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Book of abstracts

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Marina Benedetti: Finite vs non-finite complementation patterns in Post- Classical Greek: *μανθάνω* as a case-study.

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As is well-known, one of the most striking syntactic characteristics of Classical Greek is the variety of complementation patterns, involving the use of participles, infinitives, and finite clauses. In the diachrony of Greek, a drastic reduction of such a variety can be observed, with the decline of non-finite complementation, ultimately leading to the generalization of finite complementation. This process, starting from the Koine, gradually spread across the lexicon and across different construction types.

Aspects of continuity / discontinuity in complementation patterns between Classical and Postclassical Greek are here investigated, assuming the verb *μανθάνω* (in its literary usage) as a case-study, with special emphasis on some innovative trends.

References

- Bentein, K. 2015. Minor Complementation Patterns in Post-classical Greek (I–VI AD): A Sociohistorical Analysis of a Corpus of Documentary Papyri, *Symbolae Osloenses*, 89.1: 104-47.
- Bentein, K. 2017. Finite vs. Non-finite Complementation in Post-classical and Early Byzantine Greek. Towards a Pragmatic Restructuring of the Complementation System?, *Journal of Greek Linguistics* 17: 1-34.
- Bruno C., (in press) Infinitives at work. Competing patterns in early ptolemaic papyri letters. In Sonja Dahlgren et al. (eds.), *Act of the Scribe: Interfaces between scribal work and language use*, Cambridge University Press
- Cristofaro, S. 2012. Participial and infinitival complement sentences in Ancient Greek. In: V. Gast, H. Diessel (eds.), *Clause linkage in cross-linguistic perspective*, de Gruyter, 335–362.
- Cristofaro, S. 2008. A Constructionist Approach to Complementation: Evidence from Ancient Greek, *Linguistics* 46: 571-606.
- García Ramón, J.-L., *Infinitive im Indogermanischen? Zur Typologie der Infinitivbildungen und zu ihrer Entwicklung in den älteren indogermanischen Sprachen*, *Incontri linguistici* 20, 1997, 83-92.
- Holton, D., Horrocks, G., Janssen, M., Lendari, T., Manolassou, I., & Toufexis, N. (2019). *The Cambridge Grammar of Medieval and Early Modern Greek*. Cambridge, vol. IV, Cambridge University Press.
- Horrocks, G. 2007. Syntax: From Classical Greek to the Koine, in A. P. Christidis (ed.), *A History of Ancient Greek*, Cambridge University Press, 618-31.
- Horrocks, G. 2010. *Greek. A history of the language and of its speakers*², Wiley-Blackwell.
- Hult, K. 1990. Syntactic variation in Greek of the 5th century A.D. Göteborg: *Acta universitatis Gothoburgensis*.
- James, P. 2001/2005. Participial complementation in the Roman and Byzantine documentary papyri: *ἐπίσταμα, μανθάνω, εὐρίσκω*. *Journal of Greco-Roman Christianity and Judaism* 2. 153–167.
- Joseph, B. D. 1983. *The Synchrony and Diachrony of the Balkan Infinitive: A Study in Areal, General, and Historical Linguistics*. Cambridge University Press.
- Joseph, B. D. 2002. On Some Control Structures in Hellenistic Greek: A Comparison with Classical and Modern Greek, *Linguistic Discovery*, 1: 1-16.

Klaas Bentein:

Μέν ... δέ and contrastive comparison in Post-classical Greek

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The μέν ... δέ construction can be considered one of the hallmarks of Classical Greek: Lambert (2003:269-270) notes that in the Classical period the construction occurs so frequently that an instance can be found in practically every sentence, not just in rhetoric, but also in philosophy and poetry. Capturing the semantics of the construction has not been an easy task: Bakker (1993:239), for example, has claimed that δέ's function in the μέν ... δέ construction is substantially different from that which it has elsewhere, an argument which has been openly rejected by Zakowski (2017:167). Allan (2017:282) has suggested that the construction was functionally specialized for what is called 'contrastive comparison' in the typological literature. A prototypical example of this can be found in (1), where there are two independent SoAs, each with their own subjects (τὸ ὠφέλιμον and τὸ βλαβερὸν); the predicates of these SoAs form lexical oppositions (καλὸν vs. αἰσχρόν); and the two predicates are atemporal and interchangeable.

... τὸ μέν ὠφέλιμον καλόν, τὸ δὲ βλαβερὸν αἰσχρόν (Pl., *Resp.* 457b)

"the helpful is good, and the harmful is bad."

For this talk I concentrate on the use of μέν ... δέ in Post-classical non-literary texts (papyri in particular), analyzing whether the construction also/still meets the criteria for contrastive comparison. Despite the general decline of Classical particles, the μέν ... δέ construction can be found quite frequently in non-literary texts, where, according to Lee (1985:6), it acted as 'a prestige feature associated with formal and educated Greek'. I intend to show that during this time, the construction was semantically and syntactically extended beyond its prototypical contexts: so, for example, μέν ... δέ attaches to other elements than nominative subjects, and the predicates are not always lexical opposites. Similar, non-prototypical examples can already be found during the Classical period, but for Post-classical Greek one could wonder in many cases whether we are still dealing with contrastive comparison: μέν ... δέ can be used for example, with topics that are not contrastive; with information that is rhematic, rather than thematic; and with SoAs that are not atemporal and interchangeable. In some cases, the double contrast structure (that is, with a double topic and a double focus) is completely abandoned, and μέν ... δέ connects clauses/sentences that are in a broad sense related, or even nouns/noun phrases, as in (2).

ἐὰν δὲ μὴ ἀποδῶσι καθὰ γέγραπ[ται ἐκ]τισάτω[σ]αν [οἱ] δεδανεισμένοι Τρυφαί[ν]η
τ[ὸ] μέ[ν] κ[ε]φάλαιον μεθ' ἡ]μιολίας τοῦ δὲ ὑπερπρεσόντος χρόνου τ[οῦ]ς
καθήκοντ[ας τόκου]ς (SB XIV 11491, ll. 16-19 (59 AD))

"If they do not give back as it is written the debtors have to pay back to Tryphaina the main sum with half of it added, as well as the interests for the in between time."

Another relevant development is the frequent use of μέν *solitarium*: when it comes to the Classical period, such occurrences are typically interpreted in terms of a more archaic, emphatic value of μέν, or of an elliptical contrast (cf. Denniston 1954:359-368). For the Post-classical period, it has been argued that all occurrences of μέν *solitarium* should be viewed as ‘prospective’ (that is, elliptically contrastive) (see e.g. Runge 2016:76), but the papyrological corpus contains clear evidence of the fact that this is not always the case.

