

# Voldemort phrases in generic sentences\*

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**Abstract.** English provides an idiosyncratic means to express general statements about people: third person singular *he* modified by a relative clause, i.e. “Voldemort phrases” (Elbourne 2013). Given that pronouns are standardly seen as referential expressions, this use in generic sentences is puzzling. In this paper, I address this puzzle. After dismissing an account that seems promising at first glance, but makes undesirable predictions, I put forth a new analysis of the semantic contribution of Voldemort phrases in terms of kind denotation (cf. Dayal 2004).

**Keywords.** semantics, third person singular pronouns, generic sentences, singular kinds, quantificational variability effects

## 1. Introduction

The linguistic expressions investigated in this paper are certain occurrences of modified third person singular pronouns in English that can be used make statements about people in general, see (1). The bold-faced material in (1) exemplifies the material of interest: a third person singular pronoun that is modified by a relative clause. The name “Voldemort phrases” for these modified pronouns was coined by Paul Elbourne (cf. Elbourne 2013).

- (1) **He who walks out of negotiations** loses.  
(Europarl Parallel Corpus, Koehn 2005)

Example (1) also illustrates the main puzzle connected to Voldemort phrases: (1) expresses a generalization about people who walk out of negotiations and can also be paraphrased using a bare plural: “*People who walk out of negotiations, lose (these negotiations)*”. Given the linguistic material that makes-up (1), however, it is not quite clear, how this interpretation arises. Particularly puzzling, in fact, is the presence of the third person

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singular pronoun *he* inside the Voldemort phrase. As a prototypical referential expression, *he* is expected to denote a given, single male individual. In (1), this is not the case.

The aim of this paper is to provide an analysis of the semantic contribution of Voldemort phrases in generic sentences. I start this investigation by showing that the relevant occurrences of *he* inside Voldemort phrases do not constitute genuine impersonal uses of *he* (Section 2). A promising analysis that predicts this, but fails to capture the data is discarded. Section 3 provides further observations on the cross-linguistic picture, as well as on alternatives for Voldemort phrases in English. In Section 4, I present my proposal for the semantic contribution of Voldemort phrases. I build on insights from the recent syntactic and semantic literature on personal pronouns and demonstratives (Elbourne 2008, 2013), on free relatives (Caponigro 2003; Tredinnik 2005; Hinterwimmer 2008), on quantificational variability effects (Hinterwimmer 2005), and on kind-denoting expressions (Chierchia 1998; Dayal 2004). The formal proposal is put forth in Section 5, and Section 6 concludes.

A brief side note: in line with the referential function of pronouns, Voldemort phrases also occur with a referential, though name-like, interpretation. The prime example for this use is (2), the “phrase” after which Voldemort phrases were named.<sup>1</sup>

(2) **He Who Must Not Be Named** has killed Lily Potter.

One central difference between the name-like use and the one discussed in this paper is that in the latter, usually only masculine *he* occurs.<sup>2</sup> In the referential use, both forms occur. The name-like use will be left aside in this paper.

## 2. *He* is not used impersonally

One possible way to account for Voldemort phrases in generic sentences like (1) is to assume that third person singular *he* allows for an “impersonal use”, similar to English second person *you*, exemplified in (3).

<sup>1</sup> In the Harry Potter series by J.K. Rowling, Lord Voldemort, Harry Potter's main antagonist, is referred to either as “*He Who Must Not Be Named*” or as “*You Know Who*”.

<sup>2</sup> The use of feminine *she* in Voldemort phrases in generic sentences is attested, but only in general statements about women. Lelia Glass (p.c.) suggested that statements about people in general with *she who* feel like an effort to be politically correct by not using a generic masculine form.

- (3) If **you** walk out of negotiations, **you** lose.

Example (3) expresses the same generalization as (1), i.e. a generalization about people who walk out of negotiations, and like *he* in (1), *you* does not seem to contribute its standard meaning to the truth-conditions of (3): neither of the two occurrences of *you* denote the addressee of the utterance (Kitagawa & Lehrer 1990; Malamud 2006).

Even though this idea seems attractive at first glance, it does not capture the data. The central counter-argument is that the generic interpretation observable for (1) arises only when *he* is part of a Voldemort phrase. As soon as the relative clause is omitted, the sentence can only express a statement about a specific male person, see (4).

- (4) **He** loses.

If third person singular *he* had a genuine impersonal use, the presence or absence of a modifying relative clause should not have an impact on its availability. The impersonal use of *you* (i) is available without any modifying material, and (ii) is in fact unavailable when *you* is modified by a relative clause. The first point is illustrated in (5): while (5-a) cannot express a general statement about people, (5-b) is naturally interpreted in this way.<sup>3</sup>

- (5) a. **He** should respect his parents.  
b. **You** should respect your parents.

The second point is illustrated in (6): if *you* is modified by a relative clause, it can only be interpreted referentially, and consequently, the relative clause has to be interpreted as an appositive/non-restrictive relative clause.

- (6) a. \***You** who walk out of negotiations lose.  
b. **You**, who walk out of negotiations, lose.

