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FUNCTIONAL COMPOSITIONALITY AND THE INTERACTION OF DISCOURSE CONSTRAINTS

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We argue for the existence of functionally complex constructions whose elements compositionally impose discourse-functional constraints on the use of the whole. In particular, we examine *th*-clefts (as in *That's John who wrote the book*), equatives with epistemic *would* and demonstrative subjects (as in *That would be John*), and simple equatives with demonstrative subjects (as in *That's John*). We show that, contra previous approaches, the latter two constructions need not be analyzed as truncated clefts. Rather, the properties that these constructions share with *th*-clefts can be straightforwardly accounted for as the sum of the constraints on their shared elements—that is, the equative construction, the demonstrative subject, and the presence of a contextually salient open proposition. The convergence of these elemental properties in each of these three constructions results in the possibility of the demonstrative being used to refer to the instantiation of the variable in the open proposition, which in turn predicts a complex of distributional behaviors shared by precisely the constructions that share these properties. Because these distributional behaviors can be straightforwardly explained in terms of this functional compositionality, the motivation for a truncated-cleft analysis disappears. These results support the view that not all functional properties must be learned on a construction-by-construction basis; instead, the discourse functions of an utterance are built up compositionally from those of its parts.*

1. INTRODUCTION. Research into functional constraints on syntactic constructions has often taken a construction-by-construction approach, examining the pragmatic constraints on the use of a single syntactic construction such as gapping (Levin & Prince 1986, *inter alia*) or on the use of a single lexical item such as the definite article (Birner & Ward 1994, Abbott 2004, *inter alia*). In other cases, researchers have sought broader generalizations across groups of constructions, as in studies of the use of preposing and postposing constructions to preserve the default ordering of given before new information within English sentences (Prince 1981, 1992, Birner & Ward 1998, *inter alia*). The focus of the current study is in the opposite direction—that is, on the basic components of a complex construction that give rise to its specific functional properties, and how these component functions interact to give rise to more complex sets of functional constraints on a given construction or family of constructions. In this article, we consider a set of constructions whose shared elemental properties give rise to a shared complex of pragmatic properties. The constructions we examine are *th*-clefts, equatives with epistemic *would* and demonstrative subjects, and what Hedberg (2000) and others have called TRUNCATED CLEFTS.

2. FUNCTIONAL COMPOSITIONALITY. In the form/function mapping that makes linguistic communication possible, presumably there are basic, elementary mappings, in which

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the form in question cannot be further broken down into smaller units with more basic functions. At the lexical level, the definite article is such a form, in that although it serves a specific discourse function (for discussion, see Birner & Ward 1994, Abbott 2004, *inter alia*), it cannot be divided into smaller units with more elemental functions of their own. The same indivisibility is presumably true of certain constructions involving an entire clause. Consider, for example, the gapping in 1.

(1) John brought the salad, and Mary the wine.

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Here, the felicity of eliding the verb in the gapped clause depends on that clause being interpreted as if it had the same verb as in the antecedent clause. Although the construction is obviously made up of smaller components (i.e. a subject and direct object), no such smaller component is responsible for the requirement of a previously evoked, similarly structured proposition containing the same verb with different arguments. Rather, the mapping between the gapping construction and this discourse requirement seems to be elemental at the clausal level.

Other constructions, however, are functionally complex, in that they are composed of more elemental constructions, each of which imposes a distinct discourse-functional constraint on the use of the whole. Consider, for example, 2.

(2) There are two O-rings around the seal, and on about five, perhaps half a dozen STS flights, *on each flight there are six seal areas, three segments, three breaks in each of two solids.* (Challenger Corpus)

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As described in Birner 1997, the italicized clause in 2 consists of a preposing (the preposed *on each flight*) in combination with the existential-*there* construction. Such sentences would appear, on the surface, to involve a reversal of arguments similar to that found in inversion, as shown in 3, which appears to differ from the construction in 2 only in the absence of *there*.

(3) . . . on each flight are six seal areas, three segments, three breaks in each of two solids.

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Formal and functional similarities between locative PP inversion, as in 3, and PP preposing plus existential *there*, as in 2 above, have led a number of researchers to treat the two essentially as variants of a single construction (Erdmann 1976, Breivik 1981, Penhallurick 1984, Freeze 1992, *inter alia*). Birner and Ward (1993) show, however, that the two are in fact functionally distinct, while Birner (1997) shows that the pragmatic constraint on the use of the construction in 2, comprising PP preposing and existential *there*, is precisely the sum of the pragmatic constraints on the use of these two component constructions. That is, the preposed PP must represent discourse-old information, satisfying the constraint on preposing in general (Ward 1988, Prince 1992, Birner & Ward 1998), while the postcopular NP of the existential must represent hearer-new information, satisfying the constraint on the use of the existential (Prince 1992, Ward & Birner 1995). In 2, *each flight* represents inferrable, and therefore discourse-old, information (Birner 1994), while the seal areas and so forth are hearer-new. This set of constraints is distinct from the constraint on felicitous inversion, which requires that the preposed constituent represent information that is at least as familiar within the discourse as the postposed constituent (Birner 1994). What is most relevant for our purposes is the finding that, while inversion is a single-construction subject to a single discourse-functional constraint, PP preposing with existential *there* is a combination of two distinct constructions, each of whose discourse-functional constraints must be satisfied. In this sense, then, PP preposing with existential *there* is what we call a FUNCTIONALLY COMPLEX OR FUNCTIONALLY COMPOSITIONAL construction—that is, one

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whose discourse constraints are built up straightforwardly from those of the smaller constructions of which it is composed.

The notion that families of constructions may share properties that they inherit from more elemental constructions is not a new one. There are a number of studies in which families of syntactically related constructions are shown to have related pragmatic functions as well; Välimaa-Blum (1988), for example, correlates word order and pragmatic function across constructions in Finnish, and Janda and Joseph (1999) treat the modern Greek negator as a ‘constellation’ of forms with individual shapes and functions too diverse to be considered one form and too unified to be considered entirely different forms. Goldberg and Del Giudice (2005) argue that the formal properties of subject-auxiliary inversion are motivated by ‘a family of closely related functions’ seen in such apparently diverse utterance types as yes/no questions, initial negative adverbs, comparatives, and exclamatives (see also Fillmore 1999). More generally, work in construction grammar (Croft 2001, Fillmore et al. 2003, inter alia) deals with inheritance relations among families of grammatical constructions, with these constructions constituting the primitive units of which sentences are built, and the constructions themselves contributing meanings beyond the meanings of the individual words. (See, for example, Michaelis & Lambrecht 1996 on English exclamatives, Kay & Fillmore 1999 on ‘What’s X doing Y?’, Goldberg & Jackendoff 2004 on resultatives, and Goldberg 1995 on several English constructions and inheritance relations in general.) In the case of PP preposing with existential *there*, the family resemblance is the result of both PP preposing and existential *there* each contributing its own discourse-functional constraint to the larger construction.

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In this article, we consider another case of functional compositionality, one involving three constructions that have not previously been considered to constitute a natural class: *th*-clefts, equatives with epistemic *would*, and so-called truncated clefts (Hedberg 2000). We show that each is a functionally complex construction in that the discourse-functional constraints on its use are derived from the constraints on the use of its elements. In doing so, we show that otherwise unexplained similarities among the pragmatic properties of these constructions can be attributed to similarities in the elemental components of the constructions. This analysis allows us to account for previously unrecognized similarities between epistemic-*would* equatives and the two other constructions, while at the same time suggesting that the relationship that holds between truncated clefts and *th*-clefts is based on functional compositionality rather than syntactic derivation of the former from the latter.¹

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In what follows, we first describe each construction’s syntactic components and basic pragmatic properties, after which we offer an analysis of the constructions’ derived properties.

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3. EPISTEMIC-WOULD EQUATIVES. In this section we consider a certain subtype of clause containing epistemic *would*, as exemplified in 4.

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¹ The term ‘functional compositionality’ as we use it here it not to be confused with the notion of ‘function composition’ as used in formal semantics. What is meant here is that the discourse-functional properties of a complex structure are determined by the functional and semantic properties of its component parts, that is, that the meaning and use of linguistic expressions are compositional at not only the semantic but also the pragmatic level. Thus, we are referring here to ‘functions’ in the discourse-functional sense—that is, uses to which a given construction is conventionally put—and to how those functions can combine to derive larger functions in a compositional manner. While the similarity to the formal-semantics term is perhaps regrettable, we retain our use of ‘functional compositionality’ on the grounds that the meaning of the term itself is compositional, and therefore relatively transparent.

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- (4) a. Q: Can you tell us if you recognize this clothing?

A: *That would be our standard attire*, correct. (Simpson transcripts, 2/7)

- b. Dad: Uh. . . Who's that boy hanging out in our front yard, Danae?

Danae: *That would be Jeffrey*, my not-so-secret admirer.

(‘Non Sequitur’ comic, Universal Press Syndicate, 3/3/02)

- c. Hi Bill, . . . I do have some answers for you. You asked about one person declaring all of the income on one property and one person taking all of the expenses. *The answer to that would be no*. (email, 11/14/2000)

Following Nuyts 2001, we take epistemic modality to mark the speaker's estimation of ‘the likelihood that (some aspect of) a certain state of affairs is/has been/will be true (or false) in the context of the possible world under consideration’ (2001:21–22). Thus, in each of the examples in 4, the speaker's use of *would* is epistemic in that it conveys his or her assessment of the truth of the proposition being expressed. More specifically, the use of *would* in each case conveys the speaker's high level of confidence in the truth of the proposition; that is, in each case the speaker commits to the truth of the proposition conveyed.

Epistemic uses of other modals similarly convey an assessment of the truth of the associated proposition, but the speaker's degree of commitment to the truth of that proposition will of course vary depending on the modal used. Compare, for example, 4b with the examples in 5.

- (5) a. That must be Jeffrey.

b. That should be Jeffrey.

c. That could be Jeffrey.

d. That might be Jeffrey.

The use of any of the modals in 5 conveys a lesser degree of speaker commitment to the truth of the proposition ‘That's Jeffrey’ than the use of *would* does in 4b. For example, the use of *must* in 5a suggests only that the proposition being expressed represents the result of some kind of calculation or logical deduction (Stone 1994, Birner et al. 2003); thus, the speaker's confidence in the truth of the proposition is only as strong as the evidence for that proposition. If the boy in 4b turns out to be someone other than Jeffrey, the speaker's use of *would* would indicate a commitment to a false belief, whereas the use of *must* in 5a would indicate only an error in the speaker's reasoning process.²

Moreover, the felicitous use of epistemic *would* requires that an OPEN PROPOSITION (in the sense of Prince 1986) be contextually salient (i.e. evoked or inferable) at the time of utterance (Birner et al. 2001). An open proposition, or OP, is a proposition that contains one or more unspecified elements, which are represented as variables. Corresponding to the utterances in 4, for example, are the OPs in 6.

- (6) a. THE CLOTHING IS X.

b. THE BOY HANGING OUT IN THE FRONT YARD IS X.

c. THE ANSWER TO THE QUESTION IS X.

