

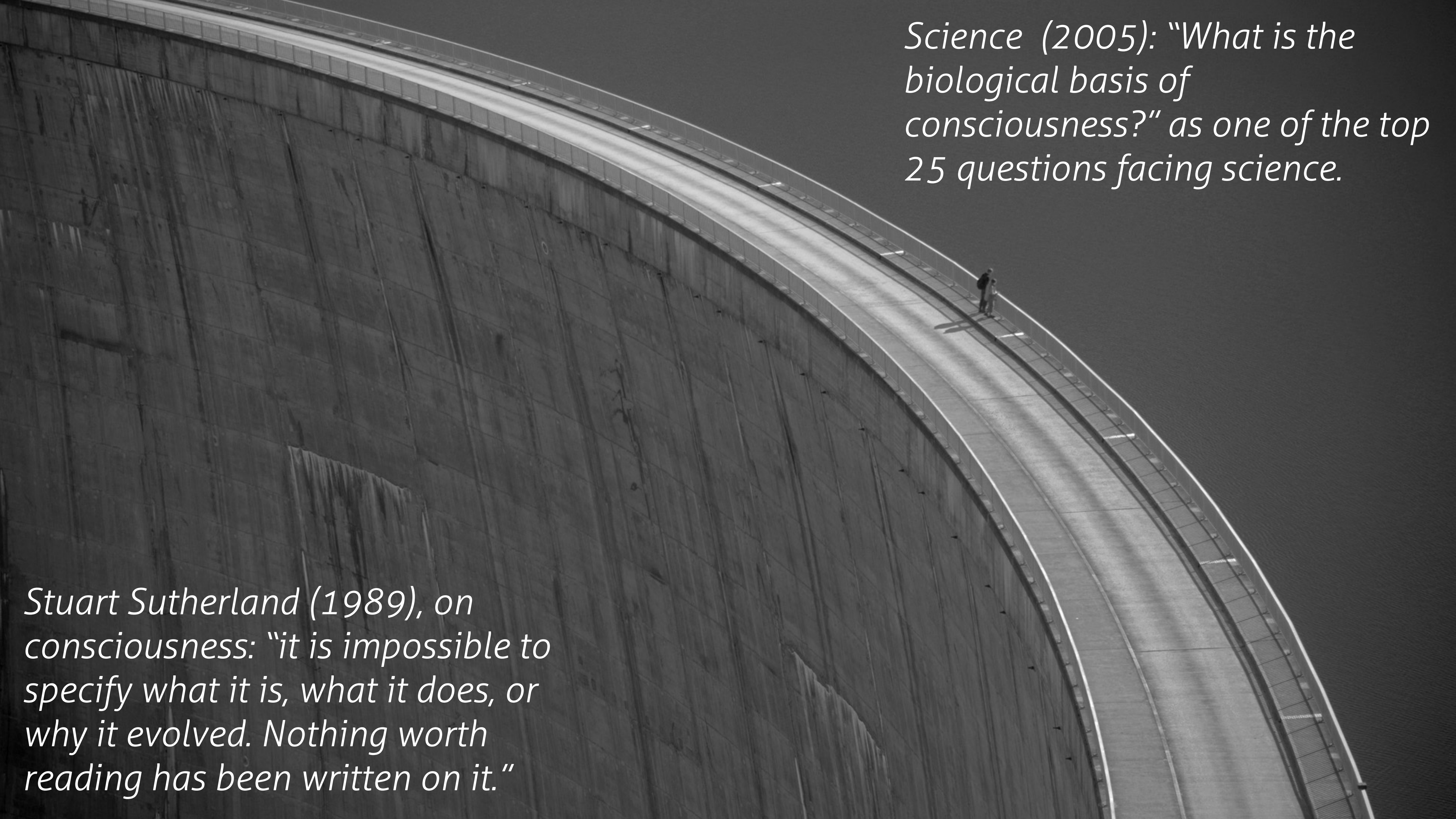
THE ASSOCIATION FOR THE SCIENTIFIC STUDY OF  
CONSCIOUSNESS

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20<sup>TH</sup> ANNIVERSARY





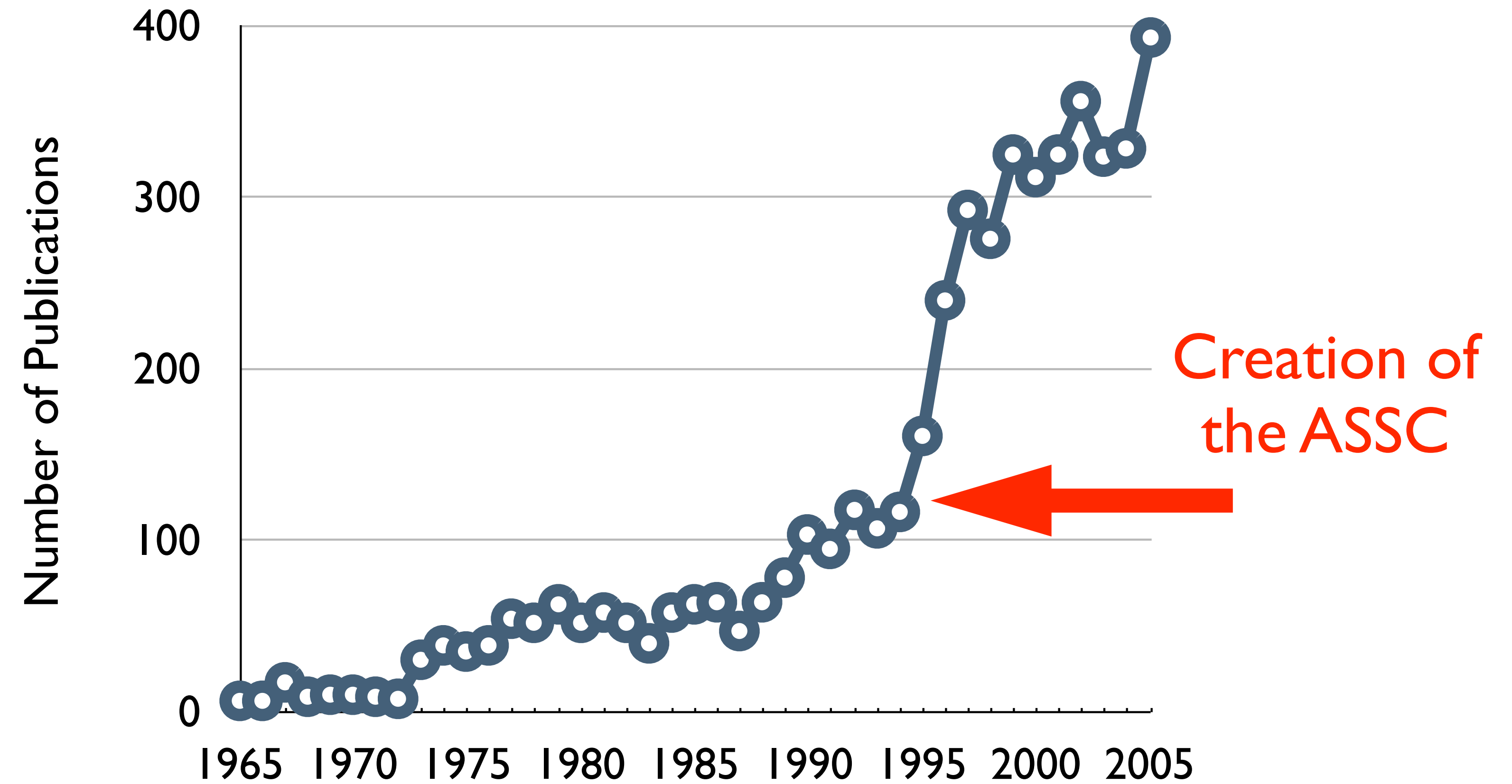
A black and white photograph of a massive concrete dam. The dam's surface is composed of large, rectangular concrete panels, creating a grid-like texture. A curved walkway or road runs along the top edge of the dam. A small figure of a person stands on this walkway, providing a sense of scale to the enormous structure. The sky is a uniform dark grey.

*Science (2005): "What is the biological basis of consciousness?" as one of the top 25 questions facing science.*

*Stuart Sutherland (1989), on consciousness: "it is impossible to specify what it is, what it does, or why it evolved. Nothing worth reading has been written on it."*

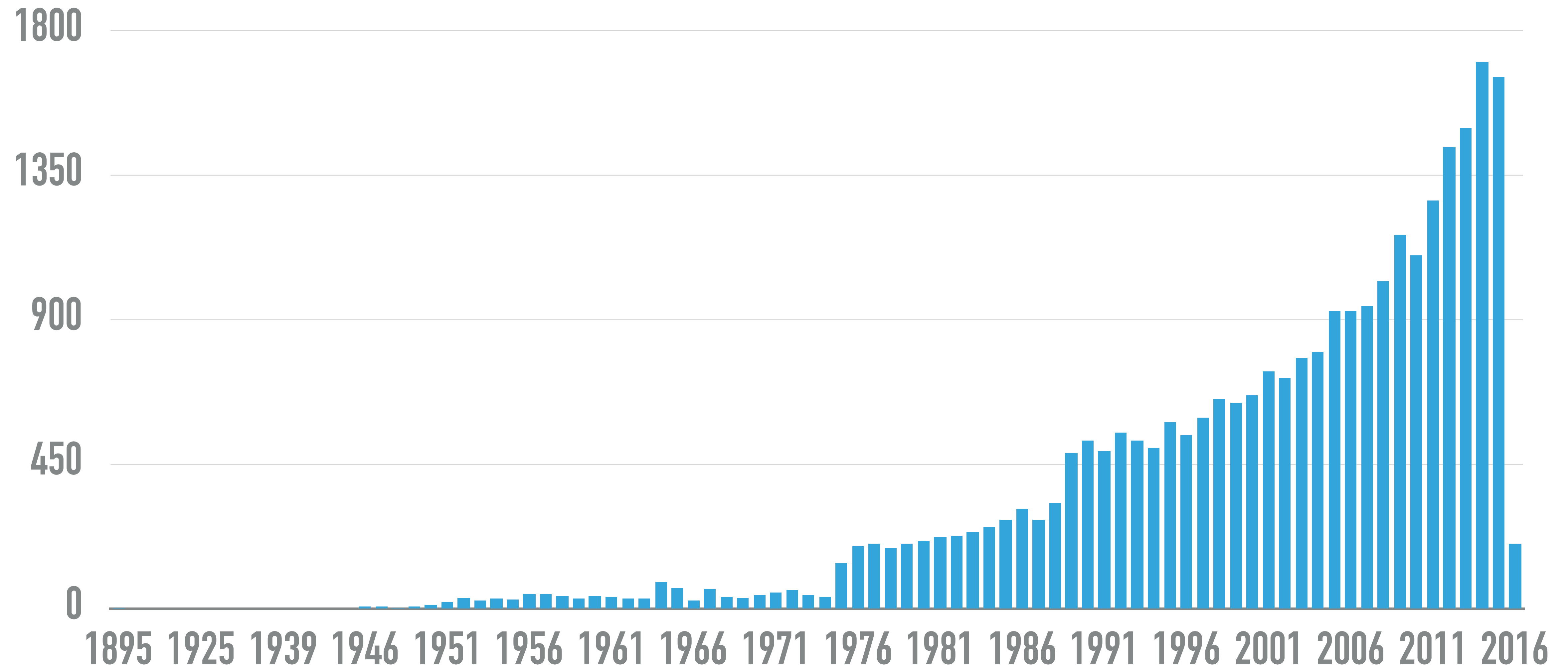
# GROWTH

Instances of the word **consciousness** in title or abstract



# GROWTH

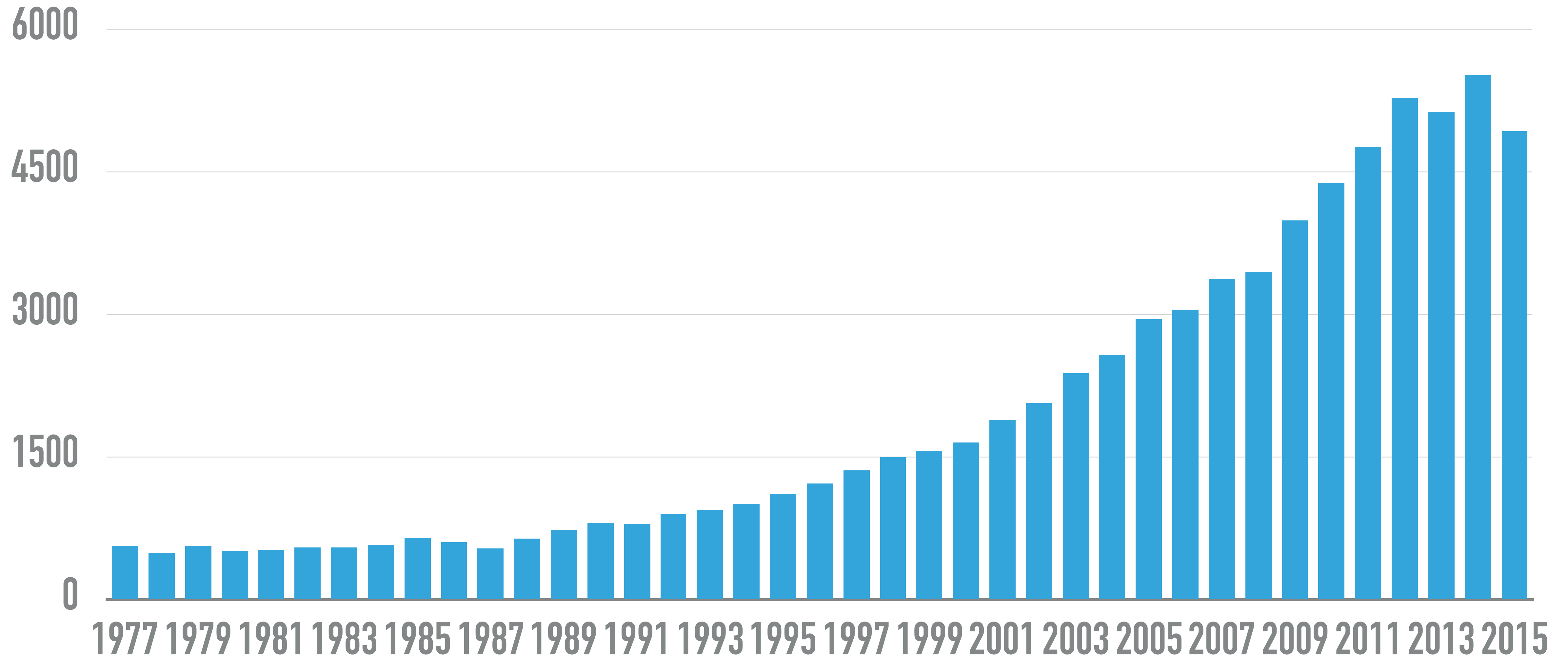
Searching for "Consciousness" in title or abstract through PUBMED





# GROWTH

Searching for “Consciousness” in title or abstract through SCOPUS





# FAIL

## Searching for “Consciousness” in title or abstract through pubmed

Clin Gastroenterol. 1975 Sep;4(3):467-77.

