

INDEX – General Neurolinguistics Conceptual Thinking - Early Mastery of the Reading Skill (Objective Correlation Mechanics)

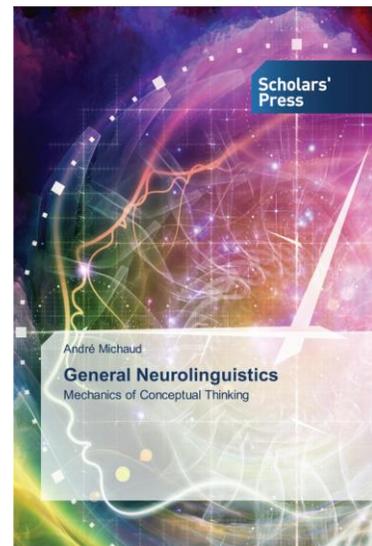
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Final Monograph

General Neurolinguistics is the field of research that naturally emerges from *General Semantics* as defined by Alfred Korzybski when the mental barrier due to the unjustified certainty that physical reality cannot be confirmed with certainty and cannot be understood objectively is removed, as Korzybski hypothesized.

In relation to the discoveries made by Donald Hebb, Ivan Pavlov and Paul Chauchard, this discipline aims at explaining how the conceptual thinking mode that naturally emerges from the mastery of an articulated language allows describing and understanding the external world observed via our sensory perceptions and then allows measuring it via the mathematical thinking mode that emerges from the generalizations allowed by this same conceptual thinking mode.



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[General Neurolinguistics](#)

(Also available in French, Spanish and German)

Final synthesis

General Neurolinguistics is meant to corresponds to the major revision of *General Semantics* that Alfred Korzybski mentioned on numerous occasions as most likely to occur within 25 years of his passing away (1950), and that naturally emerges from it when the mental barrier due to the unwarranted certainty that physical reality cannot be confirmed with certainty and **cannot** be objectively understood is removed. Interestingly, the analysis leading to this particular revision began to be carried out in the 1970's, that is, within the time frame that Korzybski expected, even though it could be fully documented and related to the complete set of required formal references only much later, due to the time that was required to identify, locate and correlate every major element of the solution that led to the present synthesis. Summary description of General Neurolinguistics followed by summary description of General Semantics that it is meant

to enhance. Summary analysis of the influence of the motivation in individuals, driven by their feelings of insecurity and the extent of their personal general knowledge bases in the establishment of social structures throughout history. Summary analysis of the causes of the historical resistance of the academic community to the introduction of new grounding paradigms that could have been beneficial to society. Identification of the relation between the extent of the general knowledge base of individuals and the extent of their resulting level of social awareness. Summary overview of the comprehension process and of the properties of the neocortex, whose coordinated use favors the acquisition of objective knowledge.

- Study on General Neurolinguistics and the Comprehension Ability

Michaud, A. (2021). *Study on General Neurolinguistics and the Comprehension Ability*. In: Dr. Darko Nozic, Editor. *New Frontiers in Medicine and Medical Research* Vol. 11. Pages 35–60. <https://doi.org/10.9734/bpi/nfmmr/v11/1876C>

- Étude sur la Neurolinguistique Générale et la capacité de compréhension

- Estudio sobre la Neurolingüística General y la capacidad de comprensión

- Studie zur Allgemeine Neurolinguistik und zur Verstehensfähigkeit

The comprehension ability – Enhanced Republished Version

Summarily description of how the discoveries made by Donald Hebb about the manner in which the neocortex multilayer neural networks processes and stores information can explain the relation between our sensory perceptions and the words of articulated languages that we use to describe them. Summary description of how the discoveries made by Paul Chauchard of the relation between level of intelligence and density of the synaptic network of interconnections established during infancy in the verbal areas of the neocortex harmonize with Hebb's discoveries. Summary description of how the automatic correlation mechanics of the neocortex neural network allows the generalization ability discovered by Ivan Pavlov as being due to the use of articulated languages, and how it also explains why the reasoning method defined by Alfred Korzybski is so effective in helping to establish a clearer understanding of our environment, with a summary description of the reasoning mode by successive perceptions of coherences that Korzybski established.

