# Inflected prepositions in Italian\*

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In Italian certain prepositions (Ps) can appear morphologically combined with articles, inflecting for number and gender. We will dub this the inflected form of the P for the moment, without prejudice as to the analysis of this form:

- (1) Sta nella terza camera 'It's in the third bedroom' is in/the (fem sg) third bedroom
- (2) C' è abbastanza carta sulle scrivanie there is enough paper on/the (fem pl) desks 'There's enough paper on the desks'
- (3) Ci va col vicino there goes with/the (masc sg) neighbour 'He's going there with his neighbour'
- (4) L' ho dato ai ragazzi 'I gave it to the boys' it I-have given to/the (masc pl) boys

The inflected form of the P has desinences similar to those found on the articles and the demonstrative adjective quel(lo). These forms are given overleaf in Table I (where only one inflected P is shown, but the forms for the other inflected Ps vary for number and gender in the same way). In general the inflected forms do not alternate with P+article:

(5) \*Sta in la terza camera (cf. (1)) is in the third bedroom

However, for most speakers the P con can so alternate:

(6) C: ... ?! ....... (-f (a))

6) Ci va con il vicino (cf. (3)) there goes with the neighbour

#### masc sg + consonant masc sg + special sounds masc sg + V or diphthong masc pl+v, diphthong, fem sg+consonant fem sg+V or diphthong +def] article un og un l n n quello quello quell' quelle quella quell' quei dem. adj alle al allo all' ai aghi alla all'

ps, x. We call these the special sounds for ease of exposition. Vowels and diphthongs also occur with these forms in the plural [Table I. The masculine forms are special before the letters  $\langle sC,z,gn,$ 

or special sounds

cannot appear in the inflected form in (7) (pel is an archaic form) For some speakers the preposition per also alternates, but in general per

- (7) \*L' # I-have done for/the professor ho fatto pelprofessore
- **∞** I-have done for the professor fatto per il professore 'I did it for the professor'

in an inflected form. (9) is a representative rather than exhaustive list: in their regular P form. Thus the polysyllabic Ps listed in (9) never appear All Ps which have an inflected form are monosyllabic when they appear

dopo 'after', sotto 'under', sopra 'over', fuori 'outside', durante 'during', prima 'before', davanti 'in front of', accanto a 'beside', dietro 'behind', vicino a 'near', senza 'without'

shows free variation (as seen in (3) vs. (6)). distribution to their inflected forms (if they have them) except con, which among', and per (as seen in (7) vs. (8)), and all Ps occur in complementary All monosyllabic Ps that take NP complements have an inflected form with the exception of fra and its phonological variant tra 'between

now go through each of these possible analyses and argue for the last: that unit, either as a Case-marked article or as an inflected preposition. We will which attaches the article to the preceding P. On the other hand, the occurrence of these inflected forms. There might be a rule of cliticisation following article. There might be an allomorphy rule which predicts the is, we contend that Italian has inflected prepositions inflected form of the P might be present in the lexicon as an unanalysable forms. There might be a phonological rule which combines a P with a There are several possible analyses one might consider for these inflected

# r Phonological analysis

of a P from a combination of the P plus an article, the rule would have between the P and the article. Thus in (10) we see su 'up' followed by to be an external sandhi rule sensitive to the structural relationship il 'the', but we cannot have the inflected form sul 'on/the' here, as (11) If one were to propose a phonological rule to produce the inflected form

(io Quando ho guardato in su, il medico mi ha spennellato le tonsile

'When I looked up, the doctor painted my tonsils with iodine'

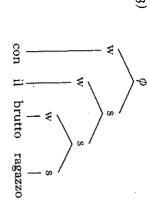
(11) \*Quando ho guardato in sul medico mi ha spennellato le tonsile di

can operate between a P and a following word only when that following word begins a complement of the P.) the restrictions on the external sandhi rule of Raddoppiamento Sintattico that immediately follows it forms a PP with it. (This is, in fact, similar to (RS) in Italian (see Napoli & Nespor 1979; Nespor & Vogel 1982), which It turns out that a P appears in its inflected form only when the material

two constraints would be identical. That is, the syntactic branching here will always be isomorphic to the phonological branching. Consider the syntactic constraint or a phonological constraint. The answer is that the internal syntactic structure of the PP in (12), in terms of X-bar theory: The question then arises as to whether this fact is best captured by a

the article. The P node will always be a left sister of the node whose left daughter is