### **Dynamics of the rectum and anus.**

Duthie HL.

#### **Abstract**

The anorectum is a continuously active area with integration of smooth and striated muscle sphincters. Their responses to the entry of material from the colon into the rectum are usually at a subconscious level but voluntary control can be exerted. In the accommodation response the rectum adapts to the presence of faeces and the rise in rectal pressure caused by their entry into the rectum passes off in a few minutes. The sampling response consists of transient relaxation of the upper part of the internal anal sphincter which allows the rectal content to come in contact with the somatic sensory area in the anal canal to assess the nature of the content. Defaecation is the most complex response. Controlled defaecation occurs when a moderate stimulus from the full rectum reaches **consciousness** by release of cortical inhibition. When the rectal stimulus is greater and combined with stimulation of the anal canal urgent defaecation takes place.

PMID: 1183057 [PubMed - indexed for MEDLINE]





A sunset scene with a crescent moon and clouds over a dark horizon. The sun is partially obscured by the horizon, creating a bright glow. The sky is filled with dark, silhouetted clouds. A dark, flat horizon line separates the sky from the foreground.

"Neolithic humans observed the stars on clear nights and saw how they seemed to move in great circles around the Pole Star (as seen in the northern hemisphere)."

**BERNIE BAARS**



# BERNIE BAARS (1997)

By the 1980s an “invisible college” of interested neuroscientists, psychologists, mathematicians, physicians, engineers and the like, were slowly coming into view around the world, and beginning to work around the scientific taboo against personal consciousness. It seemed like a good time to get a “respectable” scientific society going, and a small group of us around Berkeley, California, decided to meet one day in a tiny coffee shop on Telegraph Avenue, to talk it over.

**Bruce Mangan** was working on an important dissertation at UC Berkeley on the topic of “vague” or “fringe” conscious states, a vast, badly-neglected topic well-known to William James (and to poets throughout history). **Patrick Wilken** was destined to be the crucial organizational talent behind ASSC in the early years, when there was no institutional support to be found anywhere in the world. My late, great friend **Bill (William P.) Banks** gave us a chance to have a first meeting at the Claremont Colleges in Southern California. I was dragged in to be president by fiat, based on some prior notoriety. I’m not aware that I actually did much. And ASSC was born. We didn’t make it happen. In some mysterious way it happened because many people in many places were looking for something like it. Our main specific contribution in Berkeley was to figure out our long name, the Association for the Scientific Study of Consciousness, which sounded all the bells we needed to ring.

The invisible college started to shimmer into being. And here we are today.



# A cognitive theory of consciousness

BERNARD J. BAARS

1988

Bernie Baars

seminars in THE NEUROSCIENCES, Vol 2, 1990 : pp 263-275

## Towards a neurobiological theory of consciousness

Francis Crick and Christof Koch

*Visual awareness is a favorable form of consciousness to study neurobiologically. We propose that it takes two forms: a very fast form, linked to iconic memory, that may be difficult to study, and a somewhat slower one involving visual attention and short-term memory. In the slower form an attentional mechanism transiently binds together all those neurons whose activity relates to the relevant features of a single visual object. We suggest this is done by generating coherent semi-synchronous oscillations, probably in the 40-70 Hz range. These oscillations then activate a transient short-term (working) memory. We outline several lines of experimental work that might advance the understanding of the neural mechanisms involved. The neural basis of very short-term memory especially needs more experimental study.*

**Key words:** consciousness / attention / binding / 40 Hz oscillations / short-term memory

IT IS REMARKABLE that most of the work in both cognitive science and the neurosciences makes no reference to consciousness (or 'awareness'), especially as many would regard consciousness as the major puzzle confronting the neural view of the mind and indeed at the present time it appears deeply mysterious to many people. This attitude is partly a legacy of behaviorism and partly because most workers in these areas cannot see any useful way of approaching the problem. In the last few years several books have appeared<sup>1-4</sup> that address the question directly but most of these<sup>1-3</sup> have been written largely from a functional standpoint and so have said rather little about neurons and other machinery of the brain.

We suggest that the time is now ripe for an attack on the neural basis of consciousness. Moreover, we believe that the problem of consciousness can, in the long run, be solved only by explanations at the neural level. Arguments at the cognitive level

From the Salk Institute, 10010 N Torrey Pines Road, La Jolla, CA 92037, USA, and Computation and Neural Systems 216-76, California Institute of Technology, Pasadena, CA 91125, USA  
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1044-5765/90/0204-0003\$5.00/0

are undoubtedly important but we doubt whether they will, by themselves, ever be sufficiently compelling to explain consciousness in a convincing manner. Attempting to infer the internal structure of a very complex system using a 'black-box' approach (i.e. manipulating the input variables while observing the output of the system) will never lead to unique answers. In short, such methods are not by themselves powerful enough ever to solve a problem, though they are good enough to suggest tentative solutions.

Our basic idea is that consciousness depends crucially on some form of rather short-term memory and also on some form of serial attentional mechanism. This attentional mechanism helps sets of the relevant neurons to fire in a coherent semi-oscillatory way, probably at a frequency in the 40-70 Hz range, so that a temporary global unity is imposed on neurons in many different parts of the brain. These oscillations then activate short-term (working) memory. In the later parts of the paper we shall be mainly concerned with visual awareness.

Before approaching the problem in detail, it seems sensible to describe our general approach to consciousness and to decide what aspects of it are best left on one side.

### Prolegomenon to the study of consciousness

We make two basic assumptions. The first is that there is something that requires a scientific explanation. There is general agreement that we are not conscious of all the processes going on in our heads, though exactly which might be a matter of dispute. While we are aware of many of the results of perceptual and memory processes, we have only limited access to the processes that produce this awareness (e.g. "How did I come up with the first name of my grandfather?"). In fact, some psychologists<sup>5</sup> have argued that we have only very limited introspective access to the origins of even higher order cognitive processes. It seems probable, however, that at any one moment some active neuronal processes correlate with consciousness, while others do not. What are the differences between them?

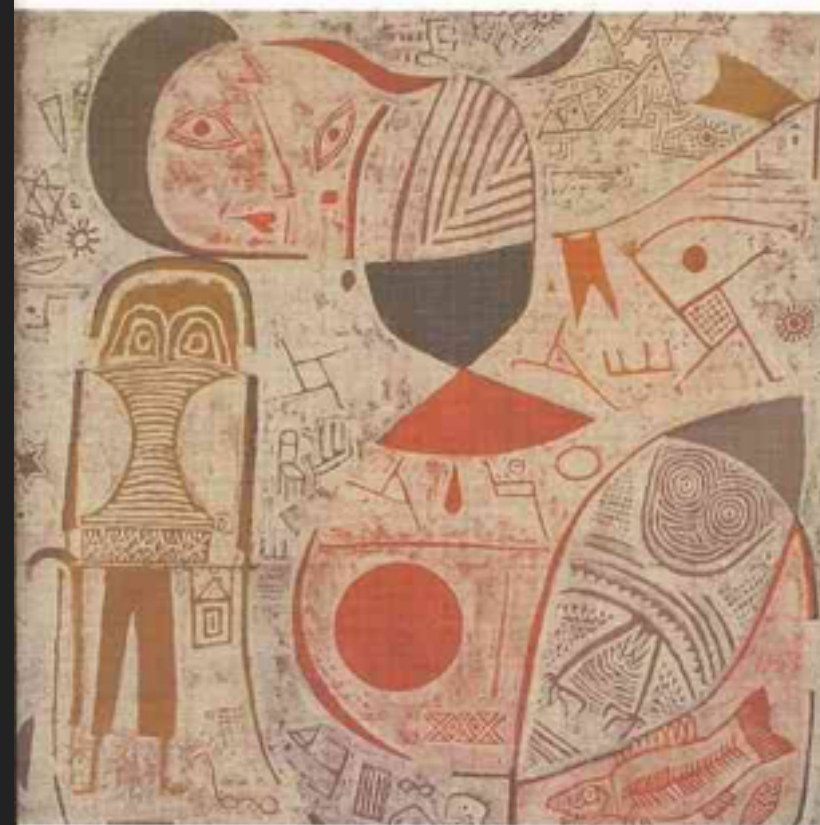
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263

1990  
Crick & Koch

One of the Ten Best Books of the Year—New York Times

## CONSCIOUSNESS EXPLAINED



DANIEL C. DENNETT

Author of *Brainstorms* and coauthor of *The Mind's I*

Author of *Brainstorms* and coauthor of *The Mind's I*

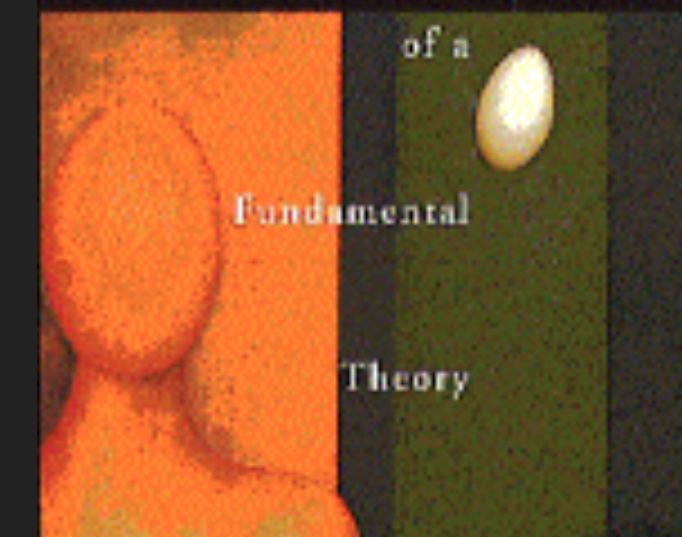
DANIEL C. DENNETT

1991

Dan Dennett

## The Conscious Mind

In Search



DAVID J. CHALMERS

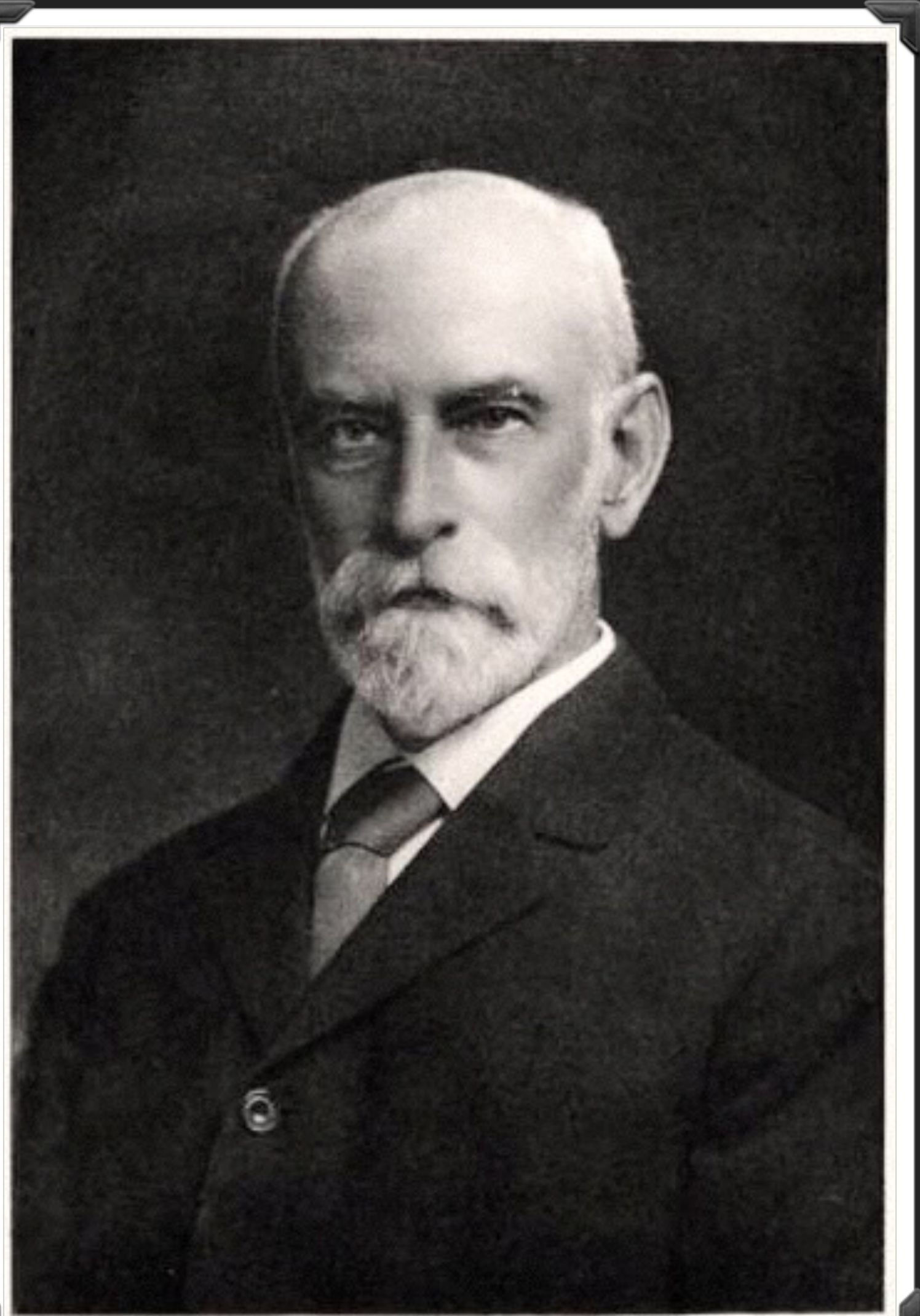
DAVID J. CHALMERS

1996

David Chalmers



# 1902: FOUNDATION OF AAAS



## SCIENCE

A WEEKLY JOURNAL DEVOTED TO THE ADVANCEMENT OF SCIENCE, PUBLISHING THE  
OFFICIAL NOTICES AND PROCEEDINGS OF THE AMERICAN ASSOCIATION  
FOR THE ADVANCEMENT OF SCIENCE.

EDITORIAL COMMITTEE: S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING, Astronomy; T. C. MENDENHALL, Physics; R. H. THURSTON, Engineering; IRA REMSEN, Chemistry; CHARLES D. WALCOTT, Geology; W. M. DAVIS, Physiography; HENRY F. OSBORN, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY, N. L. BRITTON, Botany; C. S. MINOT, Embryology, Histology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; WILLIAM H. WELCH, Pathology; J. McKEEN CATTELL, Psychology; J. W. POWELL, Anthropology.

FRIDAY, JULY 4, 1902.