- Relating the Comprehension Ability to the Neocortex Verbal Areas: A brief study

Michaud, A. (2021) *Relating the Comprehension Ability to the Neocortex Verbal Areas: A brief study*. In: Dr. Slawomir Borek, Editor. *New Visions in Biological Science* Vol. 1. 10 August 2021, Pages 136-164

- Relation entre la capacité de compréhension et les zones verbales du néocortex: Une brève étude

- Relación entre la capacidad de comprensión y las áreas verbales del neocórtex: Un breve estudio

- Zusammenhang zwischen der Verstehensfähigkeit und den verbalen Arealen des Neokortex: Eine kurze Studie

Conceptual thinking – Enhanced Republished Version

This article reviewed and expanded was republished with a new title as a chapter in book titled "[*New Horizons in Education and Social Studies Vol. 6*](#)", which is part of a collection that pre-selects articles deemed worthy of attention from the global offering, to be put at the disposal of the community.

- Advancement on the Mechanics of Conceptual Thinking

Michaud, A. (2020) *Advancement on the Mechanics of Conceptual Thinking*. In: Dr. Sachin Kumar Jain & Dr. Alina Georgeta Mag, Editors. *New Horizons in Education and Social Studies Vol. 6*, Chapter 4. West Bengal, India: Book Publisher International. 2020. <https://doi.org/10.9734/bpi/nhess/v6>.

(PROMOTIONAL VIDEO)

- *Progrès dans le domaine de la mécanique de la pensée conceptuelle*
- *Avances en el campo de la mecánica del pensamiento conceptual*
- *Fortschritte im Bereich der Mechanik des konzeptionellen Denkens*

Conceptual thinking

Description of the mechanics of conceptual thinking that stems from interaction sequences between the limbic system and the verbal areas of the neocortex. Description of the rise of the attention level to full active awareness when a feeling of uneasiness due to a verbal stimulus is triggered by the amygdala, followed by an active cogitation process involving the verbal areas of the neocortex, ending in the strengthening in the neocortex by the hippocampus of a synaptic network corresponding to a modified verbal sequence that re-moves or reduces the feeling of uneasiness that initiated the sequence. Description of the generalization ability that emerges from the use of articulated languages, acquired by education, from which conceptual thinking, and also the collectively intelligible mathematical language emerge, that also develops to various degrees in some individuals by education. Description of the mathematical thinking mode, whose engrams have been located in the neocortex in areas that do not overlap the verbal areas.

- The Mechanics of Conceptual Thinking

Michaud, A. (2019). *The Mechanics of Conceptual Thinking*. Creative Education, 10, 353-406. <https://doi.org/10.4236/ce.2019.102028>

- *La mécanique de la pensée conceptuelle*
- *La mecánica del pensamiento conceptual*
- *Die Mechanik des konzeptuellen Denkens*

Comprehension ability

General description of the human neocortex verbal areas and exploration of the manner in which the synaptic neurolinguistic structure that develops in these areas after birth establishes our comprehension ability. Description of the manner in which the

neurolinguistic subjective model of reality that develops in these areas can be made to evolve towards objective representation.

- *On the Relation between the Comprehension Ability and the Neocortex Verbal Areas*

Michaud A (2017) *On the Relation between the Comprehension Ability and the Neocortex Verbal Areas*. J Biom Biostat 8: 331.
doi:10.4172/2155-6180.1000331

- *Sur la relation entre la capacité de compréhension et les zones verbales du néocortex*
- *Sobre la relación entre la capacidad de comprensión y las áreas verbales del neocórtex*
- *Beziehung zwischen der Verständnissfähigkeit und den verbalen Neocortex-Bereichen*

Intelligence

Summary overview of intelligence development in young children, coinciding with neocortex verbal areas development by means of mastery of the reading skill and of the state of children literacy development in the world.

