Central coincidence: The preposition with

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In this paper, I examine the preposition with and its expression of the relation of central coincidence. The term central coincidence originates with Hale 1986, in which the terminal coincidence - central coincidence contrast parallels a basic semantic opposition that exists throughout language: the opposition between the dynamic, the change, and the stative, the static.

I argue here that with connects two arguments in a relation of central coincidence and show some of the unexpected interpretive consequences of this particular relation.¹

1. TERMINAL COINCIDENCE AND CENTRAL COINCIDENCE

A clear illustration of the terminal-central opposition can be found in the spatial realm:

(1) a. terminal coincidence: The person ran to the hill.
    b. central coincidence: The person stood on the hill.

In (1)a, the directional example, the end of the trajectory of the figure (the person) coincides with the place (the hill): there is a change in the location of the figure in relation to the place. In (1)b, the locational example, the two elements coincide (more or less centrally) in space.² The sentence describes an unchanging relation between the figure and the place.

I will assume a general definition of central coincidence as relating two entities in a constant, unchanging way. Thus, as Hale notes, while most instances of central coincidence are stative, and all statives involve central coincidence, the two notions are not interchangeable. Consider the examples in (2) (adapted from Hale 1986’s Warlpiri examples (5) and (6)):

(2) a. The horse ran along the river.
    b. Reeds grow along the river.

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² As Hale 1986 puts it: “The spatial coincidence in this case is ‘central coincidence’ in that, to the extent that it is physically and practically possible, given the nature of the figure and place and the specific stance or movement of the figure, the center of the figure coincides with the center of the place. (p. 239)”
In (2), the location of the figure, that is, its trajectory (2)a or its linear arrangement (2)b, corresponds throughout to (and to the extent practical, coincides ‘centrally’ with) the place. Thus, despite any motion on the part of the figure, the relation between figure and place remains constant: hence, central coincidence.3

The terminal-central opposition defines not only spatial, but also temporal and identity relations. Hale notes that the opposition is manifested variously throughout a grammar, such as in the meanings of case endings, complementizers, tense-aspect morphology and, of course, prepositions. Listed in (3) are some of the English prepositions that encode each of the two relations:

(3)a. encoding terminal coincidence: to, up to, onto, into, from, out of, off, of
b. encoding central coincidence: on, at, by, in, along, over, past, through, with

I limit myself in what follows to a preliminary exploration of the element that is, according to Hale & Keyser 2005, the prototypical preposition of central coincidence— the preposition with. In this initial foray, I build on the insights of linguists of varying stripes in an attempt to determine what with means and what its function is.

2. THE PROTOTYPICAL PREPOSITION OF CENTRAL COINCIDENCE

With is variously defined as expressing accompaniment, association, possession, instrument, manner, and simultaneousness. To briefly exemplify this, consider the following partial definitions of with from a variety of dictionaries:

a) accompaniment or proximity: the child you were with, a steak with a bottle of wine
b) having or possession: a shirt with a white collar, the man with a red moustache
c) instrument or means or material: cut it with a knife, fill the bowl with water
d) manner or circumstances: the children shouted with joy
e) proportion, relation or simultaneousness: the pressure varies with the depth

All of these definitions can be condensed into a single definition of accompaniment or simultaneousness, one type of a constant relation between two elements.

The typical accompaniment case is the comitative or associative use (as Seilor 1974 puts it: coexistence or copresence), involving the expression of some secondary participant. Three common comitative senses of with are shown in (4) (from Kidd & Cameron-Faulkner 2008).4

3 It seems to clearly follow that central coincidence is an atelic notion, with all the properties generally associated with atelic aspect; there will be little discussion of this here.
4 See Stolz 2001 for cross-linguistic distinctions among the realization of the various senses or functions.
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(4)a. I ate the pasta with Rufus. (accompaniment)
b. I ate the pasta with meatballs. (accompaniment)
c. I ate the pasta with a fork. (instrument)
d. I ate the pasta with gusto. (manner)

In principle, then, the same with-phrase can be interpreted variously. Consider, too, the range of interpretations of the with-phrase noted in Svenonius 2007:

(5)a. We sprayed the dog with tomato juice.
b. We left the dog with tomato juice.
c. We advertised the dog with tomato juice.