References

- Allan, R.J. 2017. Ancient Greek adversative particles in contrast. In: C. Denizot & O. Spevak (eds.), *Pragmatic approaches to Latin and Ancient Greek*, 273-301. Amsterdam & Philadelphia: John Benjamins.
- Bakker, E.J. 1993. Boundaries, topics and structure of discourse: an investigation of the Ancient Greek particle δέ. *Studies in Language* 17, 275-311.
- Denniston, J.D. 1954². *The Greek particles*. Oxford.
- Lambert, F. 2003. Le « balancement » en men/de en grec classique. In: B. Combettes, C. Schnedecker & A. Theissen (eds.), *Ordre et distinction dans la langue et le discours: Actes du colloque international de Metz (18, 19, 20 mars 1999)*, 269-285. Paris.
- Lee, J.A.L. 1985. Some features of the speech of Jesus in Mark’s Gospel. *Novum Testamentum* 27, 1-26.
- Zakowski, S. 2017. *From coherence to procedures. A relevance-theoretic approach to the discourse markers δέ, γάρ, and οὐν in Basil the Great’s Hexaemeron, Gregory of Nazianzus’s Invectives Against Julian and Heliodorus’s Aethiopica*. PhD Thesis, Ghent University.

Albo C. Cassio: Homeric Recitations and Hellenistic Spoken Language: Gleanings from Papyri, Scholia, and Ancient Grammarians.

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When the two Homeric poems 'crystallized' (late 8th./7th c. BC) in a shape more or less similar to the one familiar to us from papyri and medieval manuscripts, their linguistic form was a strange conglomerate made up of disparate components: the remnants of an extremely old *état de langue* (possibly pre-Mycenaean: West 1988), prestigious Aeolic features, and contemporary Ionic (not exclusively East Ionic), the final, and crucial, dialect layer (Hackstein 2010).

Later on, in the long march from those chronological levels to Byzantine times, the narrative sequence was never modified, but phonology, morphology and (to a lesser extent) vocabulary tended to be modernized when it was possible without spoiling the metre, with the result that a good Homeric apparatus is full of Hellenistic or even 'late' variants found in medieval mss. and papyri.

This subject is obviously fraught with difficulties and 'traps' of all kinds. For instance, Ionic was highly influential in shaping the *koine*, and many features that we regard as Hellenistic may well have belonged to an old Ionic stratum; this means that features that are usually confined to a Homeric apparatus as allegedly 'late', may in fact have been old variants of what we accept in the text as 'early'.

Besides, some of the 'early' forms found in modern editions are nothing but learned reconstructions by ancient and/or modern scholars, the 'late' forms being transmitted without variants and certainly authentic. For instance, *Od.* 3. 427 εἴπατε δ' εἴσω (imper.) is found in all mss. and was accepted by Aristophanes of Byzantium; yet the (virtually never attested) 'earlier' imper. εἴπετε was recommended by Erotianus and printed by West 2017. And some embarrassingly 'modern' forms are ineradicable from the Homeric text, like e. g. σταίησαν at *Il.* 17. 733: "wenig Formen des überlieferten Homertextes fallen so völlig aus der alten Sprache heraus" (Wackernagel 1916:62), yet no conjecture has ever carried conviction.

My contribution will try to assess the relative merits of some Homeric variants that look much more recent than those accepted in most modern editions. Some instances: opt. pres. κάθοιτο < κάθομαι (ancient κάθημαι); aorist imper. εἶπον (anc. εἶπέ); οἶδας

and οἴσθας (anc. οἴσθα); μέντων (anc. μέντοι); τίννυμαι (Hellenistic but probably older than we suspect, see Cassio 1991-93 and West 1998: XXXV f.), ἐκαθέζετο (anc. καθέζετο); quasi-adverbial κρείσσω; unobvious στομαλίμνη (Z 4); 'epische Ausstaffierungen' of current words (ἀνδραπόδεσσι). Especially intriguing is the mention in scholia and ancient grammarians of fem. nouns in the nomin. plur. pronounced with 'recent Attic' accents, e. g. συνθέσσαι instead of regular συνθεσῆσαι (cf. αἴτια instead of αἰτία, influence of adjectival declension, Scheller 1951: 139), which must have originated from Hellenistic recitations of Homer.

References

- E. Bakker (ed.), *A Companion to the Ancient Greek Language*, Oxford 2010.
- A. C. Cassio, La più antica iscrizione greca di Cuma e τίν(ν)υμαι in Omero, "Die Sprache" 35, 1991-93, pp. 187 - 207.
- O. Hackstein, The Greek of Epic, in Bakker 2010: 401 - 423.
- D. Holton et alii (eds.), *The Cambridge Grammar of Medieval and Early Modern Greek*, Cambridge 2019.
- A. N. Jannaris, *Historical Greek Grammar*, London 1897.
- M. Scheller, *Die Oxytonierung der griechischen Substantiva auf -iā*, Dissertat. Zürich 1951.
- J. Wackernagel, *Sprachliche Untersuchungen zu Homer*, Göttingen 1916.
- M. L. West, *Homerus, Ilias*, I- XII, Stuttgartiae et Lipsiae 1998, XII - XXIV Monachii et Lipsiae 2000.
- M. L. West, The Rise of Greek Epic, "JHS" 108, 1988, 151-172.
- M. L. West, *Homerus, Odyssea*, Berlin - Boston 2017.
- Stephanie West, *The Ptolemaic Papyri of Homer*, Köln / Opladen 1967.
- A. Willi, *Origins of the Greek Verb*, Cambridge 2018.

Enrico Cerroni:

Some Remarks on Semantic Shifts in Postclassical Greek

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The diachronic semantics of post-classical Greek offers a dense panorama of problems, due to the difficulty of isolating cases of original polysemy from secondary developments, especially when these are generators of completely new meanings, replacing the previous ones.

Among the most productive lines of semantic change, especially for a language characterized by a conspicuous psychological lexicon and a philosophical vocation such as Greek, there is the process of metaphorization of terms originally linked to a material domain (“meanings based in the external described situation > meanings based in the internal – evaluative / perceptual / cognitive – described situation” according to Traugott 1989).

In this study, I present two examples of the application of *subjectification theory* to Post-classical Greek. The first is the shift that is observed for ἐντρέπω in the medium: from a concrete meaning, it is allowed to document in the Hellenistic Greek a value 'to respect', 'to have shame', at the base of the use in modern Greek in which ντρέπομαι means 'to be ashamed'.

