

Infrastrukturealisme

Infrastructuralism

Digitizing Sources of Danish Structural Linguists

Mapping Structuralism



1. The *Corpus*

“There is a great task of saving and publishing all of Louis' sketches which he didn't succeed in finishing but which are, I know, full of ideas which for long years will enrich and fructify international science”

(R. Jakobson to V. Hjelmslev, July 13th 1965)

- The project “Infrastructuralism” (Infrastrukturalisme), financed by Carlsberg Foundation, aims to build up an international interactive infrastructure for the study of structuralism, and more specifically an integrated repository of the digitalized correspondence and unpublished documents of the most important Danish structural linguists.
- The first steps of the project, involving the constitution of the *corpus* and its proper transcription and digitalization, shall lead to the central phase, providing the framework and the theoretical discussion of the material, making it available to the scientific community

Linguistic Circle of Copenhagen

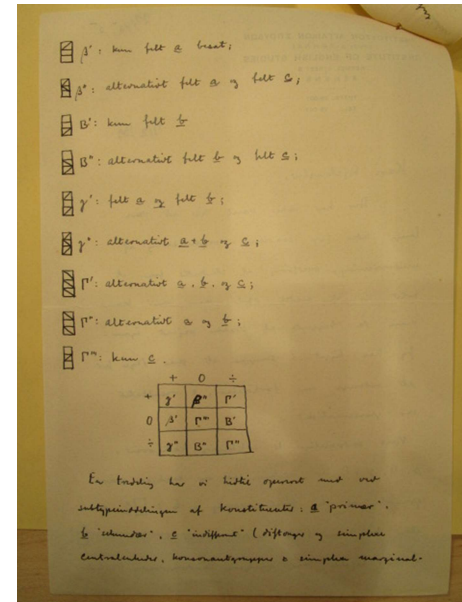
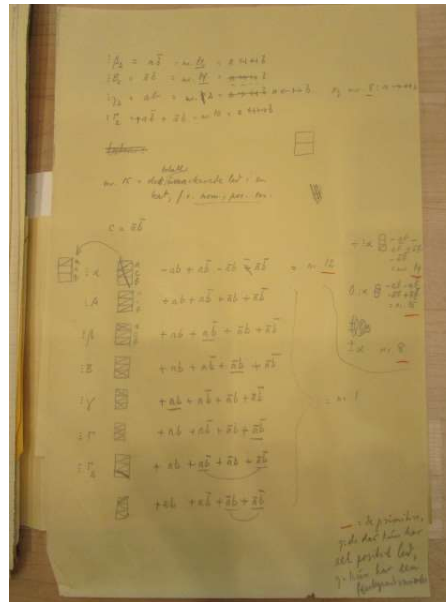
- Viggo Brøndal (1887-1943)
- Louis Hjelmslev (1899-1965)
- Paul Diderichsen (1905-1964)
- Jens Holt (1904-1973)
- Hans Christian Sørensen (1911-?)
- Hans Jørgen Uldall (1907-1957)
- Knud Togeby (1918-1974)
- Eli Fischer Jørgensen (1911-2010)

Main idea

- Published works prove to be decisive in establishing new ideas or new frameworks for old ideas
 - syntagmatic dimension of theorization
- The «dark side of the moon» of every scientific research: sources
 - genetic or «paradigmatic» dimension
 - how theories are established as such, through collective brainstorming, mutual influences, reformulations, interferences, exchange of ideas
 - Specific textual support: drafts, letters, notes, comments, sketches
- Main focus: Hjelmslev's archives
 - already well organized
 - 167 folders
 - central figure for structural linguistics, semiotics and epistemology

Two types of documents

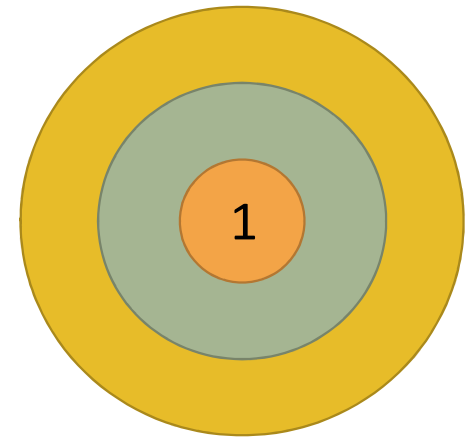
- A. Correspondence: theoretical exchange (letters)
- B. Unpublished manuscripts (notes and images)





A. Correspondence: theoretical exchange

Who and why?