The examples in (5) and (6) also provide a further counter-argument: the sentences in (5) only differ in the choice of pronoun; (6-a) is the result of substituting *you* for *he* in (1). If *he* had a genuine impersonal use that is observable in sentences like (1), the lack of generic interpretation for (5-a) and (6-b) is unexpected. Genuine impersonal uses of personal and impersonal pronouns are substitutable *salva veritate* (cf. Kitagawa & Lehrer 1990, Zobel 2014). For instance, in varieties of English in which the dedicated impersonal pronoun *one* is still actively used, *one* and impersonally used *you* are freely interchangeable, compare *you/one* vs. *he* in (7).

<sup>3</sup> *You* is always ambiguous between its referential and its impersonal use.

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- (7) a. **You** should respect your parents.  
 b. **One** should respect one's parents.  
 c. **He** should respect his parents. (= 5-a)

While (7-a) and (7-b) express the same general statement, (7-c) can only express a statement about a given male individual.

These observations already preclude an analysis of Voldemort phrases in generic sentences suggested in Elbourne (2013). Elbourne (2013:205ff) introduces Voldemort phrases as further evidence for his analysis of pronouns as definite descriptions. He assumes that all personal pronouns are semantically definite determiners with an obligatorily unpronounced NP-complement:

- (8) a. General structure of pronouns:  
 [[*pronoun* NP]  $s_i$ ]  
 b.  $[[he]]^g = [[she]]^g = [[it]]^g = [[the]]^g =$   
 $\lambda f_{\langle e, sb \rangle}. \lambda s: s \in D_s \ \& \ \exists! x \ f(x)(s)=1. \ \iota x \ f(x)(s)=1$   
 (Elbourne 2013:193)

Since relative clauses are usually analyzed as “attaching to nouns or noun phrases”, the presence of the relative clause in Voldemort phrases supports his suggested structure in (8-a); the structure of Voldemort phrases is given in (9).

- (9)  $[[he \ [ \ NP \ [who... ]]] \ s_i]$  (Elbourne 2013:207)

Given these assumptions, Elbourne suggests that the interpretation of sentences like (10) (repeats (1)) can be derived if the generic operator *Gen* (cf. Krifka et al. 1995, Mari et al. 2013) binds the situation variable  $s_i$  that is introduced by *he*: generic quantification over situations indirectly induces generic quantification over (male) individuals that walk out of negotiations.

- (10) **He who** walks out of negotiations loses.

It is unclear whether the account that Elbourne sketches captures the semantics of sentences like (10). The formal proposal resulting from Elbourne's suggestion requires that for every situation that is generically quantified over there is a unique individual that walks out of negotiations; this requirement is played by the uniqueness presupposition associated with the pronominal meaning. Since the Voldemort phrase is part of the restrictor of *Gen*, this presupposition has to be met globally, i.e. inside the discourse context. This, to my mind however, means that (10) is in fact a statement about a single individual.

Irrespective of whether this criticism is sound, though, an even bigger problem for Elbourne's suggestion exists: it predicts that the

situation variable  $s_i$  of bare third person singular pronouns should be bindable by *Gen*, as well. This means that the generic interpretation found with sentences like (10) arises irrespective of the presence of a relative clause, and that (4) should have a generic interpretation. In other words, *he* is predicted to have an impersonal use, contrary to fact.<sup>4</sup>

In sum, the comparisons between *he* and *you/one* strongly suggest that for Voldemort phrases in generic sentences, *he* is not used impersonally. Consequently, Elbourne's suggested account does not capture the data adequately.

The central observation of this section, which I argue has to be captured by any analysis of Voldemort phrases in generic sentences, is that the relative clause plays a central role in deriving the generic interpretation for sentences like (10). Before presenting my analysis of Voldemort phrases in Section 4, I discuss new data and its implications in Section 3.

### 3. Further observations

#### 3.1. English vs. other European languages

Investigations into the forms corresponding to Voldemort phrases in other European languages suggest that the possibility to use these phrases to express general statements is an idiosyncratic property of English. In other European languages, a third person singular pronoun followed by a relative clause seems to be consistently interpreted referentially: the pronoun refers to a specific (given) individual and the relative clause is interpreted non-restrictively. This is the case for, for instance, the direct translation of (1) into German, see (11-a).

- (11) a. ??**Er, der** sich aus Verhandlungen zurückzieht, verliert.  
           he who himself out negotiations pulls-out loses  
       b. **Wer** sich aus Verhandlungen zurückzieht, verliert.  
           who himself out negotiations pulls-out loses

The intended meaning of (1) is best expressed in German by translating the Voldemort phrase as a free relative, see (11-b). Another possible, but generally dispreferred translation into German is via the expression *der(jenige), der...* (Engl. 'that who'),

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<sup>4</sup> The same problem arises if one assumes that in sentences like (10), third person singular *he* contributes an individual variable that is bound by *Gen*. Since the relative clause does not play a crucial role in this account, either, a generic interpretation for (4) is predicted, as well.

i.e. a definite/demonstrative combined with a restrictive relative clause, see (12).

- (12) **Der(jenige), der** sich aus Verhandlungen zurückzieht, verliert.