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MSS. intended for publication and books, etc., intended for review should be sent to the responsible editor, Professor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

### THE PROBLEM OF CONSCIOUSNESS IN ITS BIOLOGICAL ASPECTS.\*

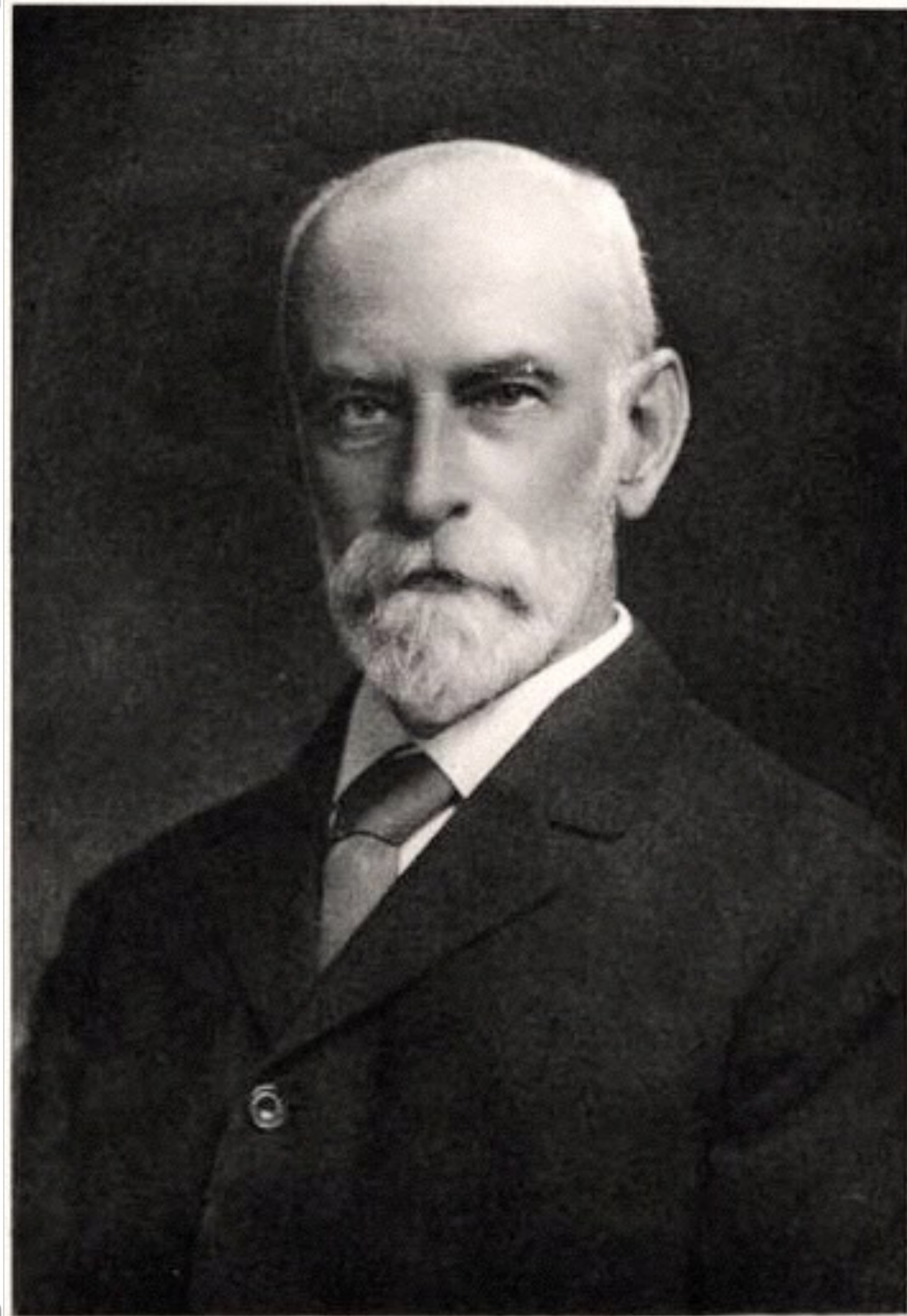
Our Association meets in Pittsburgh for the first time. We are glad to indicate by our assembling here our appreciation of the immense work for the promotion of education and science which has begun in this city and already is of national value. It has been initiated with so great wisdom and zeal that we expect it to render services to knowledge of the highest character, and we are glad to be guests of a city and of institutions which are contributing so nobly to the cause of science.

We may congratulate ourselves on the bright prospects of the Association. Our membership has grown rapidly, and ought soon to exceed four thousand. Every member should endeavor to secure new adherents. For our next meeting we are to break with the long tradition of summer gatherings, and assemble instead at New Year's time, presumably at Washington. To render this possible it was necessary to secure the cooperation of our universities, colleges and technical schools, to set aside the week in which the first of January falls, as *Convocation Week* for the meeting of learned societies. The plan, owing to the cordial and almost universal support given by the higher educational institutions, has

\* Address of the President of the American Association for the Advancement of Science. Pittsburgh Meeting, June 28 to July 3, 1902.



# 1902: FOUNDATION OF AAAS



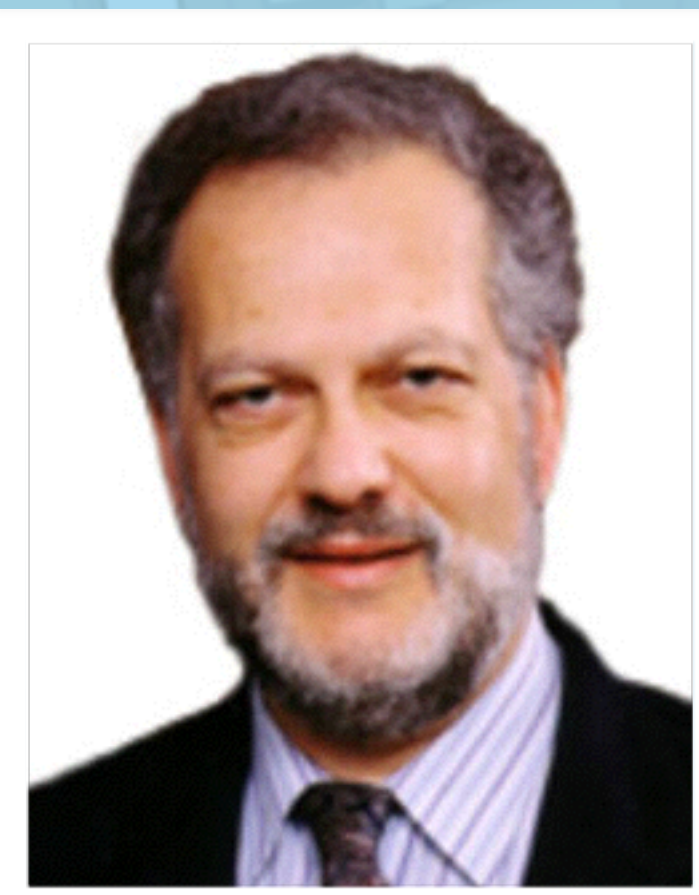
For my address this evening I have chosen the theme: 'The Problem of Consciousness in its Biological Aspects.' I hope both to convince you that the time has come to take up consciousness as a strictly biological problem, and also to indicate the nature of that problem, and some of the actual opportunities for investigating it. It is necessary to begin with a few words on the philosophical interpretation. We shall then describe the function of consciousness in animal life, and consider its part in the evolution of animals and of man. The views to be stated suggest certain practical recommendations, after presenting which I shall conclude by offering an hypothesis of the relation of consciousness to matter and force.

Consciousness is at once the oldest problem of philosophy and one of the youngest problems of science. The time is not yet

PROGRESS OF SCIENCE: THE TIME IS NOT YET



# 1994: CREATION OF ASSC



**Bernie Baars**



**Stanley Klein**



**Patrick Wilken**



**Bruce Mangan**



**David Chalmers**



# DAVID CHALMERS (2014), CHAIR 1997–2004

the discussions leading to the formation of ASSC started after the first tucson conference in april 1994. the initial email discussions were among a number of people who had attended that conference, including **patrick wilken** (who had recently set up the PSYCHE journal), **bernie baars**, **stan klein**, **bruce mangan**, and me, and in the early stages **stuart hameroff**.

at first people hoped that there might be a unified group growing out of the tucson conference, but it became clear that there were deep disagreements between people who wanted the group to focus mainly on mainstream psychology, neuroscience, and philosophy and those who wanted it to subsume a broader variety of approaches (including e.g. contemplative, quantum, and parapsychological approaches as well). in the end the tucson conference went one way and ASSC went the other, though plenty of people, including me, stayed closely involved with both groups. at the time, i was against the split and hoped that something unified and intermediate could be worked out. in retrospect, i think the two-tiered approach has worked out very well for the field.



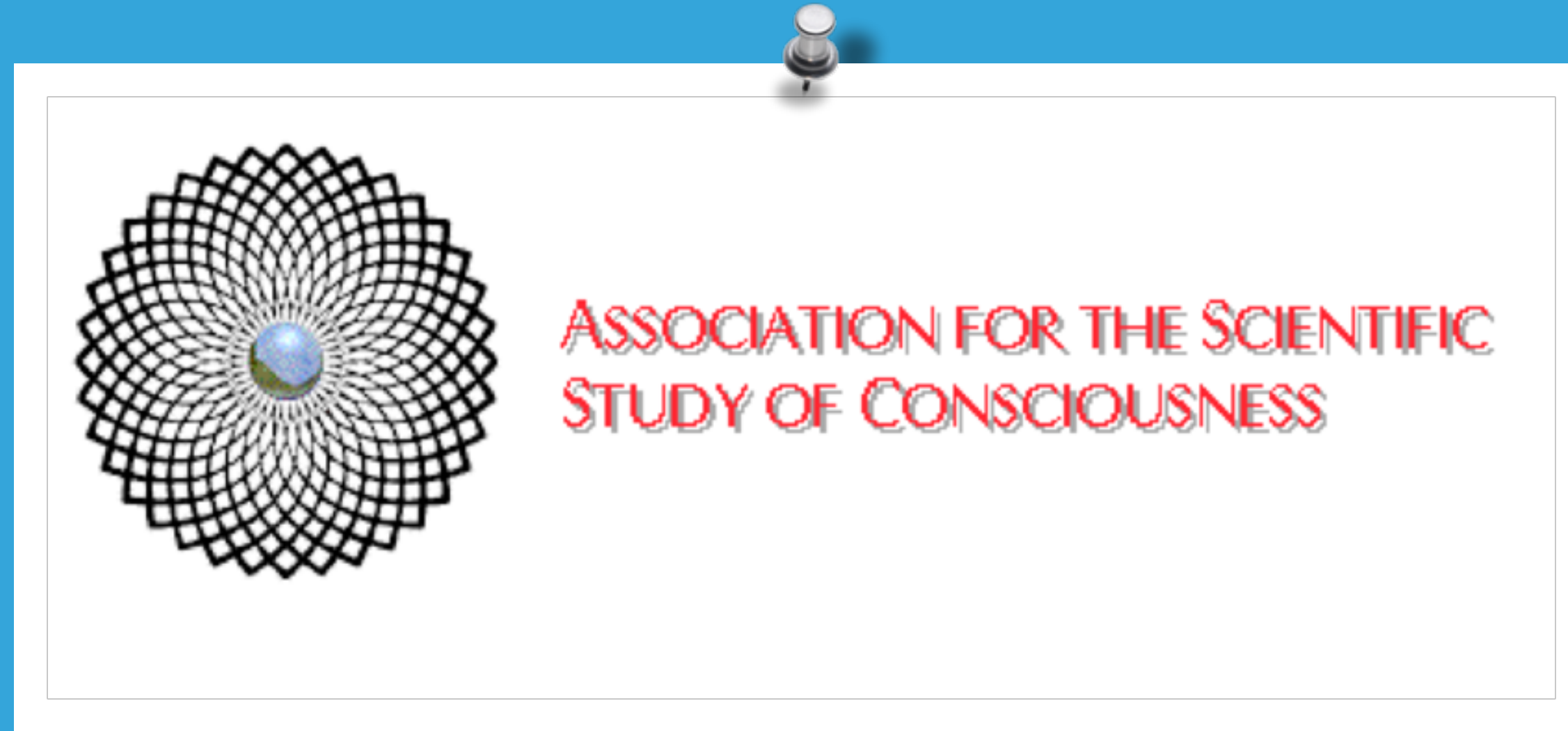
# DAVID CHALMERS (2014), CHAIR 1997–2004

aside from the split with tucson, there were endless issues to resolve in setting up the new association. i remember lengthy debates about whether it should be a society or an association and whether "science" or "international" should be in the title. we could easily have been SSSC, ASC, IASSC, or something else. in the end i ran a vote and ASSC nudged out the alternatives. from 1994 to 1997 we gradually moved toward setting up a formal structure with bylaws, a board of directors (with many distinguished figure in the field), and an executive committee. **bernie baars** was the first president, i was chair of the executive committee (a role i played until 2004), and **patrick wilken** was ASSC secretary.

finally in june 1997 we had our first conference, on "what does implicit cognition tell us about consciousness?", held in claremont and organized by bill banks, patrick wilken, and thomas metzinger. it was a huge success and led to subsequent equally successful conferences in bremen (1998), london, ontario (1999), brussels (2000), and so on from there. ASSC was off and running and never looked back.



# 1997: FIRST ASSC MEETING



**Patrick Wilken**



**Bill Banks†**



**Thomas Metzinger**



**From:** Patrick Wilken [patrickw@cs.monash.edu.au](mailto:patrickw@cs.monash.edu.au)  
**Subject:** CFP: ASSC conference on "What does implicit cognition tell us about consciousness?"  
**Date:** October 14, 1996 at 19:15  
**To:** Multiple recipients of list PSYCHE-L [PSYCHE-L@IRIS.RFMH.ORG](mailto:PSYCHE-L@IRIS.RFMH.ORG)

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THE ASSOCIATION FOR THE SCIENTIFIC STUDY OF CONSCIOUSNESS  
CALL FOR PAPERS, POSTERS & WORKSHOP PRESENTERS  
FOR A CONFERENCE ON:

WHAT DOES IMPLICIT COGNITION TELL US ABOUT CONSCIOUSNESS?

CLAREMONT COLLEGES & CLAREMONT GRADUATE SCHOOL  
JUNE 14-16, 1997: CLAREMONT, CALIFORNIA

The first conference of the Association for the Scientific Study of Consciousness will be held at the Claremont Colleges, about an hour's drive from Los Angeles, over three days between the 14th and 16th of June 1997. The organising committee for the conference consists of:

William Banks (Pomona College)  
Thomas Metzinger (Universitat des Saarlandes)  
Patrick Wilken (Monash University)

Currently scheduled speakers include Bernard Baars, David Chalmers, Owen Flanagan, John Gabrieli, Christof Koch, Philip Merikle, and Daniel Schacter.



