

Differentiating poetry from pencils

- It's somewhat tricky to pin down a good diagnostic for which kinds of PP count as of poetry type PPs and which count as by the pencils type PPs.
- Of poetry PPs generally start with of.
 - I) The book of great importance by the pencils.
 - 2) The book by the pencils of great importance.
- Of poetry PPs generally describe a fairly intrinsic property of the N.
 - 3) The student of physics in the hall.
 - 4) The student in the hall of physics.

<u>Of poetry</u> PPs aren't obligatory

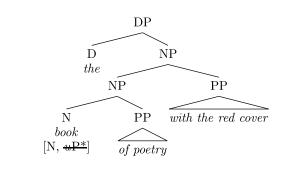
- NPs don't necessarily have an of poetry type PP, but they can.
 - I) The book of poetry on the table.
 - 2) The book on the table.
- We'll analyze this essentially like Adger analyzed *letters to Peter* on p. 109 (though we may revise this slightly shortly). An N has the option of having a [*u*P*] feature, and if it does, the PP that satisfies it must have this "intrinsic property" characteristic (and will generally be an of-PP).

UTAH

- Adger doesn't treat this as such (actually, he doesn't treat this at all), but we can understand the restriction to "intrinsic properties" in somewhat the same way we treat the oddity of these:
 - I) #The room learned Chinese.
- 2) #I sent Chicago letters.
- Here, there's something about being an Agent or a possessor that requires cognitive capacity. There's an intrinsic property of the role assigned.
- If intrinsic property can be thought of as a θ -role, N can optionally assign this role.
 - PP sister of N: Property

one

• So book of poetry with the red cover would look something like this. One can replace any NP.



The category of pronouns • We said that bare plurals like students in Students arrived are really DPs, and have a null determiner. [**DP** Ø students] arrived. • How about pronouns, like we in We arrived? Although you can say The students arrived, you can't say *The we arrived. • You can say things like We linguists should stick together. Or You syntacticians are a crazy lot. That is, a pronoun followed by a noun.

The category of pronouns

- We linguists looks rather like The linguists.
- We looks rather like a D.
- Also noteworthy:

I) The media always disparages us linguists.

- Pronouns reflect case distinctions.
- If pronouns are just Ds, then case must be a property of D.
- Case is actually a property of D (not of N).

Possessors

This only seems to work with we and you, though.

- Consider the genitive (possessive) 's in English:
 - 1) John's hat
 - 2) The student's sandwich
 - 3) The man from Australia's book
 - 4) The man on the hill by the tree's binoculars
- The possessor can be a full DP (inside another DP).
- The 's attaches to the whole possessor phrase—it's the man's book and binoculars, not Australia's or the tree's, after all.
- This is not a noun suffix. It seems more like a little word that signals possession, standing between the possessor and the possessee. (it's a clitic).

Possessors

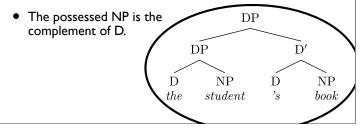
- It seems to be impossible to have both a 's and a determiner.
 - *The building's the roof
 - The roof of the building
 - *The hurricane's the eye
- Determiners like the and the possession marker 's seem to be in complementary distribution-if one appears, the other cannot.
- Compare:

I) The big fluffy pink rabbit	3) *The my rabbit
2) *The that rabbit	4) *Every my rabbit

2) * I he that rabbit

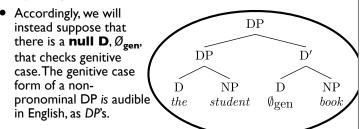
Possessors?

- This suggests a structure like this for possession phrases:
- The possessor DP is in the specifier of DP.And of course, this can be as complex a DP as we like, e.g., the very hungry student of linguistics by the tree with the purple flowers over there... ...'s book



Possessors and the null D

- But what then to do about DPs like his book? Or their book?
- Here the possessor DP is the genitive case pronoun, and there's no 's.
 - 1) *Their's book
 2) *Them's book
 - 3) *They's book

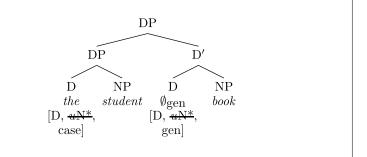


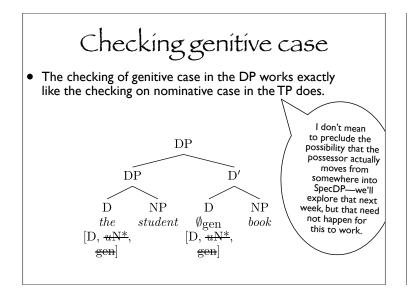
The king's every whim

- I) A whim
- 2) The king's whim
- 3) The king's every whim
- To the extent that every is a D, this indicates two things:
 - The king is to the left of the D; really, the specifier of DP is the only place it could be.
 - The genitive case 's isn't *always* incompatible with an overt D (hence, better to think of 's not as a D but rather as a case marker on the possessor DP). We take this (marked) use of every to be an exceptional overt determiner that can still check [gen].