- *Intelligence and Early Mastery of the Reading Skill*

Michaud A (2016) *Intelligence and Early Mastery of the Reading Skill*. J Biom Biostat 7: 327. doi: 10.4172/2155-6180.10003

- *Intelligence et apprentissage précoce de la lecture*
- *Inteligencia y aprendizaje temprano de la lectura*
- *Intelligenz und frühe Beherrschung der Lesefähigkeit*

Comprehension process overview

Here is a brief overview of the main features of the comprehension process, stemming from the research of Pavlov, Chauchard and Korzybski. (Introductory text used at the formal launching of the book [[Einstein's Operating System](#)] at MENSA-Québec on May 31, 1997)

- *Comprehension Process Overview*

Michaud A (2016) *Comprehension Process Overview*. J Biom Biostat 7: 317. doi:10.4172/2155-6180.1000317

- *Bref Survol du Processus de Compréhension*
- *Sobrevuelo breve del Proceso de Comprensión*
- *Kurzer Überblick des Verständnisprozesses*

ADD/ADHD

Analysis of a field research report shedding a disquieting light on the reasons that were identified for diagnosing a constantly increasing number of children as suffering from ADD/ADHD and subsequent prescription of Ritalin and other psychostimulants.

This study attempted to identify, without success, whether learning problems observed in some children could be due to some brain pathology.

The present analysis abstracts the main conclusions of an exhaustive field study carried out by a French-Canadian research team regarding out of control ADD and ADHD diagnosing and psychostimulants prescription to elementary school children in the city of Laval, that falls under the jurisdiction of the Ministère de l'éducation of the French-Canadian community in the Province of Quebec, and that seems to be a reflection of the diagnosing and prescription trend in North America.

- *Critical Analysis of a Field Research Report on ADD and ADHD*

Michaud A (2016) *Critical Analysis of a Field Research Report on ADD and ADHD*. Int J Swarm Intel Evol Comput 5: 142. doi: 10.4172/2090-4908.1000142

- *Analyse critique d'un rapport d'enquête de terrain sur les diagnostics de TDAH*

- *Análisis crítica de un trabajo de investigación en terreno sobre los diagnósticos de TDAH*

- *Kritische Analyse eines Feldforschungsberichts zu ADS/ADHS*

- *Критический анализ полевого исследования-отчета по диагностике СДВ и СДВГ*

ADD/ADHD – Enhanced Republished Version

This article, revised and amplified to correlate this Cohen et al. study with a sociological study that was carried out independently and published the same year (1999) on the state of mother tongue teaching in the Province of Québec, was republished upon invitation as a chapter in the book titled "[Current Approaches in Science and Technology Research Vol. 2](#)", which is part of a collection that pre-selects articles deemed worthy of attention in the overall offering, to make them more immediately available to the community.

- *Field Research Report on ADD and ADHD: A Critical Analysis*

Michaud, A. (2021) *Field Research Report on ADD and ADHD: A Critical Analysis*. *Current Approaches in Science and Technology Research Vol. 2*, 93–102. <https://doi.org/10.9734/bpi/castr/v2/8835D>

(PROMOTIONAL VIDEO)

- *Rapport d'enquête de terrain sur les diagnostics de TDAH: Analyse critique (Republication amplifiée PI)*

- *Trabajo de investigación en terreno sobre los diagnósticos de TDAH: Análisis crítica (Republicación extendida PI)*

- *Feldforschungsbericht zu ADS / ADHS: Kritische Analyse (Erweiterte Wiederveröffentlichung PI)*

The sociological study that defined the reference frame for this "General Neurolinguistics" project, the final monograph of which has just been published under the title

"General Neurolinguistics"

published by

SCHOLARS' PRESS,

is freely available as an eBook:

- Our Bankrupt Elite

Other articles in a separate project:

[INDEX - Electromagnetic mechanics \(The 3-Spaces Model\)](#)