**From:** BILL BANKS WBANKS@POMONA.EDU  
**Subject:** URGENT: Conference Dinner on Saturday & Sunday  
**Date:** June 11, 1997 at 15:54  
**To:** Multiple recipients of list ASSC-RM1 ASSC-RM1@IRIS.RFMH.ORG

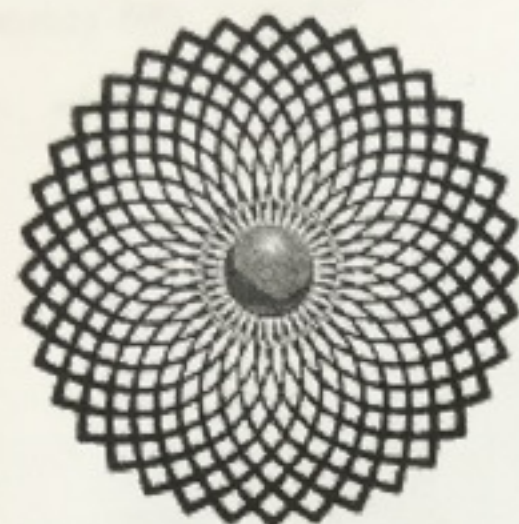
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Due to the unexpected growth of the conference in the past couple of weeks we have had to move the location of the conference site. The unfortunate side-effect of this is that we are now located about 8 blocks from downtown Claremont. It will be now be virtually impossible for people to go downtown to eat on Saturday or Sunday and still get back in time for the after dinner talks. We therefore *\*strongly\** recommend that people book a meal for the buffet dinners on both nights. The combined cost of both dinners is \$40. We have to tell our caterers a definite figure by lunchtime Friday so they can organise the food for the dinners in advance. Since most people are probably going to register for the conference Friday night or Saturday morning we are happy to accept a email message by Friday Noon confirming that you are interested in the dinners. Since we have to pay the for the number of dinners in advance we unfortunately will not be able to refund the money for any dinners that are booked.

best wishes,

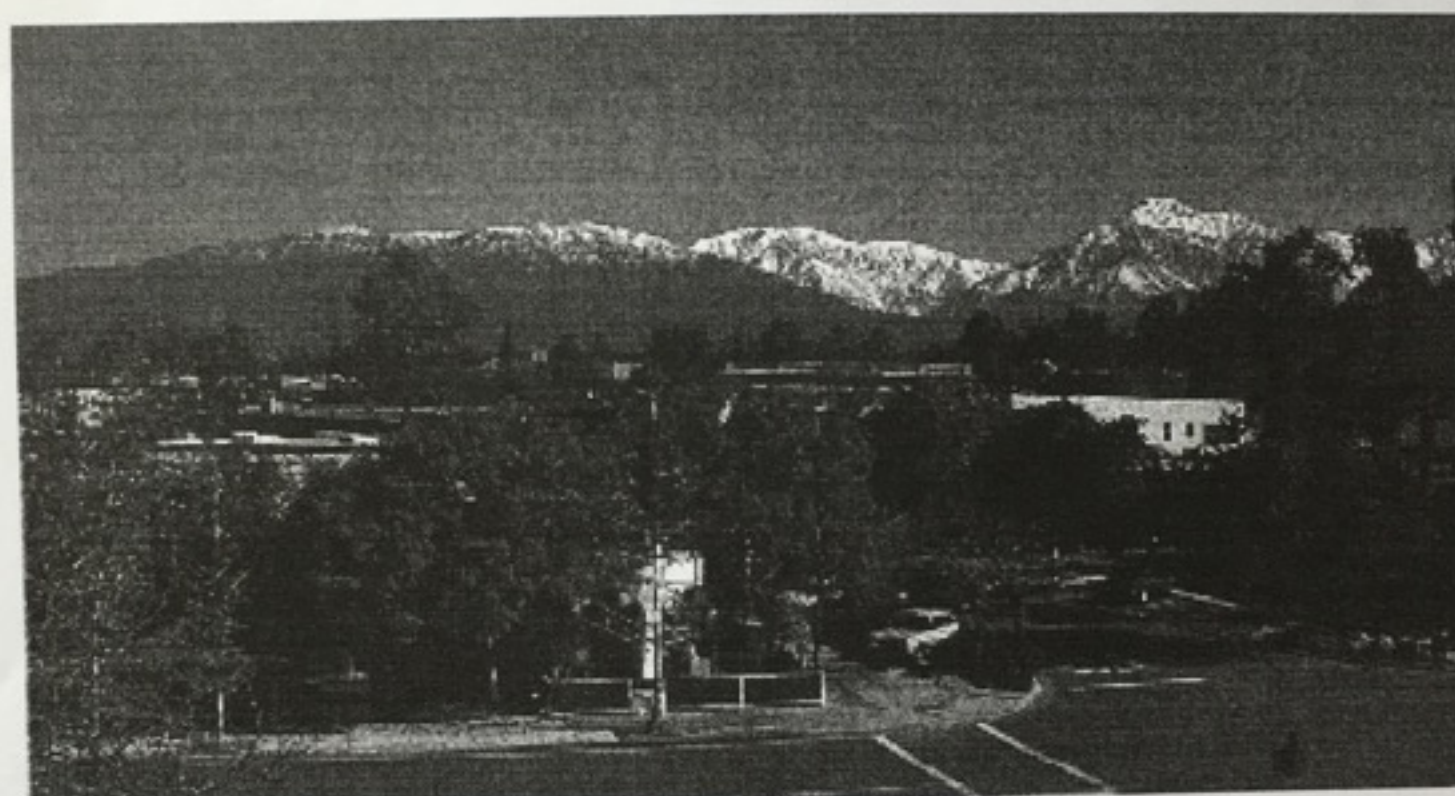
Bill Banks





## ASSOCIATION FOR THE SCIENTIFIC STUDY OF CONSCIOUSNESS

### Accommodations and Travel



The first conference of the Association for the Scientific Study of Consciousness will be held at in Claremont, California, at the Claremont Graduate School, about an hour's drive from Los Angeles, over four days between the 13th and 16th of June 1997.

The closest airport to the conference is Ontario International Airport (ONT). Ontario airport is in fact an international airport, but this is not something many travel agents may know. You should ask your travel agent to check to see whether you can fly in directly. Its much easier - quicker, cheaper - if you do. The Claremont Inn has a free shuttle bus to and from Ontario Airport.

Otherwise, you should fly in and out of Los Angeles International Airport (LAX). SuperShuttle has a special rate to and from LAX and the Claremont Inn: \$24 round trip. You have to make reservations at least 24 hours in advance by calling 909-467-9600. You pay the \$22 on the first leg of the trip and get a ticket for the second leg.

Conference attendees will be housed at the Claremont Inn. You should call 1-800-854-5733 or 909-626-2411 or fax 909-624-0756 for reservations. *You need to get your reservations made by May 9 to be assured a room at the reduced rate -- or a room, period -- at the Inn.* Single rooms are \$54. Doubles are \$59. Both include a buffet breakfast.

## Workshops

June 13, 1997

All meetings in the Graduate Management Building,  
Claremont Graduate School, 10th and Dartmouth

### Morning Workshops 9AM-Noon

#### Room 110

Modeling techniques for measuring conscious  
and unconscious memory.  
Charles J. Brainerd

#### Room 210

Phenomenology of non-sensory experience.  
Bruce Mangan

#### Room 206

The consciousness puzzle: Towards a general  
theory of the neural correlates of conscious  
and unconscious processes.  
James Newman

### Afternoon Workshops 2:30pm - 5:30pm

#### Albrecht Auditorium

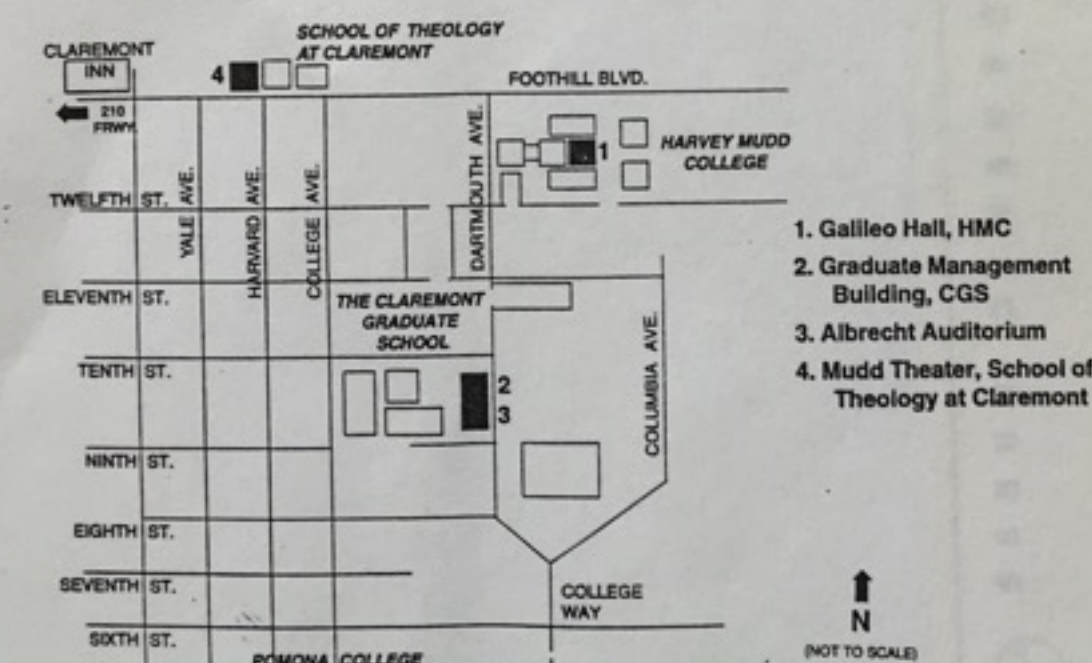
Functional brain imaging using EEG and MEG (squid).  
Irina Gorodnitsky

#### Room 110

Centrifugal projection and the 'creative loop'.  
Eric Harth

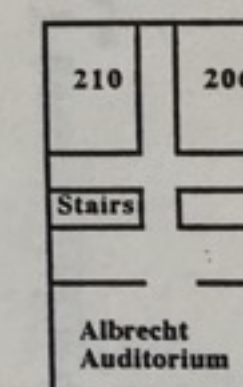
#### Room 210

Functional visual neuroscience.  
William Webster

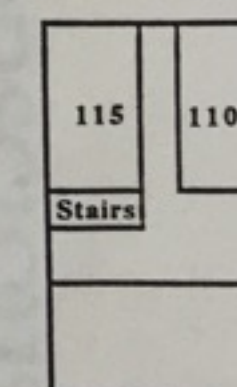


### Graduate Management Building

Tenth Street



Ground  
Floor



Basement  
Floor



# **“What Does Implicit Cognition Tell Us About Consciousness?”**

**June 13-16, 1997**

**The Claremont Graduate School  
and The Claremont Colleges  
are pleased to present**

**the Sixteenth Annual Claremont Conference on  
Applied Cognitive Psychology  
and  
the First Conference of the  
Association for the Scientific  
Study of Consciousness**

ASSC, founded in 1994, is the first scholarly and scientific membership organization devoted to the study of consciousness and related issues. ASSC promotes research in the fields of cognitive science, neuroscience, philosophy, and other disciplines in the sciences and humanities.

<http://www.phil.vt.edu/assc/>

ASSC has two journals; *Psyche*, published on the internet and *Consciousness and Cognition*, published by Academic Press. For more information see:

*Psyche*; <http://psyche.cs.monash.edu.au>

*Consciousness and Cognition*; <http://www.idealibrary.com/>

and <http://www.europe.idealibrary.com/>



ASSC



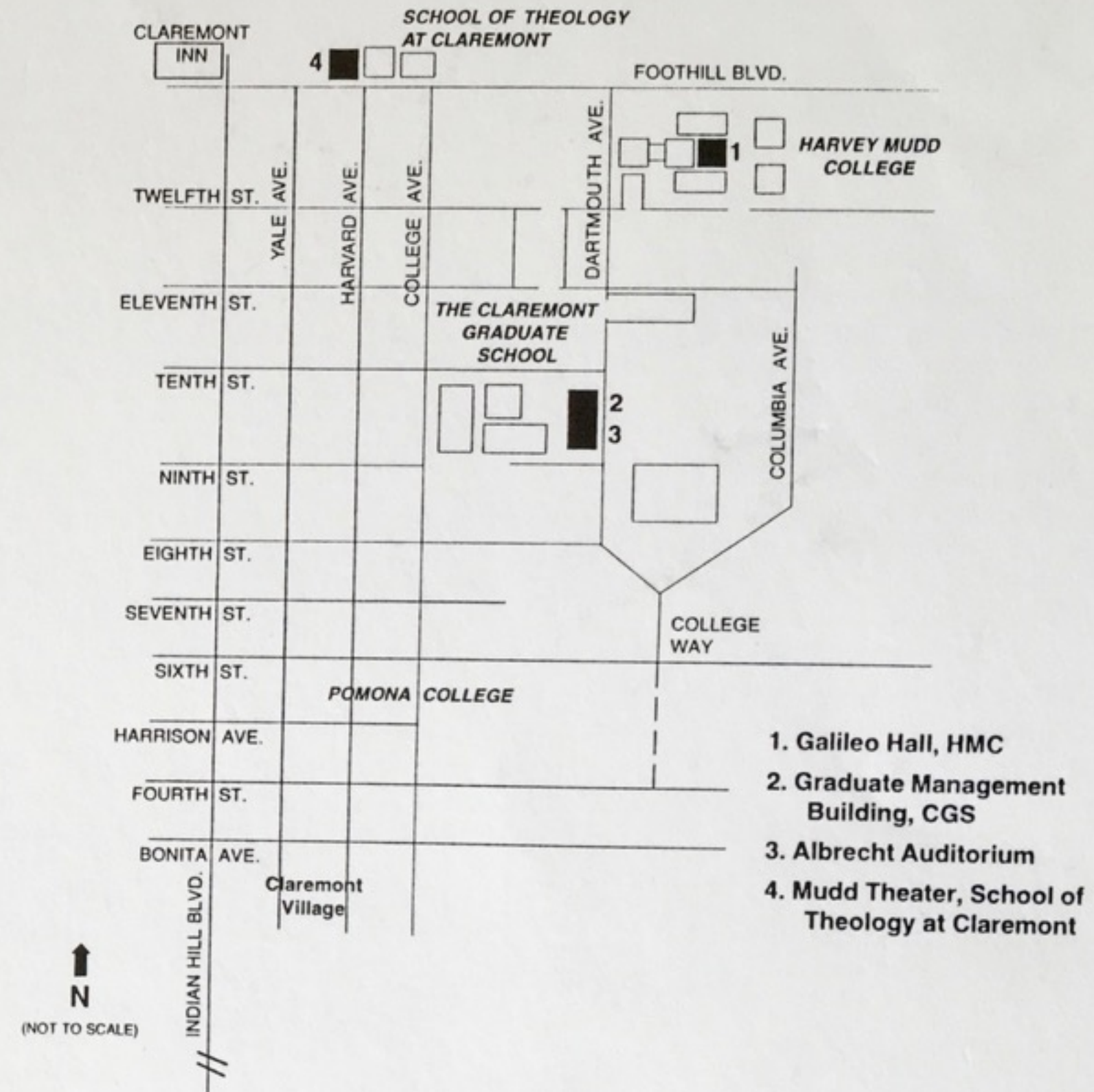
CLAREMONT MCKENNA COLLEGE



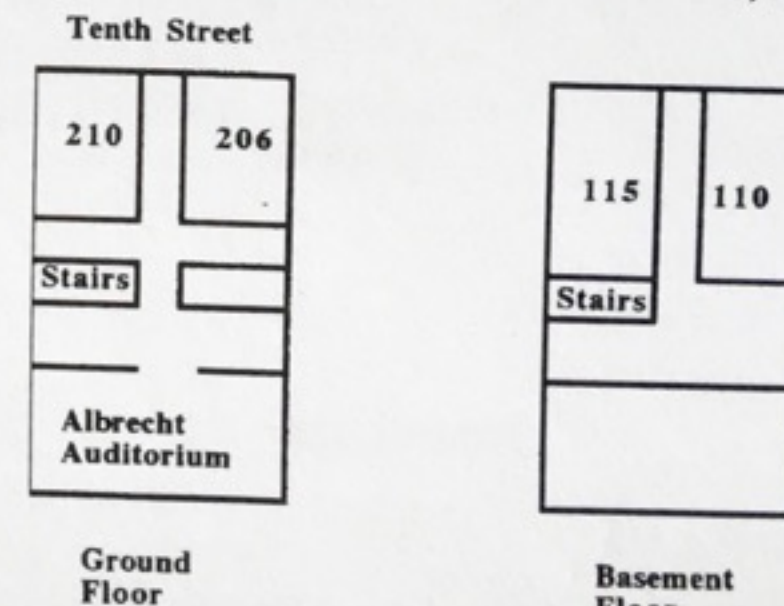
HARVEY MUDD  
COLLEGE



## **CONFERENCE LOCATIONS**



## **GRADUATE MANAGEMENT BUILDING, CGS**





Saturday, June 14

**Plenary Talks, Galileo Hall  
Harvey Mudd College**

7:30-8:30 a.m.

**Reception**

Registration desk open.  
All meals must be ordered at  
this time.

8:30-9:30 a.m.

"What Experimental Studies of  
Perception Without Awareness Reveal  
About Conscious vs. Unconscious  
Cognition"

**Philip Merikle**  
**Meredyth Daneman**  
*University of Waterloo*

9:30-10:30 a.m.

"Accessibility Bias: Measuring  
Unconscious Influences"

**Larry Jacoby**  
*McMaster University*

15 minute break

10:45-11:45 a.m.

"Consciousness as a Gatekeeper  
for Memory"

**John Gabrieli**  
*Stanford University*

11:45 a.m.-12:45 p.m.

"Explicit and Implicit Memory: A  
Cognitive Neuroscience Perspective"

**Daniel Schacter**  
*Harvard University*

1-2 p.m.

**Lunch**

Box lunch served at Graduate  
Management Building.  
All meals must be ordered at  
Saturday a.m. registration.

**Paper Sessions, Graduate Management Building, The Claremont Graduate School**

**Session I: Albrecht Auditorium**

2 p.m.

"Implicit Processing of Negative  
Information: Possible Implications  
for Consciousness"

**Douglas John Mansfield**  
*University of Natal*

2:30 p.m.

"Detection Analysis of Implicit  
Memory"

**William Banks**  
**Yung-Pin Chen**  
*Pomona College*

3 p.m.

"A Two-Dimensional, Signal Detec-  
tion Approach to Implicit Memory"

**Stanley A. Klein**  
**Scott Slotnick**  
*University of California, Berkeley*

3:30 p.m.

"Implicit and Explicit Explorations of  
the Validity of the Remember/Know  
Recollective Experience Paradigm"

**Tony Whetstone, Christine  
Carson, & Flowers Vance**  
*East Carolina University*

**Session II: Room 206**

2 p.m.

"Implicit Cognition, Self-Representa-  
tion and the Phenomenal Self"

**Pradeep Mutalik**  
*Yale University School of  
Medicine*

2:30 p.m.

"A Dual Processing Theory of Brain  
and Mind: Where is the Limited  
Processing Capacity Coming From?"

**Danko Nikolic**  
*The University of Oklahoma*

3 p.m.

"Self-Deception as Interrupted  
Inference"

**Jean-Pierre Schachter**  
*Huron College*

3:30 p.m.

"A Perceptual-Lingual Model of  
Consciousness"

**Richard Stevens**  
*The Open University*

**Session III: Room 110**

2 p.m.

"From 'Not Seeing' to Neural  
Correlates of Visual Consciousness"

**Charles Q. Wu**  
*Tasking Incorporated*

2:30 p.m.

"The Fallacy of Functional  
Exclusion"

**Bruce Mangan**  
*University of California, Berkeley*

3 p.m.

"Transient Disappearance of  
Conscious Visual Perception  
Due To Attention Shift"

**Lou Lianggang**  
*University of Hong Kong*

3:30 p.m.

"A Window into Pre-Cognitive  
Limbic System Processing in the  
Cognitive Generative Learning  
Process"

**Lillian Greeley**  
*Boston University*

**Symposium, Albrecht  
Auditorium**

4:15-5:45 p.m.

**Connections Among  
Attention, Consciousness,  
and Implicit Cognition**

Chair: Valerie Hardcastle

4:15 p.m.

"Involuntary Attention Mediates Con-  
scious Perception of Conflicting Scen

**Teng-Leng Ooi**  
*Southern College of Optometry*  
**Zijiang J. He**  
*University of Louisville*

4:45 p.m.

"On the Neurocognitive Mechanisms  
of Visual Awareness"

**Antti Revonsuo**  
*University of Turku*

5:15 p.m.

"Attention Versus Consciousness:  
A Distinction with a Difference"

**Valerie Hardcastle**  
*Virginia Tech*

5:45-6:45 p.m.

Poster session, Graduate Man-  
agement Building, Room 210  
Refreshments

7-8:30 p.m.

Buffet Dinner, Courtyard, Mudd  
Theater, School of Theology

All meals must be ordered at  
Saturday a.m. registration.

8 p.m.

**Plenary Talk**

Mudd Theater, School of Theology

"Implicit Measurement Reveals  
Unconscious Operation of Prejudices  
and Stereotypes"

**Anthony G. Greenwald**  
*University of Washington*  
**Mahzarin R. Banaji**  
*Yale University*

POSTER PRESENTERS ARE ASKED TO PUT THEIR POSTERS UP BETWEEN 7:30 A.M.  
AND 1 P.M. IN THE GRADUATE MANAGEMENT BUILDING, ROOM 210.



**Plenary Talks, Mudd Theater, School of Theology**

**7:30-8:30 a.m.**  
**Reception**  
 Registration desk open

**8:30-9:30 a.m.**  
 "Do Monkeys Have Blindsight?"  
**Alan Cowey**  
*Oxford University*  
**Petra Stoerig**  
*Ludwig Maximilians University*

**9:30-10:30 a.m.**  
 "When Vision Is Not Sight: Dissociations Between Perception and Action in the Normal Human Visual System"  
**Melvyn Goodale**  
*University of Western Ontario*

**15 minute break**

**10:45-11:45 a.m.**  
 "Neuronal Correlates of Consciousness"  
**Christof Koch**  
*California Institute of Technology*

**12 noon-1 p.m.**  
**Lunch**  
 Box lunch served at Graduate Management Building  
 All meals must be ordered at Saturday a.m. registration.

**Sunday, June 15**

**Paper Sessions, Graduate Management Building, The Claremont Graduate School**

**Session I: Albrecht Auditorium**  
**1 p.m.**  
 "Subliminal Visual Priming"  
**Moshe Bar & Irving Biederman**  
*University of Southern California*

**1:30 p.m.**  
 "On the Perceptual Specificity of Memory Representations"  
**Eyal M. Reingold**  
**Dave M. Stampe**  
*University of Toronto*

**2 p.m.**  
 "An Implicit Visual System in Normal Humans"  
**Bruce Bridgeman**  
*University of California, Santa Cruz*

**15 minute break**

**2:45 p.m.**  
 "Fleeting Awareness in Metacontrast?"  
**Joel Lachter**  
*University of Arizona*  
**Frank H. Durgin**  
*Swarthmore College*

**3:15 p.m.**  
 "A Biologically Derived Neurodynamic Model of Implicit vs. Explicit Cognition"  
**Walter J. Freeman**  
*University of California, Berkeley*

**3:45 p.m.**  
 "Consciousness and the Zombie Within: A Functional Analysis of the Blindsight Evidence"  
**Ullin Thomas Place**  
*University of Leeds and University of Wales, Bangor*

**Session II: Room 206**  
**1 p.m.**  
 "Representations of Self and Implicit Processes of Self-Understanding"  
**Marc Borkheim**  
*Clark University*

**1:30 p.m.**  
 "Pain and Retrograde Amnesia"  
**James H. Buchanan**  
*The University Of Akron*

**2 p.m.**  
 "Effects of Mood on Facial Recognition: What is Implicit about Emotion?"  
**David Haley**  
*San Francisco State University*

**15 minute break**

**2:45 p.m.**  
 "Mental Presentation: Qualitative Content as Implicit Content"  
**Thomas Metzinger**  
*Hanse Institute for Advanced Study*

**3:15 p.m.**  
 "'Aha!': The Nature of Conscious and Unconscious Processing in Insight Problems"  
**David P. Westley<sup>1</sup>, C. Philip Beaman<sup>2</sup>, & Nicholas LeBoutillier<sup>1</sup>**  
<sup>1</sup>Middlesex University; <sup>2</sup>UK Medical Research Council Cognitive Development Unit

**3:45 p.m.**  
 "Implicit Discrimination Precedes Explicit Pain"  
**C. Richard Chapman**  
**Yoshio Nakamura**  
*University of Washington School of Medicine*

**Session III: Room 110**  
**1 p.m.**  
 "Explicit Cognition Through Internal and External Sketchpads"  
**Erich Harth**  
*Syracuse University*

**1:30 p.m.**  
 "A Hybrid Approach Toward Understanding Consciousness"  
**Ron Sun**  
*University of Alabama*

**2 p.m.**  
 "The Boundary is Self-Organized Between Implicit and Explicit Cognition: A Robot Learning Experiment"  
**Jun Tani**  
*Sony CSL*

**15 minute break**

**2:45 p.m.**  
 "Modeling Priming and Subliminal Perception: A Stability Theory of Awareness"  
**Michael C. Mozer**  
**Donald W. Mathis**  
*University of Colorado, Boulder*

**3:15 p.m.**  
 "Is Implicit Learning Preserved in Parkinson's Disease?"  
**Richard J. Siegert**  
*Victoria University of Wellington*

**3:45 p.m.**  
 "Explicit and Implicit Memory in Amnesics: Implications for Second Language Acquisition"  
**Ayse Gurel**  
*McGill University*

**Symposium, Galileo Hall Harvey Mudd College**

**4:30-6 p.m.**  
**Criteria for the Ascription of Consciousness**  
**Chair: David Chalmers**

**4:30 p.m.**  
 "Phenomenal Consciousness vs. Access Consciousness"  
**Ned Block**  
*New York University*

**5 p.m.**  
 "Criteria for Distinguishing Conscious from Unconscious Cognitive Processes"  
**Phil Merikle**  
*University of Waterloo*  
**Eyal M. Reingold**  
*University of Toronto*

**5:30 p.m.**  
 "Implicit Philosophy in Implicit Cognition Research"  
**David Chalmers**  
*University of California, Santa Cruz*

**6-7 p.m.**  
**Reception, Galileo Hall**  
 Refreshments

**7-8:30 p.m.**  
**Dinner, Galileo Hall, Courtyard**  
 All meals must be ordered at Saturday a.m. registration

**8:30 p.m.**  
**Plenary Talk**  
**Galileo Hall**  
 "How To Measure Similarity of Implicit Knowledge Across Structurally Diverse Brains"  
**Paul Churchland**  
*University of California, San Diego*



## Monday, June 16

### Plenary Talks, Mudd Theater, School of Theology

7:30-8:30 a.m.  
Reception

8:30-9:30 a.m.  
"All Conscious Events are Explicit, but Not All Explicit Events are Conscious: A Comprehension Criterion for the Explicit-Implicit Distinction"  
**Bernard Baars**  
*The Wright Institute*

9:30-10:30 a.m.  
"Some Uses of Unconscious Vision: Evidence from Visual Form Agnosia"  
**David Milner**  
*University of St. Andrews*

15 minute break

10:45-12:30 p.m.  
Round table discussion  
with plenary speakers

1 p.m.  
Lunch  
Box lunch served at Graduate Management Building  
All meals must be ordered at Saturday a.m. registration

### Paper Sessions, Graduate Management Building, The Claremont Graduate School

#### Session I: Albrecht Auditorium

2 p.m.  
"Categories of Consciousness: Our Usual Modes of Thought Limit Our Exploration of Cognition Outside of Awareness"  
**Linda A.W. Brakel**  
*University of Michigan*

2:30 p.m.  
"Unconscious Denied"  
**Katalin Balog**  
*Rutgers University*

3 p.m.  
"The Myth of the Cognitive Unconscious"  
**Mans Holgersson**  
*Lund University*

15 minute break

3:45 p.m.  
"Motor Priming in the Absence of Perceptual Awareness of Both Stimulus Identity and Location"  
**Bjorn Held**  
*Unilever Research*

4:15 p.m.  
"On the Origin of Consciousness: A Postulate and Its Corollary"  
**Michel Cabanac**  
*Laval University*

#### Session II: Room 206

2 p.m.  
"The Role of Color and Attention in the Storage and Duration of the Movement Aftereffect"  
**William Webster**  
*Monash University*

2:30 p.m.  
"Blindsight and Commonsense"  
**William Dibrell**  
*Alfred University*

3 p.m.  
"Consciousness and Action: Implicit Learning in 'Visual Search'"  
**Frank H. Durgin**  
**David A. Lewis**  
*Swarthmore College*

15 minute break

3:45 p.m.  
"Blindsight and Conscious Perception"  
**Oliver Kauffmann**  
*University of Copenhagen*

#### Session III: Room 110

2 p.m.  
"From Zombies to Star Trek's Commander Data: How Traditional Models of Cognition Leave No Room for the Implicit"  
**Axel Cleeremans**  
*Universite Libre de Bruxelles*

2:30 p.m.  
"EEG Alpha Decreases to a Low Concentration Odor: Sensing Without Perceiving?"  
**John P. Kline, Gary E. Schwartz, Ernest H. Polak, Ziya V. Dikman, Patricia L. Gulli, Lynn A. Myers, & Douglas J. Streibich**  
*University of Arizona*

3 p.m.  
"What Do Cigarettes and Hypnotists Have In Common? Temptation as an Altered State of Consciousness"  
**Mark D. Chamberlain**  
*Ricks College*

15 minute break

3:45 p.m.  
"Replicable Inhibition of Unconscious Perceptions: Evidence for Unconscious Defense"  
**Michael Snodgrass**  
**Howard Shevrin**  
*University of Michigan*

4:15 p.m.  
"Where is Capacity Limited? A Role for Memory"  
**Anne-Marie Bonnel**  
*CNRS Marseille, France*

Join us at 5 p.m for drinks at the Claremont Inn to celebrate the end of the conference.