Svenonius argues that the with-phrase is interpreted differently, depending on the main verb. For this reason, he proposes that with itself has no semantic content and that its apparent complement is really an argument of the verb. Thus, he argues, the preposition should be viewed as a functional, rather than a lexical element.

Despite the similarities that could be argued to hold among the interpretations of these with-phrases, one could conclude from data like these that, at least in cases of secondary predication, with’s association and consequent interpretation are dependent on other elements in the sentence. I will assume, however, that the different interpretations are simply due to the various contextually-influenced readings of ‘accompaniment’; in this, extending a point made in Seilor 1974:

[…] it is precisely the function of the comitative… to leave unspecified the extent of participation in the action [of with’s complement. This noun phrase participates] in varying degrees: from mere ‘accompanying’ to ‘helping’ to full-fledged ‘partnership’.

In what follows, I present the rudiments of an argument against the functional view of with, proposing instead that with does indeed take two arguments, imposing a particular semantic interpretation on the relation between them.

2.1. With as main predicate

Consider cases in which there is no (semantically-contentful) verb that could be argued (à la Svenonius) to take with’s apparent object as its complement. At first glance, such cases seem rare, but checking with native speakers (6)(a-d) and the internet (6)(e-h), shows that occurrences of with as a main predicate are plentiful:

(6)a. Are you with or without luggage? (at hotel’s reception)
b. I am with a car today, so don’t need a lift.
c. My friend is with a jacket, but not a tie. (at entrance to strict restaurant)
d. Today, I am with my child.

5 For now, we can assume that cases of ambiguity are resolved according to which element the with-phrase is associated with structurally— and context, of course.
6 In Croft 1991, for example, these three uses are in the same class of thematic roles.
e. If he is with a gun, then it’s not Jesus.

f. He is with a hat and a red shirt.

g. If he is without a tie and jacket or a suit, he is generally attired in a Polo sweater.

h. A lot of people don’t understand why he is with an umbrella all the time.

These examples do seem to run counter to the claim that non-locative with cannot be predicative (found in, for example, Svenonius, Wechsler 1997, Levinson 2011): There is no semantic verb around to lend a thematic role to with’s complement in these sentences—or to the sentence subject, for that matter. Taking an uncontroversial stand that every (noun) phrase in a sentence must have some kind of interpretation, we are left with the default assumption: both of these noun phrases get an interpretation via with.7

So summarize at this stage: with, a relational element, connects its two arguments, henceforth the with-subject and the with-object, in a particular type of central coincidence: a locative relation of accompaniment. This particular relation of accompaniment is characterized by the dependence of the with-object on the with-subject; more specifically, by the dependence of the location of the former on that of the latter. In other words, the current location of the with-subject controls the accompaniment relation.8 (It would seem redundant to state that in cases of accompaniment, wherever the first element is, the second is. But as we see below, this statement has rather more interesting implications.) These points are summarized in (7).

(7) Interpreting with I:
   a. with expresses the central coincidence of two entities
   b. with’s two arguments are interpreted as in a locative relation of accompaniment
   c. with’s subject has locative control over this relation

2.2. With and possession

(7) is not a little reminiscent of definitions of possession (although not that of typical ownership): The elements of a locational relation and of control characterize many types of possession, as analyzed in, for example, Heine 1997, Stassen 2000, 2009, Viberg 2010, Levinson 2011, Erteschik-Shir & Rapoport 2011.9 For our purposes, the following are useful:10

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7 This, assuming that the copula has no semantic content and thus, takes no arguments.

8 I will not be discussing Levinson’s 2011 ‘animate location’ contexts, in which this direction of control does not necessarily hold:
   (i) a. (Where is the child?) The child is with John.
   b. John is with the mayor this afternoon.

9 I note the fact that, in his discussion of comitative, instrumental, and possessive markers cross-linguistically, Stolz 2001 claims that the attribute possessive use of with, as in a flower with three petals, is, at least, closely associated with the comitative use of with.

