Case in 2017: some thoughts

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Overview

What I have to say...

 (i) enough with Abstract Case already

 (ii) so-called "m-case" is <u>syntactic</u>

 (iii) nominative $\equiv$ the absence of case

 (iv) only 2 kinds of real($\equiv$ non-nominative) case:
  dependent case, and case assigned under closest-c-command by H^0

Abstract Case: what it's supposed to be

- A theory of the <u>distribution of overt nominals</u>
  - motivated by data like these:

(1) John tried (*<u>Bill</u>/*<u>himself</u>*/<u>him</u>) to win.

(2) John is fond *(of) <u>Mary</u>.

(3) the destruction *(of) <u>the city</u>

(4) It is impossible *(for) <u>Bill</u> to win.

[*Chomsky & Lasnik 1977, Vergnaud 1977, Chomsky 1981 et seq.*]

- Abstract Case has nothing to say about data like the following:

(5) a. John is fond of/*for Mary.

  b. the destruction of/*for the city

  c. It is impossible for/*of Bill to win.

  - these are typically handled by an appeal to c-selection

Abstract Case: what it's supposed to be *(cont.)*

↦ But c-selection is not only *necessary* to account for data like (6a–c) —

(6)   a. John is fond { of/*for/*Ø } Mary.

b. the destruction { of/*for/*Ø } the city

c. It is impossible { for/*of/*Ø } Bill to win.

— it is also <u>*sufficient*</u> (Sundaresan & McFadden 2009).

⇒ That leaves (1):

(1)   John tried (*<u>Bill</u>/*<u>himself</u>*/<u>him</u>) to win.

○ *but Abstract Case is not a particularly interesting or successful account of (1)...*

wager-verbs (Pesetsky 1991, Postal 1974)

- There is a class of verbs which take an infinitival complement —
  - for which having an "in situ" subject of that infinitive is impossible:

(7) * John wagered Secretariat to win.

  - but passive(≡*A-movement*) allows this same noun phrase to be overt:

(8) Secretariat was wagered *t* to win.

  ↠ and, crucially, so does *A-bar movement*:

(9) Which horse did John wager *t* to win?

wager-verbs (Pesetsky 1991, Postal 1974) *(cont.)*

(7) * John wagered Secretariat to win.

(8)   Secretariat was wagered *t* to win.

(9)   Which horse did John wager *t* to win?

- Importantly, the theory of Abstract Case must maintain that A-bar movement is "Case-neutral" —

(10) * Mary asked <u>who</u> John tried *t* to win.

  ○ otherwise examples like (10) are predicted to be okay

   NB: On the Abstract Case theory, both *ask* and *try* (or clauses where these are the main verbs) must be considered viable "Case assigners":

   (11) a. Mary asked [a question].

        b. John tried [the pie].

   ⇒ the movement in (10) should, all else being equal, bring the moving phrase into the domain of Case assignment

wager-verbs (Pesetsky 1991, Postal 1974) *(cont.)*

(7)   * John wagered Secretariat to win.

(8)   Secretariat was wagered *t* to win.

(9)   Which horse did John wager *t* to win?

- Given that A-bar movement is Case-neutral, the contrast between (7) and (9) cannot be Case-theoretic;

⇒ There must be a separate contraint at play, ruling out (7).

Infinitives reconsidered

- The badness of (7) is a subcase of a broader pattern:

(12) *infinitival subjects...*

that are "in situ"	that have vacated by A-mvmt	that have vacated by A-bar mvmt	
✓	✓	✓	John expected Secretariat to win. Secretariat was expected *t* to win. Which horse did John expect *t* to win?
(✗)	✓	✓	* John wagered Secretariat to win. Secretariat was wagered *t* to win. Which horse did John wager *t* to win?
[✗]	(✗)	✗	* John tried Secretariat to win. * Secretariat was tried *t* to win. * Which horse did John try *t* to win?