Dem/def who himself out negotiations pulls-out loses

Other European languages can be grouped relative to which of the types of expressions found in German they provide and use. Crucially, none of the languages that I investigated replicates the English combination *he who*. Consider the English examples and their translations in (13) and (14) (Europarl Parallel Corpus).<sup>5</sup>

- (13) a. **He who** goes cautiously, goes safely and goes far.  
 b. **Celui qui** avance avec prudence va sûrement et va loin. (F)  
 the-one who advances with prudence goes securely and goes far  
 c. **Chi** va piano va sano e lontano. (I)  
 who goes slowly goes healthily and far
- (14) a. **He who** sows the wind shall reap the whirlwind.  
 b. **Qui** sème le vent récoltera sans doute la tempête. (F)  
 who sows the wind will-reap without doubt the storm  
 c. **Wie** wind zaait zal storm oogsten. (D)  
 who wind sows shall storm reap

In sum, the results of this small-scale cross-linguistic study suggest that the linguistic means found in other European languages as counterparts for English Voldemort phrases fall into two general classes of expressions: (i) free relatives and (ii) the combination “demonstrative/definite + restrictive relative”.

Since no literal equivalent to *he who* seems to exist in other languages, the question arises whether English provides alternative expressions to Voldemort phrases that can be related directly to the expressions found in other European languages.

### 3.2. Alternatives to *he who* in English

Are there alternative ways in English to express the general statements that are expressed by sentences containing Voldemort phrases? Do these exemplify either of the two strategies found in other European languages? In this subsection, it is shown that (i) “ordinary” free relatives are not a viable option in English, and that (ii) the closest alternatives to *he who* are *the one who* and *those who*, which fall into the class “demonstrative/definite + restrictive relative”.

<sup>5</sup> Abbreviations: F... French, I... Italian, D... Dutch

The first point follows directly from the observation that in English, simple free relatives introduced by *who* are degraded in subject position to the point of ungrammaticality, see (15) (cf. Tredinnik 2005; Patterson & Caponigro 2014).<sup>6</sup>

- (15) \***Who** doesn't eat breakfast will feel hungry before  
lunchtime. (Patterson & Caponigro 2014:1)

The only type of human-denoting free relatives that can be found in subject position are *-ever* free relatives, see (16).

- (16) **Whoever** says so is a liar. (Tredinnik 2005:14)

The well-formed *-ever* free relatives can indeed be used as alternatives to Voldemort phrases. Example (17) illustrates this possibility.<sup>7,8</sup>

- (17) a. **He who** abides in love abides in God. (NKJV)  
b. **Whoever** abides in love abides in God. (ESV)  
(1 John 4:16)

Other alternatives to *he who* that fall into the class "demonstrative/definite + restrictive relative" are given in Curme (1912). He notes that the combination *he who* feels very archaic to English native speakers, and mainly occurs in bible texts, proverbs, and other sayings. In "ordinary conversation", *anyone who*, *everyone who*, *that person/man/woman/... who*, or *those who* are used instead (Curme 1912:356).

Nowadays, *he who* is still found in these contexts. In younger bible translations, even a similar set of alternative variants to the one given by Curme for spoken language occur already, see (18).

- (18) a. **The one who** remains in love remains in God. (HCSB)  
b. **Everyone who** lives in love lives in God. (ERV)  
c. **Anyone who** leads a life of love shows that he (NIRV)  
is joined to God.

<sup>6</sup> Patterson & Caponigro (2014) report new experimental results that support this intuition.

<sup>7</sup> Bible verses are only used as linguistic examples to illustrate the variations found in English. No personal conviction of the author is communicated, and no offense is intended with their use.

<sup>8</sup> The examples taken from the Bible in its various English translations were taken from Bible Gateway (<https://www.biblegateway.com>). Among others, the following translations were consulted: New King James Version (NKJV), English Standard Version (ESV), Holman Christian Standard Bible (HCSB), New International Reader's Version (NIRV), Easy-to-Read Version (ERV), Expanded Bible (EXB).

- d. **Those who** live in love live in God. (EXB)  
(1 John 4:16)

To summarize, the alternatives to Voldemort phrases found in English are (among others) *-ever* free relatives, as well as *the one who...*, *everyone who...*, *anyone who...*, and *those who...*. The question that arises at this point is which of these expressions is the closest to Voldemort phrases in its syntactic and semantic behavior.

One clue regarding this question is given in Curme (1912:355f), who notes that diachronically, the combination *he who* is the Modern English variant of Middle English *he that*, which patterns with other Middle English relative clause constructions that derived from Old English demonstrative based constructions, e.g. the Middle English variant of *those that*.<sup>9,10</sup> The Modern English substitution of *who* for *that*, Curme argues, was motivated by the clear restriction of *who* to human relative clause heads that *that* lacks. This proposed development of Voldemort phrases strongly suggests that they should be seen as instances of the class “demonstrative/definite + restrictive relative”—provided that their diachronic development of Voldemort phrases has any bearing on their synchronic behavior.

Hence, the variants given above that are expected to be closest to *he who* are *the one who* and *those who*.

### 3.3. Voldemort phrases and QVE

The conclusion of the last subsection is further supported by the behavior of *he who*, *the one who*, and *those who*, on the one hand, and *whoever*, *anyone who*, and *everyone who*, on the other hand, with respect to quantificational variability effects (QVE) (cf. Lewis 1998 [1975], Berman 1991, Hinterwimmer 2005). In sentences that show QVE, adverbs of quantification, which are standardly used to quantify over times or situations, are used to express quantification over individuals, see (19).