10 As we see below, the notion of control by the possessor over the possessee is not restricted to humans.
Possession:
A prototypical case of possession is characterized by the presence of two entities (the possessor and the possessee) such that
(a) the possessor and the possessee are in some relatively enduring locational relation, and
(b) the possessor exerts control over the possessee (and is therefore typically human). (Stassen 2009:15)

Physical possession: when possessor and possessee are physically associated with one another at reference time. (Heine 1997: 34)

Note, too, Viberg’s inclusion in the definition of physical possession of ‘availability for immediate use’.11

I conclude, then, that the relation that predicative with imposes on its arguments is one of a type of possession. The definitions of physical possession are particularly apt when we consider sentences like (6), which illustrate the association of the possession relation with the current discourse situation. This can easily be seen in contrasts such as that between (6)b, which necessarily involves only the temporary, physical possession of a car, and I have a car, which may or may not be relevant to the current situation. (And note the impossibility in English of the expression of general ownership by I am with a car or I am with luggage.)

However, the concepts of control and physical possession fail to capture a crucial aspect of the with-relation: The relation between the possessor/with-subject and the possessee/with-object is more constrained than mere ‘physical association’: the possessor’s control of the possessee is also restricted. It is not simply that the possessor controls (the location of) the possessee; rather, with requires that it be the possessor’s location itself that effects this control and so dictates the possessee’s location.

With’s characterization as defining an accompaniment relation can be seen in the following distinction:

(9)a. I am with a car now.
   b. #I am with a table now.

A car can, in principle, accompany a person wherever she goes, so (9)a, using with, is fine. But (9)b, which would seem to be appropriate when triumphantly called to my friends in a crowded café, is not. Despite the fact that the above criteria for physical possession are met, and despite locative control being possible (as it is in I have a table), the particular locative relation of accompaniment that is crucial to interpreting with is not (typically) found in this sentence: wherever one goes, a table does not (necessarily) go; (9)b is therefore unacceptable.

Taking the above discussion together with the previous characterizations of possession, we can restate (7) as (10).

11 Thus, note the following contrast:
   a. She has an umbrella with her. [= here and now]
   b. She has an umbrella.
(10) Interpreting with II:
With defines as (locative) accompaniment a central coincidence relation of physical possession.

Thus, with’s definition as a relation of accompaniment both specifies the basic, central coincidence characteristic of the preposition and modifies as locational the control that is characteristic of possession.

In what follows, I will consider the effect of with’s definition on the interpretation of the relation between the two elements it takes as arguments. In particular, I argue that (10) accounts for the holistic or Affectedness readings of certain with constructions in which, unlike the cases above, the (with-subject) possessor/controller is not human.

2.3. Predicative with in embedded clauses

In English, as it happens, the same element that expresses (concomitance and instrument as well as) the predicative relation of physical possession in main clauses expresses this relation in subordinate clauses as well. Consider the following examples of the locative alternation of, for example, Fillmore 1968, Fraser 1971 (examples based on Fraser 1971):

(11)a. We sprayed paint on the wall.
    b. We sprayed the wall with (the) paint.
(12)a. She loaded the boxes onto the wagon.
    b. She loaded the wagon with (the) boxes.
(13)a. She stuffed the clothes into the suitcase.
    b. She stuffed the suitcase with (the) clothes.
(14)a. The workers planted the trees in the garden.
    b. The workers planted the garden with (the) trees.

Loosely put, the (a) alternant describes the change of location of some element and the (b), with, alternant describes a location as having some element on or in it.12 A factor in my discussion is the assumption for both alternants of the complex structural analysis of Dowty’s 1979 accomplishments, here shown as roughly adapted from Erteschik-Shir and Rapoport (henceforth: ES&R) 1997, 2004, 2010, etc., together with the interpretations of each structure:

(15)a. [ we sprayed [ paint V on the wall ] ]
    = we caused paint to go onto the wall
    b. [ we sprayed [ the wall V with paint ] ]
    = we caused the wall to be with paint = we caused the wall to have paint on it

As Hale and Keyser (henceforth: H&K) 2005 claim, we have in (15)a a relation of terminal coincidence expressed by the terminal preposition onto: the

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12 This is Talmy’s 2000 example of Figure demoted and Ground promoted.
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paint moves to end up on the wall; and in (15)b, a relation of central coincidence, expressed by the central preposition *with*; the wall ends up having paint on it.13