- ○ things marked with a ⟨red circle⟩ cannot be accounted for with Abstract Case

- ↣ **in terms of scientific method, inventing a sui generis explanation *just* for the ⟨boxed⟩ cell is just about the last thing we should entertain.**

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A note on the Case Filter

- In Chomsky (2000, 2001), the Case Filter is recapitulated as checking condition on 'uninterpretable' Case features located on D(P)
  - the idea being that you get the Case Filter "for free" from the assumption that Case is a feature — because:

(13) unchecked/unvalued/undeleted features cause a "crash"(=ungrammaticality) at the interfaces.

- ➥ Preminger 2014: (13) is demonstrably false
- ⇒ Whatever you want to say about the Case Filter, you certainly can no longer say it comes "for free" from the mechanisms of feature-checking/valuation.

What else does(n't) Abstract Case do?

- *Obligatory A-movement (as in passives & raising)?*
  - even if we were to adopt the theory of Abstract Case —
    - there are well-established cases of obligatory A-movement that cannot possibly be explained in terms of this theory

  - ex.: Object Shift (in Scandinavian)
    - involves obligatory A-movement from positions that Abstract Case theory would have to characterize as already-Case-marked

      (as evinced by the behavior of the shifted nominals' non-specific / non-pronominal / . . . counterparts, which do not shift)

  - ⇒ even Abstract Case theory must resort to an obligatory A-movement operation having nothing to do with "Case"; therefore —
    - ↪ **obligatory A-movement in passives & raising is in no way an argument in favor of Abstract Case.**

What else does(n't) Abstract Case do? *(cont.)*

- *Determine (or help determine) morphological form?*
  - ↝ Abstract Case has <u>nothing to do</u> with overt case morphology

  - ○ some would point out that Abstract Case *often* makes the right predictions concerning overt case
    - – I actually think that's a gross idealization;
    - – but even if we grant it, it's hardly redeeming
  - ○ our criterion for a successful theory isn't, and shouldn't be, "*X* gets a lot of the facts right"
  - ○ associationist/connectionist approaches to language get a lot of the facts right, too
    - – but that doesn't lead us to adopt Google Translate as our theory of grammar

What else does(n't) Abstract Case do? *(cont.)*

○ we generativists see a profundity in the kinds of errors that associationist/connectionist systems make

    – and we take these errors to be indicative that the logic of these systems is fundamentally off

○ look no further than Icelandic to see that, when it comes to overt case morphology, the logic of Abstract Case is fundamentally off

    – an observation that has been around since the late-80s, by the way

        · Zaenen et al. (1985), Yip et al. (1987), Marantz (1991)

What else does(n't) Abstract Case do? *(cont.)*

↝ most importantly, if you look at what one <u>does</u> need to say to accurately predict case morphology —

(probably some version of configurational case assignment)

— you get a system that:

(i) makes no reference to whatsoever to the primitives of Abstract Case

(ii) is (much) simpler than what you'd need to say to "fix" the morphological mispredictions that Abstract Case generates

– cf. Legate 2008

⇒ and so I think I am entirely justified when I say that **Abstract Case is of no use whatsoever in predicting overt case morphology**

In closing. . .

Enough already with Abstract Case.

So-called "m-case"

- What it refers to:
  - ○ an empirically adequate system that determines the case of nominals
    - – **in a way that actually matches what we see** in languages with case morphology
  - ○ includes *dependent case* ⇒ is (at least partially) <u>configurational</u>
    - – what that means: case is assigned to (some) noun phrases by virtue of their structural relation to other noun phrases
      - · not (just) by virtue of their structural relation to designated functional heads

So-called "m-case" *(cont.)*

- <u>Marantz (1991):</u> m-case is, well, morphological
  - what he means by this:
    - it is computed on the PF branch, after the PF-LF split
      - · in the same part of the derivation where what we (pre-theoretically) call 'morphology' is
  - what he does **not** mean by this:
    - m-case only exists where it is morpho-phonologically visible (more on this shortly)

- This statement about the modular locus of m-case is justified in terms of the following claim:

(14) There are no properties that must be located in syntax proper and which make unambiguous reference to m-case.   [*Marantz 1991*]

So-called "m-case" *(cont.)*

4) There are no properties that must be located in syntax proper and which make unambiguous reference to m-case. [*Marantz 1991*]

   ↦ Claim (14) is **false**.