The second is the use of ζῆλος, a Hesiodic, non-Homeric term, which from an original meaning 'emulation', 'commitment' gradually gained sentimental value. Tragedians attest to the availability of ζῆλος used in a sense that foreshadows modern jealousy, albeit with many caveats. The fundamental problem remains defining in what ways human passions can be said to be universal and how applicable modern concepts are to the literature of antiquity. In the case of jealousy, Giulia Sissa (2015) rebukes David Konstan (2003) as too categorical in claiming that such a sentiment did not exist in the experience of the Greeks, in part because the absence of a precise *signifier* does not entail the absence of a corresponding *signified*.

Post-classical Greek offers an even more articulated picture, not devoid of novelty, such as the success of the compound word ζηλοτυπία, specialized in a sentimental accepted meaning, in which it prevails over the use of ζῆλος. This polarization allows both words to reach modern Greek, not without a new development, from which I would like to reconstruct the most ancient history: the formation of ζήλια.

References

- Ben-Ze'ev, Aaron (2003), Aristotle on emotions towards the fortune of others, in: David Konstan / Keith Rutter (eds.), *Envy, Spite and Jealousy: The Rivalrous Emotions in Ancient Greece*, Edinburgh: University Press, 99-121.
- Blank, Andreas (1999), Why do new meanings occur? A cognitive typology of the motivations for lexical Semantic change, in Blank, Andreas; Koch, Peter, *Historical Semantics and Cognition*, Berlin/New York: Mouton de Gruyter, 61–90.
- Cairns, Douglas L. (1993), *Aidôs: The Psychology and Ethics of Honor and Shame in Ancient Greek Literature*, Oxford: Oxford University Press.

- Cairns, Douglas L. (2003), The politics of envy: envy and equality in ancient Greece, in: David Konstan / Keith Rutter (eds.), *Envy, Spite and Jealousy: The Rivalrous Emotions in Ancient Greece*, Edinburgh: University Press, 235-252.
- Chadwick, John (1996), *Lexicographica Graeca. Contributions to the Lexicography of Ancient Greece*, Oxford: Clarendon.
- Fisher, Nick / van Wees, Hans (2011), *Competition in the Ancient World*, Swansea: Classical Press of Wales.
- Geeraerts, Dirk (1997), *Diachronic prototype Semantics: a Contribution to historical Lexicology*, Oxford: Clarendon.
- Gill, Christopher / Postlethwaite, Norman / Seaford, Richard (1998), *Reciprocity in Ancient Greece*, Oxford: University Press.
- Goldhill, Simon (2003), Tragic emotions: the pettiness of envy and the politics of pitilessness, in: David Konstan / Keith Rutter (eds.), *Envy, Spite and Jealousy: The Rivalrous Emotions in Ancient Greece*, Edinburgh: University Press, 165-180.
- Hermann, F. G. (2003), φθόνος in the word of Plato's Timaeus, in: David Konstan / Keith Rutter (eds.), *Envy, Spite and Jealousy: The Rivalrous Emotions in Ancient Greece*, Edinburgh: University Press, 53-83.
- Konstan, David (2003), Before Jealousy, in: David Konstan / Keith Rutter (eds.), *Envy, Spite and Jealousy: The Rivalrous Emotions in Ancient Greece*, Edinburgh: University Press, 7-27.
- Knox, Bernard (1964), *The Heroic Temper: Studies in Sophoclean Tragedy*, Berkeley, Los Angeles: University of California Press / London: Cambridge University Press.
- Milobensky, Ernst (1964), *Der Neid in der griechischen Philosophie*, Wiesbaden.
- Most, Glenn (2003), Epinician envies, in: David Konstan / Keith Rutter (eds.), *Envy, Spite and Jealousy: The Rivalrous Emotions in Ancient Greece*, Edinburgh: University Press, 123-142.
- Goldie, Peter (2002), *The Emotions: A Philosophical Analysis*, Oxford: University Press.
- Sissa, Giulia (2015), *La gelosia. Una passione inconfessabile*, Roma-Bari: Laterza (ed. or. Paris 2015).
- Walcot, Peter (1978), *Envy and the Greeks*, Warminster: Aris and Philips.

Gregory Crane: Post-Classical Greek in a Digital Age

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My paper seeks to articulate the following propositions and questions. **First**, the question is not what digital humanities can or cannot contribute. The question is how we analyze ancient Greek and then publish the results of our analyses in a digital age. Mainstream scholarship has taken only minimal and retrospective use of digital technologies, exploiting automated concordances and lexica and print-based PDF files as its medium of communication. **Second**, the shift to a digital ecosystem may well allow specialists in ancient Greek to transform their understanding of the language but of far greater importance would be an increase in the potential impact of this new work beyond immediate specialist networks. Such an increase can include traditional audiences: introductory students of Greek, specialists in fields such as Political Philosophy, specialists on Greek culture who are not focused on linguistic research, and specialists in Religion or History who exploit Greek sources but are not professional philologists. Audiences include as well members of the general public who may wish to push beyond modern language translations with a new class of editions that includes a dense network of machine actionable annotations that lead from a modern translation to the original source text and can provide far more depth of understanding for the non-specialist than has been possible in print. Finally, audiences include students, professional researchers and members of the general public in societies with little or no print infrastructure for ancient Greek. Such societies include those with geographical and intellectual ties to Greco-Roman culture (such as the Arabic and Persian speaking worlds) and those who view Greek as only one prominent historical language from the human cultural heritage as a whole (such as audiences from China or India). **Third**, modern (and, of necessity, openly licensed) digital resources for the study of Ancient Greek are particularly well developed, with not only machine readable versions of texts, lexica and grammars available but new, born-digital resources, such as more than one million words of morpho-syntactically analyzed Greek. While this initial work may overrepresent Classical Greek, post-Classical Greek can only be understood in reference to Classical. **Fourth**, emerging philological research integrates contributions not only by both humans and automated systems (both deterministic and probabilistic). A new culture of discourse and intellectual production is taking shape. **Fifth**, the questions that we pose about the digital shift, the answers that we produce and the actions that we in fact take will determine whether the study of ancient Greek declines further, maintains an equilibrium, or flourishes.

Giuseppina di Bartolo: Paratactical constructions in the Greek documentary papyri: the case of μή ἵνα

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In this paper, I aim at investigating the function of the particle ἵνα in paratactical constructions from the 1st cent. AD onwards, in other words a new function with respect to the Greek of the Classical period in which the particle almost only occurs as subordinating particle to introduce purpose clauses. An analysis of these constructions allows us to investigate some significant linguistic phenomena on the morpho-syntactic level as well as on the pragmatic level, to better understand the diachronic development of Greek and to explore the interface between syntax and pragmatic in everyday language.