<sup>9</sup> Headed relative clauses with *who/which* have evolved from Old English free relatives, which already contained *wh*-expressions, rather than the demonstrative based Old English restrictive relative clause constructions. For a recent discussion, see Truswell and Gisborne (2014).

<sup>10</sup> Anthony Kroch (p.c.) suggests that the use of *he* in these cases can be connected to the deficient demonstrative paradigm in Middle English. At this stage in the development, the only surviving forms of the Old English demonstratives were the neuter forms, which in Old English were only used for non-human referents. Hence, the use of the personal pronoun *he* could have been a suppletion strategy for generalizations about humans.

- (19) A quadratic equation **usually** has two different solutions.  
 (Lewis 1998 [1975]:7)  
 ≈ Many quadratic equations have two different solutions.

*He who, the one who, and those who* show QVE with adverbs of quantification, see (20). This contrasts with *-ever* free relatives and *anyone who* (Caponigro 2003), see (21).

- (20) a. **He who** blames others is often full of blame himself.  
 ≈ Many people who blame others are full of blame themselves.  
 b. **The one who** tells the lie is rarely the originator of the lie.  
 ≈ Few people who tell a lie are the originators of the lie.  
 c. **Those who** leave are often shunned and rejected by the group.  
 ≈ Many people who leave are shunned and rejected by the group.
- (21) a. **Whoever** comes from Southern Italy is rarely tall.  
 ≠ Few people from Southern Italy are tall.  
 (Caponigro 2003:156)  
 b. **Anyone who** comes from Southern Italy is rarely tall.  
 ≠ Few people from Southern Italy are tall.

For universally quantified expressions, Hinterwimmer (2005) shows that in case they have surface scope over an adverb of quantification, no QVE arises. Hence, *everyone who* in subject position also does not show QVE, see (22).

- (22) **Everyone who** studies in Tübingen usually loves donkey anaphora.  
 ≠ Most people who study in Tübingen love donkey anaphora.

Apart from supporting the conclusion of Section 3.2, the observation that Voldemort phrases allow for QVE provides an important piece of evidence regarding their semantic make-up, which is picked up in Section 4.2.

To summarize this section, it was shown that Voldemort phrases are archaic expressions that are idiosyncratic for English. Their diachronic development and their QVE behavior, however, suggest that their closest modern alternatives are *the one who...* and *those who...*, which fall into the class “demonstrative/definite + restrictive relative”.

## 4. Voldemort phrases in generic sentences denote kinds

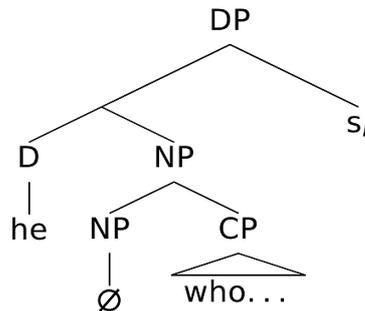
### 4.1. The central proposal and supporting observations

The central idea that I would like to argue for is that Voldemort phrases in generic sentences denote singular kinds.<sup>11</sup> While this might not be the first idea that comes to mind, various observations support this claim. Before discussing these in detail, note that I do not claim that occurrences in episodic sentences like the name-like use given in the introduction are kind-denoting. For these variants, an analysis as individual-denoting expressions—possibly along the lines of Elbourne (2013)—is required.

For the remainder of this paper, I adopt Elbourne's syntactic structure of Voldemort phrases in Figure 1, and the assumption that *he* has the denotation in (23).<sup>12</sup>

$$(23) \quad [[he]]^g = [[she]]^g = [[it]]^g = [[the]]^g = \\ \lambda f_{e, st}. \lambda s: s \in D_s \ \& \ \exists! x \ f(x)(s)=1. \ \iota x \ f(x)(s)=1 \\ (\text{Elbourne 2013:193})$$

Fig. 1: Syntactic structure of Voldemort Phrases



This assumption is supported by the close correspondence in meaning between *he who* and *the one who* argued for in Section 3.

<sup>11</sup> This proposal is similar in spirit to the one given in Hinterwimmer (2008) for free relatives in generic sentences. This similarity fits one of the results of the cross-linguistic discussion in Section 3.1 that free relatives are widely used alternatives to Voldemort phrases in European languages.

<sup>12</sup> Note that this assumption is also compatible with *he* being a diachronically motivated suppletive for a Middle English demonstrative, since demonstratives have been analyzed as “indexical definites” (Elbourne 2008).

Let us now turn to the supporting observations for the claim that Voldemort phrases in generic sentences denote singular kinds. The first observation concerns their contexts of use. In the literature on English kind-denoting expressions, it has been shown that given a suitable context, any English definite singular noun phrase can be used as a kind-denoting expression. This contrasts with the traditional claim that definite singular noun phrases, other than bare plurals, have to denote a “well-established” kind (cf. Krifka et al. 1995), and shows that it is too strict (cf. Dayal 1992).

- (24) a. #The green bottle has a long neck.  
 b. Green bottles have long necks.  
 (Dayal 2004:425)

Dayal observes that the contrast in (24) disappears if a context is introduced in which green bottles form a clear category of bottles. Based on this observation, Dayal (2004:fn30) argues that an appropriate context for definite singular kinds has to provide one or more kinds with which the kind denoted by the definite singular noun phrase is contrasted, i.e. its “contrast set”. This “contrast set” can either be explicitly given or has to be easily inferable. Chierchia (1998) similarly argues that any definite singular noun phrase can denote a “natural kind” (i.e. a singular kind), as long as “sufficiently regular behavior” can be attributed to the class of entities denoted by its descriptive content. Like Dayal, he argues that pragmatic factors and world knowledge play a crucial role.