# MEETINGS

# ASSC1



# *Claremont USA*



# MEETINGS

# ASSC12



***Taipei, Taiwan!***




# MEETINGS



***Buenos Aires***



# ASSC2 (1998)

The Audio-Cuts

[\[ ↓ Plenary Talks & Sessions | Symposium 1 | Symposium 2 | Symposium 3 | Concluding Lecture \]](#)

On this page you find audio-cuts of selected lectures given during the 2nd ASSC conference (June 1998, Bremen). The cuts are in MP3-format, so your browser needs MP3-capabilities (e.g., the [RealPlayer](#)). Select HiFi- or LoFi-Quality, click the left mouse button to play or the right button to download.

Plenary Talks & Sessions

CHRISTOF KOCH

The neural correlates of consciousness and the frontal lobes

[ [LoFi](#) | [HiFi](#) ]

PETRA STOERIG

Observations pertaining to the neuronal basis of conscious vision

[ [LoFi](#) | [HiFi](#) ]

THOMAS SCHMIDT

Visual perception without awareness: Priming responses by colour

[ [LoFi](#) | [HiFi](#) ]

BEENA KHURANA

Face representation without conscious processing

[ [LoFi](#) | [HiFi](#) ]

VITTORIO GALLESE

From neurons to meaning: Mirror neurons and social understanding

[ [LoFi](#) | [HiFi](#) ]

# Neural Correlates of Consciousness:

Empirical and Conceptual Questions  
Bremen, 19–22 June, 1998

## Confirmed Speakers:

Ansgar Beckermann  
Ned Block  
David Chalmers  
Patricia Churchland  
Antonio Damasio  
Steven Engel  
Hans Flohr  
Nick Franks  
Melvyn Goodale  
Valerie Gray Hardcastle  
Christof Koch  
Nikos Logothetis  
Thomas Metzinger  
Ernst Pöppel  
Joëlle Proust  
Vilayanur Ramachandran  
Gerhard Roth  
Arash Sahraie  
Wolf Singer  
Petra Stoerig

## ASSC 2

The second conference of the Association for the Scientific Study of Consciousness will be held from June 19–22, 1998, in Bremen, Germany, hosted and sponsored by the Hanse Institute for Advanced Study, Delmenhorst. The search for neural correlates of consciousness (NCC) – specific systems in the brain that correlate directly with states of conscious experience – has become an active area of research in recent years. Methods such as single-cell recording in monkeys, brain imaging and electrophysiology in humans, applied to such phenomena as blindsight, implicit/explicit cognition, and binocular rivalry (among others), have generated a wealth of data. At the same time a number of theoretical proposals about NCC location have been put forward. In addition, important conceptual questions raised by this work are beginning to be addressed. The ASSC conference will bring together neuroscientists, psychologists, and philosophers to focus on these issues. Empirical data from many different paradigms will be presented, along with proposals about what these results suggest concerning NCC location. Theorists will address conceptual and methodological issues concerning the search for NCCs. The conference will provide an opportunity for experimental and theoretical researchers to jointly compare and contrast NCC proposals, to consider key foundational questions, and to assess the current state and future of this area of research.

## Call for Papers and Posters

The topic of the conference will be covered in an interdisciplinary manner. Speakers are invited to discuss these issues from physiological, psychological and philosophical perspectives. Papers will be accepted on the basis of their quality and suitability and not according to the author's affiliation with the association. Any person may present only one paper, but may be the co-author of others. Presentation time will be limited to 30 minutes, which includes a five minute discussion period. Sessions will be strictly timed. If there is sufficient interest a poster session can be added. Concurrent sessions will take place at the Holiday Inn and the Übersee Hotel. Poster sessions, symposia and all plenary lectures will take place at DIE GLOCKE.

**SUBMISSION OF PROPOSALS:**  
**ABSTRACTS OF PAPERS MUST BE RECEIVED BY FEBRUARY 25, 1998.**  
Submissions can be a presenter of either a paper or poster must include the following information:  
1. Title  
2. An abstract of 150–200 words  
3. Name(s)  
4. Institutional affiliation(s)  
5. Postal address(es)  
6. e-mail address(es)  
7. Telephone and fax numbers  
8. Membership status in the Association for the Scientific Study of Consciousness (Full member, Affiliate, or Nonmember)  
9. A specification of which co-author will present the paper/poster at the meeting.  
Indicate whether this is submitted as a  
a. Spoken presentation  
b. Poster  
Finally, if your spoken presentation cannot be fit into the program, please indicate your willingness to present it as a poster instead.  
Please send – using e-mail where possible – paper and poster proposals to:  
ASSC 2  
Hanse Institute for Advanced Study  
Friedrichstr. 31  
27554 Delmenhorst  
Germany  
Phone: +49 4462 22-1000  
Fax: +49 4462 22-1001  
E-mail: ASSC@hanse-hs.de  
**REGISTRATION:**  
For registration forms and information on travel and accommodation see:  
[www.phil.vt.edu/assc](http://www.phil.vt.edu/assc)  
**Deadline for early registration is April 30, 1998.**  
Registration fees:  
Early: \$400  
Late: \$450  
Non-members: \$400  
ASSC Members: \$350  
Students: \$250  
Student ASSC Members: \$200



Main Organizer: Thomas Metzinger

[www.phil.vt.edu/assc](http://www.phil.vt.edu/assc)



# ASSC3 (1999)

“I still have in my mind an experience from the 1999 meeting, in which I and some eminent aficionados of consciousness, including, I think, David Chalmers & David Rosenthal, sat in the front row of an almost empty cinema in down-town London (Ontario) watching the Phantom Menace, when it was first released.

The consequence of this encounter can be seen all over the internet with the various speculations as to whether Jar Jar Binks has already reached that state of pure non-self-consciousness endlessly sought by the Jedi.”

— Chris Frith





# ASSC4 (2000)



## the Unity of Consciousness: Binding, Integration, and Dissociation

Consciousness has many elements, from sensory experiences such as vision, audition, and bodily sensation, to nonsensory aspects such as volition, emotion, memory, and thought. The apparent unity of these elements is striking: all are presented to us as experiences of a single subject, and all seem to be contained within a unified field of experience. But this apparent unity raises many questions. How do diverse systems in the brain co-operate to produce a unified experience? Are there conditions under which this unity breaks down? And is conscious experience really unified at all?

In recent years, these questions have been addressed by researchers in many fields. Neurophysiologists and computational modelers have investigated the mechanisms by which binding and integration of disparate information may take place in the brain, producing a unified experience. Neuropsychological research has documented a large variety of dissociation disorders in which damage to specific brain regions leads to dissociated experiences, suggesting the apparent disintegration of a unified subject. Cognitive psychologists have investigated the role of attention and learning in the integration of information, and have examined conditions under which perception and action, or subjective experience and behavior, can become dissociated.

Some cognitive modelers have suggested that unity is a mere illusion, while others have emphasized the role of a central unifying system in integrating sensory and motor experience. And philosophers have analyzed just what the unity of consciousness comes to, and whether we have reason to believe that it exists.

The fourth ASSC conference will bring together researchers from numerous disciplines to discuss these issues. Topics that will be addressed include:

- the role of synchronous oscillations in binding and integration
- other neurophysiological mechanisms for integration of information
- computational models of binding, integration, and unity
- neuropsychological disorders with dissociation of experience
- the role of attention and learning in unification of experience
- dissociations between perception, thought, and action
- implicit vs. explicit aspects of knowledge and learning
- dissociations between perceptual systems
- the relationship between information integration and unified experience
- analysis of the concept of unity
- unification of consciousness and self across time
- the existence or nonexistence of unified consciousness

### CALL FOR PAPERS

While the central theme of ASSC4 is "the unity of consciousness", and plenary sessions will deal largely with this theme, speakers in concurrent sessions are invited to talk on any topic relevant to the scientific study of consciousness. Submissions that include physiological, psychological, philosophical, and computational perspectives are all welcome.

Submissions for both posters and talks will be accepted. Any person may present only one submission, but may be co-author on several. Oral presentations will be limited to 20 minutes, to be followed by a 10-minute discussion period.

Plenary lectures, workshops, symposia, concurrent sessions, and poster sessions will all be held on the Solbosch campus of the Université Libre de Bruxelles.

### SUBMISSION OF PAPERS AND POSTERS:

Submissions must include the following information in the order listed below:

1. Title.
2. Name, affiliation, and ASSC membership status of each co-author.
3. An abstract of up to 200 words.
4. Complete contact information for the author with whom the scientific programme committee will interact with about the submission:
  - Name
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5. One or two keywords describing the domain of your contribution.
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7. An indication of whether the proposal is submitted as a:
  - a. Spoken presentation
  - b. Poster presentation
8. An indication of your willingness to switch presentation format if your proposal cannot be included in the programme as per your stated preference.

To submit your proposal(s) for consideration, please do one of the following (listed in order of preference):

1. Send electronic mail to <asso4sub@ulb.ac.be>, with the words "ASSC4 ABSTRACT SUBMISSION" followed by the last name of the presenting co-author in the Subject field of your message
2. Fill out the electronic submission form available on this page: <http://www.ulb.ac.be/event/ASSC4/sub/onlineub.html>
3. Fax your proposal to this number: +322 650 33 39. Make sure the cover page includes the address indicated below.
4. Send a hardcopy of your proposal to:

ASSC4  
c/o Axel Cleeremans  
Cognitive Science Research Unit  
Université Libre de Bruxelles  
50 ave. F.-D. Roosevelt CP 122  
B-1050 Brussels  
BELGIUM

ABSTRACTS MUST BE RECEIVED BY FEBRUARY 15TH, 2000

### REGISTRATION:

To register, please follow the instructions available from the conference website:

<http://www.ulb.ac.be/event/ASSC4/reg/index.html>

Deadline for early registration: April 30th, 2000.

Registration fees:	Early	Late
Non-members	6000 BEF	8000 BEF
ASSC members	5000 BEF	7000 BEF
Students	2500 BEF	3000 BEF
Student ASSC members	2000 BEF	2500 BEF

Note: All fees should be paid in Belgian Francs.

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Brussels (Belgium)  
June 29th - July 2nd, 2000

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Andreas Engel · Glyn Humphreys

Susan Hurley · Pierre Perruchet

Randall C. O'Reilly · Sydney Shoemaker

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Main Organizer: Axel Cleeremans

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ULB



ASSOCIATION FOR THE SCIENTIFIC  
STUDY OF CONSCIOUSNESS

Scientific Programme Committee:

David Chalmers · Axel Cleeremans · Christof Koch · Philip Merikle · Antti Revonsuo · Patrick Wilken



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Andreas Engel · Glyn Humphreys

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Andrew Young · Semir Zeki

Main Organizer: Axel Cleeremans

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ULB



ASSOCIATION FOR THE SCIENTIFIC  
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Scientific Programme Committee:

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# ASSC9 (2005)

“My biggest concern while being both the second president of ASSC back in 1998 and in organizing ASSC9 at Caltech in the summer of 2005 was to further legitimize the study of consciousness in the eyes of the hard science community in general and in the eyes of neuroscientists, already at the time a vast community”

Christof Koch





# LASSC VEGAS (ASSC11)

I suggested that I knew a few of the many magicians who lived or worked there, and would see if any of them would like to do a lecture-demonstration on the cognitive science of magic, a topic that had fascinated me for years. I was given the green light to look into this, and sure enough, my good friend James (the Amazing) Randi said he would organize something, and he certainly did, bringing Apollo Robbins, Mac King, Teller (of Penn and Teller), and Johnny Thompson together for a special symposium.

The symposium Martinez-Conde and Macknik arranged, “The Magic of Consciousness”, was one of the best attended and most enthusiastically discussed sessions at any ASSC meeting I’ve attended, and it led to a good deal of favorable publicity for ASSC.

I don’t know whether the symposium bolstered the support for my claim that the “magic” of consciousness is more stage magic, more a bag of tricks, than something science-defying or beyond human ken, but it was both instructive and hugely entertaining.

— Dan Dennett



# LASSC VEGAS (ASSC11)



“My feeling is that, if you can remember an ASSC meeting, then you probably weren’t there.”

— Chris Frith



# ASSC12 (2008)



The 12th Annual Meeting of the  
Association for the Scientific Study of Consciousness  
意識科學研究學會

# ASSC 12

Gis Convention Center  
Taipei, Taiwan 台灣

June 19-22, 2008  
[www.ym.edu.tw/assc12](http://www.ym.edu.tw/assc12)

We are soliciting abstracts for oral or poster presentations by February 1, 2008.