By means of examples from Greek documentary papyri of the Roman and Byzantine periods (1st – 8th cent. AD), I will show that ἵνα with the subjunctive is found, already from the 1st cent AD, to express an exhortation or a prohibition with the *classic* syntactic function of the hortatory and prohibitive subjunctive (i.e. subjunctive in main clause), foreshadowing the development of ἵνα as subjunctive marker (i.e. later να). Moreover, ἵνα-clauses occur as alternative constructions to infinitive or imperative constructions, in other words they occur pragmatically connected to *verba rogandi* with a directive function (e.g. ἐρωτῶ and παρακαλῶ) in order to express the request.

In the second part of my paper, I will specifically focus on the pattern μή ἵνα, showing how the occurrence of the negation in this position (i.e. not embedded in the ἵνα-clause) on the one hand confirms the usage of ἵνα as modal particle (i.e. as subjunctive marker), on the other hand makes more prominent the content of the negative ἵνα-clause.

Finally, I will use this case to make some more general methodological observations on the linguistic analysis of the sources of the Hellenistic, Roman and Byzantine period with respect to some of the research questions which this conference aims at addressing.

References

- van Emde Boas, E. - Rijksbaron, A. - Huitink, L. - de Bakker, M. (2019). *Cambridge grammar of classical Greek*. Cambridge: Cambridge University Press.
- Holton, D. - Horrocks, G. - Janssen, M. - Lendari, T. - Manolassou, I. - Toufexis, N. (2019). *The Cambridge Grammar of Medieval and Early Modern Greek*, vol. IV. Cambridge: Cambridge University Press.
- Horrocks, G. (2010²). *Greek. A history of the language and of its speakers*. Chichester: Wiley - Blackwell.
- Kalén, T. (1941). *Selbständige Finalsätze und imperativische Infinitive im Griechischen*. Uppsala: Almqvist & Wicksel.
- Leiwo, M. (2010). "Imperatives and Other Directives" in *The Language of the Papyri*, ed. by T.V. Evans & D.D. Obbink. Oxford: Oxford University Press. 97-119.
- Risselada, R. (1993). *Imperatives and other Directive Expressions in Latin*. Amsterdam: Gieben.

Eleanor Dickey: Why layout matters

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Modern editions typically aim to reproduce only the words of ancient texts; the layout of our editions, like their word division, accentuation, capitalization and punctuation, follows modern conventions, usually without even mentioning the layout in the manuscripts or papyri from which the words come. There are good reasons for this practice: modern editions need to optimize reading efficiency for modern Classicists, and anyway it is often doubtful whether the layout in our manuscripts goes back to antiquity. Nevertheless, it is problematic because it makes the modern reader's experience of ancient texts very different from the experience their authors envisioned. Moreover, the all-pervasiveness of our silent suppression of information about original layouts means that modern scholars are largely cut off from the evidence we need in order to understand what the different ancient layouts were and how they functioned: usually we simply have no idea what experience an ancient author would have been trying to produce through layout. But all that could be changed, since a growing body of evidence exists in the form of papyri, whose layouts are always ancient (though not, of course, always those of the texts' original authors) and which in turn allow us to evaluate the layouts found in medieval manuscripts in a way that was not formerly possible. This talk will consider a number of medieval manuscripts of post-classical Greek texts whose layouts can be demonstrated to contain features going back to antiquity, and groups of such manuscripts and papyri in which attention to layout can reveal important information about other matters. These will demonstrate that it is really worth our while to try to understand what a text's original layout was, and point out opportunities for further discoveries in this area.

José Luis García Ramón:

Local dialects vs Koiné and literary patterns in Post Classical Greek: the formulaic phraseology

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The coexistence of local dialects and the supradialectal Attic Koiné (and non-local Koiná) in the Hellenistic period may be stated to different degrees at the different levels of grammar. It is not easy to determine which phenomena represent the authentic dialect and which phenomena are rather borrowings from a supradialectal variety of Koiné. This especially applies to the lexicon, syntax and phraseological patterns in official documents: even if they are consequently written in dialect, plenty of apparent dialectal features turn out to be simply dialect-colored variants of supradialectal patterns, and even literary phraseology once one translates them into Attic. Anyway, if a term or formula occurs only in one particular region, either in dialect or in Koiné or in both, it is not always clear whether it is a dialectal formula that has been translated into Koiné or vice versa

The present contribution will focus on a set of lexical and phraseological patterns which illustrate the coexistence of dialect and supradialectal Koiná in honorary inscriptions from the time between 3rd and 1st centuries BC in some regions of Central Greek and in *Asyilia* documents from Cos (a. 242 BC) written in different dialects.

Georgios K. Giannakis:
Dialect convergence and linguistic change: The Dodona
tablets corpus and its significance for the study of the
history of the Greek language

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The Dodona corpus consists of over 4200 tablets of mostly short and to a large extent fragmentary texts that represent the inquiries by visitors and other inquirers (individuals, cities or groups of people) to the oracle of Dodona who seek an answer to a large variety of issues, ranging from personal and private concerns to family affairs and to communal issues. These texts date between the end of the 6th century and the 3rd century BC, perhaps even to the first third of the 2nd century BC. This is a unique corpus that sheds light, in addition to many aspects of life in ancient Greece, also on many linguistic varieties of the Greek language of that period, i.e. of Classical and Post-Classical eras, in particular of the process of dialect convergence that gradually was taking place in the linguistic map of Greece. Our focus will be on a group of tablets written in mixed dialect, particularly in Attic koine and some other dialect, seeking to see the way or ways in which the language of the inquiries slowly but steadily and progressively shifts from a 'pure' dialect to a mixed code and eventually to koine. It is also argued that in the case of the Dodona corpus we may observe similar processes and tendencies also observed in many other cases of language convergence and formation of common linguistic mediums throughout history, not only in antiquity. Despite the peculiar nature of this textual corpus, the developments seen in the language here could also clarify the ways, means and reasons by which the gradual prevalence of koine in other areas of the Greek world took place during the Post-Classical period where similar conditions of dialect and/or language interactions appear.

Chiara Gianollo:

Negation and word order in New Testament Greek

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This paper investigates the changes between the system of negation in Early and Classical Greek and the system witnessed by the New Testament and comparable texts. I focus on forms of ‘objective’ negation (the system of οὐ(κ) and οὐδείς).

One prominent feature of post-Homeric Greek is the presence of Negative Concord (Willmott 2013, Horrocks 2014, Muchnová 2016): multiple negative expressions build an interpretive chain and deliver a single-negation interpretation. This characteristic is continued in New Testament Greek, which, like Classical Greek, is a non-strict Negative Concord language: negatively marked indefinites make a sentence negative by themselves if they precede the finite verb; they have to be accompanied by the negative marker (the particle οὐ(κ)) if they follow the finite verb.