1. Main core: *L. Hjelmslev - H. J. Uldall* correspondence

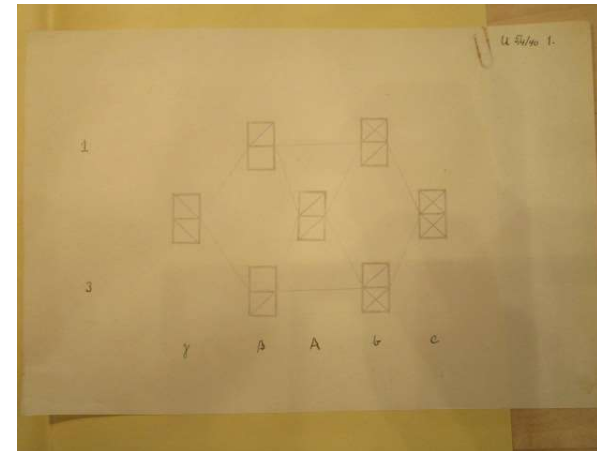
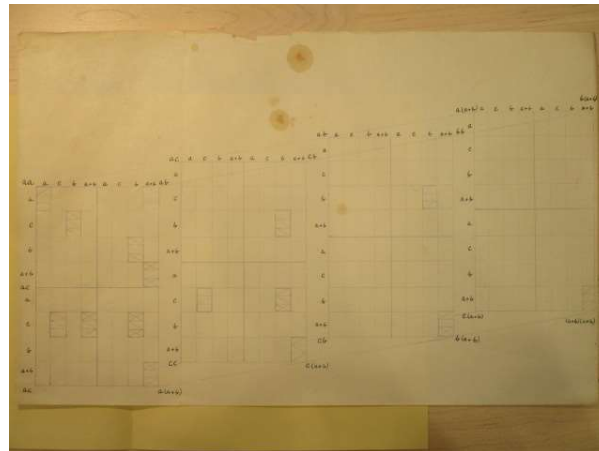
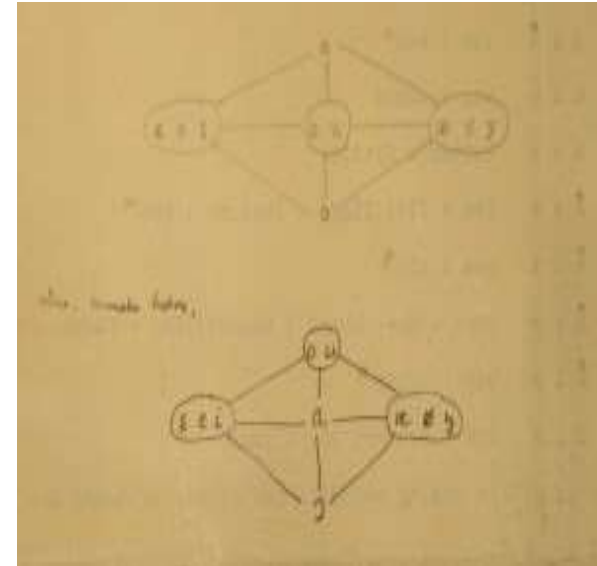
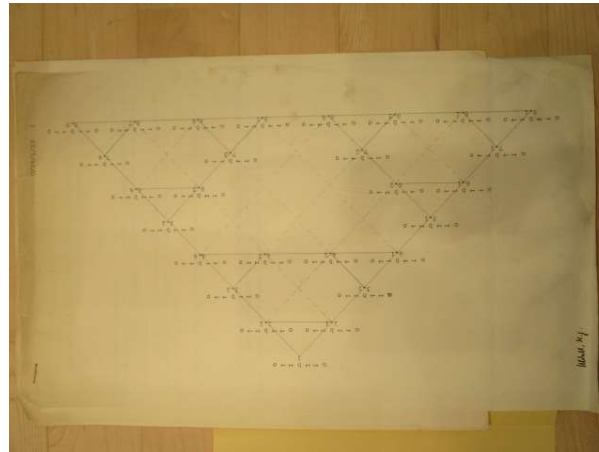
- up to 1440 items (476 letters, almost all of them purely discussing theoretical issues)
- explicitly labelled as «Kenematisk korrespondance» or «Glossematisk korrespondance»
- allow a glimpse on the elaboration of two different versions of glossematics – two «algebras» – before the «schism»

[*Prolegomena + Résumé*] vs. [*Outline of glossematics*]

A. Correspondence: theoretical exchange

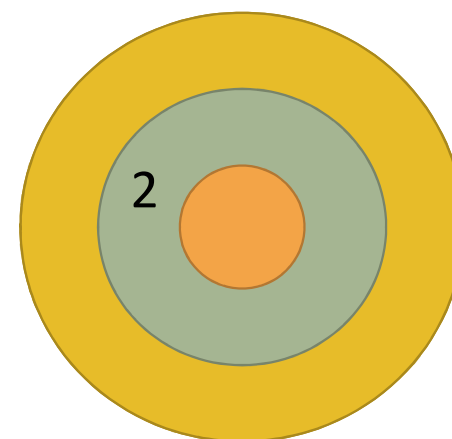


For specific reasons of “diagrammatic reasoning”, the correspondence between Uldall and Hjelmslev is quite difficult to digitize:





A. Correspondence: theoretical exchange



Who and why?