'Join into a  $\phi$  any lexical head (X) with all items on its non recursive side same side...' (1982: 228). Ps are treated as non-lexical by this rule: within the maximal projection and with any other non lexical items on the Nespor & Vogel (1982). Thus in (13) we employ the  $\phi$  construction rule: in (13), where we adopt the phonological phrase construction rules of Now consider the internal phonological phrase structure of the same PP



ships between the P and the following article: tures differ, but the difference is not pertinent to the branching relation-(in Italian, on its right), the syntactic and phonological phrase struc-If there is a non-branching complement of the head N on its recursive side

#### syntactic structure

phonological structure 
$$\phi'$$

structure and the phonological phrase structure will have different syntactic or phonological constraint best accounts for the failure of sandhi rule, it is impossible to determine on empirical grounds whether a the inflected form of the P in Italian is the result of an external branching relationships between the P and a following article. Thus if It is impossible in Italian to find a PP within which the syntactic phrase the inflected form of the P in examples like (11).

inflected form of these Ps. reason to suspect that no phonological rule has applied to produce the This situation is not so distressing, however, because there is good

other phonological rule of Italian. Consider the example in (1). The P nella from in + la might operate as in (15): here is in. The article is la. The phonological rule which would produce First, if there were such a phonological rule, it would be unlike any

(15) [in la]→[ni la] by metathesis → [ne la] by vowel lowering →[nella] by consonant gemination

In (15) we have inversion of [i] and [n], followed by lowering of the vowel

vowel-lowering rule also has no role in the phonology of Italian other than lowering to della, di never becomes de before other types of words: in contexts like (15). Thus, while di plus the article la also undergoes no role in the phonology of Italian other than in the context in (15). The and lengthening of the initial consonant of [la]. This metathesis rule has

(16)di/\*de lunga durata di/\*de Luigi 'long lasting' 'of/from Luigi' 'at night' di/\*de notte

not all Ps that have an inflected form undergo RS. For example, both da and di have inflected forms which exhibit the putative lengthening rule that of RS (as in Napoli & Nespor 1979 and Nespor & Vogel 1982), since context. That is, we cannot identify this consonant-lengthening rule with (dalla, della, . . . ) but da differs from di with regard to RS (see Napoli & And, finally, the consonant-lengthening rule is also particular to this Nespor 1979).

dropping the initial vowel and having an epenthetic e, are equally we would want our grammar to eschew. Alternatives to (15), such as unmotivated. The derivation in (15) is totally ad hoc, then. It is the type of derivation

(17b)): conjunction with uninflected Ps. We can find conjoined Ps followed by an respect to conjunction. To see this, consider first the facts about NP (as in (17a)), but not P+article conjoined to another P+article (as in Second, the inflected form of these Ps behaves syntactically as a unit with

- (17) a. sotto e sopra la tavola (verde) under and over the (green) table
- \*sotto la e sopra la tavola (verde) 'under the and over the (green) table'

of the N.2 Thus uninflected P never forms a constituent with a following a constituent of P plus an article; (17b) cannot be produced by RNR, since erated conjunction, or else Right Node Raising (RNR) can apply to the RNR cannot leave behind a specifier, but must take the maximal projection be out: (17b) cannot be base generated, since our PS rules do not generate NP object of a P in conjoined PPs. In either instance, we predict (17b) to We can account for (17a) in at least two ways: either we have base-gen-

of conjoined monosyllabic Ps with a following NP having an article as its specifier, parallel to (17a). But we don't find such conjunctions, regardless combination of P plus a following aricle, we would predict the occurrence of whether the putative phonological rule applies to the second conjunct If we assume that a phonological rule produces inflected Ps from a

е 22 to and of/the to and of the della ragazza di la ragazza girl girl 'to and of/about the girl'

the same reason that (18b) is out. But such conjunctions do occur: Furthermore, we predict that we will not find conjoined inflected Ps for

(19) Parlava alla e della ragazza to/the of/the

'He spoke to the and about the girl'

inflected Ps are units in the syntax. the discussion of (17b) and note 2). Thus (19) is strong evidence that The source for (19) cannot be RNR, since RNR applies only to N" (see