Although the non-strict Negative Concord system remains stable in New Testament Greek, general changes in word order at the level of the clause, and in particular the rise in frequency of VSO and SVO orders (Kirk 2012, Celano 2014, Lavidas 2015) lead to the hypothesis that the various configurations in which Negative Concord obtains may change in frequency as well. More specifically, we expect an increase in configurations where the pre-verbal negative marker co-occurs with a negatively marked indefinite that realizes a post-verbal argument, as in (1):

(1) Mark 14.60

καὶ ἀναστὰς ὁ ἀρχιερεὺς εἰς μέσον ἐπηρώτησεν τὸν Ἰησοῦν λέγων **Οὐκ** ἀποκρίνη **οὐδέν;**

Then the high priest stood up before them and asked Jesus, “Are you not going to answer?”

This, in turn, should be accompanied by a concurring decrease of configurations where the negatively marked indefinite is the only element marking negation in the clause, since pre-verbal arguments become in general less frequent.

However, it may also be the case that negatively marked indefinites retain a pre-verbal position more steadily than other arguments: many languages show that indefinites that express negation in a clause are more conservative in their distribution and retain OV orders even when the basic order becomes VO (cf. Gianollo 2018: chapter 3 for Latin and a comparison with other languages).

Potentially, changes involving the frequency of structures where the negative marker and the indefinite co-occur have important diachronic consequences: an increase in the employ of post-verbal indefinites in negative structures may create the conditions for competition with plain indefinites or with Negative Polarity Items, that is, indefinites that are not sufficient by themselves to negate a clause but need a semantically negative environment in order to be felicitous. As

Horrocks (2014) has argued, the history of Medieval Greek shows that the new indefinite *καείς* originally has an NPI distribution. It is important for our understanding of the diachrony of Greek to check whether New Testament Greek may have represented a step towards creating favorable conditions for the substitution process affecting indefinite series.

In this paper, I investigate to what extent these hypotheses are substantiated by means of a corpus analysis over portions of the New Testament. Besides comparing the results with those obtained for Classical Greek in Gianollo (2019), I extend the study to portions of the Septuagint and samples of non-Biblical Koiné Greek.

References

- Celano, Giuseppe. 2014. A computational study on preverbal and postverbal accusative object nouns and pronouns in Ancient Greek. *The Prague Bulletin of Mathematical Linguistics* 101. 97–110.
- Gianollo, Chiara. 2018. *Indefinites between Latin and Romance*. Oxford: Oxford University Press.
- Gianollo, Chiara. 2019. *Indefinites and negation in Ancient Greek*. Ms. submitted to the *Journal of Historical Syntax*. Università di Bologna.
- Horrocks, Geoffrey. 2014. *Ouk ísmen oudén: Negative Concord and negative polarity in the history of Greek*. *Journal of Greek Linguistics* 14(1). 43–83.
- Kirk, Allison. 2012. *Word order and information structure in New Testament Greek*: University of Leiden, LOT Dissertation Series 311 dissertation.
- Lavidas, Nikolaos. 2015. How does a basic word order become ungrammatical? SOV from Classical to Koine Greek. *Studies in Greek Linguistics* 35, 323-335.
- Muchnová, Dagmar. 2016. Negation in Ancient Greek: a typological approach. *Graeco-Latina Brunensia* 21(2). 183–200.
- Willmott, Jo C. 2013. Negation in the history of Greek. In David Willis, Christopher Lucas & Anne Breitbarth (eds.), *The history of negation in the languages of Europe and the Mediterranean*, vol. 1: Case studies, 299–340. Oxford: Oxford University Press.

Geoffrey Horrocks: In the Mood? Some Thoughts on Post-Classical Literary Greek

Geoffrey Horrocks, Cambridge

Most linguistic work on post-classical Greek has focused on developments in sub-elite varieties that are closer to the contemporary vernacular and testify more directly to change in the language. By contrast, post-classical literary Greek is widely taken to be a variety of little interest to historical linguists, being a latter-day instantiation of the supposedly 'ideal' form of Greek represented by Attic writers of the classical era.

But the Atticists were not native speakers of ancient Attic and fell back on secondary resources. In some cases these were sufficiently explicit to guarantee a high level of verisimilitude, particularly for items that could be comprehensively listed, like morphological paradigms or lexical items. But abstract phenomena of syntax and semantics were much more problematical: these could only ever be *exemplified*, allowing for 'creative' usages that a 5th-century Athenian would intuitively have rejected.

Of particular interest in this connection are paradigms which, while linked to clear functions in classical Greek, had subsequently dropped out of use. Such forms were still required in high-register literary compositions, but how did the Atticists proceed without access to native-speaker understanding? To investigate the issues, this talk will analyse the uses of the optative in selected historiography of the Roman era.

The principal conclusion is that the Atticists, far from gradually losing their grip and making 'mistakes', relied on their intuitions as native speakers of *contemporary* Greek to provide a stable syntactic-semantic framework for their own compositions: dead or dying paradigms were then recycled systematically as optional 'literary' realisations of contemporary abstract categories. Atticising language is not, therefore, entirely artificial and unchanging (despite the fixity of its superficial realisations), but a semi-living register whose rules of syntax and interpretation were steadily reshaped through interference with more natural varieties.

References

- Cristofaro, S. 1996. *Aspetti Sintattici e Semantici delle Frasi Complete in Greco Antico*. Florence.
- Goodwin, W.W. 1889. *Syntax of the Moods and Tenses of the Greek Verb*. London: Macmillan.
- Kim, L. 2010. 'The literary heritage as language: Atticism and the Second Sophistic'. In E.J. Bakker (ed.) *A Companion to the Ancient Greek Language*. Chichester and Malden Mass.:Wiley-Blackwell. 468-82.
- Méndez Dosuna, J.V. 1999. 'La value de l'optatif oblique grec: un regard fonctionnel-typologique'. In: B. Jacquinod (ed.). 1999. *Les complétives en grec ancien: Actes du colloque international de Saint-Etienne (3-5 septembre 1998)*. Saint-Etienne. 331-352.
- Moulton, J.H, and Turner N. 1963. *A Grammar of New Testament Greek, Vol. III Syntax*. Edinburgh: T & T. Clark. (Repr.1993). 118-133.

- Rijksbaron, A. 2002. *The Syntax and Semantics of the Verb in Classical Greek: an Introduction*, 3rd edn. Amsterdam: Gieben. (Repr. 2006. University of Chicago Press).
- Van Emde Boas, E, A Rijksbaron, L Huitink, M de Bakker 2019. *The Cambridge Grammar of Classical Greek*. Cambridge: CUP. 438-446.
- Wakker, G.C. 1994. *Conditions and Conditionals: an Investigation of Ancient Greek*. Amsterdam: Gieben.

