

Drawing a Hypothesis

Figures of Thought

A Project by
NIKOLAUS GANSTERER



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Drawing a Hypothesis

Figures of Thought

A Project by Nikolaus Gansterer

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Nikolaus Gamslerer

Completed the years between 2005 and 2011.

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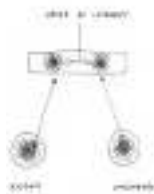


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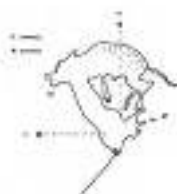


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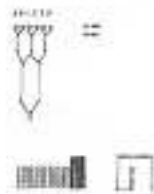


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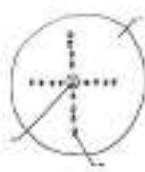


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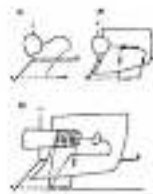


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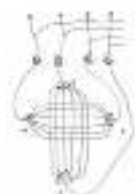


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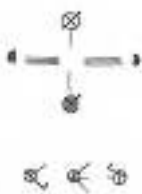


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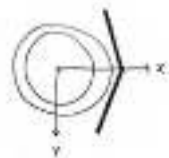


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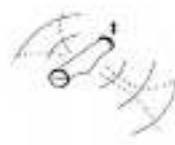


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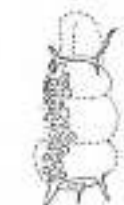


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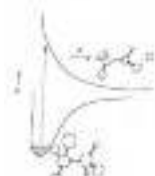


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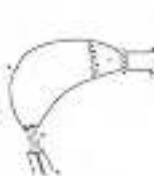


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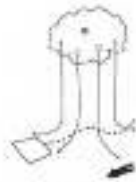


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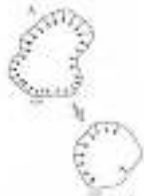


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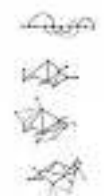


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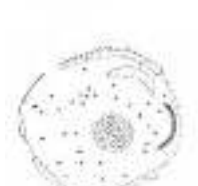


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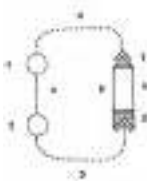


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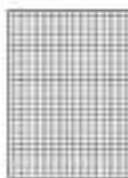


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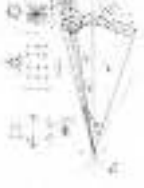


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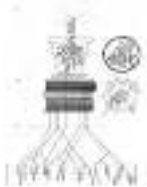


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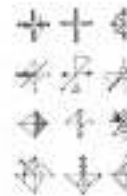


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— Preface —

DRAWING A HYPOTHESIS

Nikolaus G. Trübner

The idea for this book originated during a two-year research project of the Jan van Eyck Academie in the Netherlands. My long-held fascination for diagrams, maps, networks and the graphical focus of visualising complex, non-linear, abstracted or to quote of the title, from an inside point of view. This book has arisen from a five-year exchange with theoretical, scientific and artists on the question of the (political) potential of diagrams.

I began intuitively, by feeling, ordering and studying diagrams from books and the internet. Looking to understand how information is visually constructed within these representations, I internalised the language of images for myself by removing it. From this emerged a constructive practice which is still growing. The longer I worked with the material, the more I found myself asking how these figures were to be read, prior to their conventionalized between image, symbol and drawing. Moreover, how do they in turn configure our thought processes? What narrative forms can be found in these drawn objects of thought? And what happens when figures are removed from their original context? What action potential is the other than?

