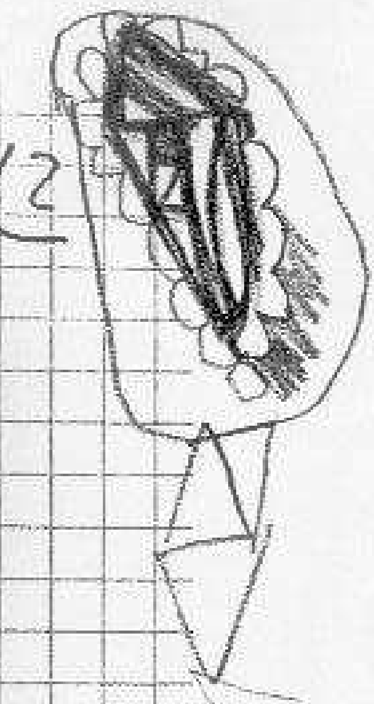

Logical and Methodological Reflections on Certain Meaning Postulates

A'dam 30.8.84

0. Constraints on Meaning Postulates

- Indirect interpretation:

(i) $L_\ell + \mathfrak{M}_\ell$

(ii) $T : L_n \longrightarrow L_\ell$

(iii) restriction ℓ : $\mathfrak{M}_\ell^\ell \subseteq \mathfrak{M}_\ell$, induces $\mathfrak{M}_n^\ell$

(EP) If m and m' are models for L_ℓ and $T(m)$ and $T(m')$ are L_n-equivalent, then:

$$m \models \Pi \text{ iff } m' \models \Pi.$$

1. Kurt's Problems

(KP) $\bigwedge x \bigwedge Q \Box [\Sigma({}^\wedge\mathcal{J}(Q))(x) \Leftrightarrow Q\{\hat{y}\,\Sigma({}^\wedge\mathcal{J}(y^*))\}(x)]$

(P1) (KP) is 'non-compositional'

(P2) (KP) is not general enough : complex VP's

(P3) — " — : transparent readings of opaque verbs

2. Arnim's Solution

(AP) $\bigwedge \mathcal{R}\,(Tr(\mathcal{R}) \rightarrow \Box \bigwedge x \bigwedge Q$
$[\Sigma({}^\wedge\mathcal{R}\{Q\})(x) \Leftrightarrow$
$Q\{\hat{y}\,\Sigma({}^\wedge\mathcal{R}\{\hat{P}\,P\{y\}\})(x)\}])$

(2-1) $\Box \bigwedge x \bigwedge Q\,[\,\mathcal{R}\{x, Q\} \Leftrightarrow Q\{\hat{y}\,\mathcal{R}\{x, \hat{P}\,P\{y\}\}\}\,]$

(2-3) $\bigwedge x\, \Box \bigwedge Q \bigwedge R$
$[[\hat{P}\,\Sigma(P)(x)]\{\hat{z}\,Q\{\hat{y}\,R\{z,y\}\}\}]$
$\Leftrightarrow Q\{\hat{y}\,[\hat{P}\,\Sigma(P)(x)]\{\hat{z}\,R\{z,y\}\}\}]$

3. Scopeless Quantifiers

(3-1) $\{x \in D \mid \{y \in D \mid x\,r\,y\} \in q'\} \in q$
$\Leftrightarrow \{y \in D \mid \{x \in D \mid x\,r\,y\} \in q\} \in q'$

(3-3) q scopeless $\Leftrightarrow q = x^*$, for some $x \in D$

(3-9) $\models \bigwedge R\, \Box\,[\,\underline{Q}\{\hat{x}\,\underline{Q'}\{\hat{y}\,R\{x,y\}\}\}$
$\Leftrightarrow \underline{Q'}\{\hat{y}\,\underline{Q}\{\hat{x}\,R\{x,y\}\}\}\,]$

Q <u>purely extensional</u> : iff : $P_0(i) = P_1(j)$ implies
$P_0 \in Q(i)$ iff $P_1 \in Q(j)$

(3-12) Q is scopeless iff $\models \underline{Q} = [\hat{P}\,P\{x\}]$, f.s. x

4. Factivity and Triviality

(4-1) $\bigvee f\, \Box\, (\Sigma = \lambda P \lambda x\, P\{f(x)\})$

(F) $\Box \bigwedge P \bigwedge x\, (\Sigma(P)(x) \rightarrow P\{x\})$

(AP) $\equiv (\Sigma = \lambda P\, {}^\vee P)$

5. Compositionality

(5-1) $g = \Sigma \circ \mathcal{J}$

π <u>establishes</u> R <u>among</u> $\alpha_1, \ldots, \alpha_n$:⟺ for all $\mathcal{B}$, m:
(m based on $\mathcal{B} \Rightarrow m \in \mathfrak{M}_n^{\{\pi\}} \Rightarrow$
$R(\|\alpha_1\|^{\mathcal{B}}, \ldots, \|\alpha_n\|^{\mathcal{B}})$.

(P4) <u>I exist</u>

(P5) <u>seek</u> = <u>try to find</u>

(P6) Compositionality of what?

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