Brian D. Joseph:
How “post” is Post-Classical? Thoughts on the augment
throughout the history of Greek

The Ohio State University

The call for papers for this conference explicitly asks whether the label “Post-Classical” appropriately defines a specific stage of Greek. Addressing this issue, head-on, I discuss here the history of the augment in Greek, from its earliest manifestations in Mycenaean Greek up through Modern Greek, including present-day regional varieties, paying attention not only to the generalizations as to its form and function but also to various oddities it displays, such as multiple occurrence, unusual positioning, and absence when it might otherwise be expected. This examination of the augment across all of Greek demonstrates that even though there have been changes in its form and distribution, there is also considerable stability over millennia. As a result, at least as far as the augment is concerned, there is no meaningful use of the term “Post-Classical” except perhaps for purely chronological purposes.

Daniel Kölligan:

Hellenistic Greek in epic disguise: Apollonius of Rhodes and the Homeric language

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The *Argonautica* of Apollonius of Rhodes (3rd c. BC) is the first completely preserved epos after the Homeric poems. Apollonius was a *poeta doctus*, who studied the Homeric text in every detail, his language use is deeply entrenched in epic diction, reusing especially *rara* and *rarissima* attested in the *Iliad* and *Odyssey* in order to show his erudition, and avoiding the trivial. Yet, written roughly five centuries after the works of the admired ποιητής, the *Argonautics* are situated in a different linguistic environment, and Hellenistic Greek has a substantial influence on his version of the epic language both overtly, visible e.g. in post-Homeric words such as αἴπος ‚hight‘, and covertly, e.g. in the unhomeric use of pronominal forms in -θεν as possessive genitives, which may be connected with the gradual functional reduction of the Greek genitive as a whole to a pure adnominal case. The paper will discuss these and other instances of “unhomeric Homerisms” in the *Argonautica*.

References

- Bolling G., “The Participle in Apollonius Rhodius”, *Studies in honor of Basil L. Gildersleeve*, Baltimore, Johns Hopkins Press, 1901, pp. 449–470
- Fränkel H., *Noten zu den Argonautika des Apollonios*, München, Beck, 1968.
- Giangrande G., “Aspects of Apollonius Rhodius’ language”, *PLLS - Papers of the Liverpool Latin Seminar* 1, 1976, pp. 271–291.
- Giangrande G., *Zu Sprachgebrauch, Technik und Text des Apollonius Rhodios*, Amsterdam, Hakkert, 1973.
- Keil D., *Lexikalische Raritäten im Homer: ihre Bedeutung für den Prozeß der Literarisierung des griechischen Epos*, Trier, Wiss. Verlag Trier, 1998.
- Kyriaku P., *Homeric hapax legomena in the Argonautica of Apollonius Rhodius: a literary study*, Stuttgart, Steiner, 1995.
- Linsenbarth O., *De Apollonii Rhodii casuum syntaxi comparato usu Homeric*, Lipsiae, Typis R. Voigtlaenderi, 1887.
- Marxer G., *Die Sprache des Apollonius Rhodius in ihren Beziehungen zu Homer*, Zürich, Leemann, 1935.
- Rzach A., *Grammatische Studien zu Apollonios Rhodios*, Wien, 1878.
- Vasilaros G., *Der Gebrauch des Genetivus absolutus bei Apollonius Rhodius im Verhältnis zu Homer*, Athen, Nationale und Capodistrianische Universität, 1993.

Martti Leiwo:

Greek varieties and language contact in Roman Egypt

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My starting point is the fact that Greek was the language of communication in the Roman army in Egypt. The military forts had several L2 Greek speakers of various ethnicity (Fournet 2003). The situation in Roman military forts favoured an expansion of various contact varieties of Greek. The data from Egypt show that L2 speakers had an effect on Greek at all grammatical levels, strengthening existing and ongoing endogenous changes by creating substantial variation in phonology as well as in morphosyntax and even phraseology. Some attested variants later became grammaticalised in Modern Greek (MG) standard vernacular (*dimotikí*). Thus, important grammatical patterns that characterise MG can be traced back to the first two centuries CE, some of them even earlier (cf. Horrocks 2010). I suggest that the situation in the 2nd century CE can be seen as a period of linguistic resilience, which had created different phases of varieties at the same time. Bi- and multilingualism as well as the existing Greek diglossia between high and low varieties were conspicuous in the 2nd century CE, and all these are common ways of maintaining linguistic diversity and even resilience in a society (Hudson 2019:22–23; cf. also Katsikadeli 2018: 21).

An important social detail is also the fact that the 2nd century was peaceful, as Rome did not have any serious enemies. It was also socially and economically a period when active trade connections with multilingual speech communities were fundamental to the Empire's well-being.

According to Aboh and Ansaldo (2007: 44) "language can be seen as a population of linguistic features and grammar as a combination of idiolects: communication thus entails interbreeding of different idiolects." With this definition in mind, the sociolinguistic situation in these forts seem to have favoured an expansion of a Greek Contact Variety, or even Multicultural Egyptian Greek in the sense of Multicultural Varieties in present day European cities (cf. Trudgill 2016; Cheshire et al. 2011, cf. also Kerswill and Trudgill 2005). According to Mufwene the contact of different varieties produces a union of linguistic features of all the variables in use in a given speech community creating a feature pool in the mind of the speakers (Mufwene 2001: 30). It seems plausible that the Eastern Desert – perhaps even more than other parts of Egypt (Leiwo 2018) – could well meet the conditions of a feature pool and letter writers made their choices from the L1 and L2 (standard and non-standard) Greek varieties present in their contact environment. In the data we can observe almost all levels of Greek varieties from High L1 to Low L2 Greek with patterns that emerge from multicausal variation at the same time.

References

- Aboh, Enoch O., Ansaldo, Umberto, 2007. The role of typology in language creation: a descriptive take. In: Ansaldo, Umberto, Matthews, Stephen, Lim, Lisa (Eds.), *Deconstructing Creole*. Amsterdam and Philadelphia: John Benjamins, 39–66.
- Cheshire, Jenny, Kerswill, Paul, Fox, Sue and Torgersen, Eivind 2011. "Contact, the feature pool and the speech community: The emergence of Multicultural London English." *Journal of Sociolinguistics* 15/2: 151–196.