Thinking Drawing – The part of diagrams and images and symbols is a permanent part of our daily perception. The cognitive act of perceiving, translating and ordering occurs continuously when we experience thoughts and receive or process information. This process always happens through the establishing of relations and through drawing connections: the structures of the semantic relationships established in the cultural organization of our brains allows us to interact with others through language and behaviour. Since drawing can mediate between perception and reflection, it plays a constitutive role in the production and communication of knowledge. From my perspective, the genesis of ideas is often directly connected with graphical thinking. On the one hand, in my theories primarily

¹ For example, Luke Wittwer has carefully developed his *Diagram Theory* in a similar fashion graphically and in works with 'infinite' dimensions of figures. In the case of Chloé Sautour there are similar 'infinite' with hierarchic figures.

did and do begin with a quick draft to capture an idea, no place (for oneself or other), on the other hand, hardly any, they – reflects as forms of visual representation when communicating its contents. The drawing of figures thus reveals itself to be one of the oldest of all mankind's natural techniques, and remains to this day a fundamental instrument in any kind of artistic or scientific praxis.

Reverse Engineering of a Theory It was soon clear to me that I would have to open up my archive of figures to make them accessible to others, so opening them up to research into the potential of drawings. The figures I had drawn myself served as a starting point for the here collected hypotheses. They quickly became associative catalysts of an animated exchange with the most varied people from the most widely differing fields (artists, writers, scientists).

I sent my drawings to various correspondents with a request for a written interpretation (*Interpretation*), so that in turn I could read in their texts with their graphic drawings. The process worked much like a potlatch, for action was exchanged? Thought's role in intense process and exchange of thoughts, the most varying ideas, symposia, theses and in relations developed, eventually receiving the form of captions (scientific notes and longer essays) or the forms of figure, drawing, hypothesis and diagram. The resulting contributions are of very different kinds, reflecting their authors' particular fields of knowledge in the innumerable borderland between art, science and fiction.

Out of this has emerged a complexions or conpendium of *fig. zone of thought* which straddles the border between scientific representability and artistic means. Without pretension to completeness, it reveals a world of lines which touches, penetrates and goes beyond significant aspects of the grammar. The figures I contain should always be understood – and here I would like to take up Karin Hausser's reference to Roland Barthes' thoughts¹ – as something moving, changing, living, flexible and fluid in themselves. Through their ambivalent character they

¹ In the context of *semiotik* (communication and scientific theory), the *fig. zone of thought*, that is informal or structural, is the author's prior to linguistic knowledge, or is established by her or whoever it is.

² In *semiotik* (like) signs work from the authors' perspective, and not (general) or (included) as process of the kind of an *signification* or *heraldic* or *readable*, which is the means of *signification* or *heraldic* or *readable* process.

³ See *ppellus* 42, p. 113.

reveal to us a surprising glance into the near-visual manner of our consciousness of the invisible mental spaces between meaning-making and meaning.

Index of Figures – The figures themselves and the diverse ways of reading them are the perturbation of the publication. All the figures given in this book were drawn by hand by me. Many of them were sent to more than one person, in parallel interpretation. Consequently, these appear in several places in the book. To ensure easy tracking, each figure has its own number. The numbering follows the logic of their creation and indicates their place in my sketchbooks. The identifying number is given beside each particular figure as (Fig. XXX). A names and collection of all figures used in the publication can be found at the front. This provides both a visual list of contents and an orientation guide. The reader is invited to navigate through the book, to call through and read into it, with the help of the Index of Figures.

The coloured image parts (Plate I-III) are distributed in three sections. Inspired by Aby Warburg's *Meaning and Being*, associative images are collected, which emerged in the course of the project as a visual response to the contributions. These draw a visual reference line between my own artwork and the figures found. At the end of *Let's Look* is a colour-coded folding map (→ Questions of Order and Relational Characteristics: Figures of Thought) which places key figures of thought within an ordered system.³

Acknowledgements – I would like to express my thanks here to all the authors for their fascinating interpretations and contributions, and for taking part in this experiment. Particular thanks are due to Silvana Krieb, for investing so much time, inspiration, and time into the project, and for bringing it to fruition with me, in the form in which you now hold it in your hands.

I would also like to express my gratitude to the Jan van Eyck Academie, Maastricht; the University of Applied Arts, Vienna; and Bernak, the Austrian Federal Ministry for Education, Arts and Culture, for the excellent financial and creative support which has made this project possible.

