence that ancient language theorists took the delineation of linguistic levels seriously. In them we see grammarians exploring the limits of syntax: territory that impinges

(shift from first to second person; case marking of pronoun).

³⁶ τρεῖς οὖν γίνονται κακίαι περὶ λόγον· σολοικισμός, βαρβαρισμός καὶ ἀκυρολογία.

³⁷ γίνεται δὲ ἀκυρολογία, ὅταν τις ἀκύρῳ φωνῇ χρήσηται παρὲς τὴν κυριωτέραν, οἷον ἕάν τις

on semantics, pragmatics, and discourse. I began with a naïve, seemingly uncontroversial definition of syntax: “the combination of words into sentences”. The case studies seem to call into question the adequacy of that definition. First, words are not enough, if we are to take non-verbal communicative tokens and deixis into account; and, second, the sentence is not an adequate upper limit, if we are to deal with the issues raised by question-answer sequences.

Apollonius and Quintilian represent two voices from what must have been a long-standing controversy. Clearly these matters were much discussed; clearly there was a considerable repertoire of arguments; and clearly there existed serious disagreement between various individuals and schools. The controversy reflects the real difficulty of modeling natural language and of trying to fit its often messy data into discrete partitions. Linguists today face the same difficulties when they ask *Is syntax autonomous?* If we can ask that question, we can hardly fault the ancients for asking *Are there one-word solecisms?*³⁸

εἴπη ῥύγχος ἀνθρώπου ἀντὶ τοῦ προσώπου.

³⁸I am grateful to those who read drafts of this paper and offered insightful comments: Alan Boegehold, Saul Levin, Dan Taylor, Philip Thibodeau, and William Wyatt. I have also benefited from discussions with Raija Vainio. Finally, I wish to thank the other participants in the symposium on “Syntax in Antiquity”—and especially the gracious and generous organizers, Pierre Swiggers and Alfons Wouters.

REFERENCES

- ALDRETE, Gregory S. 1999. *Gestures and Acclamations in Ancient Rome*. Baltimore: Johns Hopkins U.P.
- ARMSTRONG, David F., William C. STOKOE, and Sherman E. WILCOX. 1995. *Gesture and the Nature of Language*. Cambridge: Cambridge U.P.
- BARATIN, Marc. 1989. *La naissance de la syntaxe à Rome*. Paris: Éditions de Minuit.
- BARTSCH, Renate. 1988. "Correctness and Norms of Language". In: Caroline DUNCAN-ROSE and Theo VENNEMANN (eds.), *On Language: Rhetorica, Phonologica, Syntactica: A Festschrift for Robert P. Stockwell*, 3–21. London: Routledge.
- BLANK, David L. 1982. *Ancient Philosophy and Grammar: The Syntax of Apollonius Dyscolus*. American Classical Studies 10. Chico (Calif.): Scholars Press.
- . (ed.) 1998. *Sextus Empiricus: Against the Grammarians (Adversus Mathematicos I)*. Oxford: Oxford U.P.
- BOEGEHOLD, Alan L. 1999. *When a Gesture Was Expected: A Selection of Examples from Archaic and Classical Greek Literature*. Princeton: Princeton U.P.
- BOSCH, Peter. 1983. *Agreement and Anaphora: A Study of the Role of Pronouns in Syntax and Discourse*. London: Academic Press.
- BUNGE, Mario. 1984. "Philosophical Problems in Linguistics". *Erkenntnis* 21. 107–173.
- CAMAIONI, Luigia. 1997. "The Emergence of Intentional Communication in Ontogeny, Phylogeny, and Pathology". *European Psychologist* 2. 216–225.
- CHARNEY, Rosalind. 1980. "Speech Roles and the Development of Personal Pronouns". *Journal of Child Language* 7. 509–528.
- CHIAT, Shulamuth. 1981. "Context-specificity and Generalization in the Acquisition of Pronominal Distinctions". *Journal of Child Language* 8. 75–91.
- CLARK, Eve V. 1978. "From Gesture to Word: On the Natural History of Deixis in Language Acquisition". In: Jerome S. BRUNER and Alison GARTON (eds.), *Human Growth and Development: Wolfson College Lectures, 1976*, 85–120. Oxford: Clarendon.
- COLE, Thomas. 1990. *Democritus and the Sources of Greek Anthropology*. 2nd ed. American Philological Association Monographs 25. Atlanta (Georgia): Scholars Press.
- DIJK, Teun A. van. 1977. "Acceptability in Context". In: Sidney GREENBAUM (ed.), *Acceptability in Language*, 39–61. The Hague: Mouton.