**Presidential Address:**

- David Rosenthal (City University of New York, USA)

**Keynote speakers:**

- Thomas Metzinger (Johannes Gutenberg-Universität Mainz, Germany)
- Mitsuo Kawato (Advanced Telecommunications Research Institute International, Japan)
- Tetsuro Matsuzawa (Kyoto University, Japan)
- Susana Martinez-Conde (Barrow Neurological Institute, USA)

**Symposium speakers:**

• Ned Block (New York University, USA)	• Steven Laureys (University of Liège, Belgium)
• Barbara Jones (McGill University, Canada)	• Tim Bayne (University of Oxford, UK)
• Donald Pfaff (Rockefeller University, USA)	• Ian Gold (McGill University, Canada)
• Victor Lamme (University of Amsterdam, Netherlands)	• Keiji Tanaka (RIKEN Brain Science Institute, Japan)
• Adrian Owen (University of Cambridge, UK)	• Ryan McKay (Queen's University Belfast, UK)
• Charles Spence (University of Oxford, UK)	• Glyn Humphreys (University of Birmingham, UK)
• Shaul Hochstein (Life Sciences Institute and Neural Computation Center, Israel)	• Robyn Langdon (Macquarie University, Australia)
• Sid Kouider (Ecole Normale Supérieure, France)	

**Tutorial Workshops:**

- Antoine Bechara topic: Emotion, Feeling, and Interoception
- Juliane Wilcke topic: The Evolutionary Function of Consciousness
- Jennifer Windt & Thomas Metzinger topic: Dreaming
- Tim Bayne & Jakob Hohwy topic: Conscious States and Conscious Creatures: Explanatory Strategies in the Science of Consciousness
- Andrew Brook topic: Consciousness Terminology



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# ASSC PRESIDENTS

1997 Bernard Baars, The Wright Institute, Berkeley

1998 Christof Koch, California Institute of Technology

1999 Mel Goodale, University of Western Ontario

2000 Phil Merikle, University of Waterloo

2001 Chris Frith, University College London

2002 Larry Weiskrantz, Oxford University

2003 Ned Block, New York University

2004 Petra Stoerig, Heinrich-Heine-University

2005 Stanislas Dehaene, I.N.S.E.R.M.

2006 Daniel C. Dennett, Tufts University

2007 Michael Gazzaniga, UCSB

2008 David Rosenthal, CUNY Graduate Center

2009 Giulio Tononi, University of Wisconsin-Madison

2010 Thomas Metzinger, Universität Mainz

2011 Ralph Adolphs, Caltech

2012 Victor Lamme, University of Amsterdam

2013 Andreas Engel, Hamburg University

2014 David Chalmers, New York University and ANU

2015 Marisa Carrasco, New York University

2016 Steven Laureys, Université de Liège



# ASSC COMMITTEES

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### Past President

- [Marisa Carrasco](#) - New York University, USA

### President

- [Steven Laureys](#) - Universite de Liege, Belgium

### President-Elect

- [Catherine Tallon-Baudry](#) - Ecole Normale Supérieure, France

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- [Ned Block](#) (2014-2017) - New York University, USA
- [Axel Cleeremans](#) (2014-2017) - Université libre de Bruxelles, Belgium
- [Anil Seth](#) (2013-2016) - University of Sussex, UK
- [Naotsugu Tsuchiya](#) (2013-2016) - Monash University, Australia
- [Sid Kouider](#) (2016-2019) - Ecole Normale Supérieure, France
- [Simon van Gaal](#) (2016-2019) - University of Amsterdam, Netherlands

## ASSC Officers

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- [Steve Fleming](#)

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- [Sundeeep Teki](#)

### Director of Communications

- [David Zhou](#)
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### Treasurer

- [Eve Isham](#)

### Secretary

- [Cassandra Gould](#)

## Conference Committee

- Aleksandra Mroczko-Wasowicz (2013-2016) Chair
- Roy Salomon (2013-2016)
- Andrew Dykstra (2015-2018)
- Jacobo Sitt (2016-2019)

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- Sara Kimmich (Student Member, 2013-2016) Chair
- Maria Giovanna Corrado (Student Member, 2014-2017)
- Henry Shevlin (Student Member, 2015-2018)
- Aurelio Cortese (Student Member, 2015-2018)
- Bruno van Swinderen (Full Member, 2013-2016)

## Membership Committee

- Lucie Charles (2013-2016) Chair
- Michael Beaton (2013-2016)
- Monica Gagliano (2014-2017)

## Prize Committee

- Ralph Adolphs (2011-2016)
- Thomas Metzinger (2013-2017)
- Andreas Engel (2014-2018)
- David Chalmers (2015-2019)

## Elections Committee

- Executive Director - Stephen Fleming
- Independent Observer - Cassandra Gould





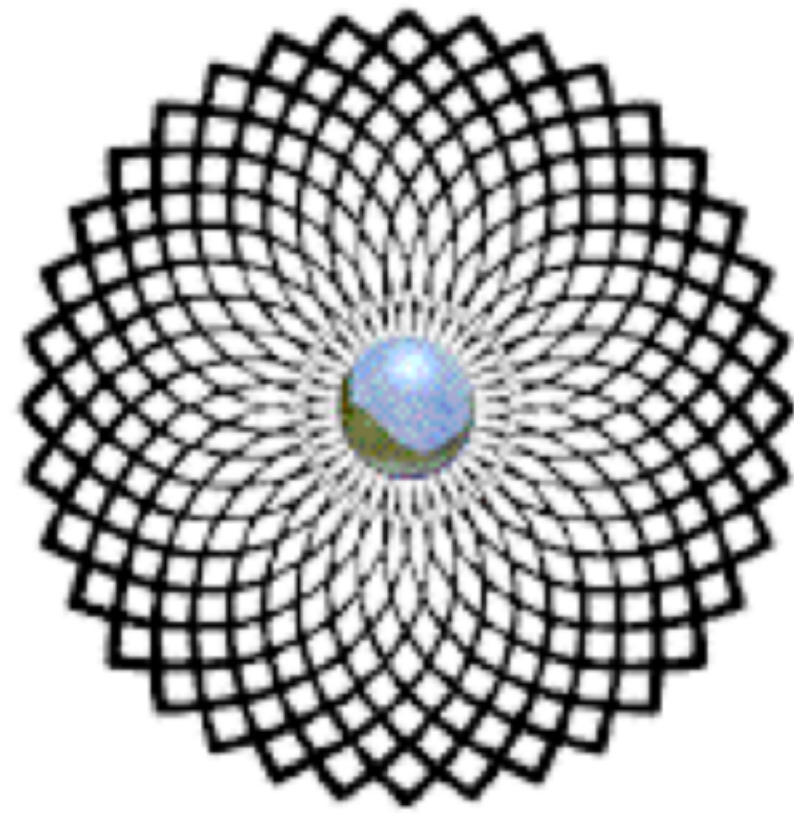
# ASSC LEADERSHIP



Patrick Wilken



# THE GREAT 2008 LOGO DEBATE (THANKS OLIVIA!)



ASSOCIATION FOR THE SCIENTIFIC  
STUDY OF CONSCIOUSNESS

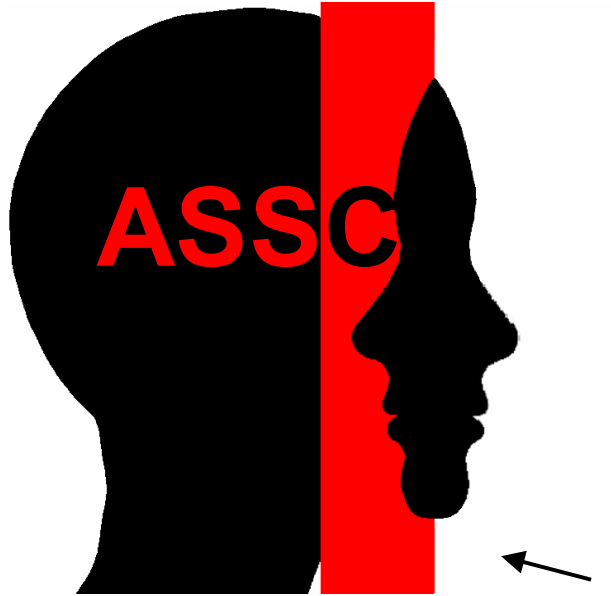


Olivia Carter



# THE GREAT 2008 LOGO DEBATE (THANKS OLIVIA!)

1

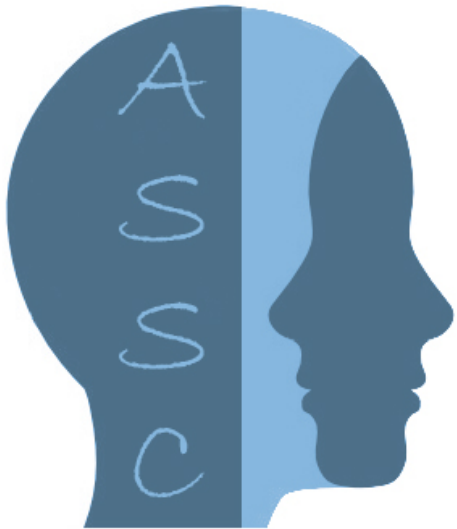


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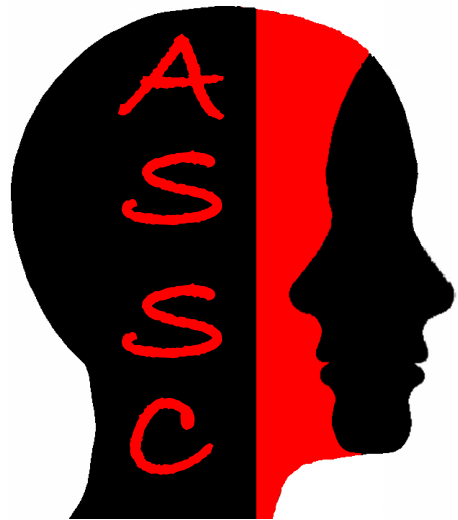


Red sheet goes through head or not?

2



5



Which font?

3

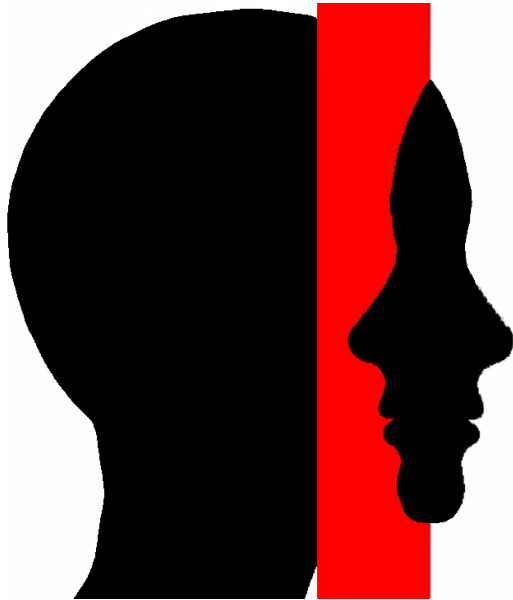


6



Which color?

Irrespective of the design there will also be a no text option like the ones below



Olivia Carter



# WILLIAM JAMES RECIPIENTS

2004 (Antwerp): Steven Laureys — “Brain function in the vegetative state”

2005 (Pasadena): Hakwan Lau — “Attention to intention”

2006 (Oxford): Sang-Hun Lee — “Traveling waves of activity in early visual cortex during binocular rivalry”

2007 (Las Vegas) Sid Kouider — “Cerebral bases of subliminal and supraliminal priming during reading”

2008 (Taipei) Naotsugu Tsuchiya — “Continuous flash suppression reduces negative afterimages”

2009 (Berlin) Joël Pearson — “The functional impact of mental imagery on conscious perception”

2010 (Toronto) Yann Cojan — “The brain under self-control: modulation of inhibitory and monitoring cortical networks during hypnotic paralysis”

2011 (Kyoto) Ian Philipps — “Perception and iconic memory: What Sperling doesn’t show”

2012 (Brighton) Stephen Fleming — “Relating introspective accuracy to individual differences in brain structure”

2013 (Brighton) Aaron Shurger — “An accumulator model for spontaneous neural activity prior to self-initiated movement”

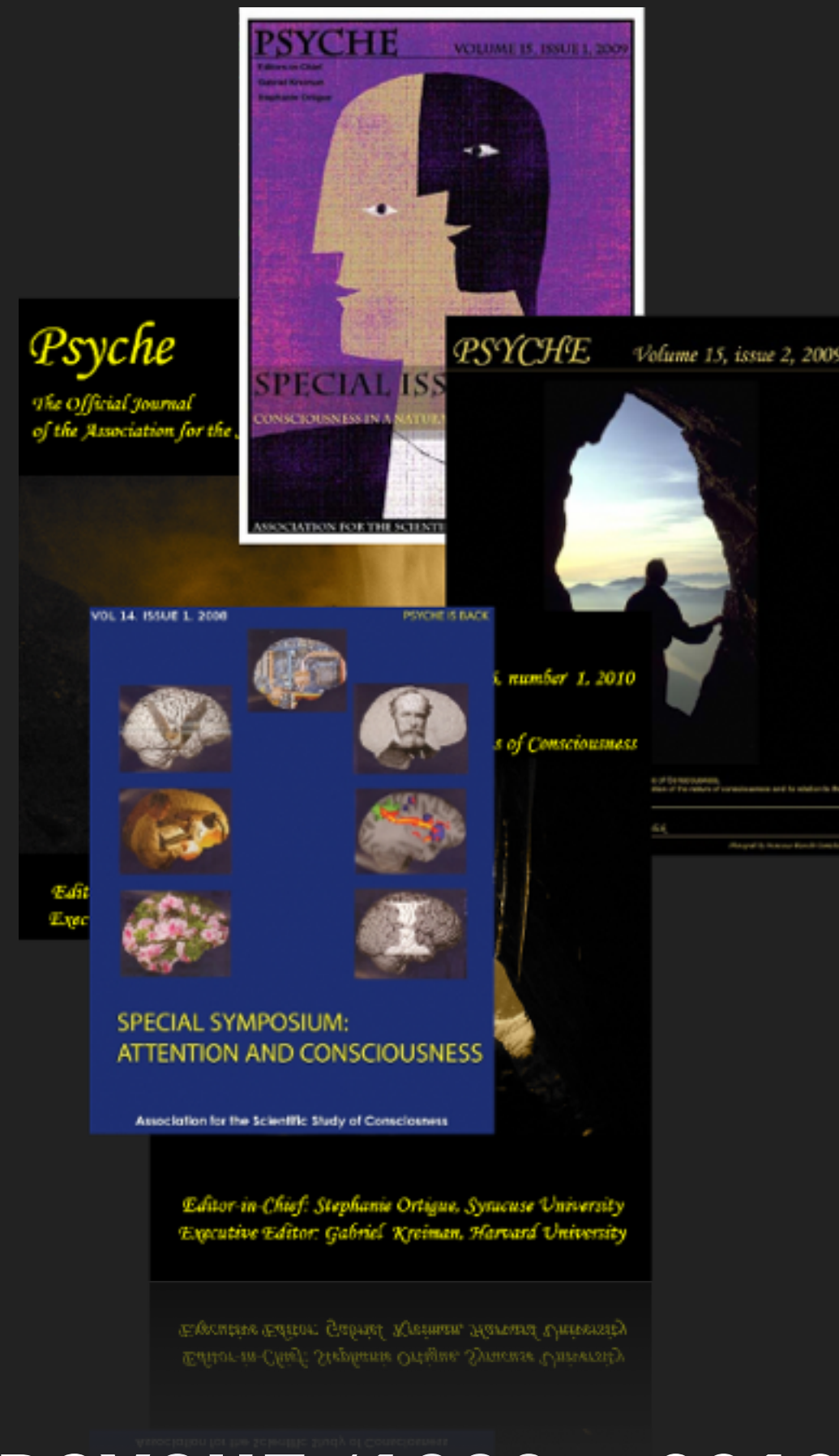
2014 (Brisbane) Zhicheng Lin — “Priming of awareness or how not to measure visual awareness”

2015 (Paris) Alexandra Vlassova — “Unconscious information changes decision accuracy but not confidence”