In each case, the OP in 6 is required to be contextually salient for the felicity of the use of the corresponding epistemic-*would* utterance in 4. Thus, for example, the question

² There is empirical support for our claim regarding the high degree of speaker commitment to the truth of a proposition associated with the use of epistemic *would*. Ward and colleagues (2007) report on the results of a psycholinguistic experiment in which subjects were significantly more likely to rate epistemic-*would* utterances (e.g. *That would be Chris*) as conveying certainty than they were the corresponding utterances with main verb BE alone (e.g. *That's Chris*).

235 in 4b gives rise to the salient issue of the identity of the boy in the front yard (i.e. the
 236 OP in 6b), which in turn licenses Danae's utterance in 4b. In each case, the epistemic-
 237 *would* utterance provides the instantiation of the variable in the OP, and this instantiation
 238 constitutes the focus of the utterance and consequently receives nuclear stress.

239 An examination of the other epistemic modals reveals that *would* is unique in requir-
 240 ing a contextually salient OP for felicity. Consider a context in which B is reading the
 241 newspaper in the living room when A enters holding an envelope, and interrupts B's
 242 reading by uttering 7.

- 247 (7) a. #This would be my new Visa card.
 250 b. This should be my new Visa card.
 253 c. This had better be my new Visa card.
 256 d. This might be my new Visa card.
 259 e. This could be my new Visa card.
 262 f. This must be my new Visa card.
 g. This will be my new Visa card.

265 Here, the OP 'THIS (ENVELOPE) IS X' is not salient in the context, given that B cannot
 266 be expected to be attending to the envelope. In such a context, the use of epistemic
 267 *would* is infelicitous, while the use of the other epistemic modals is felicitous and may
 268 serve to direct B's attention to the envelope in question. Notice, however, that in a
 269 context in which B has first asked *What's that envelope you're holding?*, the OP in
 270 question becomes salient and 7a accordingly becomes fully felicitous. Thus, epistemic
 271 *would*, unlike the other epistemic modals, requires an appropriate salient OP for felicity.

272 Structurally, the epistemic-*would* construction consists of four elements: the subject,
 273 the modal itself, the verb (the copula or one of a very small set of other verbs; see
 274 below), and the postverbal material. The defining element, of course, is the modal; all
 275 of the other elements may vary. For example, in our corpus of 246 naturally occurring
 276 tokens of epistemic *would* gleaned from both spoken and written sources, we found
 277 that 79% of them (194) had the pronominal demonstrative *that* as subject (as in 4a
 278 and 4b above); nonetheless, other subjects are also possible, as illustrated with the
 279 nondemonstrative subject in 4c.³ Similarly, although by far the most common verb
 280 with epistemic *would* in the corpus is *be*, others are possible, as in 8.

- 285 (8) a. And that would bring us up to 2:02. (radio DJ, 3/22/04)
 b. They are both a Flea Bitten Grey. That would mean the speckles!
 (email, 4/14/04)

289 Such verbs, however, are rare (representing only 2% (5/246) of the verbs in our corpus).

290 The epistemic-*would* construction that we are most concerned with in this article is
 291 also by far the most commonly attested variant in our corpus; this construction has the
 292 demonstrative *that* as its subject, followed by epistemic *would* and equative *be*, as in
 293 4a and 4b.⁴ However, in what follows, it will be important to remember that the choice

1537 ³ Although the overwhelming majority of the examples with demonstrative subjects use the distal form
 1538 (*that*), the proximal form (*this*) is also found, as in (i–ii).

- 1539 (i) Hello, Mr. Gregory. This would be Bradley. (message left on voicemail, 1/9/2007)
 1540 (ii) We're standing in front of a large outbuilding in the yard. I can hear barking and yelping coming
 1541 from inside. It's a terrible noise.
 1542 "This would be the kennel," he says.

1543 (Carolyn Parkhurst, *The dogs of Babel*, Little, Brown, and Co., p. 172)

1544 ⁴ Although equative constructions have traditionally been treated as equating two definite NPs, we have
 1545 found that when the subject demonstrative pronominal is used to refer to the instantiation of a variable (as
 1546 described below), postcopular constituents of other phrasal types can also stand in an equative relationship
 1547 to this demonstrative. Consider the postcopular PP in (i).

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of subject and verb is not limited to *that* and *be*, respectively. Rather, speakers make these choices for specific communicative purposes, and these choices have discourse-functional consequences.

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4. CLEFTS. The literature on clefts has primarily focused on *it*-clefts (also known simply as ‘clefts’), exemplified in 9a, and *WH*-clefts (also known as ‘pseudoclefts’), exemplified in 9b, although others (Ball 1977, 1978, Hedberg 1990, inter alia) have also noted the existence of *th*-clefts, as in 9c–d.

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(9) a. A: Well, has the cat discovered the hamsters yet?

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B: The hamsters? Actually, *it's the dog that is enthralled with the hamsters*. (Switchboard Corpus)

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b. A: How long do you cook the meatballs?

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B: The meatballs you just, after you form them, fry them in a pan until they're browned on all sides and then drain off all the grease. Then *what I usually do is I freeze them*. (Switchboard Corpus)

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c. NF: . . . And then, one morning, about three or four or five mornings before I was due to get out, I was lying in bed and someone, one of, one my fellow soldiers came by and shook my bed and said, Come on Fredzo, get up . . . and the Sergeant himself said, ‘Leave him alone, he’s too short’.

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KF: Hmm.

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NF: I mean, the, *that was the platoon sergeant that said that*. I call that a pretty good guy. (Hedberg 1990:Ch. 4, ex. 12)

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d. A: The Secret Service did tell Kennedy they were receiving more credible death threats from Texas than usual and they recommended that he cancel that trip. Kennedy was convinced he would have needed Texas in the '64 election and chose to take his chances.

B: Lee—I was only kidding. Besides—do we really know *that was JFK that was shot* and not a stand in? Someone supposedly just saw JFK, Elvis and Bigfoot eating at Taco Bell in Horseheads, NY.

(<http://www.netshrine.com/vbulletin2/showthread.php?t=532&goto=nextoldest,6/15/04>)

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Like epistemic *would*, felicitous use of a cleft typically requires that an OP be contextually salient at the time of utterance (Prince 1978, 1986). Thus, the *it*-cleft in 9a is felicitous only in a context in which the notion of something or someone being interested in the hamsters to some degree (i.e. the OP ‘X IS INTERESTED IN THE HAMSTERS’) is salient,⁵ whereas the canonical word order variant—*the dog is enthralled with the hamsters*—has no such constraint on its use and could, for example, be used in a general conversation about pets and their idiosyncrasies. Similarly, the *WH*-cleft in 9b is felicitous only when the OP ‘I USUALLY DO X’ is salient, and this is clearly the case

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(i) A: Where is John now?

B: That would be in jail.

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Here, the relationship between the demonstrative and the postcopular material is the same as that between the subject and the predicate nominal in a traditional equative. For this reason, we use the term ‘equative’ for these cases as well.

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⁵ See Prince 1986 and Birner & Ward 1998 for the details of how the OP is constructed, and in particular the possible relations that are licensed between such elements as (in this case) ‘enthralled with’ and ‘interested in’.

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347 in the context of the speaker explaining how he or she makes meatballs; thus, the OP
 348 need not be explicitly evoked in the prior discourse as long as it can be assumed to be
 349 salient in context. In 9c the OP ‘X SAID THAT’ is clearly salient, and again, the italicized
 350 utterance would not be felicitous in the absence of this OP. Finally, in 9d the OP ‘X
 351 WAS SHOT’ is clearly salient in the context of death threats leading up to JFK’s visit to
 352 Texas. In each of the examples in 9, the postcopular constituent (*the dog* in 9a, *I freeze*
 353 *them* in 9b, *the platoon sergeant* in 9c, and *JFK* in 9d) instantiates the variable in the
 354 OP, constitutes the focus of the utterance, and receives nuclear stress.

355 There is one subtype of *it*-cleft in which the material in the relative clause need not
 356 be salient prior to the utterance of the cleft, which Prince (1978) calls an ‘informative-
 358 presupposition *it*-cleft’. This type is illustrated in 10.

(10) It was 200 years ago this month that Lewis and Clark reached the Pacific
 Ocean.
 (*Chicago Tribune*, 11/23/05)

362 Felicitous use of 10 does not require that the OP ‘LEWIS AND CLARK REACHED THE
 363 PACIFIC OCEAN AT X TIME’ be salient at the time of utterance; indeed, 10 is the first
 364 sentence of a newspaper article, and it could also felicitously begin a history lecture
 365 or a history textbook (in the latter case, replacing *200 years ago this month* with *in*
 366 *November of 1805*). Instead, this type of *it*-cleft takes advantage of the cleft’s basic
 367 function of presupposing an open proposition in order to present the material in the
 368 relative clause as presupposed and uncontroversial (Prince 1978). This use has no
 369 parallel among the other two types of clefts.⁶ There is, however, one class of *th*-cleft
 370 that does not require a salient OP—those cases in which the demonstrative is used as
 371 a spatial deictic, as in 11.

(11) Hey, that’s your cousin who’s sitting on the curb, isn’t it?

375 Such an utterance is felicitous even in the absence of a salient OP. We return to this
 376 point below.

377 Structurally, all three types of clefts are equative constructions. The *th*-cleft parallels
 378 the *it*-cleft in structure, in that the focused constituent precedes the relative clause.⁷
 379 Functionally, however, it more closely parallels the *wh*-cleft, in that it cannot be felici-
 380 tously used with an ‘informative-presupposition’ interpretation (as in 10). Thus, replac-
 381 ing *it* in 10 with *that* (i.e. *That was 200 years ago this month that Lewis and Clark*
 382 *reached the Pacific Ocean*) results in an utterance that is felicitous only when the OP
 383 ‘LEWIS AND CLARK REACHED THE PACIFIC OCEAN AT X TIME’ has already been evoked,
 384 for example, when someone has just asked what year Lewis and Clark reached the
 385 Pacific. In a context in which there is no salient OP (e.g. the first sentence of a textbook),
 386 the *th*-cleft variant is infelicitous.⁸

1561 ⁶ It’s true that some types of discourse permit strategic violations of discourse constraints for stylistic
 1562 effect; thus, a novel may begin *He turned the knob and entered the room*, without prior introduction of any
 1563 of these entities (and particularly violating the usual constraint on pronoun use, that is, that it represent
 1564 salient, topical information). However, newspaper articles and textbooks generally do not lend themselves
 1565 to this sort of *in medias res* beginning.

1566 ⁷ Although there are important differences between the presupposed constituent in a cleft and other relative
 1567 clauses, we follow Ward et al. 2002 in using the term ‘relative clause’ for both.

1568 ⁸ Both the syntax and pragmatics of the various types of clefts are complex in ways we have barely
 1569 touched on here. For example, we ignore the additional pragmatic differences between *wh*-clefts and *it*-
 1570 clefts, such as the latter’s greater felicity in contrastive contexts.