- FAY, Warren H. 1979. "Personal Pronouns and the Autistic Child". *Journal of Autism and Developmental Disorders* 9. 247–260.
- GOLSTON, Chris. 1995. "Syntax Outranks Phonology: Evidence from Ancient Greek". *Phonology* 12. 343–368.
- GRAF, Fritz. 1991. "Gestures and Conventions: The Gestures of Roman Actors and Orators". In: Jan BREMMER and Herman ROODENBURG (eds.), *A Cultural History of Gesture*, 36–58. Ithaca (N.Y.): Cornell U.P.
- GUNTER, Thomas C., Laurie A. STOWE, and Gijsbertus MULDER. 1997. "When Syntax Meets Semantics". *Psychophysiology* 34. 660–676.
- HOCKETT, Charles F. 1961. "Linguistic Elements and Their Relations". *Language* 37. 29–53.
- HOLTZ, Louis. 1981. *Donat et la tradition de l'enseignement grammatical: Étude sur l'Ars Donati et sa diffusion (IV^e–IX^e siècle) et édition critique*. Paris: CNRS.
- HUDSON, Richard A. and Willy van LANGENDONCK. 1991. "Word Grammar". In: Flip G. DROSTE and John E. JOSEPH (eds.), *Linguistic Theory and Grammatical Description, Current Issues in Linguistic Theory* 75, 307–335. Amsterdam: John Benjamins.
- HYMAN, Malcolm D. In preparation. *Barbarism and Solecism in Ancient Grammatical Theory*. Ph.D. thesis, Brown University, Providence (Rhode Island).
- IDA, Masayo. 1996. *Context and Binding in Japanese*. Stanford: CSLI.
- KENDON, Adam. 2000. "Language and Gesture: Unity or Duality?" In: MCNEILL 2000a. 47–63.
- KLEIN, Jared S. 2000. "Personal Deixis in Latin". *Classical Outlook* 77. 93–99.
- LANGTON, Stephen R. H., Claire O'MALLEY, and Vicki BRUCE. 1996. "Actions Speak No Louder Than Words: Symmetrical Cross-Modal Interference Effects in the Processing of Verbal and Gestural Information". *Journal of Experimental Psychology: Human Perception and Performance* 22. 1357–1375.
- LEAVENS, David A. and William D. HOPKINS. 1999. "The Whole-Hand Point: The Structure and Function of Pointing from a Comparative Perspective". *Journal of Comparative Psychology* 113. 417–425.
- LEVIN, Saul. 1978–9. "The Connective 'Particles' of Classical Greek Discourse". *CUNYforum* 5–6. 52–57.
- LIEBERMAN, Philip. 1992. "Could an Autonomous Syntax Module Have Evolved?" *Brain and Language* 43. 768–774.

- LOVELAND, Katherine A. 1984. "Learning About Points of View: Spatial Perspective and the Acquisition of 'I/you'". *Journal of Child Language* 11. 535–556.
- LUHTALA, Anneli. 2000. *On the Origin of Syntactical Description in Stoic Logic*. Henry Sweet Society Studies in Linguistics 7. Münster: Nodus.
- MAZZARINO, Antonio. (ed.) 1955. *Grammaticae Romanae Fragmenta Aetatis Caesareae*. Turin: Loescher.
- MCNEILL, David. 1992. *Hand and Mind: What Gestures Reveal about Thought*. Chicago: Univ. of Chicago Press.
- . (ed.) 2000a. *Language and Gesture*. *Language, Culture and Cognition* 2. Cambridge: Cambridge U.P.
- . 2000b. "Catchments and Contexts: Non-modular Factors in Speech and Gesture Production". In MCNEILL 2000a. 312–328.
- NAUCK, August. 1867. *Lexicon Vindobonense*. St. Petersburg: Eggers.
- NEIJT, Anneke. 1980. *Gapping: A Contribution to Sentence Grammar*. *Studies in Generative Grammar* 7. Foris: Dordrecht.
- NUNBERG, Geoffrey. 1993. "Indexicality and Deixis". *Linguistics and Philosophy* 16. 1–43.
- NYMAN, Martti. 1977. "Mytacticism in Latin Phonology". *Glotta* 55. 111–120.
- RADFORD, Andrew. 1988. *Transformational Grammar*. Cambridge: Cambridge U.P.
- ROUSSEAU, Jean-Jacques. 1983 [1781]. *Essai sur l'origine des langues*. Ed. Éric Zernik. Paris: Hatier.
- RUWET, Nicolas. 1991. *Syntax and Human Experience*. Translated by John GOLDSMITH. Chicago: Univ. of Chicago Press.
- SLUITER, Ineke. 1990. *Ancient Grammar in Context: Contributions to the Study of Ancient Linguistic Thought*. Amsterdam: VU U.P.
- STEMMER, Brigitte. 1999. "An On-Line Interview with Noam Chomsky: On the Nature of Pragmatics and Related Issues". *Brain and Language* 68. 393–401.
- TANZ, Christine. 1980. *Studies in the Acquisition of Deictic Terms*. Cambridge: Cambridge U.P.
- TAYLOR, Daniel J. 1993. "Desperately Seeking Syntax: Rewriting the History of Syntactic Theory in Greece and Rome". *Language & Communication* 13. 265–285.
- VAINIO, Raija. 1999. *Latinitas and Barbarisms According to the Roman Grammarians*. Turku: Department of Classics.

VON FRITZ, Kurt. 1949. "Ancient Instruction in 'Grammar' According to Quintilian". *American Journal of Philology* 70. 337–366.

WHITNEY, William Dwight. 1897. *The Life and Growth of Language: An Outline of Linguistic Science*. New York: Appleton.