Given Dayal's and Chierchia's results, showing that generic sentences containing Voldemort phrases occur in contexts that are in line with these results provides support for the claim that the Voldemort phrases in these sentences denote singular kinds. As we have seen above, their contexts of use are constrained: they are found in older versions of the Bible and in proverbs or proverb-like generalizations.

For the Bible texts it can be observed that occurrences of Voldemort phrases are usually used in contrast with one or more other occurrences of Voldemort phrases, see (25).

- (25) **The Law Concerning Violence** (Exodus 21:12–17)  
 12 **He who strikes a man so that he dies** shall surely be put to death.  
 13 However, if he did not lie in wait, but God delivered him into his hand, then I will appoint for you a place where he may flee.  
 14 But if a man acts with premeditation against his neighbor, to kill him by treachery, you shall take him from My altar, that he may die.

15 And **he who strikes his father or his mother** shall surely be put to death.

16 He **who kidnaps a man and sells him**, or if he is found in his hand, shall surely be put to death.

17 And **he who curses his father or his mother** shall surely be put to death.

In (25), the title and the list of generic sentences provide enough context to infer a suitable taxonomy to understand the Voldemort phrases as singular kinds. Additionally, for each class of people a regularity, a common punishment, is stated.

Proverbs and proverb-like expressions meet the pragmatic requirements in a different manner. Proverbs are conventionalized expressions that communicate an “established” generalization: a certain property can be attributed to anyone who falls into a certain class of people, which is a “natural kind” in Chierchia’s sense. Similarly, non-conventionalized proverb-like expressions usually arise as generalizations from one or more specific cases that suggest a general pattern. That is, it is communicated that the relevant class of people denoted by the Voldemort phrase does in fact show “sufficiently regular behavior”.

Another supporting observation is that Voldemort phrases occur in copular sentences with kind-denoting singular definite expressions, e.g. *the artist* in (26).

- (26) **The Artist** is he who detects and applies the law from observation of the works of Genius, whether of man or Nature. (Henry David Thoreau)

Copular sentences have three possible readings: an equational, a predicational, and a specificational reading (cf. Partee 2010). In the equational and the specificational reading the expression following the copula denotes an entity (type *e*); in the predicational reading, a predicate (type  $\langle e, t \rangle$ ). For (26) to support the claim that Voldemort phrases in generic sentences are kind-denoting, it has to be excluded that (26) is predicational.<sup>13</sup> To show that a copular sentence is *not* predicational, it has to be determined whether the expressions related by the copula are reversible, see (27).

- (27) He who detects and applies the law from observation of the works of Genius, whether of man or Nature is **the Artist**. (= (26) reversed)

In addition, naturally occurring examples that show the reverse order can be found, see (28).

<sup>13</sup> Note that singular kinds are seen as entities (type *e*).

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(28) *He who sins is **the slave of sin.*** (John 8:34)

Together these observations suggest that copular sentences like (26) are equational or maybe specificational. This supports the claim that the Voldemort phrase denotes a singular kind.<sup>14</sup>

The final but crucial observation that supports the claim made in this section is the behavior of Voldemort phrases in connection with QVE, which is discussed in detail in the following subsection.

## 4.2. QVE and singular kinds

In Section 3.3 it was shown that Voldemort phrases and their closest alternatives show QVE with adverbs of quantification. Traditionally, the ability to show QVE was seen as a sign of indefiniteness (Berman 1991). Hence, *prima facie* the observation that Voldemort phrases show QVE seems to be a counter-argument for the claim that they are definite descriptions denoting singular kinds. Hinterwimmer (2005), however, shows that QVE and quantificational variability-like behavior can be found with definite expressions as well. Hence in this subsection, I explore whether Hinterwimmer's (2005) account for QVE with definite singular noun phrases can be adopted/adapted for Voldemort phrases, or alternatively whether it can shed light on their contribution in generic sentences.

Hinterwimmer (2005) argues that definite singular noun phrases show quantificational variability-like effects iff

- the definite singular noun phrase bears contrastive topic intonation
- the singleton set denoted by the noun phrase in the complement of the definite determiner varies with the situations quantified over by the adverb of quantification. Crucially, the set of situations quantified over has to be characterizable by a situation predicate that observes the constraint in (29) and can be inferred from the context.

(29) Each situation characterized by the situation predicate can plausibly be assumed to *contain exactly one individual* for the class of individuals described by the definite singular noun phrase and for each of its topic alternatives.

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<sup>14</sup> Since individual-denoting definite descriptions can undergo a type shift and be interpreted as expressions of type  $\langle e, t \rangle$  (cf. Partee 2010), this might not be a particularly strong argument.

The examples in (30-b) and (31-b) illustrate these requirements. The contrastive topic marking of *bride* and *piano-player*, as well as normal sentential stress are indicated by upper case marking.