(i) What I’d like is a brandy.

(ii) It’s a brandy that I’d like.

1577 Whereas the felicity of the *wh*-cleft in (i) requires only the salience of the OP ‘I’D LIKE X’ (where X is a

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5. TRUNCATED CLEFTS. In addition to full *it*-clefts and *th*-clefts, there are so-called ‘reduced clefts’ (Büring 1998) or ‘truncated clefts’ (Hedberg 2000, Ward et al. 2002, inter alia), that is, clauses that appear to be structurally and functionally like clefts, only without a relative clause, as in 12.

(12) a. Tonight Keith and I were home hanging out in the apartment, eating our dinner and trying to watch this incomprehensible subtitled Indian film I brought home from the video store, when a knock came at the door. We were expecting a friend to drop by with some clothes for Zeke, so we figured *it was her*.

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(‘My life in 12-point font’, <http://www.12pointfont.com/02/120702.html>)

b. A: Me? I never wallow. I suffer in silence.

B: No, *that’s Christine*. (movie *Must Love Dogs*)

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The italicized clause in 12a corresponds to the full *it*-cleft variant *It was her who had knocked*, while B’s response in 12b corresponds to the full *th*-cleft variant *That’s Christine who suffers in silence*.

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On the face of it, such clauses have the same structure as a simple equative, as in 13.

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(13) A: Who’s that woman over there?

B1: *It’s Christine*.

B2: *That’s Christine*.

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That is, in both 12 and 13 we have a pronominal element, a copula, and a postcopular focused constituent. Thus, 12a,b are subject to two distinct possible analyses, one in which they are truncated clefts, as suggested by Büring (1998) and Hedberg (2000), and one in which they are simple equatives.⁹ Given the independent existence of simple equatives, the burden of proof lies with the analysis of 12a,b as clefts. In fact, in what follows we argue that the functional resemblances that might motivate an analysis of these cases as truncated clefts can be explained on independent grounds, thus undermining the cleft analysis.

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Notice that pragmatically, truncated clefts—like full clefts—typically require the presence of a contextually salient open proposition. However, in this case, the OP is required not for felicitous use of the sentence in general, but rather in order for the construction to be interpreted as cleft-like—that is, to have a felicitous full-cleft paraphrase. That is, given the structural similarity of the clauses in 12 to those in 13, it is the context—and specifically, the presence or absence of the appropriate OP—that determines whether an utterance like those in 13 is taken as cleft-like or as a simple equative. Thus, contrast 12b with 14.

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(14) [In coffee shop, to companion reading a newspaper]

Hey, *that’s Christine!*

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Whereas in 12b A’s question gives rise to the OP ‘X SUFFERS IN SILENCE’ and thus licenses an interpretation of B’s utterance as equivalent to ‘It’s Christine who suffers in silence’, in 14 the most natural reading, given the stipulated context, is not ‘That’s

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drink), the felicity of the *it*-cleft in (ii) requires additionally a contrast with some other salient drink; thus (i), unlike (ii), is felicitous in the context of a partygoer being asked what she’d like to drink, whereas both are felicitous if the partygoer has been offered a gin and tonic.

⁹ Büring argues for a reduced-cleft analysis only of clauses with *it* as subject; he raises but leaves unresolved the status of similar clauses with *that* in subject position, as in 12b. Stating that such constructions might be termed ‘demonstrative expletive constructions’, he goes on to observe that ‘the notion of a demonstrative expletive does not make any sense’. In our account, the demonstrative is in fact referential, not expletive.

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Christine who that woman is' but rather 'That woman is Christine', and on this interpretation the utterance is a simple equative. Thus, the sentence *That's Christine* is ambiguous between a simple equative and a truncated-cleft reading, with the latter requiring the presence of an appropriate salient OP.

In what follows, we discuss the ambiguity of the subject demonstrative in greater depth. We furthermore argue that the pragmatic properties of so-called truncated clefts fall out naturally from those of their components, and more specifically that any equative with demonstrative *that* as its subject will, in the context of a sufficiently salient OP, permit a cleft-like reading and show a range of cleft-like properties, due to having the same elemental components (and thus the same basic pragmatic properties) as full clefts.

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6. COMMONALITIES AMONG THE CONSTRUCTIONS. Having taken a brief look at the three constructions in question—epistemic-*would* equatives, clefts, and certain equatives that have been described as truncated clefts—we are now in a position to investigate a set of basic properties shared by a subset of each of the three construction types. This shared set of properties consists of a demonstrative subject, equative syntax and semantics, and a contextually salient open proposition for which the postcopular constituent instantiates the focus. As we have seen above, not all instances of the construction types in question exhibit all of these properties: There are epistemic-*would* sentences with nondemonstrative subjects (as in 4c) or noncopular verbs (as in 8), there are clefts with nondemonstrative subjects (as in 9a), and there are equatives that neither have a demonstrative subject nor require a salient OP (as in, for example, *He's Mr. Lachman*). However, within each construction type, there is a subset that is characterized by a demonstrative subject, equative syntax and semantics, and the appropriate contextually salient OP, as illustrated in 15.

- (15) [context: a knock at the front door]
a. That would be Christine.
b. That's Christine who's at the door.
c. That's Christine.

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Example 15a is a subtype of the epistemic-*would* construction that, following our previous work (Birner, Kaplan, & Ward 2001, 2003; Ward, Birner, & Kaplan 2003; Ward, Kaplan, & Birner 2007), we are calling 'TWBX', in view of the fact that it takes the form *that would be X*, where the instantiation of X is the focus of the utterance. The construction in 15b is what, following Ball (1977, 1978), we are calling a *th*-cleft; these are characterized by a demonstrative subject, an equative, a postcopular constituent instantiating the variable of the OP, and a relative clause. Finally, the construction in 15c is what we call a *th*-equative. Like the *th*-cleft, it has a demonstrative subject, an equative, and a postcopular constituent; unlike the *th*-cleft, however, it lacks a relative clause. Moreover, like *th*-clefts, the *th*-equative construction does not require an OP in contexts of spatial deixis, as illustrated in 14 above. As we show below, only when the appropriate OP is salient do the *th*-cleft and *th*-equative constructions take on a particular set of pragmatic properties that are shared with TWBX.

The notion that clauses like that in 15c are equatives at all is not uncontroversial. Higgins (1979) distinguishes four types of copular clause—predicational, specificational, identity (what we are calling 'equative'), and identificational—with the 'identificational' category including both *th*-equatives (*that's Christine*) and what Mikkelsen (2005) calls 'demonstrative equatives' (*that woman is Christine*). Mikkelsen eliminates the identificational category, taking *th*-equatives (which she terms 'truncated clefts')

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to be specificational—hence not equatives at all—and demonstrative equatives to be equatives proper. We maintain that Higgins was right to categorize the two together; however, it is our contention that both types belong in the equative class. We adopt Mikkelsen’s classification scheme, in which predicationals have subjects of type $\langle e \rangle$ and complements of type $\langle e, t \rangle$, specificationals have subjects of type $\langle e, t \rangle$ and complements of type $\langle e \rangle$, and equatives have both subjects and complements of type $\langle e \rangle$. Because, as we argue below, the subject of *That’s Christine* is referential, that is, of type $\langle e \rangle$ (and so is the complement, uncontroversially), the clause is equative rather than specificational.

Whether clauses such as that in 15c are correctly classed as specificational or equative, then, hinges entirely on whether the subject demonstrative pronoun is of type $\langle e, t \rangle$, as Mikkelsen maintains, or of type $\langle e \rangle$, as we maintain—that is, whether it denotes a property or an entity. For Mikkelsen, the demonstrative pronoun in 15c must be property-denoting, since for her demonstrative pronouns in general are disallowed for human referents, as shown in 16.

- (16) [pointing to previously unnoticed person]
a. #Christine is that!
b. #That’s wearing too much makeup.
c. #I talked to that yesterday.

Mikkelsen is able to maintain a general prohibition against the use of demonstrative pronouns for human referents by taking the demonstrative in 15c to be property-denoting, that is, of type $\langle e, t \rangle$. However, notice that this account leaves no explanation of the infelicity of 16a. That is, if the demonstrative in 15c is property-denoting, presumably the demonstrative in 16a is as well, and there is then no explanation for its infelicity. Given the clear difference in felicity between 15c and 16a, we are left with a choice between (i) maintaining that the prohibition against the use of demonstrative pronouns for human referents is absolute and that the demonstrative in 15c is property-denoting, and (ii) arguing that the prohibition against demonstrative pronouns in reference to humans simply does not hold in the case of equative subjects. The first solution leaves us with the problem of explaining why the demonstrative is infelicitous in 16a: If we want to say that the demonstrative here, like that in 15c, is property-denoting, we need to stipulate what further constraint prohibits the use of this property-denoting *that* in the context of 16a; if, instead, we want to say that the demonstrative in 16a is referential, we are left with the task of explaining (in a noncircular way) why it is that the use of the demonstrative in subject position in 15c is property-denoting while the otherwise identical complement used in 16a is referential. The simplest course, we argue (following Maclaran 1982, *inter alia*), is to take the route in (ii)—that is, to simply note that, for unclear reasons, the prohibition against the use of demonstrative pronouns for human referents is relaxed in the case of equative subjects. The subject of a *th*-equative, therefore, is most straightforwardly analyzed as referential; hence, within Mikkelsen’s categorization system, these clauses (along with TWBX and *th*-clefts) are equative.

All three constructions, then, share the formal features of the demonstrative subject and the equative. And it is the combination of the demonstrative, the equative, and the OP that gives rise to the complex of pragmatic behaviors that we consider next.

7. AN ANALYSIS OF TWBX. A speaker is motivated to use TWBX by the simultaneous presence of three communicative purposes: to convey commitment to the truth of the proposition expressed (via epistemic *would*), to mark the postcopular constituent as instantiating the focus in a salient OP (also via epistemic *would*), and to equate this

556 postcopular focus with either some salient discourse entity or simply with the variable
557 itself (via the demonstrative subject and the equative), as we demonstrate below.¹⁰

558 As noted above, an epistemic modal is one that marks the speaker's assessment of
559 the likelihood of some state of affairs holding in some possible world, with *would*
560 marking a higher confidence level than other epistemic modals. In addition, epistemic
561 *would* requires a contextually salient OP. As shown above in §3, *would* is unique among
562 the epistemic modals in imposing this requirement. Moreover, this requirement is spe-
563 cific to the modal itself, not to the TWBX construction (Ward et al. 2003); that is, all
564 clauses with epistemic *would*—with or without a copula and with or without a pronomi-
565 nal subject—share the OP requirement, as illustrated in 17.