Nikolaus Ganssperger, Vienna 2011

³ This is called 'Index of Figures' in a version of *Central Figures and Typologies* (2011). I would like to mention here the ongoing discussion of 'connections and order' should to Hansson (2010).

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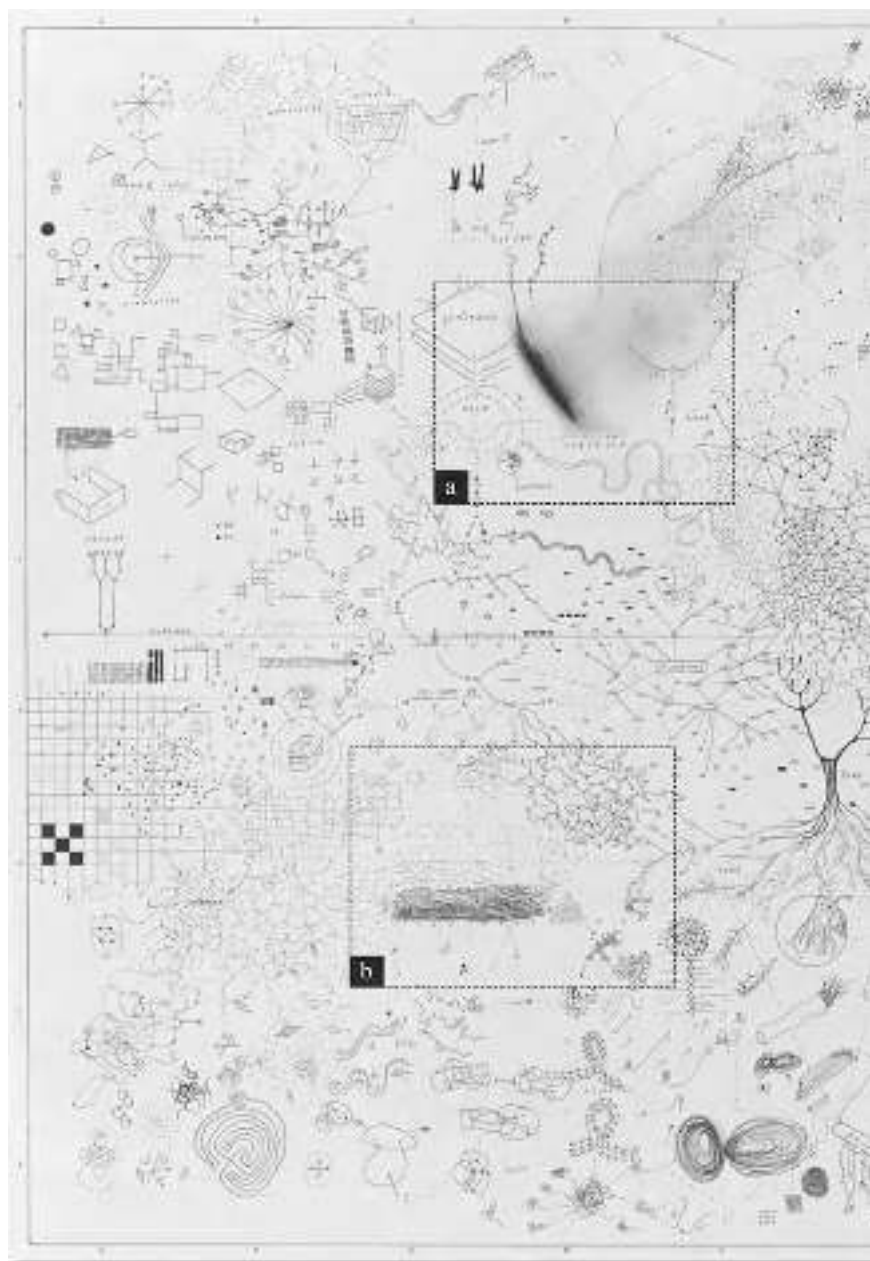


Fig. 1. Questions of Order and Structural Characteristics of Figures of Thought
 (—removable folding map at the end of the book)

sample content of Drawing A Hypothesis: Figures of Thought

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