- Hudson, Mark J. 2019. "Socio-ecological Resilience and Language Dynamics: An Adaptive Cycle Model of Long-term Language Change." *Journal of Language Evolution*. Oxford, 19–27.
- Katsikadeli, Christina 2018. "Language Contact and Contact-induced Change in the Light of the (digital) Lexicography of Greek Loanwords in the Non-Indo-European Languages of the Greco-Roman Worlds (Coptic, Hebrew/Aramaic, Syriac)." In Giannakis, Georgios, Charalambakis, Christoforos, Montanari, Franco and Rengalos, Antonios (eds.), *Studies in Greek Lexicography*. Trends in Classics-Supp.Vol. 72. De Gruyter Mouton.
- Kerswill, Paul and Trudgill, Peter 2005. "The birth of new dialects." In Peter Auer; Frans Hinskens; Paul Kerswill (eds.) *Dialect change: Convergence and divergence in European languages*. Cambridge : Cambridge University Press, 196-220.
- Leiwo, Martti. 2018. "Multilingual military forts in Roman Egypt". *Lingue Antiche e Moderne*, vol. 7, (<http://all.uniud.it/lam>).
- Mufwene, Salikoko 2001. *The Ecology of Language Evolution*. Cambridge: Cambridge University Press.
- Operstein, Natalie 2015. "Contact-genetic linguistics: toward a contact-based theory of language change." *Language Sciences* 48, 1–15. Elsevier.
- Trudgill, Peter 2016. "ELF and New-Dialect Formation". In Marie-Luise Pitzl and Ruth Osimk-Teasdale (eds.) *English as a lingua franca: perspectives and prospects*. Berlin: Mouton de Gruyter, 115–122.
- Trudgill, Peter 2011. *Sociolinguistic Typology: Social Determinants of Linguistic Complexity*. Oxford: Oxford University Press

Felicia Logozzo & Liana Tronci: Pseudo-coordination in Hellenistic Greek

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As Ross (2016: 209) states, pseudo-coordination refers “to the use of the coordinator ‘and’ in constructions that behave unlike typical coordination”, for instance English *go and get* or *try and do*. The verbs implied belong to lexically closed classes (e.g. *go*, *take*, *try*, etc.). A crucial syntactic difference from coordinating structures concerns the unbalanced extraction which is only allowed in pseudo-coordination, e.g. *Here’s the whisky which I went (to the store) and bought* vs **Here’s the whisky which I went to the store and Mike bought* (cf. Ross 1967: 167ff. from which examples are taken). Pseudo-coordinating complex predications have some aspectual values, which are variable from one language to another, and may correspond to verbal periphrases formed by the verb ‘*go/come*’ + infinitive, e.g. Italian *andare a prendere*, *provare a fare*, French *aller faire*, etc. (cf. Coseriu 1977 for examples from many languages).

In Modern Greek, pseudo-coordination is a productive strategy (Bonnot & Vassilaki 2018), whereas in Ancient Greek it was not used. Some preliminary research (Logozzo & Tronci, submitted) shows that verbal predications corresponding to English *go and get* and Italian *andare a prendere* are expressed in Biblical Greek (both Septuagint and New Testament) by a third strategy, that is the participle of *ἔρχομαι* (mostly inflected in the aorist) + the finite verb, which are obligatorily contiguous, e.g. *ἔλθὼν κατώκησεν* ‘he came and lived’. Evidence of this is given by Latin versions of the Bible, in which the *ἔλθὼν κατώκησεν* type is translated by pseudo-coordination, e.g. *venit et habitavit*.

The aim of this paper is to investigate: (a) whether the participial strategy occurs in other texts; (b) when pseudo-coordination arose and spread.

References

- Bonnot, Ch. & S. Vassilaki 2018, Syntagmes verbaux coordonnés désignant un seul procès en russe et en grec moderne, paper presented to TOPE Doctoral Seminar, INALCO, 4 May 2018.
- Coseriu, E. 1977 [1966], ‘Tomo y me voy’. Un problema de sintaxis comparada europea, in Id., *Estudios de lingüística románica*, Madrid, Gredos: 79-104 = *Tomo y me voy; ein Problem vergleichender europäischer Syntax*, «*Vox Romanica*» 25: 13-55.
- Logozzo, F. & L. Tronci, submitted, Nota sulle costruzioni “a participio pleonastico” in greco antico: il tipo *ἔλθὼν κατώκησεν*.
- Ross, D. 2016, Between coordination and subordination: typological, structural and diachronic perspectives on pseudocoordination, in F. Pratas, S. Pereira, C. Pinto (eds.), *Coordination and subordination: form and meaning*, Newcastle upon Tyne, Cambridge Scholars Publishing, 209-243.
- Ross, J. R. 1967, *Constraints on Variables in Syntax*, PhD Dissertation, Massachusetts Institute of Technology (Cambridge).

Emmanuel Roumanis: Mixing up the old dialect and inflicting much shame: Registerial variation within the Atticist lexicon

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The manuals of Atticistic lexicographers (or grammarians) are often cited as important sources for recovering the structure and form of Postclassical (or Koiné) Greek. Typically, inferences as to the domains (lexis, morphology, orthography, and syntax) of the nonstandard or vernacular variants of Postclassical Greek are drawn from what Atticistic lexica proscribe, rather than their prescriptions (Browning 1983). Subsequently, any potential linguistic value contained within their pronouncements has not been sufficiently exploited, owing mainly, although not only, to an overriding concern with recovering this putative vernacular (e.g. Humbert 1930). Such an approach also denies the authors of these lexica any kind of metalinguistic awareness; but is this truly the case?

I argue that, in spite of their *dicta* being rooted in linguistic approaches that are, to be sure, highly prescriptivising and largely antithetical to the modern descriptive consensus in the field of linguistics, we can draw much from both their pre- and proscriptions. I focus here particularly on register (e.g. Halliday 1978; Halliday and Hasan 1985), in which I aim to situate the phenomenon of postclassical Atticism (Atticistic prescription)—distinct from the language of classical Attic Greek itself. It is, therefore, instructive to begin from a broad, inclusive structural perspective that views the variation between disparate kinds of textual evidence—in genre and time (Lee 2018)—as useful to the explication of a given linguistic quality, or lack thereof, among writers of both literary and documentary texts (Bentein 2016).

References

- Bentein, K. 2016. *Verbal Periphrasis in Ancient Greek: Have- and Be-Constructions*. Oxford: Oxford University Press.
- Browning, R. 1983. *Medieval and Modern Greek*. 2nd edn. Cambridge: Cambridge University Press.
- Halliday, M. A. K. 1978. *Language as Social Semiotic: The Social Interpretation of Language and Meaning*. London: Edward Arnold.
- Halliday, M. A. K. and Hasan, R. 1985. *Language, Context and Text: Aspects of Language in a Social-Semiotic Perspective*. Oxford: Oxford University Press.
- Humbert, J. 1930. *La disparition du datif en grec du I^{er} au X^e siècle*. Paris: Champion.
- Lee, J. A. L. 2018. *The Greek of the Pentateuch: Grinfield Lectures on the Septuagint 2011–2012*. Oxford: Oxford University Press.