 The checking of genitive case in the DP works exactly like the checking on nominative case in the TP does.



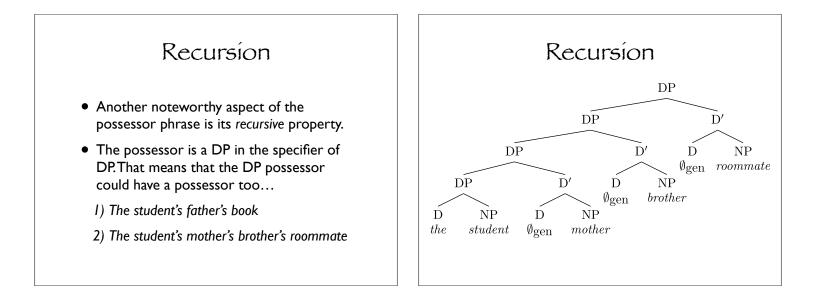


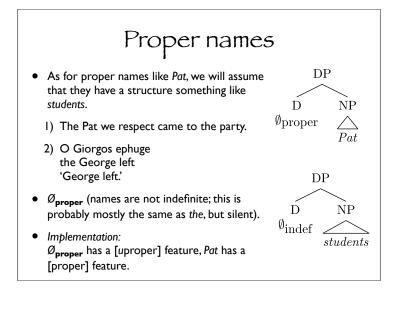
A couple of null Ds

- So we have at this point a couple of different null determiners. They are as different as *the* is from *a* or from *that*, they just happen to be pronounced the same way (like this:"").
- One is Ø_{gen}, which has a [gen] feature and in whose specifier we find possessors.
- Another is Ø_{indef}, which is a nonsingular indefinite article, in whose complement we find plurals and mass nouns.

 $[\mathcal{Q}_{indef} \text{ Milk}]$ spilled. $[\mathcal{Q}_{indef} \text{ People}]$ cried.

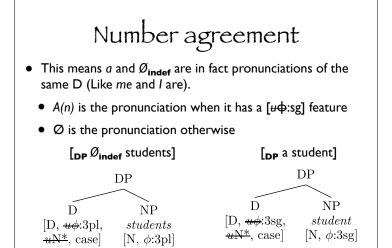
 Mass vs. count: Some nouns indicate countable things (chairs) others indicate stuff (milk). Singular/plural distinctions don't apply with mass nouns.

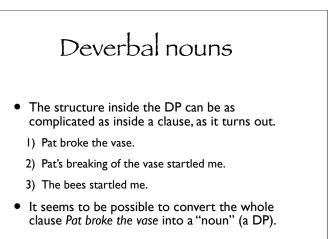




Number agreement on D

- What is wrong with *[DP A students] and *[DP student]? It's a lack of agreement in number. It's like *Students eats lunch.
- We can encode this in the same way: The indefinite determiner has a [uφ:] feature, and the N has φ-features as always (including a num feature).
- The [uφ:] feature is valued and checked by the φ-features of the N.





Deverbal nouns

- What's more, the relationship between *break*, *Pat*, and *the vase* seems to be the same inside the DP as it is in the clause.
 - I) Pat broke the vase.
 - 2) Pat's breaking of the vase made me angry.
 - Pat is an Agent, the vase is a Theme.
 - 3) Pat danced.
 - 4) Pat's dancing startled me.
- Just as the verb break assigns θ-roles, it seems as if the nominalized breaking assigns the same θ-roles. The DP is in a way like a little clause.

TPs and DPs

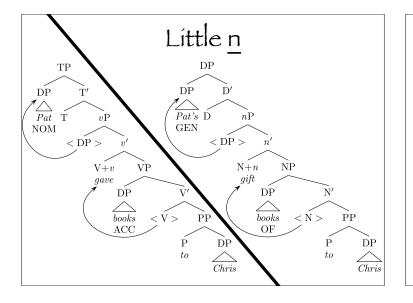
- One difference between clausal DPs and TPs is in the case realized by the arguments.
- I) I called him.
 - Agent is nom (from T), Theme is acc (from v)
- 2) My calling of him was unplanned.
 - Agent is gen, Theme looks like a PP introduced by of.
- So, the case assigners within a DP are different from the case assigners within a clause.