2. Collateral domains: collaborators and «pupils» (school ?)

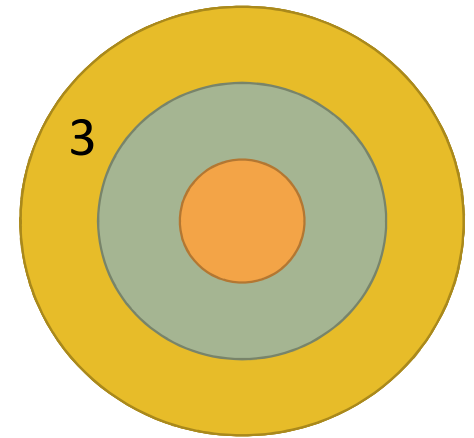
- *F. J. Whitfield*: edition, role in preparing the *Résumé*; applications to Polish
- *Eli Fischer Jørgensen*: role of «substance», study of expression (phonetics, phonotactics)
- *Jens Holt*: semantics, study of linguistic content («pleremics»), contribution to markedness
- *Hans Christian Sørensen*: contribution to markedness, semiotic description of natural numbers' system
- *Paul Diderichsen*: contribution in syntax, «Helhed og Struktur»

A. Correspondence: theoretical exchange

Who and why?

3. Peripheral or episodic contacts

- Y. Bar-Hillel
- R. Jakobson
- S. Karcevskij
- S. Ranulf
- Bohr (Margrethe)
- E. Benveniste
- A. Martinet
- A. Ross



B. Unpublished material

New documents, new sources on glossematics:

- Whitfield's *Strata of Definitions*
- Hjelmslev's *Forelæsninger over Sprogteori* (1942-43)
- Drafts of *Sprogsystem og Sprogforandring* (1934)
- Notes on metalanguage, markedness theory
- Drafts on *Catégorie des cas* III (never published) – see further

2. General Interest

Why delving in the past? A not-yet fully exploited paradigm

An alternative paradigm

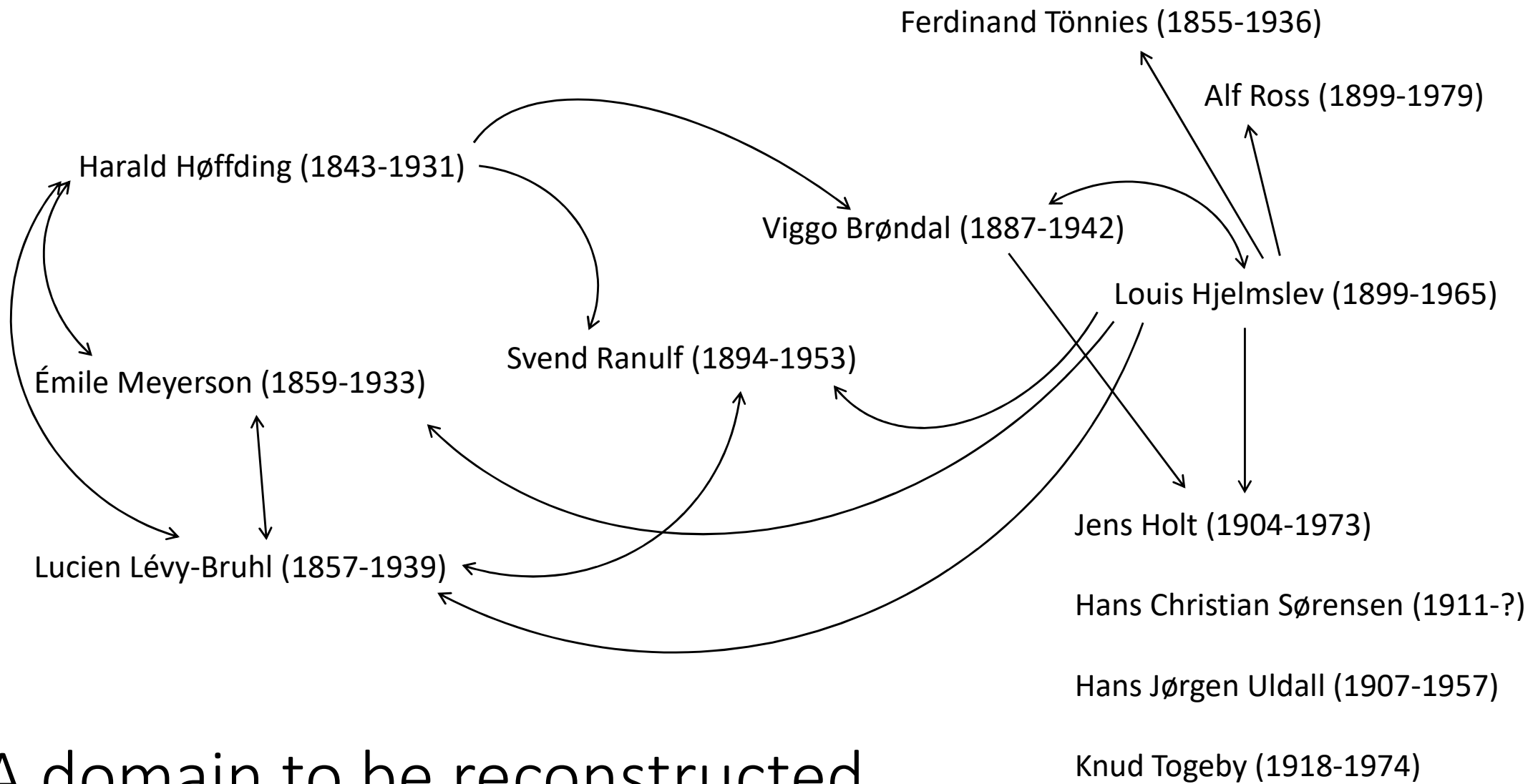
“oh Chomsky, where is thy victory? oh Cognitivism, where is thy sting?”