In the (b) variant, the location is in the lower subject position, but is superficially the direct object. As is often suggested (see Tenny 1992), this correspondence is significant: the direct object, here the L-subject (to borrow and extend Dowty’s 2000 term), has an ‘affected’ or ‘holistic’ interpretation; the location is interpreted as being significantly affected by the action. Usually, this means that the L-subject in the (b) sentences is interpreted as being completely covered or filled by the theme. But at the very least, as Pinker 1989 puts it, there must be a ‘qualitative change’. When this interpretation is not possible, (b)-type sentences are ruled out. The (a) sentences, on the other hand, in which the location is a prepositional object and not characterized by Affectedness, are not similarly constrained. Consider the contrasts in the following examples (adapted from Fraser 1971):

(16)a. He crammed (stuffed, wadded) pencils/a pencil into the suitcase.
   b. He crammed (stuffed, wadded) the suitcase with pencils/*a pencil.

(17)a. They loaded boxes/a box/three boxes onto the truck.
   b. They loaded the truck with (?the) boxes/*a box/*three boxes.14

(18)a. The girl planted trees/a tree/three trees in the garden.
   b. The girl planted the garden with (?the) trees/*a tree/*three trees.

The (a) sentences are fine when the theme is realized by a bare plural, a singular or count noun, but the (b) sentences are restricted to (bare) plural themes since, as is usually assumed, only with such themes is the requisite holistic or Affectedness reading possible.

13 Mateu 2002 questions making the terminal-central distinction here, given the results of telicity tests on the (b) sentences, as exemplified by the following (this and other examples in Rowlands 2002):

(i) Jane loaded the truck with the piano in five minutes/*for five minutes.
   (a) The possibility of the endpoint-compatible *in*-adverbial and impossibility of the duration-compatible *for*-adverbial are taken by Mateu as evidence for the telicity of the (b)-type sentences. Mateu combines this with his and H&K’s 2005 suggestion that the central-terminal opposition be identified with the atelicity-telicity distinction and concludes, contra H&K, that both the (a) and (b) alternants involve terminal coincidence.
   However, one could easily argue that the telicity or atelicity of the sentences as a whole is irrelevant to the central coincidence relation in the lower clause. Furthermore, the sentences of (i) are not typical. Singular noun themes are possible in the (b) *with* alternants only if interpreted as producing a significant locative effect: pianos are big and cover a lot of truck. (And see the discussion below.) And even this effect is hard to push with other singular nouns, as (iib) demonstrates:
   (ii) a. Jane planted a huge tree in the tiny garden.
       b. #Jane planted the (tiny) garden with a huge tree.

And in fact, when a bare plural or mass noun is used, we do find, contra (i), the possibility of an atelic reading:

(i) The workers planted the garden with grass for five minutes/(in five minutes).

14 (17)b is possible under the interpretation that the box/es are large enough to fill, and so ‘qualitatively’ affect, the truck.
Affectedness has been argued by Tenny 1992 to be associated with an incremental theme or measurer, a function restricted to direct objects. In the (b) sentences of (16)-(18) the location is (at least, superficially) the direct object and thus is the argument that measures out and can delimit the action.\footnote{See Mateu 2002 for an argument that Affectedness is necessarily related to telicity.}

But let us now consider an alternative possibility: that the holistic property of the (b) sentences is not a question of syntactic position, but rather, a result of the imposition of *with*’s interpretation on its arguments.

3. POSSESSION AND THE HOLISTIC PROPERTY

An alternate approach to the holistic property takes the possession relation as a starting point.

ES&R 2010, for instance, argue that a possession interpretation is what yields the holistic effect. Following H&K 1993’s suggestion that the (b) sentences involve a possessive use of the preposition of central coincidence, ES&R propose that the possessor relation is derived by a combination of the presence of *with* and the identification of the L-subject, e.g. the wall, with the location component inherent in the meaning of the verb. Possession yields Affectedness: in order for an L-subject such as the wall in (11)b *We sprayed the wall with paint* to be considered a ‘possessor’ of the sprayed paint, there must be a significant amount of wall that has paint on it.

While this seems to me correct as far as it goes, I propose that the holistic interpretation of the (b), L-subject, sentences is due to more than a simple relation of possession. Rather, the holistic interpretation is due to the particular semantics of the preposition *with*; specifically, the interpretation of locative accompaniment that *with* imposes on its arguments. This results in the L-subject, the possessor, being the location that controls the location of the *with*-object, the possessee: wherever the wall is, the paint is, as it were.\footnote{Some evidence that the holistic property is indeed associated with *with* rather than with this sentence type is found in Hebrew, in which a (b)-type sentence containing a non-‘with’ preposition does not necessarily exhibit Affectedness (Segal, personal communication):}

(i)  Maraxti et ha-kir be-(ktsat) tseva
    Smear-1sg ACC the-wall in-little paint
    ‘I smeared the wall with (a little) paint.’