   - Bobaljik (2008): agreement in φ-features (PERSON, NUMBER, GENDER/NOUN-CLASS) requires unambiguous reference to m-case
     ○ in a way that cannot be subsumed by 'grammatical function', 'theta role', 'position', etc.

   - Preminger 2014: movement to canonical subject position (in a subset of languages) requires unambiguous reference to agreement in φ-features
     ○ moreover, movement to canonical subject position has LF consequences (e.g. it is scope-expanding)
     ⇒ both agreement in φ-features and m-case must reside within syntax proper.

An all-too-frequent caricature of m-case

- In the literature, m-case is often simply interpreted as: "case you can see(=hear)"

⇢ It is abundantly clear that this cannot be right; here's why:

  ○ one of the crowning achievements of m-case is correctly predicting the distribution of nominative case in Icelandic

  ○ in particular, the fact that when the subject is exceptionally ACC/DAT/GEN —

    – the object gets marked with NOM instead of the usual ACC

  ○ as noted by Bobaljik (2008), finite agreement in Icelandic tracks NOM

  ○ now, several nominal paradigms (incl. pronouns) in Icelandic show various cross-case syncretisms

  ○ **but a (syntactically) non-NOM subject in Icelandic that happens to be (morphologically) syncretic with its NOM counterpart is not suddenly able to control agreement**

An all-too-frequent caricature of m-case *(cont.)*

$\Rightarrow$ In other words, m-case is itself an abstract system of categories
- that may or may not be exponed in a way that tracks every single syntactically-relevant distinction

- Or, to put it in the form of a slogan: "m-case is abstract."

'Nominative': the traditional view

- The traditional view of 'nominative' —

     (no doubt inspired by older philological traditions, but largely persistent to this day)

- — takes 'nominative' to be an extant grammatical primitive.

- One then finds various discussions in the literature about how & when nominative is "assigned"
  - see, e.g., Chomsky 1981 *et seq.*

➥ *I have argued that this is fundamentally mistaken...*

'Nominative' as caselessness

Preminger 2014, Kornfilt & Preminger 2015:

(i) <u>Everything preempts nominative</u>

Viewing (m-)case assignment as run-of-the-mill feature valuation, and 'nominative' as caselessness —

we derive the fact, which had to be stipulated in Marantz 1991, that nominative comes "last" in the case assignment hierarchy

- if 'nominative' ≡ "my case features have not been valued":
    - ⇒ any contentful assignment of case to a nominal would make it impossible for that nominal to subsequently be 'nominative'
        - ○ this is precisely the kind of preemption that Marantz had to stipulate as part of his *disjunctive case hierarchy*
- ↠ and remember: we already <u>know</u> that features remaining unvalued through the end of the derivation is okay (Preminger 2014)

'Nominative' as caselessness *(cont.)*

(ii) <u>Raising-to-ACC</u>

(15) a. min ehigi$_1$-**ni** [bügün *t*$_1$ kyaj-yax-**xyt**   ] dien erem-mit-im
      I   you-**ACC** today   win-FUT-**2pl.SUBJ** that hope-PST-1sg.SUBJ
      'I hoped you would win today.'

    b. ehigi bihigi$_1$-**ni** [*t*$_1$ kyajtar-dy-**byt**   ] dien xomoj-du-gut
     you   we-**ACC**   lose-PST-**1pl.SUBJ** that become.sad-PST-2pl.SU
     'Y'all were disappointed that we lost.'   [*Sakha (Turkic); V05:369*]

- these are instances of **raising** per se (Baker & Vinokurova 2010)
  - $\Rightarrow$ the trigger for subject-agreement in the embedded clause <u>is</u> the very nominal that shows up bearing ACC in the matrix
- outside of this construction, subject agreement in Sakha adheres to a strict **NOM** $\Leftrightarrow$ **finite agr** generalization
  - ➛ *how and why is that generalization violated here?*

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'Nominative' as caselessness *(cont.)*

(15) a. min ehigi$_1$-**ni** [bügün ***t*$_1$** kyaj-yax-**xyt**   ] dien erem-mit-im
I   you-**ACC** today   win-FUT-**2pl.SUBJ** that hope-PST-1sg.SUBJ
'I hoped you would win today.'