- (30) a. The BRIDE usually wears a lovely DRESS.  
 b. Mary loves weddings. The BRIDE usually wears a lovely DRESS.  
 c. Mary loves weddings. #The bride usually wears a lovely DRESS.  
 (Hinterwimmer 2005:111)
- (31) a. #The PIANO-player usually is INTELLIGENT.  
 b. I love going to jazz concerts. The PIANO-player usually is INTELLIGENT.  
 c. I love going to jazz concerts. #The piano-player usually is INTELLIGENT.  
 (Hinterwimmer 2005:111)

For examples (30-c) and (31-c), in which the complement of the definite determiner does not bear contrastive topic intonation, it is understood that the denotation of the definite singular noun phrase is fixed, i.e. that a single unique referent is given independently. This effectively blocks QVE. Examples (30-a) and (31-a), in which the sentences are presented without a context, show that whether a suitable situation predicate is inferable depends on world knowledge: while there is a strong association between unique brides and their weddings, unique piano-players are not commonly associated with one single, specific type of situation.

While Hinterwimmer (2005) convincingly argues that his analysis captures the quantificational variability-like effects of definite singular noun phrases, his solution cannot be adopted to account for QVE with Voldemort phrases, see (32) (repeats (20-a)).

- (32) He who blames others is **often** full of blame himself.

None of the examples of QVE with Voldemort phrases observe Hinterwimmer's restrictions: (i) the Voldemort phrase does not bear contrastive topic intonation, and (ii) no class of situations containing single, unique individuals described by the Voldemort phrase has to be inferred for the sentence to be understood.

One possibility to account for why Voldemort phrases do not have to bear contrastive topic stress is to assume that the relative clause suffices to generate alternative classes of individuals. It has been observed that restrictive modification implicates the existence of individuals that are not members of the restricted set (cf. Partee 1975). For instance, *a person who blames others* implicates that there are people who do not blame others.

While this is an important observation, the presence of a restrictive relative clause alone does not suffice to meet Hinterwimmer's second requirement: to infer a situation predicate observing the constraint in (29). For instance, which type of situation contains one person who blames others and one person who does not? Since (32) also does not need an introductory sentence/context to be understood, the QVE found with Voldemort phrases seems to be of a different kind than that described by Hinterwimmer for definite singular noun phrases.

While this result at first seems to be a counter-argument against the assumption that Voldemort phrases are singular definite descriptions, I argue to view it differently: Even though Voldemort phrases that show QVE are definite singular DPs, they do not have the same denotation as ordinary, individual-denoting definite singular noun phrases. They denote singular kinds.

But why should simple definite singular noun phrases be individual-denoting expressions relative to QVE, but Voldemort phrases be kind-denoting? What makes Voldemort phrases special?

The following examples show that in fact Voldemort phrases are not special: (33) provides examples of QVE with simple kind-denoting definite singular noun phrases.

- (33) a. Ancient Malagasy legend states that the aye-aye is a symbol of death, and is viewed as a bad omen by many natives. Due to this unfortunate bad press, **the aye-aye** is **often** killed on sight by superstitious locals.  
 ≈ Many aye-ayes are killed on sight by superstitious locals.
- b. Despite being endangered and protected, **the green sea turtle** is **often** killed in Costa Rica for its meat and eggs.  
 ≈ Many green sea turtles are killed in Costa Rica for their meat and eggs.

Neither (33-a) nor (33-b) can be analyzed as proposed in Hinterwimmer (2005). In fact, the same question arises as for (32): Which kind of situation involves single aye-ayes or single green sea turtles? For (33-a), one possibility would be to assume that the type of situations that is quantified over are meetings of a superstitious local with a single aye-aye. But what should be the case for situations in which a superstitious local meets two or more aye-ayes? These situations seem to be as relevant as meetings with single aye-ayes; it would be implausible to assume that superstitious locals kill aye-ayes only when they meet a single one, but ignore groups.

Note that Hinterwimmer's account cannot be generalized to capture these situations: if the account were to allow meetings between locals and more than one aye-aye to be treated as a sum of situations of a local meeting a single aye-aye, Hinterwimmer's account would be trivialized.<sup>15</sup>

Given the well-formedness of (33-a) and (33-b), the uncertainty regarding the task of naming the sets of situations involved in (33) (which Hinterwimmer predicts to be easily inferable) is another indication that the singular definite descriptions in (33) are not individual-denoting: (33) expresses QVE over instances of kinds.

To sum up Section 4, three pieces of supporting evidence were given for the claim that Voldemort phrases in generic sentences denote singular kinds: (i) their contexts of use, (ii) the use of Voldemort phrases in copular sentences, and (iii) QVE with definite singular noun phrases that are not individual-denoting.

## 5. The formal proposal: Voldemort phrases as singular kinds

In this section, I put forth my formal proposal for the semantic contribution of Voldemort phrases in generic sentences. The proposal is based nearly exclusively on Dayal's (2004) account for definite singular noun phrases.

Dayal (2004) assumes that the source of the kind/individual ambiguity for definite singular noun phrases is the common noun: it can either denote a property of individuals, or one of kind-entities. Irrespective of which type of property the noun contributes, the definite determiner picks out the contextually unique entity from the denotation of its complement. That is, a definite singular noun phrase either denotes the unique individual, or the unique kind-entity denoted by its nominal complement.

For a noun phrase to denote a property of kind-entities, its regular denotation undergoes a shifting process: the denotation is shifted from a set of individuals to a singleton set of kind-entities, see (34-b) for *the dodo* in (34-a).

