

*Thomas Metzinger*

# ***“CONSCIOUSNESS”***

**SELECTED BIBLIOGRAPHY**

**1970 - 2000**

This is a bibliography of books and articles on consciousness in philosophy, cognitive science, and neuroscience over the last 30 years. There are three main sections, devoted to monographs, edited collections of papers, and articles. The first two of these sections are each divided into three subsections containing books in each of the main areas of research. The third section is divided into 12 subsections, with 10 subject headings for philosophical articles along with two additional subsections for articles in cognitive science and neuroscience. Of course the division is somewhat arbitrary, but I hope that it makes the bibliography easier to use.

This bibliography has first been compiled by Thomas Metzinger and David Chalmers to appear in print in two philosophical anthologies on conscious experience (Metzinger 1995a, b). From 1995 onwards it has been continuously updated by Thomas Metzinger, and now is freely available as a PDF-, RTF-, or HTML-file from his personal homepage at <http://www.uni-mainz.de/~metzinger/>. Other formats are available upon request. This bibliography mainly attempts to cover the Anglo-Saxon and German debates, in a non-annotated, fully formatted way that makes it easy to “cut and paste” from the original file. To a certain degree this bibliography also contains items in other languages than English and German - all submissions in other languages are welcome. Please submit new entries, errata etc. to [metzinger@uni-mainz.de](mailto:metzinger@uni-mainz.de). Last update of current version: **December 25<sup>th</sup>, 2000**.

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## 3. ARTICLES

### 3.1 THE CONCEPT OF CONSCIOUSNESS

This section contains articles analyzing the concept of consciousness, or attempting to determine what it is for an organism or a mental state to be conscious, or distinguishing various kinds of consciousness. Articles along these lines can also be found in sections 3.3, 3.4, 3.5, and elsewhere.

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## 3.2 CONSCIOUSNESS, PHYSICALISM AND THE MIND-BODY PROBLEM

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### 3.3 CONSCIOUSNESS AS HIGHER-ORDER THOUGHT

A popular way to make sense of consciousness has been to analyze it in terms of the existence of some higher-order mental state - that is, a mental state that is itself directed at another mental state. Sometimes this higher-order state is taken to be a state of “inner perception” of another mental state, but more frequently (especially in the work of David Rosenthal) it has been taken to be a state of thought about another mental state. The papers cited here develop and critically address these suggestions. The issues are also addressed in chapters of some monographs in section 1.1, including Dennett 1991, Dretske 1995, Gennaro 1996 and Siewert 1994.

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### 3.4 CONSCIOUSNESS AND INTENTIONALITY

There is plausibly a close relationship between consciousness and intentionality, but what exactly is the relationship? Is consciousness (or the potential for consciousness) required for intentionality? Do conscious states have intentional content, and if so, what sort of intentional content do they have? These questions and others are addressed in the papers in this section.

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### 3.5 DENNETT ON CONSCIOUSNESS

An important reductive account of consciousness has been developed by Daniel Dennett over a period of many years, and has received wide attention from other researchers. Because these papers often do not fit naturally into the other subject-oriented sections, we have collected them into a single section here.

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### **3.7 KNOWING WHAT IT'S LIKE AND THE KNOWLEDGE ARGUMENT**

An important thread in the philosophical literature on consciousness concerns the relationship between our knowledge of our consciousness and our knowledge of the objective physical world. Thomas Nagel has argued that no amount of objective knowledge enables us to know *what it is like* to be a conscious being quite different from us. Frank Jackson has argued that someone who knows all the physical facts about the brain might still not know what it is like to see red, and has concluded (via the so-called "Knowledge Argument") that physicalism is false. This section encompasses much of the large body of literature on these issues.

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### 3.8 ABSENT QUALIA AND INVERTED QUALIA

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### 3.9 QUALIA: MISCELLANEOUS

This section includes miscellaneous articles on qualia, or experiential properties, or phenomenal properties, as well as on specific sorts of experiences, such as color and pain experiences. Note that the division between many of these articles and those on “consciousness” is often only of a superficial nature.

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### 3.10 MACHINE CONSCIOUSNESS

Could a machine be conscious? Could there ever be *artificial* consciousness? In particular, is implementing an appropriate program on a computer in principle sufficient for consciousness? There has been continuing debate on this controversial question, focusing on such issues as Searle's "Chinese room" thought-experiment and the validity of the Turing test, among others. Many of the papers in section 3.8 and elsewhere are also quite relevant here.

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### 3.11 SELECTION: THE PROBLEM OF CONSCIOUSNESS IN PSYCHOLOGY & COGNITIVE SCIENCE

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### 3.12 SELECTION: THE PROBLEM OF CONSCIOUSNESS IN THE NEUROSCIENCES

This section includes a selection of papers addressing the problems related to consciousness from the perspective of neuroscience. These include neuroscientific theories of consciousness, articles on the binding problem, papers on blindsight and other specific phenomena, and papers addressing the general question of what neuroscience can tell us about consciousness, among other things.

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