Two kinds of N

- Not all N's assign θ-roles. Some do, some don't. Generally, the nouns related to a verb that assigns θ-roles will assign θ-roles. But something like *lunch* doesn't.
 - I) Pat's lunch was enormous.
 - 2) Pat's eating of lunch was shockingly rapid.
- So, we can either find a DP with a θ-role with genitive case, or we can find a possessor with genitive case, in SpecDP.

Ditransitive N

- Consider the ditransitive verb give and the related noun gift. Just as give is responsible for three θ-roles (Agent, Theme, Goal), so can gift be:
 - I) Pat gave an apple to Chris.
 - 2) Pat's gift of an apple to Chris was unexpected.
- The exact same problem arises with ditransitive nouns as arose with ditransitive verbs.
- Binary branching allows for just two arguments in NP.
 We need an additional projection for the third. Let's try doing this just like we did for verbs...



DP is like TP

- If we suppose that DP works like TP, we can extend our theoretical machinery in an exactly analogous way.
- Hierarchy of Projections D > n > N
- UTAH

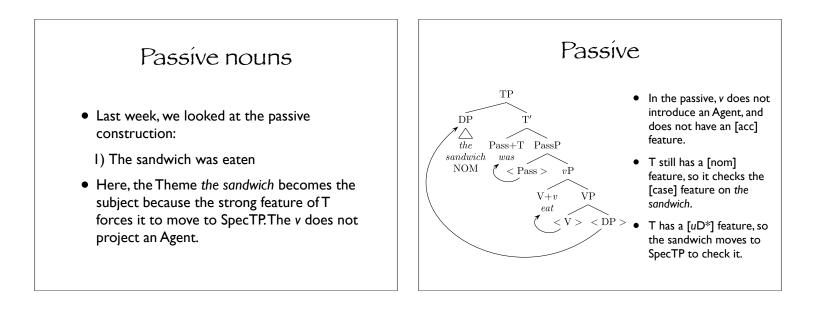
DP daughter of *n*P:Agent DP daughter of NP:Theme PP daughter of N': Goal

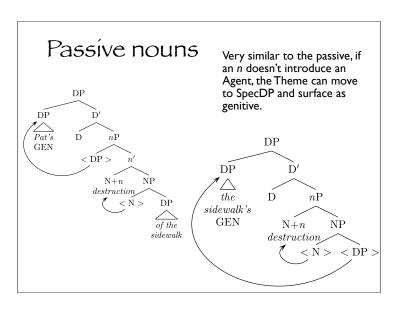
Case in the DP

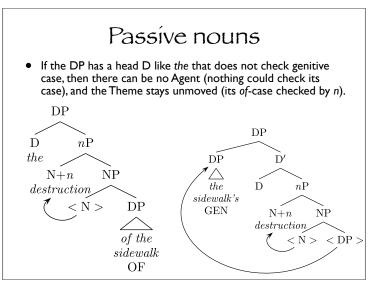
- In the DP, the "subject" appears with genitive case.
 - Cf.The subject in TP, which has nominative case, due to a [nom] feature on T.
- So, we say D can have a [gen*] feature.
 - This checks the genitive case on the subject of the DP, and forces it to move into SpecDP.
- In the DP, the "object" appears with the preposition of.
 - Cf. The object in TP, which has accusative case, due to an [acc] feature on v.
- So, we say that *n* has an [of] feature.

The <u>of</u> case

- What's the deal with this "of case" that objects in DPs get? Isn't of a preposition? Shouldn't of cheese in The gift of cheese to the senator was appreciated be a PP?
- This of is completely meaningless, it acts like a case marker. So, we're going to analyze it as such. Of cheese is a DP with the of case marking. Just like Pat's is a DP with the genitive ('s) case marking.
- Treating of as case allows a complete parallel between TP and DP; v has an [acc] feature, n has an [of] feature.