Fits the framework of other projects about the “renaissance” of structuralism and collateral domains (phenomenology):

- Ferdinand de Saussure
- Emile Benveniste
- Roman Jakobson (section of correspondence: Giuseppe D'Ottavi & Viggo Bank Jensen)
- Open Commons on Phenomenology (<http://open.org/>)

3. Specific Interests

- understanding formalization: participation/markedness (Hj-Uldall) + principle of fuzzy identity
- Mapping intertwined tendencies: French + German tradition, Gestalt, Mereology, Neokantism
- *Aufhebung* of trivial oppositions
- “Minimal mereology”: mereology often assumed to be another decisive component of Structuralism: what about a contribution of Danish structuralism to mereology
- Central idea: language has less to do with communication or information, as with experience and thought themselves



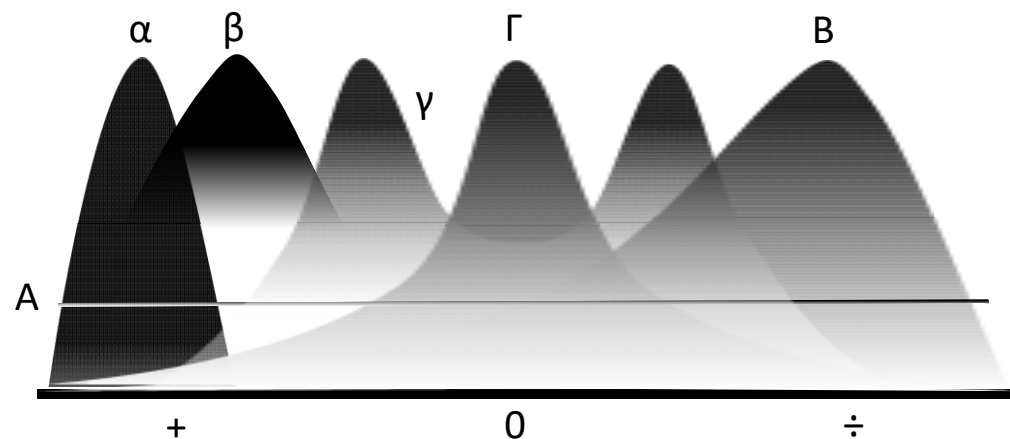
A domain to be reconstructed...

Getting beyond some preconceptions

- no “words & phrases” approach
- no “concepts & sounds” approach
- no “logic vs. sentiment”
- no “abstract vs. concrete”
- no “conceptual vs. perceptual”
- no “realism vs. nominalism”

Pushing formalism further

- Idea: “to describe the possible organization of categories in all linguistic worlds”
- “Systemic organization” of categories : principles given in *Catégorie des cas* (1935, 1937)
- Not just “distributional” but “reductional”
- Not “atomistic” reduction



		A			
		$\div\beta$	B	γ	Γ
$\div\alpha$	$\div\alpha$	E II Sb	DI I	In	Ab
	A	Sl	Spl	Ps	Cm
	β	E I Sb	DI II	G	Cp
	B	Sv	Spd	D	Am
	γ	Prs Sb	Prs Sp	Eq	Si II
	Γ	Sb	Sp	Si I	N

		0 α			
		$\div\beta$	B	γ	Γ
$\div\alpha$	$\div\alpha$	E II Ce	E II Pst	E II	E II Ads
	A	II Ce	Pst	II	AI
	β	E I Ce	E I Pst	E I	E I Ads
	B	Cv Ce	Pst	Cv L	Cv
	γ	Prs Ce	Prs Pst	Prs L	Prs Ads
	Γ	Ce	Pst	Ine	Ads

from 48 cases (taxemes) of *lak* to 12 glossems

Pushing formalism further

- We have only annotations or hints about “systemic change”
- also conceived in terms of mereology

«concrete state»		«abstract state»
Part of an «aggregate»	Part of a «whole»	A «whole»
<i>Diachrony</i> (the evolution of a detail)	<i>Metachrony</i> (the movement of the whole category)	<i>Panchrony</i> (language as system of systems)

«weak universality» (G.-M. Roth,
*Grundriss der reinen allgemeinen
Sprachlehre*, 1815) + Husserl terminology

	A	+β	B	γ	Γ
+α	E II Sb	DI I	In	Ab	
A	Sl	Spl	Ps	Cm	
β	E I Sb	DI II	G	Cp	
B	Sv	Spd	D	Am	
γ	Prs Sb	Prs Sp	Eq	Si II	
Γ	Sb	Sp	Si I	N	