Joanne Vera Stolk:

A cognitive approach to the production of standard and nonstandard spelling in documentary papyri

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The Greek documentary papyri (300 BC – 700 CE) provide an interesting corpus for linguistic study due to the large amount of linguistic variation. Variation in spelling is traditionally used as evidence for phonological changes taking place in the post-Classical Greek language, resulting in the current pronunciation of Modern Greek (see e.g. Mayser & Schmoll 1970; Gignac 1976; Teodorsson 1977). The interchange of graphemes, however, does not solely depend on the pronunciation of the corresponding phoneme. Even if the two graphemes were pronounced identically in the spoken language, the choice between one grapheme or the other is likely to be based on other, cognitive and social, aspects, such as the general frequency of spelling patterns in the language, the exposure of the writer to various morphemes and lexemes in the language and local orthographic conventions. In this presentation, I will show various examples of these alternative factors contributing to the choice of spelling variants in documentary papyri.

Riccardo Vecchiato:

How did they read the Classics? Literary and Dialectological Studies in an unpublished Hellenistic Lexicon

Universität zu Köln

Only a few lexica on papyrus from the Hellenistic period are preserved (P.Hib. II 175; P.Heid. I 200; P.Berol. inv.9965; P.Feib. I 1c). In this paper I will give an overview of an unpublished papyrus of the Cologne collection containing a lexicon datable in the 3rd/2nd century BCE. This text will possibly be the longest example of its genre in pre-Roman times. The lexicon presents around 65 *glossanda*, all of them alphabetized beyond the third letter - a practice that was thought to come into existence only in the 2nd century CE. The *lemmata* involve mainly poetical, but possibly also non-literary words. Many of them are characterised as belonging to the dialect of a specific *polis* or region (e.g. Kleitor in Thessaly, Crete, Taranto). Interestingly, even clearly poetical words, as for example a Homeric *hapax legomenon*, are ascribed to a specific city-dialect.

The poetical words (half of them is Homeric) and their explanations can be further illustrated by quoting the *locus classicus* from which the *lemma* was taken. Of these eleven quotations seven come from the Iliad or the Odyssey, one from a Homeric hymn, one from Archilochus and one from Aeschylus. Parts of a further hexametric verse cannot be identified with any known text. By providing some relevant examples of this lexicon's entries I will suggest that both the way in which the *lemmata* are analysed and the lexicographer's knowledge of literary and dialectical studies point towards the possibility that this lexicon should be brought in connection with the philological studies in Alexandria's Mouseion.

Marja Vierros: Grammar of a Corpus Language in the Digital Age

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Greek as a corpus language has an exceptionally long time span and wide range of sources. Therefore, focusing on a certain time period and even on a certain type of source material is grounded when building corpora and digital tools. Some methodological solutions may be specific for one type of source material and not applicable to others. On the other hand, some methodological issues are common and thus the solutions should be discussed more widely.

The project Digital Grammar of Greek Documentary Papyri (PapyGreek) is focusing on one specific source, documentary papyri. This also limits the geographical scope to Egypt and chronological scope from ca. 300 BCE to 600 CE. The outcome of the project will serve as an online tool and reference work for researchers, students, and linguists. The Greek used in papyri has not before been easily available for linguistic study, especially in quantitative measures. Even with the limitations of source type and time period just mentioned, the data is not small. As such, it does give important evidence on the chronology, variation, and directions of the linguistic developments of postclassical Greek. It also brings forward multiple theoretical and methodological questions. It is important to plan how the data and results are presented in order to meet the criteria and needs of modern linguistics.

I will discuss some of these questions and present some solutions we have come up with. The issues concern many levels: We can start from the editors' decisions in splitting the ancient texts into words and sentences, and how the editorial decisions differ from one another and how that influences the results in digital editions and in our added annotations. Then we can continue to issues on theoretical framework, reliability of the data, audience and users, and what kinds of questions we are seeking answers to.

Staffan Wahlgren: Word Order in Learned/Formal Byzantine Greek

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Excepting elements with a clearly fixed position (such as prepositives and postpositives) Ancient Greek word order has traditionally been described as free. It is not evident how, if at all, the ordering of the main constituents is determined by syntactic function. Indeed, although some progress has been made in recent times, for instance through the study of pragmatic aspects of the language, it is fair to say that we do not understand Ancient Greek word order very well.

However, while Ancient Greek word order may be considered less than well understood, we know next to nothing about this side of learned Byzantine Greek. In my contribution I will make an account of word order patterns in some learned, or, at least, fairly formal, Byzantine Greek texts from the 10th and 14th centuries. I will then put my findings in the wider perspective of, on the one hand, Ancient Greek, on the other hand, the vernacular (our knowledge of these varieties being what it is). In sum, this is a paper about tradition and trends (to what extent are rules of the ancient language still applicable?) and influences (does the fact that, from a structural point of view, the vernacular is such a different language mean anything to the usage of formal registers in Byzantium?), and about productive methodologies for further research.

Polina Yordanova: Finding One's Way in the Digital Forest: Discontinuity in a Treebank of Documentary Papyri

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Word order has traditionally been an underrepresented topic in the research of Ancient Greek, and even those studies that are particularly addressing it are mostly examining literary materials. Documentary sources could provide insight into some unexplored aspects of the development of the language, but, due to their vast number and miscellaneous content, traditional philological methods would necessarily be limited in their research scope.

This is where digital technologies come in as a solution giving scholars the opportunity to draw their conclusions on quantitative data that serves as the basis for qualitative approach. Morphosyntactic annotations of corpora of texts (a.k.a. treebanking) is a method proven to be extremely suitable for linguistic research from all points of view, but it is perhaps the best tool for studying word order in particular, as it allows the researcher to keep track of both the position of words in the sentence and the syntactic relations between them.

Creating a morphosyntactically-annotated corpus can be a cumbersome and time-consuming process, especially if made by hand, but it is querying treebanks that is the truly problematic endeavor. In order to query my trees for discontinuous structures, I have employed the power of XSLT (eXtensible Stylesheet Language Transformations), which allows me to manipulate the treebanked files and enrich their encoding through additional annotations. I will demonstrate how this approach can be applied on a heterogeneous corpus such as the one assembled by the Digital Grammar of the Documentary Papyri (PapyGreek) project.