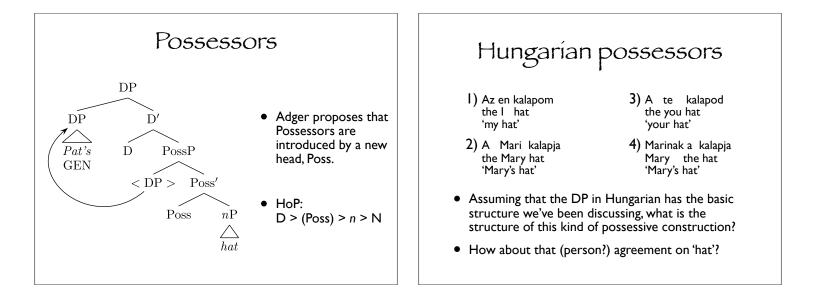
Case and θ -roles

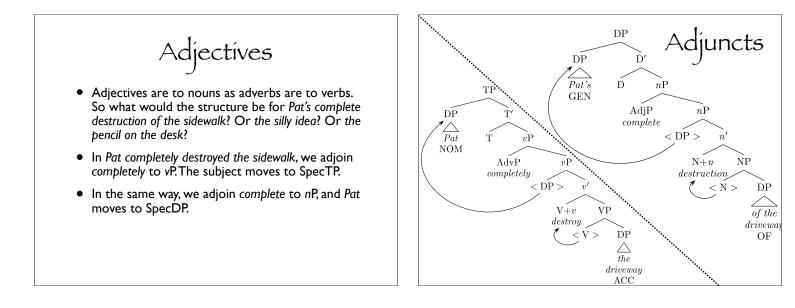
- We now predict the observation Adger makes: Either an Agent or a Theme can show up in the genitive, but only a Theme can show up with *of*-case.
 - I) Adger's analysis of the DP is simple.
 - 2) The DP's analysis is simple.
 - 3) *The analysis of Adger is simple.
- This is essentially the same as the generalization that, in a clause, either an Agent or a Theme can show up with nominative case, but only a Theme can show up with accusative case.
 - I) I called her.
 - 2) She tripped.
- 3) *Her tripped.

4) *Tripped her.

Back to possession

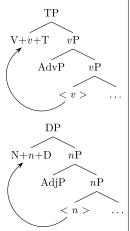
- Prior to today, the genitive case was associated with the possessor. So far today we've been looking at deverbal nouns, where genitive case goes to the subject.
- Our new improved UTAH says, among other things:
 - DP daughter of NP:Theme
 - DP daughter of *n*P:Agent
- Possessors are neither of these, so possessors need to be initially Merged into a distinct place in the structure.





The Italian DP The Italian DP However, there is a difference with respect to the order of adjectives and the noun depending on which one you use. • In Italian, in many cases, there is simply an option (stylistically governed) as to whether you say The I)L' antica Roma 4) E'venuto il vecchio Cameresi. the ancient Rome Gianni or just Gianni: came the older Cameresi 'Ancient Rome' I) Gianni mi ha telefonato. 5)*E'venuto vecchio Cameresi 2)*Antica Roma Gianni me has telephoned came older Cameresi ancient Rome 'Gianni called me up.' 6)E'venuto Camersi vecchio. 3)Roma antica came Cameresi older 2) Il Gianni mi ha telefonato. Rome ancient the Gianni me has telephoned Generalization: If there's a determiner, the 'Gianni called me up.' noun follows the adjective. If there isn't the noun precedes the adjective. The Italian DP

- We can apply the same analysis to the . order nouns and adjectives as we did to the order of adverbs and verbs.
 - Recall that in French, verbs precede adverbs, but in English, verbs follow adverbs.We conclude that in French, v moves to T.
- In Italian, when the noun precedes the adjective it has moved over it, to D.The generalization is that this happens except if D is already filled.
 - L' antica Roma the ancient Rome
 - Roma antica *Antica Roma Rome ancient ancient Rome



Parameters

- Languages differ on whether *n* moves to D, yielding some languages where nouns precede adjectives, and some languages where nouns follow adjectives.
 - Likewise, languages differ on whether v moves to T, yielding some languages (e.g., French) where verbs precede adverbs, and some languages (e.g., English) where verbs follow adverbs.
- What governs whether n moves to D is the strength of an uninterpretable feature checked on D or n by the other. One such feature is [unum:].
 - Italian: [unum:*] is strong on null determiners.
 - English: [unum:] is weak, even on null determiners.
 - [Ø_{indef} Happy students] poured forth from the classroom.

More Italian, same point

- [DP II mio Gianni] ha finalmente telefonato. the my G. has finally called 'My Gianni has finally called.'
- *[DP Mio Gianni] ha finalmente telefonato.
- [DP Gianni mio] ha finalmente telefonato.

Some Hebrew

- ha-oyev 'et ha-'ir harisat destruction the-enemy OM the-city 'The enemy's destruction of the city'
- ha-Siltonot tipul ba-ba'aya treatment the-authorities in-the-problem 'The authorities' treatment of the problem'
- Construct state. What seems to be happening here? Again, parametric variation.
 - [gen] feature of D is weak in Hebrew, strong (when there) in English. But [unum:] feature is strong in Hebrew.
 - Rather like VSO languages, where v moves to T (like in French, unlike in English), but the subject doesn't move to SpecTP (the [uD] feature of T is weak).