- 571 (17) a. They are both a Flea Bitten Grey. That would mean the speckles! [= 8b]
b. Recently I saw a photo of a protestor at the Federal Building in Westwood carrying a sign that read, 'CIA, what assets are we going to war for?' I believe *those assets would be life, liberty, and the pursuit of happiness.*
(letter to the editor, *LA Times*, 10/13/01)

577 Given that 'flea bitten grey' is not a commonly known term, its mention in the first
578 sentence of 17a gives rise to the OP 'FLEA BITTEN GREY MEANS X'. In 17b, in the context
579 of the question addressed to the CIA, the OP 'THE ASSETS WE ARE GOING TO WAR FOR
580 ARE X' is clearly salient, and the italicized clause serves to instantiate the variable in
581 the OP. In the absence of this salient OP, the utterance would be infelicitous.

582 Thus, the OP requirement is inextricably tied to the use of epistemic *would*, while
583 the other two elements of TWBX—the demonstrative subject and the equative—are
584 not. When all three elements cooccur, however, their cooccurrence gives rise to an
585 interesting state of affairs: the combination of a contextually salient OP and an equative
586 produces the possibility of using a demonstrative subject to refer deictically to the
587 instantiation of the variable of the OP, and equating it, via the equative, with the
588 postcopular focus. This is illustrated in 18.

- 593 (18) a. A [holding cup]: Whose is this?
B: *That would be my son.* My youngest son, to be exact.
596 (conversation, 2/4/01)
OP: 'THIS CUP BELONGS TO X'
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601 b. GW: What is the per minute charge to Italy?
603 Operator: Do you have the one-rate plan?
605 GW: I'm not sure—can I find out through you?
Operator: No, *that would be . . . 1-800-466-3728.*
608 (conversation with AT&T operator, 6/23/01)
OP: 'YOU CAN FIND OUT THROUGH X'
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613 c. Villager [in reference to an ogre]: He'll grind your bones for his bread!
615 Shrek: Actually, *that would be a giant.* (movie *Shrek*)
OP: 'THE CREATURE THAT GRINDS YOUR BONES FOR HIS BREAD IS X'
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620 d. A: The pot's light.
622 B: *That would be me.* [tosses in a chip] (poker game, 1/31/03)
OP: 'THE PERSON WHO FAILED TO ANTE IS X'

1585 ¹⁰ The TWBX construction is to be distinguished from utterances like *That would be a shame*, which on
1586 their conditional reading neither contain epistemic *would* nor are equative in meaning.

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e. A: These Bocaburgers have not an ounce of fat in 'em.

B: *That would be the soy.* (conversation, 6/1/04)

OP: 'NOT HAVING AN OUNCE OF FAT IN THEM IS DUE TO X'

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(19) a. I bet you haven't heard *this* story. (Levinson 1983:85, ex. 88)

b. *That* was the funniest story I've ever heard. (Levinson 1983:85, ex. 89)

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Speakers can also refer to abstract entities in a discourse model, including elements of the discourse, such as propositions and speech acts, as in 20.

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(20) A: I've never seen him.

B: *That's* a lie. (Lyons 1977:668, cited in Levinson 1983:87)

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¹¹ We have seen above (in 15c and 16a) that the constraint against using demonstratives for human referents in nonsubject position results in certain equatives not being reversible (compare *That's Christine* with *#Christine is that*). Cases in which the demonstrative is used to refer to the instantiation of the variable of an OP are also typically unable to be felicitously reversed in context; that is, there is a marked difference in acceptability between (i) and (ii).

(i) Q: What are we having for dinner?

A: That would be pizza.

(ii) Q: What are we having for dinner?

A: #Pizza would be that.

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Given that the relevant OP is necessarily salient, that fact could explain why it occurs obligatorily in subject, or topic, position rather than in predicate, or focus, position. That is, given that the two positions in an equative, subject and predicate, will generally align with topic and focus positions, respectively, the variable will align with the topic, that is, subject, position, since it's part of a salient OP. We thank *Language* associate editor Laura Michaelis for bringing this possibility to our attention.

673 This ‘impure textual deixis’ (Lyons 1977:670) carried out by Speaker B’s *that* is a
 674 reference to the speech act carried out by speaker A, which is an entity in the discourse
 675 model. Open propositions are also abstract entities in a discourse model, and they
 676 themselves introduce entities into the discourse model that can be referred to deictically.¹²
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678 This ability to use a demonstrative subject to refer to the instantiation of the OP
 679 variable gives rise to three predictions, which we discuss in turn. First, this account
 680 predicts that examples such as those in 18 will be systematically ambiguous between
 681 the reading on which the demonstrative is used to refer to the instantiation of the
 682 variable and a reading on which it either takes some previously evoked entity as its
 683 referent or has deictic reference to some entity in the world. As usual, context will
 684 generally disambiguate. Thus, the *that* of *That would be my son* in 18a could, in a
 685 context in which the son in question has just entered the room, be taken deictically.
 686 Not all contexts, however, disambiguate; in a context that provides a plausible discourse
 687 referent, for example, the demonstrative may remain ambiguous.

- 693 (21) a. [King dips his finger in a bowl held by a servant and then licks the food
 694 off his finger and proclaims it delicious.]
 695 King: What do you call this dish?
 696 Servant: *That would be the dog’s breakfast.* (movie *Shrek 2*)
 697 OP: ‘YOU CALL THIS DISH X’
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- 706 b. A: I’m looking for the name of a magician. He works in Hawaii and just
 finished a lecture tour in the US and Canada. One of the routines in
 his lecture included a display of a regular size penny, then using a
 magnifying glass the penny would get bigger and bigger up to 3
 inches. Who is this magician?
 B: *That would be Carl Andrews*, and the trick you are referring to is
 Gregory Wilson’s Dishonest Abe. Mr. Andrews’s handling is stream-
 710 lined for table-hopping. (electronic mailing list, 9/8/00)
 OP: THIS MAGICIAN IS X’

712 In 21a, the demonstrative *that* in the italicized clause is referentially ambiguous: It can
 713 be used to refer to the instantiation of the variable in the salient OP ‘YOU CALL THIS
 714 DISH X’ or to the salient dish. In the first case, TWBX provides the name of the dish
 715 (and thus is paraphrasable as *We call this dish the dog’s breakfast*), whereas in the
 716 second it provides the identity of the discourse entity evoked by the NP *this dish* (and
 717 thus is paraphrasable as *That dish is the dog’s breakfast*). In 21b, the demonstrative is
 718 ambiguous in exactly the same way: its referent can be either the instantiation of the
 719 variable in the salient OP ‘THIS MAGICIAN IS X’, with the italicized clause then providing
 720 the identity of X, or the referent of the phrase *this magician*, with the italicized clause
 721 then providing the identity of the magician. In this case, the difference is more subtle,
 722 because the OP is itself an equative; hence, since X and *this magician* are equated in
 723 the OP, the difference in meaning between the two readings is minimal.

724 The second property that arises from the possibility of demonstrative reference to
 725 the instantiation of the OP variable is an apparent number disagreement. Consider the
 726 examples in 22.

1607 ¹² This account is similar in spirit, if not in detail, to that of Mikkelsen (2005), who as noted above takes
 1608 the demonstrative subject of a *th*-cleft to denote a property. In our account, the demonstrative subject in
 1609 each of the three constructions under discussion is referential, with the OP providing the properties ascribed
 1610 to the referent.

- (22) a. One of the best mulches is composted leaves, so good for the garden, the flower bed, and a wonderful amendment to the soil. Also, here's hoping you won't burn your leaves, wasting them, despite the fact that burning them is illegal in most Illinois counties—*that would be the populated ones*, like Cook, DuPage, Lake, e.g. (email, 4/24/01)
 OP: 'THE ILLINOIS COUNTIES IN WHICH BURNING LEAVES IS ILLEGAL ARE X'
- b. No, I'm sorry, but I must disagree with the observation that cats are energy sinks. *That would be children under the age of . . . say 12.* (email, 06/06/01)
 OP: 'X ARE ENERGY SINKS' [i.e. 'X ARE THINGS THAT DRAIN YOUR ENERGY']
- c. By the way, I heard your names (*that would be you and Andy*) on NPR yesterday . . . happy anniversary! (email, 6/26/02)
 OP: 'I HEARD THE NAMES OF X'

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In each of these examples, the demonstrative's only plausible antecedent in the prior discourse is plural—*most Illinois counties* in 22a, *energy sinks* in 22b, and *your names* in 22c—and as would be expected, the postcopular NP in each case is also plural. However, instead of the plural distal demonstrative *those*, in each case in 22 the demonstrative appears in the singular. The reason these examples are acceptable seems to be that the demonstrative is not, in fact, being used to refer to the plural entity evoked in the prior discourse, but rather to the (singular) discourse entity that instantiates the variable in the OP.¹³ For example, associated with the TWBX utterance in 22a is the OP 'THE ILLINOIS COUNTIES IN WHICH BURNING LEAVES IS ILLEGAL ARE X', where X represents some set of Illinois counties. The utterance with epistemic *would*, then, instantiates the variable, equating X with the set of populated counties. Similarly, in 22b, the OP is 'X ARE ENERGY SINKS', and the proposition conveyed by the utterance is 'X = children under the age of 12'; and in 22c, the OP is 'I HEARD THE NAMES OF X', and the utterance conveys 'X = you and Andy'. Since it is a singular variable that is being instantiated (regardless of the cardinality of its instantiation), the singular demonstrative is appropriate. Notice also that selection of a singular or plural demonstrative will disambiguate what might otherwise have been a referential ambiguity of the sort described above. Consider 23.

- (23) The show started on ABC as Two Guys, A Girl And A Pizza Place. The show centered on three young characters just starting out in life—*that would be the two guys and a girl.* (<http://www.poobala.com/twoguysandagirl.html>)
 OP: 'THE THREE YOUNG CHARACTERS JUST STARTING OUT IN LIFE ARE X'

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Here, the selection of the demonstrative *that* forces a reading on which the demonstrative takes the instantiation of the variable as its referent. If *that* is replaced with *those*, however, the resulting utterance—*those would be the two guys and a girl*—forces a

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¹³ An referee argues that since a variable in an OP is neither a linguistic expression nor an object in the real world, there is no prediction about what number a coreferential pronoun would bear. But singular is the default and unmarked number for something unknown: WH-words in questions take singular verb agreement, even when a plurality is the likely instantiation. Consider, for example, (i)–(iii).

- (i) Who is coming to the party?
 (ii) Who is on the committee?
 (iii) What lives in large underground colonies and eats wood? (Termites.)

In all of these examples, the singular is strongly preferred, if not required. Making the plausible assumption that an OP variable instantiation is understood as singular allows a straightforward account of singular *that* in examples like 22 (and 23 below).

778 reading on which the demonstrative takes as its antecedent the constituent *three young*
 779 *characters just starting out in life*. Thus, an apparent number disagreement that would
 780 be otherwise unexplained falls out naturally from an account that acknowledges the
 781 possibility of the demonstrative being used to refer to the instantiation of the OP's
 782 variable.