0α	+β	B	γ	Γ
+α	E II Ce	E II Pst	E II	E II Ads
A	II Ce	Pst	II	AI
β	E I Ce	E I Pst	E I	E I Ads
B	Cv Ce	Psd	Cv L	Cv
γ	Prs Ce	Prs Pst	Prs L	Prs Ads
Γ	Ce	Pst	Ine	Ads

Some images

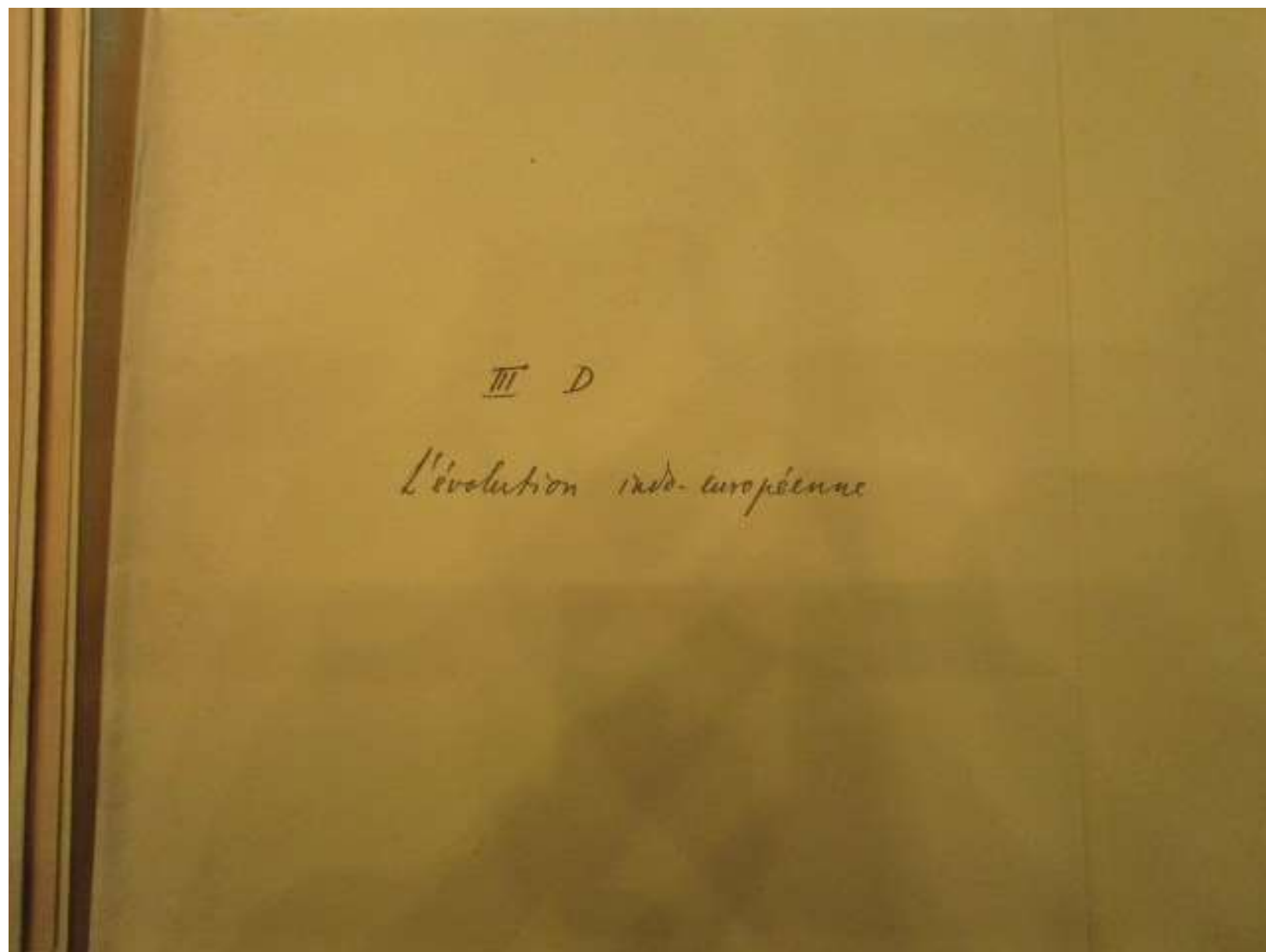
Kps 97 (342)