And indeed they can't: We expect, then, that inflected Ps cannot be conjoined to uninflected Ps

- \*sulla e sotto on/the e sotto la tavola 'on the and under the table'
- \*sotto e sulla tavola 'under and on the table' under on/the

operates on the S-Structure and S-Structure is autonomous from the PF a phonological rule, given a framework in which the PF component component (as in Chomsky 1973, 1981 and elsewhere). Now if inflected Ps are units in the syntax, they cannot be the result of

## 2 Allomorphy analysis

rule, such as that in (21): A close alternative to a phonological analysis would involve an allomorphy

(21) 
$$\#$$
 in  $\# \rightarrow$  ne / — ART

that begin, for example, with [1]. In support of this claim, notice that the sequences of [in] and it occurs only before an article, not before other items vowel is dropped, as in bambin for bambino 'baby'. But the alternative and never when in is the last two sounds of some other word. In standard alternation of in with ne would occur only when in is the preposition in should be blocked from applying to in in final position of a word other than possible consonant sequence in Italian, so bambne would be impossible bambne is unthinkable, regardless of context. Here, however, bn is not a However, in colloquial Italian some words can end in in when the final Italian there are no words which end in in other than the preposition The rule must be stated precisely as in (21): it does not generalise to all well-formed syllable onsets in Italian. Furthermore, the allomorphy rule in a handful of words of Greek origin, like pneumatica) and ne are or oselne in place of oselin, regardless of context, even though both pn (as Pin pin oselin...). And it is clear that no one would say pne in place of pin. words ending in in, such as pin and oselin (as in the Milanese nursery rhyme the preposition, as dialectal evidence shows. In some dialects there are regardless of the existence of an allomorphy rule. Still, the  $in \rightarrow ne$  rule applies only when the material following the preposition in is an article

followed by an article only, and is not generalisable. luminare. Thus the allomorphy rule is restricted to the preposition in only For example, in+luminare becomes illuminare 'illuminate' and not \*nel-

their inverted counterpart in other Ps before articles;3 in Italian. That is, a vowel and a following consonant do not alternate with phonological rule given in (15). First, it is unlike any other type of rule This allomorphy rule is just as problematic and unmotivated as the

(22) per/\*pre la ragazza 'for the girl'

it is ungrammatical (just like (18)): above. For example, parallel to (17a) we predict that (23) will be good, but tions for conjunction that we made with the phonological rule discarded Second, with such allomorphy rules we make the same wrong predic-

(23) \* a e nella casa 'to and in the house to in/the

as (19) is good): And parallel to (17b) we predict that (24) will be bad, but it is good (just

to/the alla e nella casa 'to the and in the house' in/the

allomorphy rule is responsible for them. inflected forms of the Ps are syntactic units in the base. Thus no We can see that the predictions made here are wrong because these

We will consider the allomorphy rule no further

## 3 Cliticisation analysis

we have no source for examples like (19) and (24), since RNR is impossible here (see the discussion of (17b)). And if we tried to say that our we would predict the existence of non-existent conjunctions like that in explanation for (17b) was wrong and RNR is possible in these contexts, facts that we did with the phonological and allomorphy analyses. That is, vice versa), we would make the same wrong predictions for the conjunction produce inflected Ps by cliticising the article to a preceding P (or, perhaps, of cliticisation follow rules of syntax. But if cliticisation were operating to in Pranka 1983). We follow Zwicky & Pullum (1983) in having all rules or of a phonological rebracketing rule plus merger of the type discussed is, of a phonological readjustment rule of the type discussed in Nevis 1986, The inflected form of the Ps also cannot be the result of cliticisation (that

\* del e con il ragazzo 'about and with the boy with the

(witness (3) vs. (6)), and di would obligatorily undergo cliticisation in the Since con would optionally undergo cliticisation in the second conjunct

We conclude that inflected Ps are not the result of cliticisation.

# 4 Case-marked article analysis

Let us consider the possibility that a form like *nella* might be a special form of the article, so that *nella terza camera* in  $(\tau)$  is an NP, not a PP. With this analysis, we are admitting Case-marked NPs in Italian, where the article would be the item which exhibits Case. This approach has the immediate advantage of treating the inflected form of the P as a syntactic unit, and thus does not encounter the problems for conjunction noted for the other three analyses above.