783 The third otherwise puzzling property that can be explained in terms of demonstrative
 784 reference to the variable is the possibility of an apparent disagreement in tense. Notice
 785 that when TWBX is used in reference to an event in the past, this past time reference
 786 may or may not be reflected in the verb complex.¹⁴

- 791 (24) a. 'Where'd you get the new shingles? They're a perfect match'.
 He examined the shingles in his hands, as if noticing this for the first
 time, and then called back, 'Well, they ought to be, they're all from the
 795 same lot. I bought two hundred extras when I put this roof on'.
 797 'When was that'? I asked.
 He looked up at the clouds. I don't know whether he was divining the
 weather or the past. 'Right after the war', he said. '*That would have been*
 801 *forty-six*'. (Barbara Kingsolver, *Animal dreams*, Harper Collins, 1990, p. 275)
 803 OP: 'I PUT THIS ROOF ON AT TIME X'
 b. Sabrina: Do you remember a rainy afternoon we spent together? My
 807 father had driven your mother and David into town for a music lesson.
 809 Linus Larrabee: How old was he?
 811 S: I don't know . . . Fourteen, fifteen.
 813 L: *That would be the oboe*. (movie *Sabrina*)
 OP: 'DAVID WAS TAKING LESSONS IN X AT THAT TIME'

815 In 24a, the demonstrative in the final clause is coreferential with the earlier demonstra-
 816 tive *that*; both are used to refer to the time when the roof was put on. Because the
 817 referent is a past time, this is realized in the verb complex via *have been*. In 24b,
 818 however, despite the fact that the speakers are discussing a past-time event, the final
 819 clause contains *be* rather than *have been*.

820 The explanation mirrors the explanation given above for the apparent number mis-
 821 match. Because the demonstrative can either take as its antecedent a previously evoked
 822 constituent or be used to refer to the instantiation of the OP variable, the clause as a
 823 whole can be taken to be making an assertion either about the past event or about the
 824 present instantiation of the variable. That is to say, in 24a the use of *have been* indicates
 825 that the antecedent of *that* is *when I put this roof on* and that the entire clause may be
 826 interpreted as '(the time) when I put this roof on was forty-six', or, more simply, 'I
 827 put this roof on in forty-six'. In 24b, on the other hand, the use of simple present-tense
 828 *be* indicates that the clause is describing a present-tense occurrence, specifically the
 829 instantiation of the variable. Thus, the demonstrative in 24b is being used to refer to
 830 the instantiation of the variable in the salient OP 'DAVID WAS TAKING LESSONS IN X AT
 831 THAT TIME', and the entire clause may be interpreted as 'X is the oboe'.

833 Notice that 24a is equally acceptable with *be* replacing *have been*.

- 836 (25) A: When did you put this roof on?
 B: *That would be 1946*.

1627 ¹⁴ We also were able to find many examples of temporal mismatches for *it*-clefts, such as that given in
 1628 (i).

1 (i) It is in 1977 that both Atari and Kraftwerk made their first true strides towards electronifying their
 fields. (<http://www.fakejazz.com/reviews/2002/nanoloop.shtml>)

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In this case, *that* is interpreted as having as its referent the instantiation of the variable in the OP ‘I PUT THIS ROOF ON AT TIME X’, and B’s utterance serves to instantiate the variable. Since this instantiation occurs at the time of utterance, the present tense is felicitous.

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8. AN ANALYSIS OF *th*-CLEFTS. Like TWBX, clefts have the form and meaning of an equative, and as with TWBX, the combination of a salient OP and the equative gives rise to the possibility of using a demonstrative subject to refer to the instantiation of the OP variable, which is then equated with the postcopular constituent. For example, consider 26.

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(26) A: The KKK is consistently hateful.

B: I thought they were working on their kinder, gentler image—kind of like compassionate hatred.

C: . . . [T]hat’s *George Bush who is practicing compassionate hatred*.

(<http://www.majorityreportradio.com/weblog/archives/001292.php>)

OP: ‘THE ONE PRACTICING COMPASSIONATE HATRED IS X’

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In 26, the demonstrative doesn’t take a previously evoked constituent as its antecedent; rather, it is being used to refer to the instantiation of the variable in the OP ‘THE ONE PRACTICING COMPASSIONATE HATRED IS X’. Notice that while the *it* of an *it*-cleft has generally been viewed as nonreferential (but see Hedberg 2000 for an alternative view), the demonstrative in a *th*-cleft is clearly referential.

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Because the demonstrative *that* may be used to refer to the instantiation of the variable, *th*-clefts with *that* exhibit the same three properties that we saw above with TWBX, namely ambiguity, apparent number disagreement, and apparent tense disagreement. For example, 27 below illustrates the same sort of ambiguity seen above with TWBX.

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(27) A: Who’s the one practicing compassionate hatred?

B: *That’s George Bush who is practicing compassionate hatred*.

OP: ‘THE ONE PRACTICING COMPASSIONATE HATRED IS X’

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Here, *that* can be interpreted two ways: either it takes the instantiation of the variable in the OP as its referent, as in 26 above, or it takes as its antecedent *the one practicing compassionate hatred* from A’s utterance. However, this difference is again very subtle, because (as with the TWBX in 21b above) the OP ‘THE ONE PRACTICING COMPASSIONATE HATRED IS X’ is itself an equative. Since the OP equates the instantiation of the variable and the person in question, the choice between one or the other as the interpretation of the demonstrative makes very little difference in meaning. To put it another way, B’s utterance in 27 equates *that* with *George Bush*; since the salient OP already equates the variable and the one practicing compassionate hatred, it matters very little which of these is being equated with *George Bush*. Thus, either choice results in the same three-way equation of the definite description, the proper name, and the demonstrative.

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Similarly, the use of the demonstrative to refer to the instantiation of the variable results in the same sort of apparent number disagreement in *th*-clefts that we saw above for TWBX. For example, consider 28.

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(28) A: Is it true that the officials who are resigning are the President and the CEO?

B: No, *that’s the top three members of the Board of Directors who are resigning*.

OP: ‘THE OFFICIALS WHO ARE RESIGNING ARE X’

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Here, the demonstrative is singular (as is the copula, in agreement with the demonstra-

898 tive), yet the postcopular NP is plural. Again, as with TWBX, this result is unsurprising
 899 under an account in which the demonstrative takes the instantiation of the OP variable
 900 as its referent. Because this variable is singular, we expect the demonstrative to be
 901 singular as well, as it is here.

902 Notice that a plural demonstrative would also be acceptable in this context:

903 (29) A: Is it true that the officials who are resigning are the President and the
 907 CEO?

B: No, *those are the top three members of the Board of Directors who are resigning.*

910 Here, the demonstrative is not being used to refer to the instantiation of the variable
 911 in the OP, but rather to the officials who are resigning. This provides further evidence
 912 for the ambiguity discussed above, since, as in 23 above, the choice of a singular vs.
 913 plural demonstrative in 28–29 again determines whether the demonstrative is inter-
 914 preted as being used to refer to the instantiation of the (singular) variable or to the
 915 referent of the plural NP.¹⁵

916 We also see in *th*-clefts the same sort of apparent tense disagreement that we saw
 917 above with TWBX. That is, because the OP is being instantiated at the time of utterance,
 918 when the demonstrative is used to refer to the instantiation of the variable and the cleft
 919 serves to equate this discourse model entity with the postcopular constituent, the main
 920 verb can be in the simple present. Thus, corresponding to the present-tense TWBX in
 921 25 above is the *th*-cleft in 30.

922 (30) A: When did you put this roof on?

923 B: Let's see . . . *that's 1946 that I put this roof on.*

OP: 'I PUT THIS ROOF ON AT TIME X'

924 Here, the demonstrative *that* takes as its referent the instantiation of the variable in the
 925 OP 'I PUT THIS ROOF ON AT TIME X', and the cleft serves to convey that the instantiation
 926 of X = 1946. Since this instantiation is taking place at the present time, the equative
 927 appears in the present tense. Notice, however, that the past tense is also acceptable.

928 (31) A: When did you put this roof on?

B: Let's see . . . *that was 1946 that I put this roof on.*

929 Here, the past-tense copula indicates that the cleft is not conveying a present-time
 930 instantiation of the variable, but rather is indicating the past time at which the roof was
 931 put on. Because this event is in the past, the use of the past tense is appropriate. Again,
 932 the choice of tense indicates the intended interpretation of the demonstrative in the *th*-
 933 cleft: in the case of a present-tense copula, the demonstrative is interpreted as taking
 934 the instantiation of the variable as its referent, while in the case of a past-tense copula,
 935 the demonstrative is interpreted as taking *when* (or, perhaps, *when . . . you put this roof*
 936 *on*) as its antecedent.

937 Thus, we see that *th*-clefts exhibit the same three properties (ambiguity, apparent
 938 number disagreement, and apparent tense disagreement) seen above for TWBX, and

1633 ¹⁵ There is another, irrelevant set of readings for the italicized sentence in 29 in which it is not a cleft but
 1634 rather a case of a deictic *those* and either a restrictive or a nonrestrictive relative clause. On the restrictive-
 1635 relative-clause reading, the interpretation would be something like 'Those folks over there are, of all of the
 1636 resigning members of the Board of Directors, the top three'. On the nonrestrictive-relative-clause reading
 1637 (which would typically have a comma before the relativizer *who*), the interpretation would be something
 1638 like 'Those folks over there are the top three members of the Board of Directors, and they are resigning'.
 1639 Neither reading is the cleft reading with which we are concerning ourselves here.

948 that again these properties fall out naturally under an account in which the demonstrative
949 can be used to refer to the instantiation of the OP variable.

950 Now notice that when the demonstrative subject is used for spatial deixis, *th*-clefts
951 do not require the OP that they require when the demonstrative subject is used for
952 temporal deixis or for discourse deixis in reference to an OP variable. Thus, compare
953 32a–c discourse-initially.

- 958 (32) a. Oh, look—that’s your uncle who’s walking over there.
961 b. #Oh, hey—that is/was 1946 that I put this roof on.
c. #Say, I read this interesting article yesterday; that’s George Bush who is
practicing compassionate hatred.

965 In 32a, the demonstrative is used for spatial deixis, to refer to a contextually present
966 individual that the hearer can identify visually. In 32b–c, by contrast, the demonstrative
967 is used for temporal and discourse deixis, respectively. The difference in felicity can
968 be traced to this distinction. That is, *th*-clefts with spatial deictics do not require the
969 presence of an OP, whereas *th*-clefts with temporal deictics, and discourse deictics used
970 to refer to an OP variable, do require the OP. Thus, it is not the *th*-cleft construction
971 per se that requires the presence of an OP, but rather the demonstrative within the cleft.
972 The demonstrative *that* cues the hearer to search for an accessible referent (Ariel 1990,
973 2001). If the referent can be found by searching the physical context (as with the spatial
974 deictic in 32a), the reference succeeds even in the absence of an OP. If, however, the
975 referent cannot be found in the physical context, as in 32b–c, then the OP must be
976 salient in the discourse in order for the hearer to be able to identify the intended referent.
977 This in turn gives rise to the illusion of an OP requirement attached to the construction
978 itself, but the requirement can instead be seen to be compositional, in the sense that it
979 is attached to a smaller element of the construction (the demonstrative), and is then
980 inherited by the larger construction (the *th*-cleft). As we show in the next section, the
981 same use of a demonstrative subject in *th*-equatives results in the same difference in
982 behavior between spatial and other deictic uses of the demonstrative in that construc-
983 tion.¹⁶

984 Thus, *th*-clefts with a temporal or discourse deictic in subject position give rise to the
985 ambiguity, apparent number disagreement, and apparent tense disagreement described
986 above, due to the OP requirement attached to these uses of the demonstrative and the
987 consequent ability of the demonstrative to be used to refer to the instantiation of the
988 variable. When the deixis is spatial, by contrast, these effects are not seen. Thus, com-
989 pare the felicitous case of apparent number disagreement in the context of an OP in
990 28 above with the infelicity of uttering 33 discourse-initially.