La catégorie des cas II

Le système verbal du latin

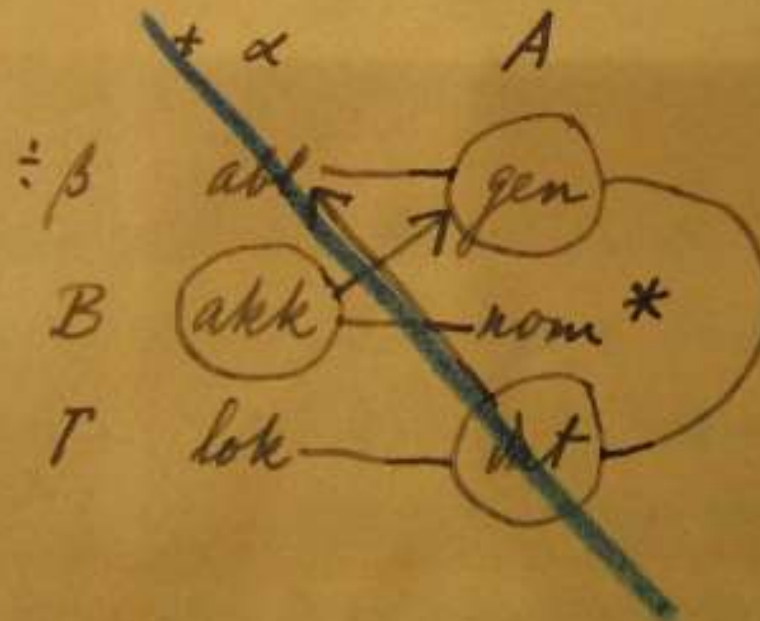
L'évolution indo-européenne

Kps 97 (360)



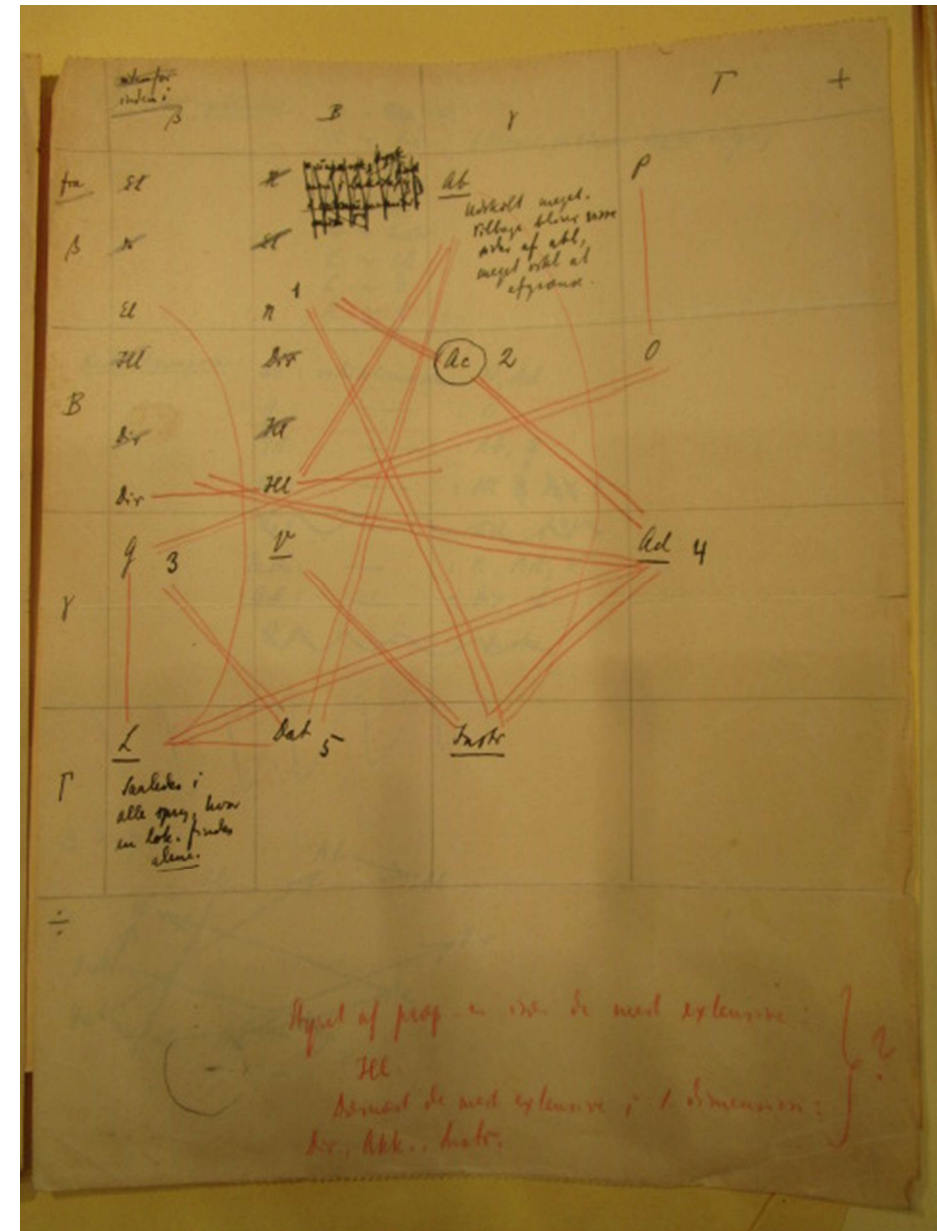
Kps 97 (399)

Men skemaet er reduceret, og ~~der~~ følger er,
at karotidallet automatisk begynder at synke:
10 > 6 :



~~7 Se enkelte elve i.e. spring (børnet fra~~

Kps 97 (572)



Kps 125 (55)

grøn

17/40

Glossematik

Serlig vigtige optegnelser

Kps 125
(79, 119)