This analysis cannot be correct, however. The phrases in question have the syntactic behaviour of PPs, not of NPs. They can't undergo NP movement. Thus (26) is good only with the intonation that distinguishes it as having an initial topic (where any PP, not just ones with inflected Ps, can be an initial topic). It is ungrammatical with the intonation in which della rivoluzione is in subject position:

(26) \*Della rivoluzione è stato parlato 'Of the revolution was spoken' of/the

(cf. Abbiamo parlato della rivoluzione 'We spoke of the revolution')

If movement were the only point upon which Case-marked NPs differed from other NPs, we might try to say that only non-Case-marked NPs can move into A-positions. This explanation seems correct, in light of the fact that any given chain created by movement can have only one Case associated with it. However, movement is not the only distinguishing point between the so-called Case-marked NPs and other NPs.

So-called Case-marked NPs do not trigger subject-verb agreement:

(27) Nelle grotte {è / \*sono} dove voglio andare in/the pl sg pl'In the caves is where I want to go'

Since nominative NPs do trigger subject-verb agreement in finite clauses, we might try to account for (27) by some sort of ad hoc stipulation to the effect that NPs with audible Case cannot trigger subject-verb agreement.<sup>4</sup> This already fairly precise exception must be further complicated by the exclusion of pronouns from the excepted class of NPs, since pronouns in Italian do have audible Case. The exception is without independent motivation and begs for an explanation.

Another way in which the so-called Case-marked NPs differ from other

NPs is that they satisfy the subcategorisation requirement of verbs that call for locative or directional PPs:

(28) Ho messo il libro sullo scaffale 'I put the book on the shelf' on/the

Furthermore, they conjoin with PPs, whereas other NPs do not:

(29) a. Abbiamo parlato dell' America e di Ronald of/the

'We spoke about America and about Ronald' b. \*Abbiamo parlato dell' Italia e (l') italiano

'We spoke about Italy and Italian' (cf. Abbiamo parlato italiano 'We spoke Italian')

Syntactically, then, the items in question are PPs and not NPs

Another argument against these items being Case-marked articles is that their form corresponds phonologically to the monosyllabic Ps with articles (see Table I above). If we were dealing with Case-marked articles here, we would have to say that the underlined parts of the words in (30) (disregarding the question of whether any part of the lengthened consonant should be underlined) represent Case markings:

(30) <u>a</u>lla, <u>de</u>lla, <u>ne</u>lla, <u>co</u>lla, <u>su</u>lla, <u>da</u>lla

We now find ourselves with several new Cases in Italian (in fact, more Cases than in Latin and in any other modern Romance language), and the number and range of these new cases is entirely predictable: we have the same number of new Cases as we have monosyllabic Ps minus three (since per is an exception, as noted in (7)–(8), as are tra and fra). NPs with these new Cases have the same distribution as PPs with a monosyllabic head P that is phonologically close to the underlined portion of the Case-marked article in (30). Thus we find the pairs in (31) having the same syntactic distribution:

al ragazzo 'to the boy' vs. a Roberto 'to Robert'
del frate 'of the friar' vs. di Federico 'of Federico'
nell'anno 'in the year' vs. in America 'in America'
coll'uomo 'with the man' vs. con Umberto 'with Umberto'
sulla torre 'on the tower' vs. su Teresa 'on Teresa'
dalla rete 'from the net' vs. da Roma 'from Rome'

The fact that the items in the two columns in (31) have the same syntactic distribution is completely arbitrary in this analysis. A generalisation is surely being missed.

Furthermore, in general, NPs with different Cases cannot be conjoined

conjoined: in Italian. Thus a nominative pronoun and an oblique pronoun cannot be

(32) a. \*Te ed nom io siamo amici 'You and I are friends

(cf. Tu ed io siamo amici)

\*Ci sono andati con tu e me

nom obl

'They went there with you and me' (cf. Ci sono andati con te e me)

conjunction from other NPs. And the difference suggests that the so-called Case-marked NPs really do not have different Cases from each other. the same. Thus the so-called Case-marked NPs behave differently under Case-marked article, so long as their gender and number inflections are not unique; any Case-marked article can be conjoined with any other marked articles, as we have already seen in (19) and (24). (19) and (24) are But so-called Case-marked articles can be conjoined with other Case-

NP and not a PP, then this NP is in a position to receive two Cases: Finally, notice that if the initial phrase in (33) (cf. (27)) is a Case-marked

Nelle grotte è dove voglio andare 'In the caves is where I want to go'

for Case theory. to any NP. Thus examples like (33) would present a significant problem already has Case (seen in the word nella). But only one Case can be assigned nominative Case. With the Case-marked article analysis, however, this NP If nelle grotte is an NP, it is governed by AGR here and should receive

We conclude that items like nella are not Case-marked articles.