- (33) #That’s my two brothers who are sitting over there.

994 Thus, a *th*-cleft shares with TWBX the above-discussed potential for ambiguity and
995 apparent number or tense disagreement precisely when it has in common with TWBX
996 not only the demonstrative subject and equative structure, but also the presence of a
997 salient OP.

1640 ¹⁶ There are of course other categories of deixis that we are not considering here, notably person deixis
1641 and other types of discourse deixis (i.e. in reference to a discourse unit other than the instantiation of an OP
1642 variable). Since person deixis typically involves a pronoun other than a demonstrative, it is tangential to our
1643 claims here. As for other types of discourse deixis, it remains an open question whether they would pattern
1644 with spatial deixis or with discourse deixis in reference to an OP variable, or whether their behavior would
1645 vary based on the type of discourse unit in question.

998 This account further explains why TWBX frequently corresponds to a *th*-cleft variant
 1000 that is equally felicitous in the same context. Consider 34.

- 1003 (34) A: I hear Ginny got elected to the School Board.
 1005 B1: No, *that's Sally that got elected*.
 1007 B2: No, *that would be Sally*.
 1009 B3: No, *that would be Sally that got elected*.
 OP: 'X GOT ELECTED TO THE SCHOOL BOARD'

1011 In B1's response we see a *th*-cleft, in B2's response we see TWBX, and in B3's
 1012 response we see both simultaneously. Thus, the context and intended meaning satisfy
 1013 the requirements of both TWBX and the *th*-cleft. The acceptability of either construction
 1014 in this context (as evidenced by B1 and B2), as well as a combination of both (as in
 1015 B3), is due to the amount of overlap in the structure and function of the two construc-
 1016 tions: both combine a demonstrative subject, equative syntax and semantics, and a
 1017 salient OP. That is to say, because both constructions occur in the context of a salient
 1018 OP and serve to equate the subject with the postcopular constituent, both permit the
 1019 use of a demonstrative subject to refer to the instantiation of the OP variable, in order
 1020 to equate it with the referent of the postcopular constituent. Thus, in cases where the
 1021 addition of a relative clause expressing the presupposed portion of the OP would not
 1022 result in redundancy (as it would in a sentence like *#That would be Fred that that is*),
 1023 we would expect to find a great deal of overlap between the contexts that license the
 1024 use of a *th*-cleft and those that license the use of TWBX (assuming the demonstrative
 1025 in each case is used to refer to the instantiation of the OP variable); that is, we would
 1026 expect to find a high percentage of contexts in which one could felicitously be replaced
 1027 by the other. In any case, the existence of paradigms like that in 34 gives rise to the
 1028 question of whether B2 is best analyzed as a case of a *th*-cleft (as in B3) from which
 1029 the relative clause has been elided, or whether it is best analyzed as a simple equative
 1030 with no such elision. It is to this question that we now turn.

1031 **9. AN ANALYSIS OF TH-EQUATIVES.** The above account predicts that any equative
 1032 sentence with a demonstrative subject (what we are calling '*th*-equatives') will, in the
 1033 presence of a sufficiently salient appropriate OP, show the same complex of properties
 1034 (i.e. ambiguity, apparent number disagreement, and apparent tense disagreement) that
 1035 we have seen for TWBX and *th*-clefts—and, moreover, that these properties will be
 1036 evident in *th*-equatives ONLY when such an OP is present to render the variable suffi-
 1037 ciently salient to provide the referent for the demonstrative. Consider the naturally
 1038 occurring examples in 35.

- 1044 (35) a. War ended in 1945 and year later I married; *that's in 1946*, I'm sorry.
 (http://www.jfk-assassination.de/warren/wch/vol19/page29.php)
 1048 b. Richardson: I got to be head of design in Skidmore much later, Chermay-
 eff was head of the school.
 1050 Blum: *That's in 1947?*
 Richardson: It would have been 1947.
 (http://www.artic.edu/aic/libraries/caohp/richardson.pdf)

1053 These cases correspond to the 'truncated clefts' of Hedberg 2000. Thus, alongside full
 1054 *th*-clefts such as 36a, variants lacking the relative clause, such as 36b, are also possible.

- 1059 (36) a. *This is not Iowa we're talking about*—This is a different society.
 b. *This is not Iowa*. (Hedberg 2000, ex. 17 (emphasis and additional examples omitted))

1062 Notice, however, that 36b is ambiguous between a cleft-like reading, analogous to 36a

1063 with the relative clause omitted, and a simple equative reading, as, for example, if a
 1064 driver were hopelessly lost and uttered 36b while looking out his car window and
 1065 noticing Lake Michigan in the distance. Similarly, consider again 12b, repeated here
 1066 as 37.

1070 (37) A: Me? I never wallow. I suffer in silence.

B: No, *that's Christine*.

1072 In the context given, the most natural interpretation of B's utterance is one in which
 1073 the demonstrative is used to refer to the instantiation of the variable in the OP 'X
 1074 SUFFERS IN SILENCE', resulting in the cleft-like reading. However, in a context in which
 1075 A's utterance is absent and B has just caught a fleeting glimpse of a person vanishing
 1076 around a corner, the italicized utterance (*that's Christine*) might more naturally receive
 1077 an interpretation in which the demonstrative has deictic reference to that individual.
 1078 As with *th*-clefts, we can see that *th*-equatives whose demonstrative subject is used as
 1079 a spatial deictic lack the OP requirement because the referent is accessible in the context.
 1080 In the context in 37, however, the demonstrative is a discourse deictic; therefore a
 1081 salient OP is required in order for the hearer to be able to access its referent. In this
 1082 context, the instantiation of the variable is the referent of the demonstrative. Thus, as
 1083 predicted, *th*-equatives show the first member of our recurring complex of pragmatic
 1084 properties, that is, the same systematic ambiguity that was observed above for TWBX
 1085 and *th*-clefts. The second property—the possibility of an apparent number disagree-
 1086 ment—is present as well.

1091 (38) A: How I felt about you terrified me, it was so unexpected, so exciting and
 so dangerous.

1094 B: Dangerous? How? Is this like what you were saying yesterday? That you
 have to trust that I won't hurt you?

A: No, *that's my parents*, I've always known that I could trust you.

(‘Unfinished business’, http://au.geocities.com/livvyb_au/ub4b.html)

1097 Here, a singular demonstrative and singular copula are used in connection with a plural
 1098 postcopular NP (*my parents*). Again, however, the referent of the demonstrative subject
 1099 is the singular instantiation of the variable in the OP 'X HAS TO TRUST THAT B WON'T
 1100 HURT A'. In a context in which the appropriate OP fails to be salient, or when the
 1101 demonstrative is used deictically to refer to an entity in the spatial context, such an
 1102 utterance becomes unacceptable due to number disagreement, as in 39.

(39) #That's my favorite shoes under the desk.

1106 In such cases, the plural referent renders the singular demonstrative inappropriate.

1107 And as we would expect, we also see the same apparent tense disagreement that was
 1108 seen above for TWBX and *th*-clefts. Thus, corresponding to 25 and 30 above are the
 1109 examples in 40.

(40) a. 'When I was 13, (*that's 1969, folks*) one of my older brothers came home
 from college with a huge stack of Marvel Comics—Thor, Avengers,
 Fantastic Four, etc'.

1117 (http://www.comicon.com/cgi-bin/ultimatebb.cgi?ubb=get_topic;f=36;t=004058)

b. Now, last weekend, *that's July 17–18*, Phyllis and I were the guests of
 Bob Reding, President and CEO and Dennis Erickson, Manager, Corpo-
 rate Communications of Canadian Airlines at the Calgary Stampede.

(<http://www.mickeyjones.com/news2.htm>)

1123 In each of these examples, the present tense is appropriate because the demonstrative

1124 is being used to refer to the instantiation of the variable in the OP (e.g. in 40a, ‘I WAS
1125 13 AT TIME X’).¹⁷

1126 Finally, recall that as with *th*-clefts, the use of a *th*-equative with a spatial-deictic
1127 demonstrative in subject position is felicitous in the absence of a salient OP; in this
1128 case, however, the complex of pragmatic properties disappears. Take, for example, 41
1130 uttered out of the blue by one of a pair of companions walking in downtown Chicago.

(41) Oh, look—*that’s the Sears Tower!*

1133 This utterance has a demonstrative subject and an equative, but lacks a salient OP. And
1134 as predicted, the only interpretation available for the demonstrative involves spatial
1135 deixis, to an entity in the extra-linguistic context. It follows as well that there is no
1136 ambiguity; likewise, the demonstrative is required to agree in number with its referent.

(42) Oh, look—*#that’s my favorite buildings!*

1140 Similarly, in the absence of an OP, the tense of the copula is required to agree with
1142 the time reference of the utterance.

(43) John left for the airport. *#That’s at 2:30.*

1145 Here, the OP ‘JOHN LEFT FOR THE AIRPORT AT TIME X’ constitutes what Prince (1981) calls
1146 ‘inferrable’ information; however, it is not sufficiently salient to make the variable’s
1147 instantiation available as a referent for a demonstrative. Notice also that in this context
1148 the corresponding TWBX (*That would be at 2:30*) and *th*-cleft (*That’s at 2:30 that*
1149 *John left for the airport*) would be equally unacceptable.¹⁸

1150 Thus, in the absence of an appropriate contextually salient OP, the distributional
1151 behavior of *th*-equatives becomes like that of any other equative. The question that
1152 arises, then, is whether there is sufficient justification for considering such equatives
1153 to have two possible syntactic sources, one that corresponds to the use of the sentence
1154 in an OP context (the ‘truncated cleft’) and one that corresponds to the use of the
1155 sentence when such an OP is lacking (the simple equative). We argue that it is simpler
1156 and more accurate to analyze this linear ordering of elements as a simple equative that
1157 may felicitously be used in two contexts—with and without an appropriate contextually
1158 salient OP—and whose pragmatic properties when used in the context of an OP parallel
1159 those of a cleft for independent reasons.

1160 **10. FUNCTIONAL COMPOSITIONALITY AND *th*-EQUATIVES.** As we have shown above,
1161 *th*-equatives display a set of surprising distributional properties that are also exhibited
1162 by *th*-clefts; however, these properties are not unique to these two constructions, but
1163 are shared as well by TWBX. We have shown that these properties—referential ambiguity,
1164 the illusion of number disagreement, and the illusion of tense disagreement—can
1165 be explained as deriving from the combination of the equative and the demonstrative

1646 ¹⁷ While a referee judges examples like those in 40 to be less than fully acceptable, a Google search
1647 uncovers hundreds of similar naturally occurring examples.