Jan. 42

as 7 * sb :: $(\frac{1}{2}pm, \frac{1}{2}pf)$ st 7 $(\frac{1}{2}p, \frac{1}{2}i)$:: $(\frac{1}{2}pm, \frac{1}{2}pf)$ *se p. 20 quinquies*
Handoperation: Lylabumer π_p^s *inversenMoles.*

Treue änderen: Lylabematik. st 7 sb :: $(\frac{1}{2}pm, \frac{1}{2}pf)$

st * $g^{\frac{1}{2}n+n} :: g^{\frac{1}{2}n+n+1} :: g^{\frac{1}{2}n+n+2} :: \dots :: g^{\frac{1}{2}n+n+n} = G :: g$
st * $g^{\frac{1}{2}n+n} :: g^{\frac{1}{2}n+n+1} :: g^{\frac{1}{2}n+n+2} :: \dots :: g^{\frac{1}{2}n+n+n} = \Gamma :: g$
st * $g^{\frac{1}{2}n+n} :: g^{\frac{1}{2}n+n+1} :: g^{\frac{1}{2}n+n+2} :: \dots :: g^{\frac{1}{2}n+n+n} = G :: g$

st st st
~~st * $g_p :: \text{primare} = \alpha p^s, \text{sekundäre} =$~~
st * $g_p :: \text{primäre} \text{ of sekundäre} = \alpha p^s \text{ of } \alpha p^s$
st * $g_p :: \text{primäre} = \alpha p^s, \text{sekundäre} = \pi_p^s$ *As composite*
 π_p^s *inversenMoles.*

st * $g_p :: \text{primäre} = p^s, \text{sekundäre} = p^s$

st * $p_p^s :: \text{centrale} = \frac{p^s}{R^n}, \text{marginale} = \frac{p^s}{R^n} + D^n$
 $\alpha p_p^s :: \alpha + 2$

st * $p_p^s :: \frac{p^s}{R^n} + P^n, D^n$
 $\pi_p^s ::$ *alldit bitohedersomende dele, ikke alldit bitohedersomende dele*

st * $p_p^s :: R^n, D^n$
 $p_p^s ::$ *alldit bitohedersomende dele, ikke alldit bitohedersomende dele*

st * $R^n, D^n :: R_i \text{ of } R_f, D_i \text{ of } D_f$

Taxier * p_p^s *inversenMoles*

st * $P^n, D^n :: P_i \text{ of } P_f, D_i \text{ of } D_f$
 π_p^s *inversenMoles*

st * $R^n, D^n :: R_i \text{ of } R_f, D_i \text{ of } D_f$
 p_p^s *inversenMoles.*

~~st * $R_i, R_f, D_i, D_f :: R_p, R_s, D_p, D_s$
 π_p^s *inversenMoles.* (Formemålti kten konstant.)~~

st * $R_i, R_f, D_i, D_f :: R_p, R_s, D_p, D_s = g; \alpha p_p^s :: g$

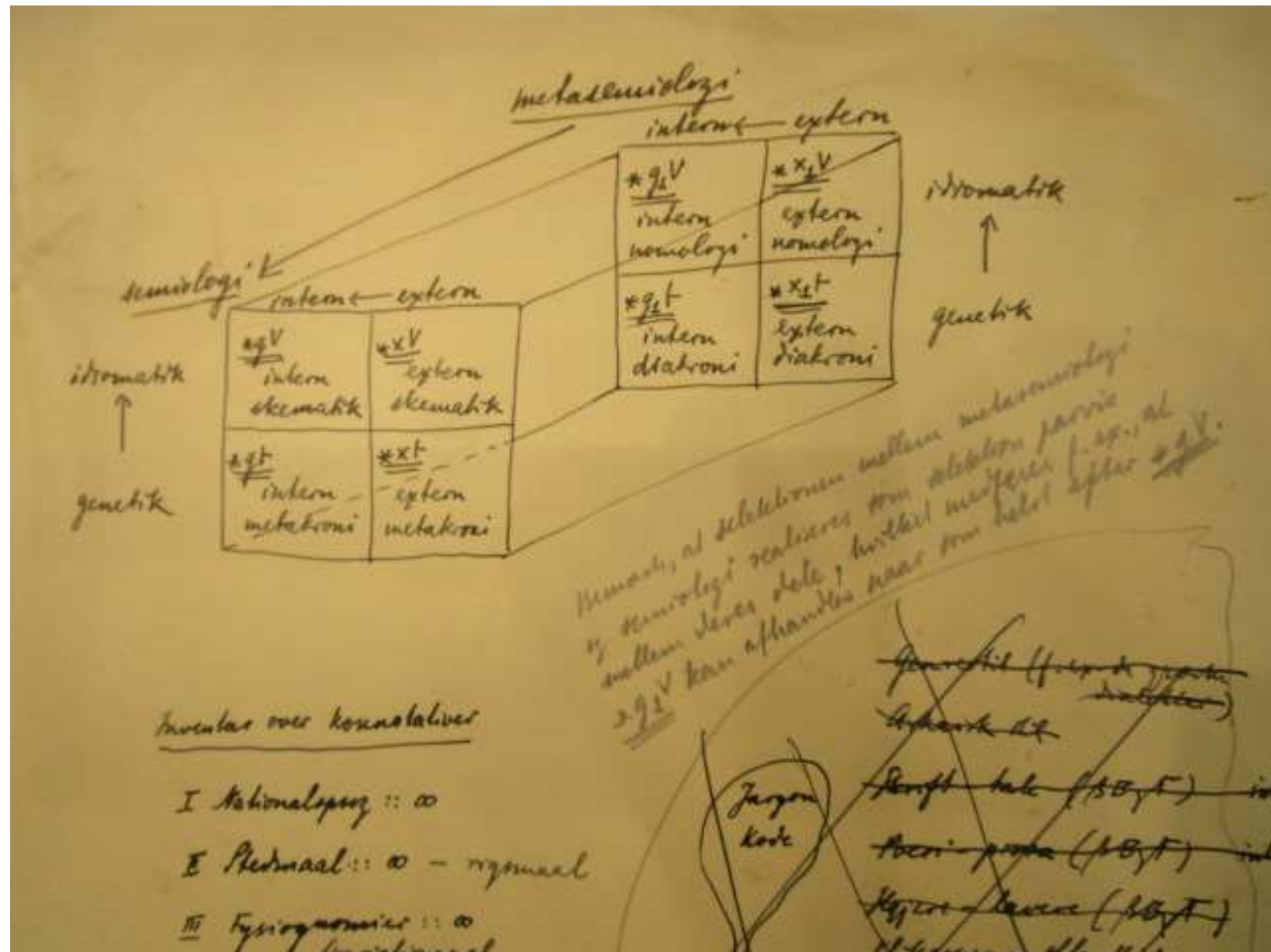
Taxier st * $P_i, P_f, D_i, D_f :: P_p, P_s, D_p, D_s = \gamma; \pi_p^s :: \gamma$