### 5 Inflected P analysis

an inflected form of the P (inflected for number and gender in agreement structure of a phrase like nella terza camera is given in (34): with the object N" of that P), so that nella terza camera in (1) is a PP in We have now arrived at the proposal we will defend. A form like nella is the base and at all points throughout the derivation. The syntactic

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in Modern German. This is exactly the structure argued for in Hinrichs (1984) for inflected Ps

of non-predicative items inflected for gender and number in Italian adjectives (see Table I), because these three sets of items comprise the class (Among predicative items we include APs and participles.) First, the inflected P ends in the same way as articles and demonstrative The inflected P analysis will account for all the facts presented thus far

rules to produce them. the welcome result that we need no ad hoc phonological or allomorphy Second, inflected Ps are present in the lexicon under this analysis, with

will correctly never generate examples like those in (18b), (20), (23) and since inflected Ps introduce N' but uninflected Ps introduce N". Thus we those in (19) and (24). But inflected Ps cannot conjoin with uninflected Ps, Third, inflected Ps can conjoin in the base to produce examples like

correctly never generate examples like (26). movement, just as other PPs cannot undergo NP movement. Hence we will Fourth, inflected Ps introduce PPs. And these PPs cannot undergo NP

correctly never generate examples like (27) with the plural verb form. ment, since no PP triggers Subject-Verb agreement. Hence we will Fifth, PPs with an inflected P will never trigger Subject-Verb agree-

fide PPs. Hence, examples like (28) are expected. ment of certain Vs for directional or locative PPs, since they are bona Sixth, PPs with an inflected P can satisfy the subcategorisation require-

generate examples like (29). or not their head P is inflected, since PPs can conjoin. Hence we will Seventh, PPs with an inflected P can conjoin with other PPs whether

Eighth, PPs with an inflected P have the same external distribution as corresponding PPs with an uninflected P (as in (31)), since both are

predictions hold: Ps should not introduce proper nouns, which are N" and not N'. 5 These introduce pronouns, since pronouns are N" and not N'. Likewise, inflected With the analysis in (34) we also predict that inflected Ps will never

categories and raises important questions, both syntactic and semantic in complement, as in (34). This fact sets PP aside from all other major phrase structure rule for PP must now have two expansions; one in which however. The structure in (34) is problematic for the grammar in that the P takes an NP complement, as in (12), and one in which P takes an N' There are some new questions that the analysis in (34) presents,

First, why should PP be different from the other major categories in this

among others). Napoli (to appear) argues that P does not assign a theta also argues that N is not a proper governor, and Aoun 1985 and Safir 1985. including that of George 1980, who says some Ps are Case markers). role (and this claim is consistent with other analyses of prepositions Many have argued that P is not a proper governor (see Kayne 1981, who way? Certainly, the PS rule is not the only way in which PP is unique

inflected or uninflected, is a proper governor in Italian: Italian. Thus P can never be stranded, suggesting that no P, whether far as government and theta role assignment go, all Ps act the same in from uninflected Ps in ways relevant to the remarks above. However, as One would hope for a situation in which inflected Ps behave differently

- (36) a. \*Chi hai parlato dopo? 'Who did you speak after?' (cf. Dopo di chi hai parlato?)
- \*Casa di chi sei entrata nella? (cf. Nella casa di chi sei entrata) 'Whose house did you enter into?' In cui casa sei entrata?)

objects to undergo compositional theta role assignment. This happens da, and the object of da in (37) receives a theta role by compositional theta the PP is a sister. For example, the V dipendere 'depend' chooses the P when the P is lexically or structurally selected by the lexical head of which according to Napoli (to appear). However, some Ps can allow their role assignment: And most Ps, whether they inflect or not, are not theta role assigners,