1648 ¹⁸ A referee points out that under this account, (i) should be felicitous.

1650 (i) A: When did John leave for the airport?

B: ?#That’s at 2:30.

1654 While this example is not fully felicitous, it is nonetheless significantly better than 43. Since we have many
1655 examples of this sort of apparent tense mismatch occurring felicitously in the presence of an OP, we can
1656 only assume that there are other as-yet-unidentified factors affecting the felicity of temporals in equatives.
1657 Nonetheless, the fact that any such examples are felicitous (as in 40) verifies that a salient OP can, in many
1658 cases, render the mismatch felicitous. Thus, the question at hand is not why ALL such examples aren’t
1659 acceptable, but why ANY such examples are, which is what our account seeks to explain.

1166 in the presence of a sufficiently salient OP. Whenever this combination of formal and
 1167 contextual factors is present, these distributional properties will follow. Although these
 1168 shared properties might appear to support a treatment of utterances like 36b as truncated
 1169 clefts, such an analysis is not necessary to account for the pragmatic data. Moreover,
 1170 such an account renders all *th*-equatives systematically ambiguous between two distinct
 1171 syntactic derivations. On the one hand, if truncated clefts are viewed as syntactically
 1172 distinct from simple equatives, then 36b must be derivable via the mechanism that
 1173 produces this truncation; on the other hand, however, there is obviously nothing that
 1174 would rule out deriving 36b as the product of placing a demonstrative subject into a
 1175 simple equative structure. Thus, 36b and all such sentences become structurally ambigu-
 1176 ous, with the correct derivation dependent on the presence or absence of an appropriate
 1177 contextually salient OP. We have shown instead that the pragmatic resemblances be-
 1178 tween *th*-clefts and *th*-equatives can be straightforwardly explained without analyzing
 1179 the latter as a subtype of the former, and without the need for two distinct derivations
 1180 for 36b and the resulting structural ambiguity. Also eliminated is the need to stipulate
 1181 a syntactic mechanism for truncation.¹⁹

1182 Furthermore, as Gundel, Hedberg, and Zacharski (2005) point out, while truncated
 1183 clefts are paraphraseable as full clefts, they are equally paraphraseable as pseudoclefts,
 1184 as illustrated in 44.

- 1188 (44) A: What are they building over on the corner?
 1190 B1: It's a drugstore.
 1192 B2: It's a drugstore that they're building.
 B3: What they're building is a drugstore.

1194 Thus, as Gundel and colleagues point out, while one can view B1 here as a truncated
 1195 cleft (i.e. a variant of B2 in which the relative clause has been elided), one could just
 1196 as easily view it as a pseudocleft with a pronominalized subject—that is, as a variant
 1197 of B3 in which the subject relative is pronominalized as *it*. And this observation finds
 1198 its parallel in *th*-equatives.

- 1202 (45) A: What campus organization determines salary increases?
 1204 B1: That's the College Council.
 1206 B2: That's the College Council that determines salary increases.
 B3: What determines salary increases is the College Council.

1208 That is, B1 here could be analyzed either as a truncated variant of B2 in which the
 1209 relative clause has been elided, or as a variant of B3 in which the relative subject has
 1210 been pronominalized. Gundel and colleagues conclude that 'What's important here is
 1211 that for purposes of interpretation it doesn't matter which analysis is chosen. What's
 1212 critical is that the relevant material is in the focus of attention at the time of utterance.
 1213 Either the referent of the pronoun must be resolved [under the pseudocleft analysis],
 1214 or the logical form of the utterance must be enriched . . . to provide the information in
 1215 the elided cleft clause [under the truncated-cleft analysis]' (Gundel et al. 2005:361;
 1216 bracketed comments ours). This raises the unsettling prospect of having to view *th*-
 1217 equatives as THREE ways ambiguous, between the straightforward simple equative ac-
 1218 count, the truncated-cleft account, and the pronominalized-subject pseudocleft account.

1660 ¹⁹ We have not here addressed the issue of Hedberg's truncated *it*-clefts, as in 12a. If a truncation analysis
 1661 turns out to be correct in these cases, then the syntactic mechanism in question will not have been eliminated.
 1662 Further research is needed in order to determine whether the simple equative account we propose here extends
 1663 to *it*-clefts as well, that is, whether the example in 12a—*it was her*—is best analyzed as a simple equative
 1664 with the functional properties of an *it*-cleft in the context of a salient OP.

1219 Again, we propose that there is no reason to analyze such sentences as clefts (or pseu-
 1220 doclefts), given that their cleft-like properties can be accounted for within a simple
 1221 equative analysis.

1222 Moreover, if 36b is analyzed as a truncated cleft, there is no reason why such sen-
 1223 tences might not also contain epistemic *would*, which would result in a truncated-cleft
 1224 analysis for sentences such as 46.

(46) This would not be Iowa.

1228 More generally, all of the examples of TWBX that have been considered in this article
 1229 would be amenable to analysis as truncated clefts. Indeed, in previous work (Ward et
 1230 al. 2007), we tentatively proposed such an analysis, with the suggestion that this offered
 1231 a potentially fruitful area for further research. In light of the findings described here,
 1232 however, this account no longer seems tenable. Consider again the examples of TWBX
 1233 provided in 18, repeated below.

- 1238 (47) a. A [holding cup]: Whose is this?
 1240 B: *That would be my son.* My youngest son, to be exact.
 1242 OP: 'THIS CUP BELONGS TO X'
 1245 b. GW: What is the per minute charge to Italy?
 1247 Operator: Do you have the one-rate plan?
 1249 GW: I'm not sure—can I find out through you?
 1251 Operator: No, *that would be . . . 1-800-466-3728.*
 1253 OP: 'YOU CAN FIND OUT THROUGH X'
 1256 c. Villager [in reference to an ogre]: He'll grind your bones for his bread!
 1258 Shrek: Actually, *that would be a giant.*
 1260 OP: 'THE CREATURE THAT GRINDS YOUR BONES FOR HIS BREAD IS X'
 1263 d. A: The pot's light.
 1265 B: *That would be me.* [tosses in a chip]
 1267 OP: 'THE PERSON WHO FAILED TO ANTE IS X'
 1270 e. A: These Bocaburgers have not an ounce of fat in 'em.
 1272 B: *That would be the soy.*
 OP: 'NOT HAVING AN OUNCE OF FAT IN THEM IS DUE TO X'

1274 A truncated-cleft analysis of these examples runs into difficulties on two counts. First,
 1275 as noted above for *th*-equatives, it results in all tokens of TWBX being systematically
 1276 ambiguous between being a truncated cleft and being a simple equative; and given that
 1277 the simple equative structure is independently motivated, there seems little motivation
 1278 to posit an alternative structure for these utterances.²⁰

1279 Second, the corresponding full *th*-cleft with epistemic *would* is not consistently felici-
 1280 tous as a constructional variant, as shown in 48.

- 1285 (48) a. A: Whose is this?
 1287 B: *?That would be my son whose cup that is.*
 1290 b. GW: What is the per minute charge to Italy?
 1292 Operator: Do you have the one-rate plan?
 1294 GW: I'm not sure—can I find out through you?
 Operator: #No, *that would be 1-800-466-3728 that you can find out through.*

1665 ²⁰ Notice also that these would also potentially be subject to the above-discussed three-way ambiguity in
 1666 which they could equally well be analyzed as pseudoclefts with pronominalized subjects—a clearly undesira-
 1667 ble result.

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- c. Villager: He'll grind your bones for his bread!
Shrek: Actually, *that would be a giant that grinds your bones for his bread.*
- d. A: The pot's light.
B: *?That would be me who failed to ante.*
- e. A: These Bocaburgers have not an ounce of fat in 'em.
B: *#That would be the soy that not having an ounce of fat in them is due to.*

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Although in 48c, the putative full-cleft variant is felicitous, in 48a and 48d it is marginal, while in 48b and 48e it is clearly infelicitous. Thus, the constraints on the use of a *th*-cleft and the constraints on the use of TWBX are not identical. While this does not prove that the latter is not a truncated variant of the former, it does erode the argument in favor of such an account, particularly if this account is based on pragmatic similarity. Given that another, simpler account exists that fully explains their pragmatic behavior without positing otherwise unnecessary constructs, there seems little pragmatic motivation for viewing the examples in 47 as truncated clefts. This simpler account also eliminates the need to introduce a systematic syntactic ambiguity that does not correspond to any intuitive difference in constituency or meaning. While we do not address the syntactic arguments for or against such a systematic ambiguity, we have shown that the analysis of TWBX as a simple equative structure is adequate to explain the pragmatic properties that such sentences share with full clefts. Pragmatically speaking, then, the only distinction between a putative truncated cleft (as in 49a) and a simple *th*-equative (as in 49b) is the presence or absence, respectively, of a contextually salient OP.

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- (49) a. I told my teacher that the John Hancock building was the tallest building in Chicago, but then I realized that *that's the Sears Tower.*
b. Oh, look—*that's the Sears Tower!*

If and only if a contextually salient OP is available, as in 49a, the variable will be available for demonstrative reference, with all of the consequent pragmatic properties. In the absence of such an OP, as in 49b, the utterance will be interpreted as a simple equative.

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11. CONCLUSION. In this article, we have examined the behavior of three constructions that we have argued are functionally compositional, in that the functional properties of each are not associated with the construction as a whole, but are derived from an interaction of the functions of its component parts. The constructions we have investigated share three properties—a demonstrative subject, equative syntax and semantics, and occurrence in the context of a salient OP (which in turn is due, in the case of the *th*-cleft and *th*-equative, to the use of the demonstrative in the absence of spatial deixis). When these properties cooccur, we have argued, they give rise to an interpretation in which the demonstrative is used to refer to the instantiation of the variable in the OP. More specifically, when the speaker's communicative goal is to instantiate the variable in the OP, the use of the demonstrative in combination with the equative provides a means of attaining this goal, in that the demonstrative can be used in reference to the salient variable, and then equated with the postcopular instantiation of the variable by means of the equative. In this sense, then, it is not necessary to posit, for example, that TWBX is a distinct construction exhibiting variable-reference, ambiguity, and so forth as separately specified functional properties of that construction. Rather, TWBX is the natural result of combining epistemic *would* (with its independent OP requirement)

1359 with a demonstrative subject and an equative, and the observed complex of properties
 1360 is the natural result of this combination of elements. Similarly, a *th*-cleft is the result
 1361 of combining a cleft (with its equative form and meaning) with a demonstrative subject;
 1362 again, in the context of a salient OP the observed complex of properties will result.
 1363 And finally, the *th*-equative need not be viewed as a truncated cleft, but can be seen
 1364 instead as the natural result of combining a demonstrative subject with an equative in
 1365 a context that provides the appropriate salient OP; again, the same complex of properties
 1366 is the natural result.