st * $R_i, R_f, D_i, D_f :: R_p, R_s, D_p, D_s = g; p_p^s :: g$

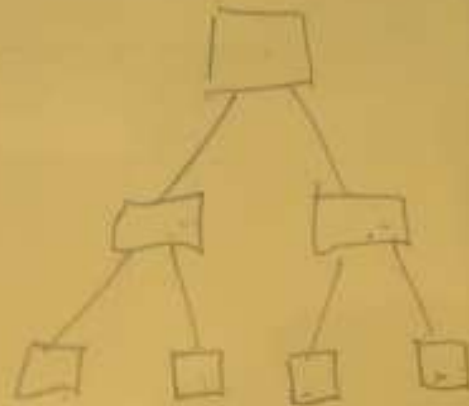
- 1° Symptomen, herinder
- 2° Symbolen (aansg lit en „tanke par“-proces:
S faar O lit at „tanke par“ D)

Signaler

Kps 125 (91)



Kps 125 (126)



Frege, *Gedankengefüge* (has *Argumen*) ^{Leaves *seiner*}
Russell, *Principles of Mathematics*: ^{See as *later*}
class as one, ~~set~~ (belong?) ^{see *maybe*}
— many — (Klassifikation?)

Kps 125
(310, 217)

Handwritten notes and diagrams on a page from Kps 125.

Top section: Contains several small diagrams and text blocks. One diagram shows a sequence of numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Middle section: Contains a large diagram with a grid of numbers and text. The grid is labeled with numbers 1 through 100. The text includes "Kps 125" and "Kps 126".

Bottom section: Contains a large diagram with a grid of numbers and text. The grid is labeled with numbers 1 through 100. The text includes "Kps 125" and "Kps 126".

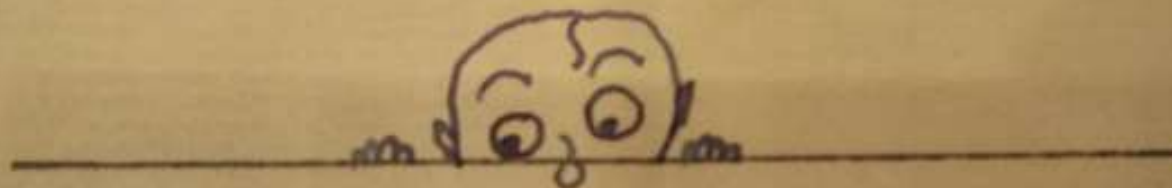
Handwritten notes and diagrams on a page from Kps 126.

Top section: Contains a large diagram with a grid of numbers and text. The grid is labeled with numbers 1 through 100. The text includes "Kps 126" and "Kps 127".

Middle section: Contains a large diagram with a grid of numbers and text. The grid is labeled with numbers 1 through 100. The text includes "Kps 126" and "Kps 127".

Bottom section: Contains a large diagram with a grid of numbers and text. The grid is labeled with numbers 1 through 100. The text includes "Kps 126" and "Kps 127".

THE ROYAL GLOSSEOMATIC SOCIETY
Analysts & Distillers
ORDRUP HILL SECTION



W O T ! !

NO SUBSTANCE ?