Causal reference and inverse scope as mixed quotation

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Mixing mention and use

Pure/direct quotation

Quine says 'quotation has a certain anomalous feature.'

Indirect quotation

Quine says quotation has a certain anomalous feature.

Mixed quotation

Quine says quotation 'has a certain anomalous feature.'

(Davidson 1979)

Most speech is made of mixed quotes.

▶ Empirical observations

Nested mixed quotes Mixed quotes of constructions

The essence of mixed quotation

A sketch of a formalization Formal languages

The prevalence of mixed quotation

Names, definitions, non-coinages Quantification and polarity

Internalizing interpretation

A mixed quote means what someone uses the quoted expression to mean (Geurts and Maier 2003).

The journalist

The president said he has an 'ecelectic' reading list.

The politician

I am sorry to have used an 'epithet'.

Nested mixed quotes

The journalist

The politician said she is 'sorry to have used an 'epithet''.

Just like mixed-quoting any other form.

Nested mixed quotes

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Just like mixed-quoting any other form.

The journalist

The politician admitted that she 'lied [her] way into [her job]'.

The politician

It is a long story how I lied my way into this despicable position of deception.

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Mary

John doesn't know much French, but he thinks he does and tries to show it off whenever possible. At dinner, he ordered not '[some dessert] à la mode' but 'à la mode [some dessert]'.

John

I would like some à la mode [apple pie] please.

Abbott 2003: Mixed quotes of non-constituents? Mary allowed as how her dog ate 'odd things, when left to his own devices'.

Mary

Fido devoured odd things, when left to his own devices.

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Mary

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Not Mary

Whereas under human supervision Fido ate odd things, when left to his own devices he would only eat Nutrapup.

Constructions are meaningful non-constituents?

The journalist: semantic interjection

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The politician

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The journalist: semantic interjection

The politician admitted that she 'lied [her] way into [her job]'.

The politician

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The journalist: syntactic interjection

The secret guide suggested that interested eaters 'kiss up to [name redacted], class of 2008, for a good meal' at the lvy.

The secret guide

You should kiss up to John Doe, class of 2008, for a good meal if you are interested.

The journalist: semantic interjection

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The politician

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Use notation from multistage programming languages.

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A construction has a form (function) and a meaning (function). For a mixed quote:

▶ The form is

Qf

where f is a form.

For example,

$$Qfx_1 \dots x_n = \overline{\ } \cap (f([\![\ \cap x_1 \cap \bar{]}]) \dots ([\![\ \cap x_n \cap \bar{]}])) \cap \overline{\ }$$

in written English.

► The meaning is

 $\iota g. x$ uses the form f to mean g

with unresolved anaphora and presupposition

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The meaning is

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Formal languages

Code switching

Alice said $\Gamma(2)$ is negative.

Paraphrase

Alice said what mathematicians use $\Gamma(2)$ to mean is negative.

A mixed quote is an interpreted Gödel number.

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A causal chain of naming

!「!「!「... Aristotle ... ¬¬¬

Perhaps with generic events and institutional speakers.

A causal chain of naming

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Definitions

Let
$$e = \lim_{n \to \infty} (1 + \frac{1}{n})^n$$
. The number $e^{i\pi}$ is equal to -1 .

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Non-coinages

```
!^{\[}[!^{\[}Aristotle]] saw [!^{\[}[!^{\[}him]]'s sister]]
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Scope freedom in mixed quotes?

Names take scope differently from ordinary mixed quotes (Michael Johnson, p.c.).

- 1. Quine might have said that quotation 'has a certain anomalous feature'.
- It might have been the case that Aristotle was not named 'Aristotle'.

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Ordinary constructions allow wh-extraction and quantifying-in.

- 1. Who did !\[\(\big| \left[\frac{1}{4} \ristotle \right] \] see \(\big| \big| \big|^? \)
- 2. !\[^\[!\]Aristotle\] saw \[^\[nobody\]\]

Think of a quantifier as a meta-construction, as usual. Suppose construction abstraction is not freely available.

everyone : (e o t) o t

someone : (e
ightarrow t)
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Everyone saw Mary.

Mary saw someone.

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everyone : $(e \to t) \to t$ Everyone saw Mary. someone : $(e \to t) \to t$ Mary saw someone. someone : $(e \to e' \to t) \to (e' \to t)$ Everyone saw someone. someone : $(e' \to e \to t) \to (e' \to t)$ Everyone saw someone.

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Want to maintain uniform left-to-right evaluation.

Inverse scope

Mixed-quote the scope of the later quantifier "Someone saw %[everyone].
For everyone y, the sentence "Someone saw %[y] is true.

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Polarity licensing
Alice introduced nobody to anybody.

Inverse scope

Mixed-quote the scope of the later quantifier $\[\[\] \]$ Someone saw $\[\] \[\] \]$ is true.

Polarity licensing
Alice introduced nobody to anybody.

No inverse polarity licensing

*! [Alice introduced anybody to %[nobody]]. For nobody y, the sentence [Alice introduced anybody to %[y]] is true.

Conclusion

Most speech is made of mixed quotes.

- Names
- Definitions
- Non-coinages
- Quantifier scope

Quotation is modality.

What does 'use to mean' mean?