b. ehigi bihigi$_1$-**ni** [***t*$_1$** kyajtar-dy-**byt**   ] dien xomoj-du-gut
you we-**ACC**   lose-PST-**1pl.SUBJ** that become.sad-PST-2pl.SU
'Y'all were disappointed that we lost.'   [*Sakha (Turkic); V05:369*]

- **A reasonable solution:** the relevant nominals go from being nominative (in the embedded clause) to being accusative (in the matrix)
  - <u>Baker & Vinokurova (2010):</u> they do so by means of "case-stacking"

(16) [[[DP]-NOM]-ACC]

- <u>Kornfilt & Preminger (2015):</u> Contrary what (16) requires, Sakha does not allow already-case-marked nominals to participate in subsequent *dependent case* relations

'Nominative' as caselessness *(cont.)*

(15) a. min ehigi₁-**ni** [bügün t_1 kyaj-yax-**xyt**] dien erem-mit-im
     I   you-**ACC** today   win-FUT-**2pl.SUBJ** that hope-PST-1sg.SUBJ
     'I hoped you would win today.'

   b. ehigi bihigi₁-**ni** [t_1 kyajtar-dy-**byt**] dien xomoj-du-gut
     you we-**ACC**   lose-PST-**1pl.SUBJ** that become.sad-PST-2pl.SU
     'Y'all were disappointed that we lost.'   [*Sakha (Turkic); V05:369*]

   ○ since ACC in Sakha is *dependent case*, the only way something can "become ACC" is if it was previously caseless

     ↦ **and that's what being nominative is.**

Other types of (m-)case

- So we've seen that so-called 'nominative' is just the absence of case;
- And we've mentioned *dependent case* —
  - case is assigned to a noun phrase by virtue of its structural proximity to another as-of-yet-caseless noun phrase
⇒ What else is there?

- For Marantz 1991, there is only one other category: *lexically governed case*
  - which, for him, meant case assigned to a nominal by the head that selects it

Other types of (m-)case *(cont.)*

- For Marantz, *lexically governed case* must preempt *dependent case*
  - in Preminger 2014, I showed that viewing (m-)case assignment as run-of-the-mill valuation derives this instance of preemption, as well

- That's because, on a bottom-up model of structure building —

(17)
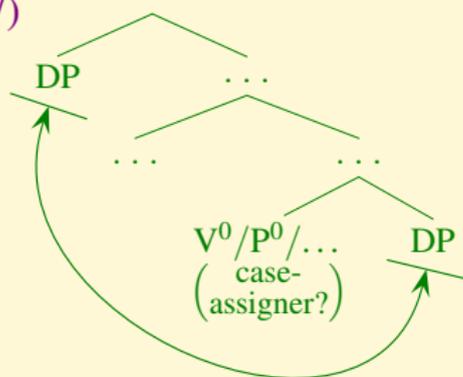
- the sisterhood relation in question will obtain <u>before</u> the necessary configuration for DEPENDENT case assignment

Other types of (m-)case *(cont.)*

- However, I no longer think this story is correct —
  - ↠ or rather, I don't think it is complete

- For one thing, there are certain kinds of case that Marantz's (1991) system, as stated, is a very poor fit for
  - ○ most notably, case associated with prepositional complementizers
    - – which is a very poor fit for *dependent case*, but is assigned to a nominal not selected by the prepositional complementizer
- ⇒ As a result, I no longer think *lexical(ly governed) case* should be restricted to the sisterhood relation
  - ○ rather, it is case associated with the lexical identity of a particular head, **and assigned under closest-c-command**

Other types of (m-)case *(cont.)*

- When *lexical case* <u>is</u> discharged under sisterhood —
  - the earlier results (preemption of *dependent case*) still obtain

- But now we can account for case assigned by prepositional complementizers

- As well as. . . *case in English!*

(18) a. He$_{c1}$ is here on time.

    b. Her$_{c2}$ and him$_{c2}$ are here on time.

↞ I'm assuming, with Sobin (1997), that the other forms are just prescriptive (hyper)correction
  - that they exist doesn't mean we should shove them in the grammar
  - any more than the existence of *"Numeral NP do/does not a NP make"* means we should make the grammar of English verb-final

Other types of (m-)case *(cont.)*

(18) a. He_{c1} is here on time.

b. Her_{c2} and him_{c2} are here on time.