1367 Finally, it should be noted that while the three constructions we have examined here
 1368 have much in common, it is not the case that they are identical in meaning and use.
 1369 (For example, the use of epistemic *would* conveys a particular degree of certainty that
 1370 is lacking in the other epistemic modals.) As illustrated in 48 above, the constructions
 1371 are not consistently interchangeable in context, and much work remains to be done
 1372 examining the properties that are specific to each construction.

1373 The functional properties that they do share, however, have been shown to result
 1374 not from a shared status as clefts but rather from a shared set of elemental features.
 1375 What this suggests is that not all functional properties must be learned on a construction-
 1376 by-construction basis; instead, just as the semantic meaning of a sentence is built up
 1377 compositionally from the semantics of its parts, so too are the discourse functions of
 1378 an utterance built up compositionally from those of its parts. Further research is neces-
 1379 sary to determine the extent to which languages in general contain functionally complex
 1380 constructions whose discourse-functional properties are built up in a predictable way
 1381 from the functions of the individual components of those constructions.

1382 REFERENCES

- 1383 ABBOTT, BARBARA. 2004. Definiteness and indefiniteness. *Handbook of pragmatics*, ed. by
 1384 Laurence R. Horn and Gregory Ward, 122–49. Oxford: Blackwell.
- 1385 ARIEL, MIRA. 1990. *Accessing noun phrase antecedents*. London: Routledge.
- 1386 ARIEL, MIRA. 2001. Accessibility theory: An overview. *Text representation: Linguistic and*
 1387 *psycholinguistic aspects*, ed. by Ted J. M. Sanders, Joost Schilperoord, and Wilbert
 1388 Spooren, 29–87. Amsterdam: John Benjamins.
- 1389 BALL, CATHERINE N. 1977. *Th*-clefts. *Penn Review of Linguistics* 2.57–64.
- 1390 BALL, CATHERINE N. 1978. *It*-clefts and *th*-clefts. Paper presented at the summer meeting
 1391 of the Linguistic Society of America, Champaign-Urbana, IL.
- 1392 BIRNER, BETTY J. 1994. Information status and word order: An analysis of English inversion.
 1393 *Language* 70.233–59.
- 1394 BIRNER, BETTY J. 1997. Discourse constraints on PP + *there* in English. Paper presented
 1395 at the annual meeting of the Linguistic Society of America, Chicago.
- 1396 BIRNER, BETTY J.; JEFFREY P. KAPLAN; and GREGORY WARD. 2001. Open propositions and
 1397 epistemic *would*. Paper presented at the annual meeting of the Linguistic Society of
 1398 America, Washington, DC.
- 1399 BIRNER, BETTY J.; JEFFREY P. KAPLAN; and GREGORY WARD. 2003. Epistemic modals and
 1400 temporal reference. Paper presented at the annual meeting of the Linguistic Society of
 1401 America, Atlanta.
- 1402 BIRNER, BETTY J., and GREGORY WARD. 1993. *There*-sentences and inversion as distinct
 1403 constructions: A functional account. *Berkeley Linguistics Society* 19.27–39.
- 1404 BIRNER, BETTY J., and GREGORY WARD. 1994. Uniqueness, familiarity, and the definite
 1405 article in English. *Berkeley Linguistics Society* 20.93–102.
- 1406 BIRNER, BETTY J., and GREGORY WARD. 1998. *Information status and noncanonical word*
 1407 *order in English*. Amsterdam: John Benjamins.
- 1408 BREIVIK, LEIV EGIL. 1981. On the interpretation of existential *there*. *Language* 57.1–25.
- 1409 BÜRING, DANIEL. 1998. Identity, modality, and the candidate behind the wall. *Proceedings*
 1410 *of SALT 8*, ed. by Devon Strolovitch and Aaron Lawson, 36–54. Ithaca, NY: Cornell
 1411 University.

- 1412 CROFT, WILLIAM. 2001. *Radical construction grammar: Syntactic theory in typological*
 1413 *perspective*. Oxford: Oxford University Press.
- 1414 ERDMANN, PETER. 1976. *There sentences in English*. Munich: Tuduv.
- 1415 FILLMORE, CHARLES J. 1999. Inversion and constructional inheritance. *Lexical and construc-*
 1416 *tional aspects of linguistic explanation*, ed. by Gert Webelhuth, Jean-Pierre Koenig,
 1417 and Andreas Kathol, 113–28. Stanford, CA: CSLI Publications.
- 1418 FILLMORE, CHARLES J.; PAUL KAY; LAURA A. MICHAELIS; and IVAN A. SAG. 2003. *Construc-*
 1419 *tion grammar*. Stanford, CA: CSLI Publications.
- 1420 FREEZE, RAY. 1992. Existentials and other locatives. *Language* 68.553–95.
- 1421 GOLDBERG, ADELE. 1995. *Constructions: A construction grammar approach to argument*
 1422 *structure*. Chicago: University of Chicago Press.
- 1423 GOLDBERG, ADELE, and ALEX DEL GUIDICE. 2005. Subject-auxiliary inversion: A natural
 1424 category. *The Linguistic Review* 22.411–28.
- 1425 GOLDBERG, ADELE, and RAY JACKENDOFF. 2004. The English resultative as a family of
 1426 constructions. *Language* 80.532–68.
- 1427 GUNDEL, JEANETTE K.; NANCY HEDBERG; and RON ZACHARSKI. 2005. Pronouns without NP
 1428 antecedents: How do we know when a pronoun is referential? *Anaphora processing:*
 1429 *Linguistic, cognitive and computational modelling*, ed. by Antonio Branco, Tony McEn-
 1430 erty, and Ruslan Mitkov, 351–64. Amsterdam: John Benjamins.
- 1431 HEDBERG, NANCY. 1990. *Discourse pragmatics and cleft sentences in English*. Minneapolis:
 1432 University of Minnesota dissertation.
- 1433 HEDBERG, NANCY. 2000. The referential status of clefts. *Language* 76.891–920.
- 1434 HIGGINS, F. ROGER. 1979. *The pseudo-cleft construction in English*. New York: Garland.
- 1435 JANDA, RICHARD, and BRIAN D. JOSEPH. 1999. The modern Greek negator mi(n)(–) as a
 1436 morphological constellation. *Greek linguistics '97: Proceedings of the 3rd international*
 1437 *conference on Greek linguistics*, ed. by George D. Babinotis, 341–51. Athens: Elinika
 1438 Gramata Press.
- 1439 KAY, PAUL, and CHARLES J. FILLMORE. 1999. Grammatical constructions and linguistic
 1440 generalizations: the *What's X doing Y?* construction. *Language* 75.1–33.
- 1441 LEVIN, NANCY, and ELLEN F. PRINCE. 1986. Gapping and clausal implicature. *Papers in*
 1442 *Linguistics* 19.351–64.
- 1443 LEVINSON, STEPHEN. 1983. *Pragmatics*. Cambridge: Cambridge University Press.
- 1444 LYONS, JOHN. 1977. *Semantics*. Cambridge: Cambridge University Press.
- 1445 MACLARAN, ROSE. 1982. *The semantics and pragmatics of the English demonstratives*.
 1446 Ithaca, NY: Cornell University dissertation.
- 1447 MICHAELIS, LAURA, and KNUD LAMBRECHT. 1996. Toward a construction-based theory of
 1448 language function: The case of nominal extraposition. *Language* 72.215–47.
- 1449 MIKKELSEN, LINE. 2005. *Copular clauses: Specification, predication, and equation*. Amster-
 1450 dam: John Benjamins.
- 1451 NUYTS, JAN. 2001. *Epistemic modality, language and conceptualization: A cognitive-prag-*
 1452 *matic perspective*. Amsterdam: John Benjamins.
- 1453 PENHALLURICK, JOHN. 1984. Full-verb inversion in English. *Australian Journal of Linguistics*
 1454 4.33–56.
- 1455 PRINCE, ELLEN F. 1978. A comparison of WH-clefts and *it*-clefts in discourse. *Language*
 1456 54.883–906.
- 1457 PRINCE, ELLEN F. 1981. Toward a taxonomy of given/new information. *Radical pragmatics*,
 1458 ed. by Peter Cole, 223–54. New York: Academic Press.
- 1459 PRINCE, ELLEN F. 1986. On the syntactic marking of presupposed open propositions. *Chicago*
 1460 *Linguistic Society* 22.2.208–22.
- 1461 PRINCE, ELLEN F. 1992. The ZPG letter: Subjects, definiteness, and information-status. *Dis-*
 1462 *course description: Diverse analyses of a fundraising text*, ed. by Sandra A. Thompson
 1463 and William C. Mann, 295–325. Amsterdam: John Benjamins.
- 1464 STONE, MATTHEW. 1994. The reference argument of epistemic *must*. *Proceedings of the*
 1465 *International Workshop on Computational Semantics*, ed. by Harry Bunt, Reinhard
 1466 Muskens, and Gerrit Rentier, 181–90. Tilburg, NL: ITK.
- 1467 VÄLIMAA-BLUM, RIITTA. 1988. Finnish word-order as a set of syntactic constructions. *Pro-*
 1468 *ceedings of the fifth Eastern States Conference on Linguistics*, ed. by Joyce Powers
 1469 and Kenneth de Jong, 500–511. Columbus: Department of Linguistics, The Ohio State
 1470 University.

- 1471 WARD, GREGORY. 1988. *The semantics and pragmatics of preposing*. New York: Garland.
 1472 WARD, GREGORY, and BETTY J. BIRNER. 1995. Definiteness and the English existential.
 1473 *Language* 71.722–42.
 1474 WARD, GREGORY; BETTY J. BIRNER; and RODNEY HUDDLESTON. 2002. Information packaging.
 1475 *The Cambridge grammar of the English language*, ed. by Rodney Huddleston and
 1476 Geoffrey K. Pullum, 1363–447. New York: Cambridge University Press.
 1477 WARD, GREGORY; BETTY J. BIRNER; and JEFFREY P. KAPLAN. 2003. A pragmatic analysis
 1478 of the epistemic *would* construction in English. *Modality in contemporary English*, ed.
 1479 by Roberta Facchinetti, Manfred Krug, and Frank Palmer, 71–79. Berlin: Mouton de
 1480 Gruyter.
 1481 WARD, GREGORY; JEFFREY P. KAPLAN; and BETTY J. BIRNER. 2007. Epistemic *would*, open
 1482 propositions, and truncated clefts. *Topics on the grammar-pragmatics interface: Papers*
 1483 *in honor of Jeanette K. Gundel*, ed. by Nancy Hedberg and Ron Zacharski. Amsterdam:
 1484 John Benjamins, to appear.
 1485 WEBBER, BONNIE LYNN. 1988. Discourse deixis: Reference to discourse segments. *Proceed-*
 1486 *ings of the 26th annual meeting of the Association for Computational Linguistics*,
 1487 113–22.
 1488
- 1491 Birner [Received 29 October 2004;
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