# (37) Dipendo da mio marito 'I depend on my husband'

their objects to undergo compositional theta role assignment. However, as seen in (37), both inflected Ps and uninflected Ps can allow We therefore have no answer to the question of why PP should be

PP is also defective with respect to government theory and theta theory defective with respect to X-bar theory. But we can at least point out that

article has on the NP to which it is a specifier. the same semantic effect on the givenness or newness of its object as an unanswered as well. Let us point out in passing that the inflected P has unfortunately, be inconclusive. We therefore leave this question us far astray from the central point of this article, especially since it would, and if NP is the referring category and not N or N', where does the reference lie in a phrase like (34)? A discussion of this issue would lead Second, if the inflected P in (34) introduces an N' rather than an NP,

an inflected P from introducing an N", as in (38): be expanded to introduce either N" (as in (12)) or N' (as in (34)), we face the problem of how to block an uninflected P from introducing an N' and would like to try to answer in a more satisfying way. Notice that if P can There are, however, some new questions arising from (34) which we

> (38) a. \*in ritratto 'in portrait' \* nel il ritratto (cf. nel ritratto 'in the portrait') in/the

in/the the

make reference to mere inflectability, since con can appear in either an to make use of the feature [ $\pm$  inflected]. If a P is [+ inflected], it introduces N'. If a P is [- inflected], it introduces N''. Notice that we cannot simply inflected form or an uninflected form, and it is the form it appears in, not This can be handled simply by allowing the PS rules which expand PP an N' or an N". We adopt, then, the PS rules in (39): the fact that it is inflectable, which determines whether it is followed by

(39)  $P'' \rightarrow X'' P'$ Þ′ → [-inflected] [+inflected] z Z,

(The X'' in the expansion of P'' is the specifier - cf. Chomsky 1986.) A second question is how we prevent PPs like that in (40):

(40) \*di la ragazza (cf. della ragazza) 'of the girl' of the of/the

exception to the blocking phenomenon (as we noted in (3) vs. (6) above). the occurrence of the rule-generated form in (40). Con would be an Aronoff 1976), whereby the existence in the lexicon of the inflected P blocks The answer is that this is an example of the phenomenon of blocking (see

coalescence which led to cliticisation and finally morphologisation. Thus, as Nigel Vincent has pointed out to us, della, for example, is easily derived have inflected Ps at all. We may well have here an example of fast speech that the morphologisation occurred early in the history of Italian. in+illa by aphaeresis and vowel lowering. That the diachronic derivations from the Latin forms to the Italian forms are so straightforward suggests from the Latin P de plus the definite article illa. And nella is derived from And the third question we would like to address is why Italian should

#### 6 Conclusion

In Italian, words that look like a coalescence of a preposition and an article are present in the lexicon as inflected prepositions and are not synchronically the result of phonological, morphological or cliticisation rules. These inflected prepositions belong to the natural class of nonpredicative items that inflect for number and gender.

are certainly justified on historical grounds. speakers' intuitions and to classical analyses of the items in question, they phenomenon. While the results of this study go counter, perhaps, to native conditions turns out to be a lexical entity that triggers the blocking What initially appears to be a phonological process with syntactic

variety of languages phenomena previously assumed to be external sandhi phenomena in a & Hale 1983). We hope the present study will lead to new analyses of Irish prepositions inflect to agree with pronouns they govern (McCloskey Piera 1985). Finnish has postpositions inflected for Case. And in Modern ways. Still, they appear to be best handled with a lexical analysis (see also French inflected prepositions differ from the Italian ones in interesting in fact, offered just such an analysis for German inflected prepositions. Italian and may well be open to the same analysis. Hinrichs (1984) has, Other languages exhibit items that look like inflected prepositions in

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- [1] A question arises here as to whether the items listed in (9) are Ps or perhaps adverbs which can take PP complements, since these items can occur without a as in accanto alla casa 'beside the house'. that the object of the P be a pronoun. In fact, some of them require a following PP (with a resulting composite preposition, in traditional terms) if they have a complement (regardless of whether the object of the P is a pronoun or a full NP), but also PP complements (as in dopo di te 'after you'), sometimes with the proviso following NP (as in Vai dopo 'Go after') and can take not only NP complements,

must take an NP complement whether that NP be a pronoun or a full NP, and senza, which must take an NP complement except when the complement is a However, at least two items in (9) must be Ps and not adverbs: durante, which

pronoun and then must take a PP complement.