(i) is fine, even under an interpretation in which the wall is not ruined as a result of the paint smearing. See Segal 2008 for detailed discussion and analysis of both these and removal constructions in Hebrew.

\footnote{It is worth noting here Wechsler’s 1997 definition of *with* as “something like ‘become spatially contiguous as a result of active causation’.” For Wechsler, however, this ‘material’ *with* is not predicative and is to be distinguished from other senses of *with*.}
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The examples of (6) above show that when the controller of the accompaniment relation is human, its location dictates the location of the with-object. Here we see that when the controller of the relation is not human, the result is the same, but accompaniment yields a holistic interpretation (and the restrictions on the arguments that effect this). This is not a property of lower predication structures like those of (15) in general; (15)a (= (11)a), for example, has no such interpretation. Rather, in the (b) cases and the cases above, the interpretive effects are due to the relation of central coincidence that defines, in particular to that definition’s requirement of L-subject control.18

To continue with the proposal that the Affectedness interpretation is due to the influence of with, I turn now to a seemingly different type of with-construction.

3.1. Swarm with and black with: more cases of with’s subject as possessor

Consider the swarm sentences of (19)-(21), based on Salkoff 1983, and the black sentences of (22).

**swarm with sentences:**

(19)a. Bees swarmed in the garden.
   b. The garden swarmed with bees.
(20)a. Fireflies glowed in the field.
   b. The field glowed with fireflies.
(21)a. Ants crawled on the floor.
   b. The floor crawled with ants.

**black with sentences:**

(22)a. The floor was black with ants.
   b. The hills were white with snow.
   c. The cave was red with paint.
   d. The ceiling was black with soot.
   e. The rocks were green with moss.
   f. Her cheeks were wet with tears.

Both of these with-constructions display the holistic property: in both (21)b and (22)a, for example, the floor is interpreted as entirely covered with ants. As with spray/load sentences, the L-subject here (the garden/the field/the floor, etc.) is interpreted as filled, or covered, with bees/fireflies/ants, respectively. Thus, as expected, a singular with-object is not possible in the (b) sentences:

(23)a. A bee swarmed in the garden.
   b. #The garden swarmed with a bee.
(24)a. A firefly glowed in the field.
   b. #The field glowed with a firefly.

18 The L-subject has other functions; see ES&R 2011, in which the L-subject is argued to define the discourse stage.
(25)a. An ant crawled on the floor.
b. #The floor crawled with an ant.

(26)a. #The floor was black with an ant.
b. #Her cheek was wet with a tear.

The (b) sentences in (23)-(26) do not allow a holistic reading: one ant cannot cover, or significantly affect, a floor, for example. As with the spray-load type of locative alternation above, usually a bare plural or mass term must be used as theme.

As Dowty 2000 puts it with respect to swarm sentences, there must be enough extent, intensity, frequency and/or perceptual salience to categorize the location in a way relevant to current discourse. Hoeksema 2008 argues for a ‘high-degree’ interpretation. The abundance interpretation (associated with some predicates of Motion) stems from this total affectedness requirement: the characterization of the (entire) garden by the swarming of bees entails a lot of bees.

This, I suggest, is the same Affectedness/holistic property as above.

However, according to Dowty 2000 and Rowlands 2002, the apparent similarity of the spray/load construction type to the swarm with type is superficial. They claim that the holism effect has different causes in each construction and argue that the with-object in swarm is not an incremental theme or measurer of the type in spray/load. Rowlands notes that there is no change of state or change of location in these swarm constructions and that the theme is not ‘used up’ or ‘gone through’, as would be expected of an affected theme (particularly under Tenny’s 1992 view). This parallels Dowty’s point that the swarm action ‘fills’ the space denoted by the L-subject—but only in a stative sense. (Note, though, that in the black sentences we find no (semantic) verb at all, so obviously there is no linguistically-specified action that results in the filling up of space, in a stative sense or otherwise—and no incremental theme that measures out such an action.)