↦ Note, importantly, that $c1$ has nothing to do with agreement:

(19) a. I demand that he_{c1} be here on time.

b. I demand that her_{c2} and him_{c2} be here on time.

⇒ $c1$ is case assigned by T^0 under closest-c-command;
$c2$ is caselessness($\equiv$unmarked case)

- ○ in other words, insofar as English has anything you'd want to call 'nominative' —
  - – it's $c2$, i.e., the thing we've been calling 'accusative' or 'objective' case

Happy Birthday David!

And thank you all for listening!

References

Baker, Mark C. & Nadya Vinokurova. 2010. Two modalities of Case assignment: Case in Sakha. *Natural Language & Linguistic Theory* 28:593–642, DOI: <10.1007/s11049-010-9105-1>.

Bobaljik, Jonathan David. 2008. Where's phi? Agreement as a post-syntactic operation. In *Phi Theory: phi-features across interfaces and modules*, eds. Daniel Harbour, David Adger & Susana Béjar, 295–328. Oxford: Oxford University Press.

Chomsky, Noam. 1981. *Lectures on government and binding*. Dordrecht: Foris.

Chomsky, Noam. 2000. Minimalist inquiries: the framework. In *Step by step: essays on minimalist syntax in honor of Howard Lasnik*, eds. Roger Martin, David Michaels & Juan Uriagereka, 89–155. Cambridge, MA: MIT Press.

Chomsky, Noam. 2001. Derivation by phase. In *Ken Hale: a life in language*, ed. Michael Kenstowicz, 1–52. Cambridge, MA: MIT Press.

Chomsky, Noam & Howard Lasnik. 1977. Filters and control. *Linguistic Inquiry* 8:425–504.

Kornfilt, Jaklin & Omer Preminger. 2015. Nominative as *no case at all*: an argument from raising-to-ACC in Sakha. In *Proceedings of the 9th Workshop on Altaic Formal Linguistics (WAFL 9)*, eds. Andrew Joseph & Esra Predolac, MIT Working Papers in Linguistics 76, Cambridge, MA: MITWPL, 109–120.

Legate, Julie Anne. 2008. Morphological and abstract case. *Linguistic Inquiry* 39:55–101, DOI: <10.1162/ling.2008.39.1.55>.

References *(cont.)*

Marantz, Alec. 1991. Case and licensing. In *Proceedings of the 8th Eastern States Conference on Linguistics (ESCOL 8)*, eds. German Westphal, Benjamin Ao & Hee-Rahk Chae, Ithaca, NY: CLC Publications, 234–253.

Pesetsky, David. 1991. *Zero syntax, vol. 2: infinitives*. Ms., Cambridge, MA: MIT.

Postal, Paul M. 1974. *On raising: one rule of grammar and its theoretical implications*. Cambridge, MA: MIT Press.

Preminger, Omer. 2014. *Agreement and its failures*. Linguistic Inquiry Monographs 68, Cambridge, MA: MIT Press, DOI: <10.7551/mitpress/9780262027403.001.0001>.

Sobin, Nicholas. 1997. Agreement, default rules, and grammatical viruses. *Linguistic Inquiry* 28:318–343.

Sundaresan, Sandhya & Thomas McFadden. 2009. DP distribution, finiteness and control in tamil and other languages: selection vs. case. *Journal of South Asian Linguistics* 2:5–34.

Vergnaud, Jean-Roger. 1977. *Open letter to Chomsky and Lasnik*. April 1977, available at <https://ling.auf.net/lingBuzz/000461>.

Vinokurova, Nadya. 2005. *Lexical categories and argument structure: a study with reference to Sakha*. Doctoral dissertation, Utrecht: UiL-OTS. LOT dissertation series.

Yip, Moira, Joan Maling & Ray Jackendoff. 1987. Case in tiers. *Language* 63:217–250.

References *(cont.)*

Zaenen, Annie, Joan Maling & Höskuldur Thráinsson. 1985. Case and grammatical functions: the Icelandic passive. *Natural Language & Linguistic Theory* 3:441–483.