Thus, while it is certainly not clear that all the items in (9) are Ps, we cannot say all Ps in Italian are monosyllabic, because of the exceptional behaviour of durante 'during' and senza 'without'. For this reason we single out the monosyllabic Ps as having inflected forms.

[2] RNR moves N", not N or N', regardless of the analysis of inflected Ps.

(i) Compro e mangio il miglior cibo del mondo

 (ii) \*Compro il e mangio il miglior cibo del mondo

'I buy the and eat the best food in the world'

(iii) \*Compro il miglior(e) e mangio il miglior(e) cibo del mondo 'I buy the best and eat the best food in the world

[3] In fast speech one hears things like presempio for per esempio, for example. This is not an example of inversion before an article. If this is inversion at all, it's before a vowel. (Of course the most likely analysis is that of loss of the medial vowel of

[4] Pronouns are phonetically distinct for Case in Italian, but full NPs are not. Thus il medico 'the doctor', for example, has the same phonetic shape regardless of its

[5] Proper nouns can be introduced by an article in at least three situations. The first is when they are used as common nouns. For example, if we want to pick out a

certain Maria from a list of Marias, we might say la Maria che abbiamo incontrato ieri 'the Maria that we met yesterday'. In this usage the so-called proper noun can also appear with the demonstrative adjective and with an inflected P.

of Italian it is obligatory to use the article with a proper first name that is modified by an adjective and with a proper last name of a female if no other title appears. Third, proper names with titles appear with articles except when they are used name of a female (and, less commonly, of a male). Often this usage signals affection on the part of the speaker for the referent of the proper noun. And in all varieties Second, in some varieties of Italian, an article may be used with a proper first

as vocatives

hypothesis that inflected Ps belong to a grammatical class with articles and and with precisely the same restrictions and connotations. This fact supports the demonstrative adjectives. Inflected Ps can introduce proper nouns in exactly the same three situations

#### REFERENCES

Aoun, Joseph (1985). A grammar of anaphora. Cambridge, Mass.: MIT Press.

Aronoff, Mark (1976). Word formation in generative grammar. Cambridge, Mass.: MIT Press.

Chomsky, Noam (1973). Conditions on transformations. In S. R. Anderson & P. Kiparsky (eds.) A Festschrift for Morris Halle. New York: Holt, Rinehart & Winston.

Chomsky, Noam (1981). Lectures on government and binding. Dordrecht: Foris. Chomsky, Noam (1986). Barriers. Cambridge, Mass.: MIT Press.

George, Leland (1980). Analogical generalizations of natural language syntax. PhD dissertation, MIT.

Hinrichs, Erhard (1984). Attachment of articles and prepositions in German: simple cliticization or inflected prepositions? Working Papers in Linguistics, Ohio State University 29. 127-138.

Kayne, Richard (1981). Binding, quantifiers, clitics and control. In Frank Heny (ed.) Binding and filtering. Cambridge, Mass.: MIT Press. 191–212.

McCloskey, James & Ken Hale (1983). On the syntax of person-number inflection in Modern Irish. Natural Language and Linguistic Theory 1. 487-533.

Napoli, Donna Jo (to appear). Predication theory: a case study for indexing theory

Cambridge: Cambridge University Press.

Napoli, Donna Jo & Marina Nespor (1979). The syntax of word-initial consonant Nespor, Marina & Irene Vogel (1982). Prosodic domains of external sandhi rules. In gemination in Italian. Lg 55. 812-841.

tions. Vol. 1. Dordrecht: Foris. 225-255. Harry van der Hulst & Norval Smith (eds.) The structure of phonological representa-

Nevis, Joel (1986). Finnish particle clitics and general clitic theory. Working Papers in Linguistics, Ohio State University 34.

Piera, Carlos (1985). On the representation of higher order complex words. In posium on Romance languages. Amsterdam & Philadelphia: John Benjamins. 287-314. Larry King & Catherine Maley (eds.) Selected papers from the 13th linguistic sym-

Safir, Kenneth (1985). Syntactic chains. Cambridge: Cambridge University Press. Pranka, Paula (1983). Syntax and word formation. PhD dissertation, MIT

Zwicky, Arnold & Geoffrey Pullum (1983). Cliticization vs. inflection: English n't. Lg