I claim here, though, that in fact, the holistic effect in both the spray-load and the swarm and black constructions is the same: both require that the L-subject be

19 I note at this point the black from sentence type, which is to be distinguished from black with. Thus, while we find similarities like those of (i), we also find the distinctions in (ii):

(i) The ceiling was black from/with soot.
   Her cheeks were wet from/with tears.

(ii) *The floor was black from ants.
     *The hills were white from snow.

In the black from construction, from’s complement is interpreted as the cause of the resulting adjective’s description. This is as opposed to black with, which relates to the current discourse situation. The contrast is illuminated by the following:

(iii) Her hair was grey from dust/with worry.
     Her hair was grey with dust/with worry.
     Her face was grey with dust/with worry.

(iv) The ceiling turned black from soot/*with soot.
     Her cheeks turned wet from tears/*with tears.
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covered or filled significantly because in both constructions, the location of *with*’s L-subject must spatially control the location of a second element: the theme must accompany the location along its spatial extent. Thus, it is not relevant whether or not an incremental theme measures out an action; what matters is the presence of *with*. In the swarm/black cases, the abundance or holistic interpretation is simply the result of the reading we get from the *with*-relation, the same Affectedness reading we find in the spray-load cases.

4. TOWARDS AN ANALYSIS

Throughout this paper, I have been claiming that the semantics of *with* are central to the interpretation of the sentence in which it appears.\(^{20}\) I have shown examples of the *with*-phrase as matrix predicate (see (6) above), I have presented cases in which *with* is the subordinate clauses’ main (semantic) predicate (spray/load’s (b) sentences), and have argued for *with*’s strong interpretive role in swarm-black constructions. The next step is the exploration of the possibility that in these last constructions, too, *with* is the main predicate.

Thus, as opposed to Svenonius’ and Dowty’s assertions that the preposition *with* is a functional element (Dowty claims that *with* is simply an expression of ‘means’, that the bees are the means by which the garden has the swarming property), I propose that not only is the *with*-relation a semantic one, but in the swarm and black constructions, it is the verb (swarm) or adjective (black) that is the functional element. All that is required of the verb/adjective used is that it be compatible with the holistic reading imposed by *with*. As we can see from the (b) examples of (19)-(21) and the examples of (22), the verb/adjective used simply picks out a salient property of the relevant theme (the *with*-object): ants crawl, ants are black. But the adjective or verb lends little to the basic sentence interpretation, which is something like (for example): “The floor was [ant/crawl/black] with ants.” Thus, it is not that the floor has a ‘crawling’ or a ‘black’ property marked by *with* or that (per Rowlands) the garden has the complex property of ‘swarming-with-bees’. Rather, the garden has a ‘with bees’ property, with all that *with* entails.

The functional analysis of the verb/adjective in swarm/black *with* sentences receives further support from the existence of a related sentence type, let’s term it fat *with*:

(27)a. The floor was thick with ants.
b. The air was thick with snow.
c. The room was heavy with perfume.
d. The fields were fat with corn.

The adjectives of (27) cannot be interpreted as directly describing their subjects (floors are not thick; fields are not fat).\(^{21}\) Still, these adjectives are not chosen at

\(^{20}\) Discussion of the secondary-predicate use of *with*, as in the comitative examples of (4), is beyond the scope of this paper.

\(^{21}\) Not unexpectedly, the *from* sentences are impossible with this adjective type, as the following comparison with (27) shows:
random. Each allows Hoeksema’s ‘distributed abundance’ result, yielding much the same interpretation for these sentences as for those above (compare (27)a with (21)b and (22)a.

An analysis for *fat* sentences in which the adjectives have a solely functional role seems even more clearly appropriate. Here, too, all that is required of the adjective is that it be compatible with a holistic reading, that is, that the floor, field, etc. be interpretable as filled/covered. (Note that we cannot find with *with* equivalent sentences expressing an opposite, non-holistic sense, such as *The ground was thin with snow*, despite good sentences like *Snow was thin on the ground.*) Compatibility with *with*’s requirements, then, is what constrains such sentences, so it is not surprising that they express what the *swarm with/black with* sentences do.