- (34) a. The dodo is extinct.  
 b.  $[\lambda x.dodo(x)] \Rightarrow [\lambda X.DODO(X)]$

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<sup>15</sup> This change would predict (i) to be acceptable, since each flower-shop situation can be divided into parts containing a single flower (and other unique objects that occur in a flower shop).

(i) ??Peter loves flower shops: the FLOWER usually smells NICE.

Given the discussion in Section 4.1, this shift is only licensed, if a suitable “contrast set” can be inferred. For *dodo*, for instance, the set that is inferred might contain other kinds of animals.

The final step to derive the semantic contribution of *the dodo* in (34-a) is to combine the result of the shift in (34-b) with the regular definite singular determiner. The result is given in (35).

(35)  $\iota X[\text{DODO}(X)]$

Note that kind-denoting singular definite noun phrases are grammatically atomic, but in a certain sense semantically plural since it is always possible to access the instantiations of a kind. For instance, if a kind-denoting definite singular noun phrase combines with an object-level predicate, the result is a characterizing sentence that expresses a generalization about the members of the kind-entity (cf. Krifka et al. 1995, Chierchia 1998). To capture this connection between a kind and its members, Chierchia (1998) introduces a *member-of relation*, which I formalize as in (36).

(36) Chierchia’s (1998) *member-of relation*:  
 $\lambda y.\lambda X.\lambda s.[\text{member-of}(y, X, s)]$

The *member-of relation* holds between an individual  $y$  and a kind  $X$  in a situation  $s$  iff  $y$  instantiates  $X$  in  $s$ , i.e. iff the property of individuals at the core of  $X$  is true of  $y$  in  $s$ . Chierchia’s *member-of relation* can be adopted in Dayal’s system to formalize generalizations about members of a kind. Consider (37).

(37) a. The tiger roars.  
 b.  $\text{Gen } x,s [\text{member-of}(x,\iota Y[\text{TIGER}(Y)],s) \wedge C(x,s)][\text{roar}(x,s)]$

Let us now return to the formal proposal for Voldemort phrases in generic sentences. As stated in Section 4.1, I follow Elbourne (2013) in assuming that third person singular pronouns are phonological variants of the definite determiner which combine with an NP that contains an empty noun which is modified by a relative clause (RC). Since *who* is restricted to humans, I assume that the empty noun is interpreted as *person* or *human*. The resulting denotation of the NP is as given in (38).<sup>16</sup>

(38)  $[[\text{NP}]]^g \sim \lambda x.\lambda s.x \text{ is a person in } s \ \& \ \text{RC}(x)(s)$

<sup>16</sup> Panagiotidis (2003) argues that the empty noun found in pronouns is identical to the common noun *one*, which he argues has no descriptive content. This matches the assumption made for the empty noun, as well as the observation that *the one who...* is a close alternative to *he who...*

Since this NP denotes a set of individuals, Dayal's shift from a set of individuals to a singleton set of kinds may be applied, see (39).

$$(39) \quad \lambda x. \lambda s. x \text{ is a person in } s \ \& \ RC(x)(s) \\ \Rightarrow \lambda X. \lambda s. \text{PERSON-WHO-RC}(X)$$

Recall that the descriptive content contributed by the relative clause is the crucial ingredient that licenses this shift. The (inferred) descriptive content of the phonologically empty noun phrase alone would not suffice to infer the necessary "contrast set".

After applying the shifting process, the result in (39) can combine with the meaning of *he* to yield (40).

$$(40) \quad \lambda s: s \in D_s \ \& \ \exists! X[\text{PERSON-WHO-RC}(X)]. \\ \iota X[\text{PERSON-WHO-RC}(X)]$$

Next, (40) combines with  $s_i$ . The value of this situation variable has to be assigned contextually in such a way that the uniqueness presupposition is observed, i.e. that the set of kinds denoted by the complement is a singular set in the situation assigned to  $s_i$ . I, however, assume that the shifting process applied in (39) results in a situation-independent property of kinds. This is motivated by the consideration that "which type of kind" a kind-entity is, is independent of particular situations. Hence,  $s_i$  can be set to any arbitrary situation by the variable assignment  $g$ . The result of (40) combining with  $s_i$  is given in (41-a) modulo presupposed content. This can be further simplified to (41-b), the final representation of Voldemort phrases in generic sentences.

$$(41) \quad \text{a. } [\lambda s. \iota X[\text{PERSON-WHO-RC}(X)]](g(s_i)) \\ \text{b. } \iota X[\text{PERSON-WHO-RC}(X)]$$

Since in most generic sentences Voldemort phrases combine with object-level predicates—see (42)—Chierchia's *member-of relation* given in (36) needs to be employed to derive their truth-conditional content.

$$(42) \quad \text{a. He who pays the piper } \mathbf{\text{calls the tune.}} \\ \text{b. He who goes cautiously, } \mathbf{\text{goes safely and goes far.}}$$

In analogy to (37), the final formalizations for the sentences in (42) are given in (43).

$$(43) \quad \text{a. Gen } y, s \ [\text{member-of}(y, \iota X[\text{PERSON-WHO-PAYS-THE-PIPER}(X)], s) \wedge C(x, s)] \ [\text{calls-the-tune}(y, s)] \\ \text{b. Gen } y, s \ [\text{member-of}(y, \iota X[\text{PERSON-WHO-GOES-CAUTIOUSLY}(X)], s) \wedge C(x, s)] \ [\text{goes-safely}(y, s)]$$

For the semantic contribution of the covert generic operator *Gen*, it is standardly assumed that it relates two properties similarly to the overt adverbs of quantification *usually* and *normally* (cf. Krifka et al. 1995, Mari et al. 2013). Hence, the two representations in (43) can be paraphrased as in (44).

- (44) a. For all normal members of the kind PERSON WHO PAYS THE PIPER and all normal situations that contain a member of this kind, it is the case that the member of the kind calls the tune.  
 b. For all normal members of the kind PERSON WHO GOES CAUTIOUSLY and all normal situations that contain a member of this kind, it is the case that the member of the kind goes safely and goes far.

## 6. Conclusion

The main results of this paper regarding Voldemort phrases in generic sentences are the following: These sentences convey a statement about a certain class of people in general. This interpretation is not the result of an impersonal use of third person singular *he*, though. I argue that it arises from generic quantification over the members of a singular kind which is contributed by the Voldemort phrase in its entirety. This idea, as well as its formal implementation proposed in Section 5, capture that sentences containing “bare” third person singular pronouns cannot express statements about people in general—the relative clause is a crucial ingredient.

Cross-linguistically, it was shown that the use of Voldemort phrases in generic sentences is an idiosyncrasy of English, and that other European languages employ either free relatives or a definite/demonstrative pronoun modified by a restrictive relative clause to express the same general statements.

## 7. References

- Berman, Stephen (1991). *The semantics of Open Sentences*. PhD thesis, University of Massachusetts, Amherst.  
 Caponigro, Ivano (2003). *Free Not to Ask: On the Semantics of Free Relatives and Wh-words Cross-linguistically*. Doctoral Dissertation, University of California, Los Angeles.  
 Chierchia, Gennaro (1998). Reference to Kinds Across Languages. *Natural Language Semantics* 6, 339–405.  
 Curme, G. O. (1912). A History of English Relative Constructions. *Journal of English and Germanic Philology* 11, 355–380.

- Dayal, Veneeta (1992). The Singular-Plural Distinction in Hindi Generics. *Proceedings of SALT II, OSU Working Papers in Linguistics* 40, 39-58.
- Dayal, Veneeta (2004). Number Marking and (In)Definiteness in Kind Terms. *Linguistics and Philosophy* 27, 393-450.
- Elbourne, Paul (2008). Demonstratives as individual concepts. *Linguistics and Philosophy* 31, 409-466.
- Elbourne, Paul (2013). *Definite Descriptions*. Oxford: OUP.
- Hinterwimmer, Stefan (2005). *Q-adverbs as Selective Binders: The Quantificational Variability of Free Relatives and Definite DPs*. Doctoral Dissertation, Humboldt-Universität zu Berlin.
- Hinterwimmer, Stefan (2008). Why Free Relatives Sometimes Behave as Indefinites. In T. Friedman & S. Ito. (eds.), *SALT XVIII*.
- Kitagawa, Chisato & Adrienne Lehrer (1990). Impersonal uses of personal pronouns. *Journal of Pragmatics* 14, 739-759.
- Koehn, Philipp (2005). *Europarl: A Parallel Corpus for Statistical Machine Translation*, MT Summit 2005.
- Krifka, Manfred, Francis Jeffrey Pelletier, Gregory N. Carlson, Alice ter Meulen, Gennaro Chierchia & Godehard Link (1995). Genericity: An Introduction. In G. Carlson & F. J. Pelletier (eds.), *The Generic Book*. University of Chicago Press, pp. 1-124.
- Lewis, David (1998 [1975]). Adverbs of quantification. In D. Lewis (ed.) *Papers in philosophical logic*. Cambridge: CUP, pp. 5-20.
- Malamud, Sophia A. (2006). *Semantics and pragmatics of arbitrariness*. Doctoral Dissertation, University of Pennsylvania.
- Mari, Alda, Claire Beyssade & Fabio del Prete (2013). Introduction. In A. Mari & C. Beyssade (eds.), *Genericity*. Oxford: OUP, pp. 1-92.
- Partee, Barbara (1975). Montague grammar and transformational grammar. *Linguistic Inquiry* 6, 203-300.
- Partee, Barbara (2010). Specificational copular sentences in Russian and English. In A. Grønn & I. Marijanovic (eds.), *Russian in Contrast, Oslo Studies in Language* 2(1), 25-49
- Panagiotidis, Phoevos (2003). One, empty nouns and theta-assignment. *Linguistic Inquiry* 34, 281-292.
- Patterson, Gary & Ivano Caponigro (2014). *The puzzling degraded status of who free relative clauses in English*. Ms. UCSD.
- Tredinnik, Victoria Ann (2005). *On the Semantics of Free Relatives with '-ever'*. Doctoral Dissertation, University of Pennsylvania.
- Truswell, Robert & Nikolas Gisborne (2014). *Quantificational Variability and the Genesis of English Headed Wh-relatives*. Talk presented at Sinn und Bedeutung 19.
- Zobel, Sarah (2014). *Impersonally Interpreted Personal Pronouns*. Doctoral Dissertation, Universität Göttingen.