My view of the semantic superfluity of the verb/adjective in the *with* sentences of (19)-(21), (22) and (27) allows for two corollary possibilities: One is that it is the *with*-object, the theme, that is central to interpretation (and that *with*’s semantic contribution is more subtle than I have suggested so far). The other, the one that I am entertaining in this paper, is that *with*’s semantics are what is central to the sentences’ interpretation. Each of these possibilities receives some interesting cross-linguistic support, of which I offer a very brief taste in what follows.

(A) The *with*-object is the semantic core of the *swarm/black* sentences, which would thus have an interpretation equivalent to the following:

(28a) “The garden beed/was beeing.”
(28b) “The floor anted/was anting.”

Of course, such an analysis could be construed as dispensing (almost entirely) with *with*’s services (and the thesis of this article), but its focus away from what I am claiming to be a functional verb/adjective is nonetheless worth considering. In fact, (28) is what we find in Tahitian, as I have been informed by Claude Delmas, to whom I owe the facts and examples (from Peltzer and Lazard 2000:68) that follow:

(29a) *'Ua rō te pani*  
PERF ant the pan  
= has ant(ed) the pan  
= The pan has ‘ant-ed’.  
‘The pan is full of ants.’

(29b) *'Ua rō-hia te pani*  
PERF ant+RES/PASS the pan  
= has got-ant(ed) the pan  
= The pan got filled (filled itself) with ants.’

In both of these examples, the theme *rō* ‘ant’, the *with*-object in English, is used as the main predicate. In (29a), we find *rō* immediately following *'ua*, a

(29a) |
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*The floor was thick from ants.*  
The preposition *from*, obviously, does not have the properties of the preposition *with*.
perfective aspectual auxiliary or resultative marker (depending on context),
which is usually immediately followed by a verb. And in (29b), rō has the verbal
suffix hia, normally a passive marker (although here, according to Delmas (p.c.),
it is most likely an inchoative or resultative particle, there being no agent). In
both examples, then, the theme is in what is usually a V position, resulting in an
Affected interpretation: the pan is full of ants.

These examples illustrate the importance of the L-subject—theme (‘pan-ant’) relation, without the need for a grammatical intermediary. Next, let’s consider the alternative analysis:

(B) with is the main predicate. The swarm/black sentences would then be interpreted as in (30).22

(30a) ‘The garden was with bees.’ (= “The garden withed/was withing bees.”)
(30b) ‘The floor was with ants.’ (= “The floor withed/was withing ants.”)

This analysis takes on a different cast when considered in light of some facts of
Itelmen, which, according to Jonathan Bobaljik (p.c.), contains a transitive verb
meaning ‘to do together with’: čeł-. Consider the following examples (also
contributed by Bobaljik):

(31a) Kutx t'salaj Petenga k-čeł-qzuʔin ngikł-ki
K. fox P. PRTCPL-with-ASP-3SG.OBJ sleep-NFIN
‘Kutx slept with the fox Petenga’

(31b) phya-n n-čeł-qzu-z-neʔn kirftekt-ki
friend-PL 3PL-SUBJ-with-ASP-PRES-3SUBJ>3PL.OBJ talk-NFIN
‘The friends are talking (with each other)’
lit: Friends do.with them, talking.
= ‘Friends withed each other, talking’ (Georg & Volodin 1999:210)

Thus, a language in which an equivalent of with is used as, and the central
coincidence relation linguistically expressed by, a main verb. The existence of
such a language is not unexpected, given the analysis proposed here of English
with as main predicate.

The examples from Tahitian and Itelmen allow a glimpse into the analytical
possibilities of the preposition with and of with-type sentences. I have considered
one such possibility in this paper.

5. CONCLUSION

I have argued here, based on sentences in which with is obviously the main
predicate and based on spray/load, swarm/black and fat constructions, in which
with is analysed as the main predicate, that with is a semantic preposition, a
preposition that imposes on its two arguments a particular type of a central

22 Perhaps a reason the first option is not acceptable in English is that predicative with is (currently) possible only with the type of discourse-related locative control that animate subjects can exert.
coincidence relation of physical possession, that of locative accompaniment. The effects of this relation include (as shown for main clauses with a human possessor) the characterization of the possession relation relative to the current discourse situation and (as shown for embedded clauses with an inanimate possessor) the holistic (Affectedness) property.

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