2016 (Buenos Aires) Satoshi Tajima — “Untangling brain-wide dynamics in consciousness by cross-embedding”



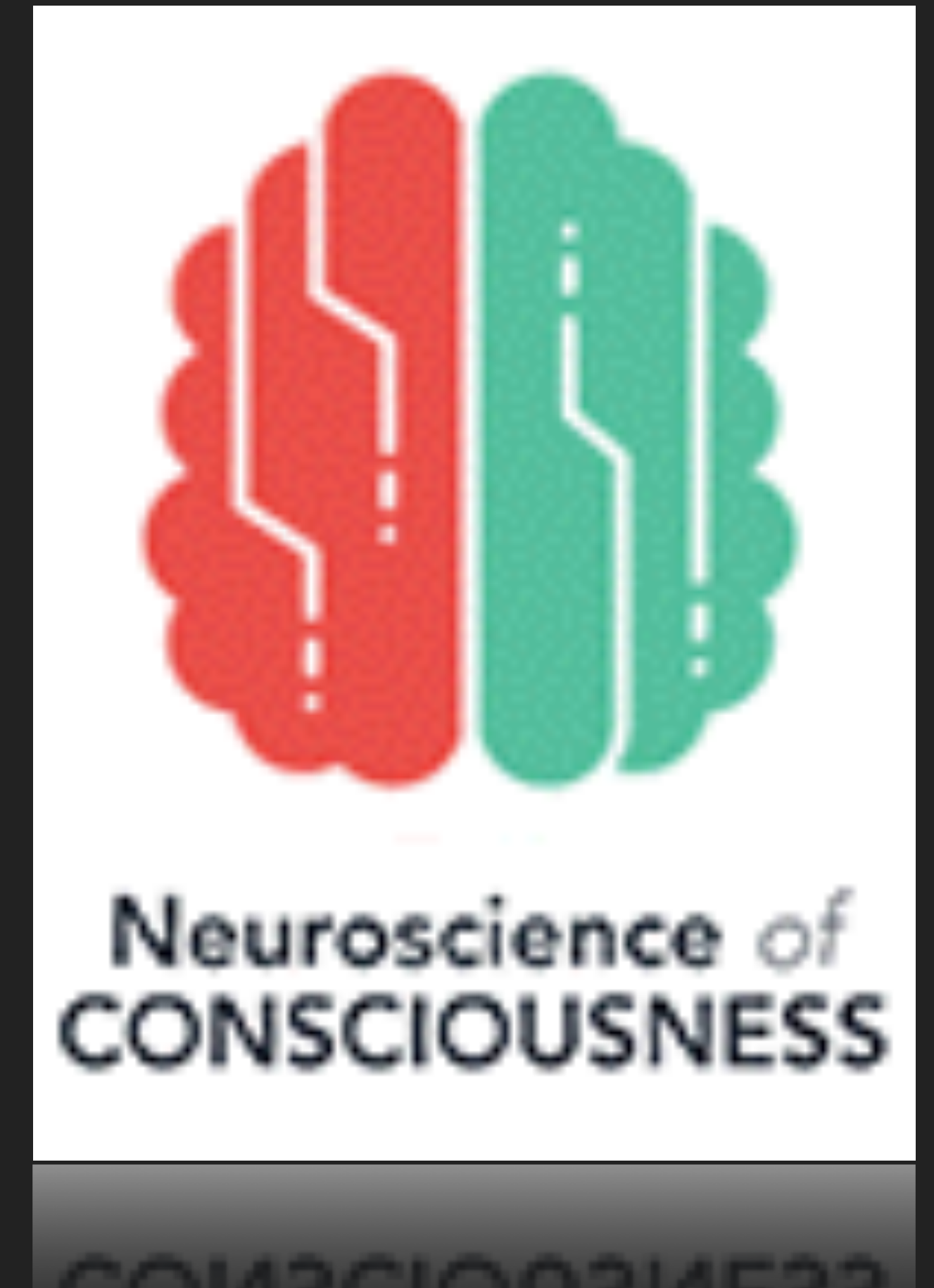
# JOURNALS



**PSYCHE (1992 – 2010)**  
**Patrick Wilken**



**Consciousness and Cognition**  
**Baars & Banks**



**Neuroscience of Consciousness**  
**Anil Seth**

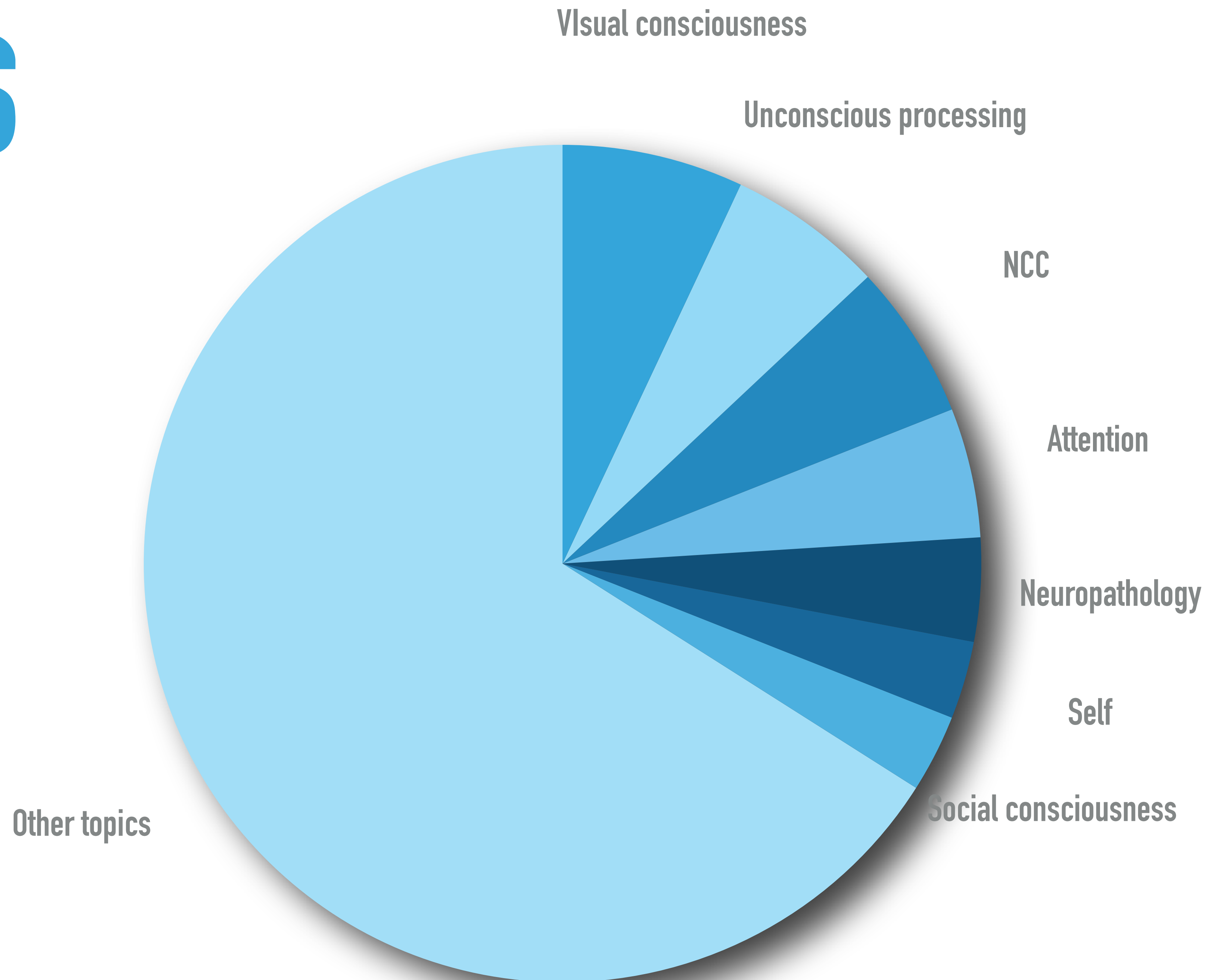


# TOPICS

Topics compiled from  
plenary lectures and  
symposia from ASSC2  
to ASSC20

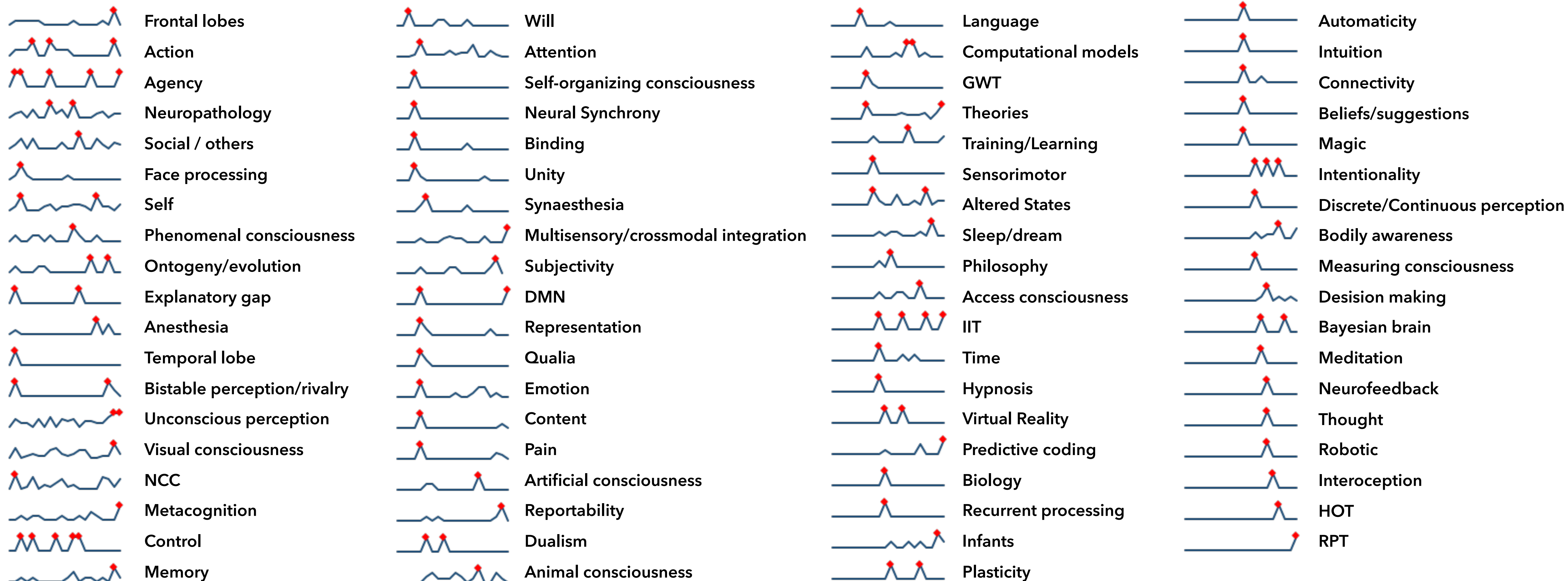


Laurène Vuillaume





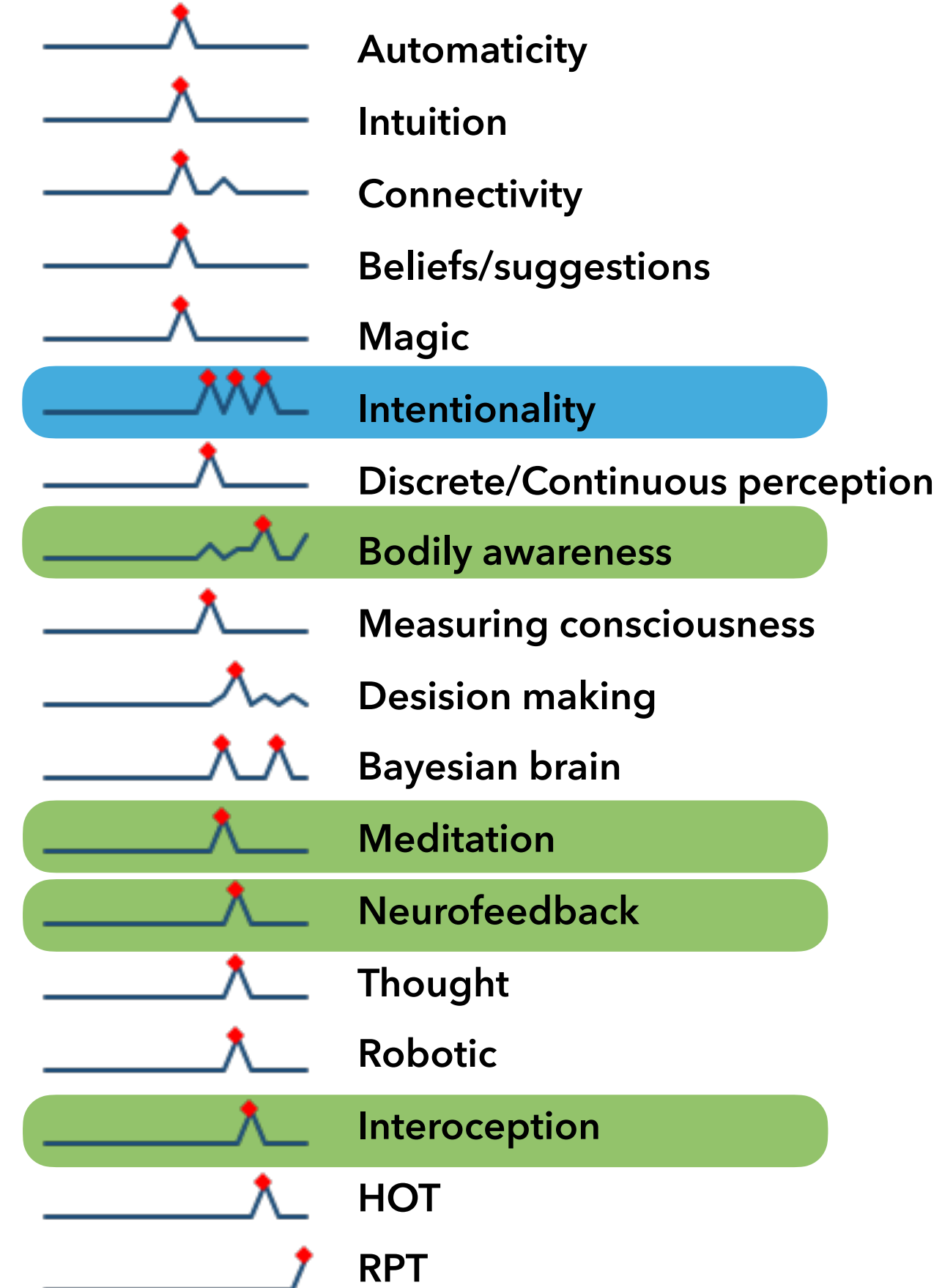
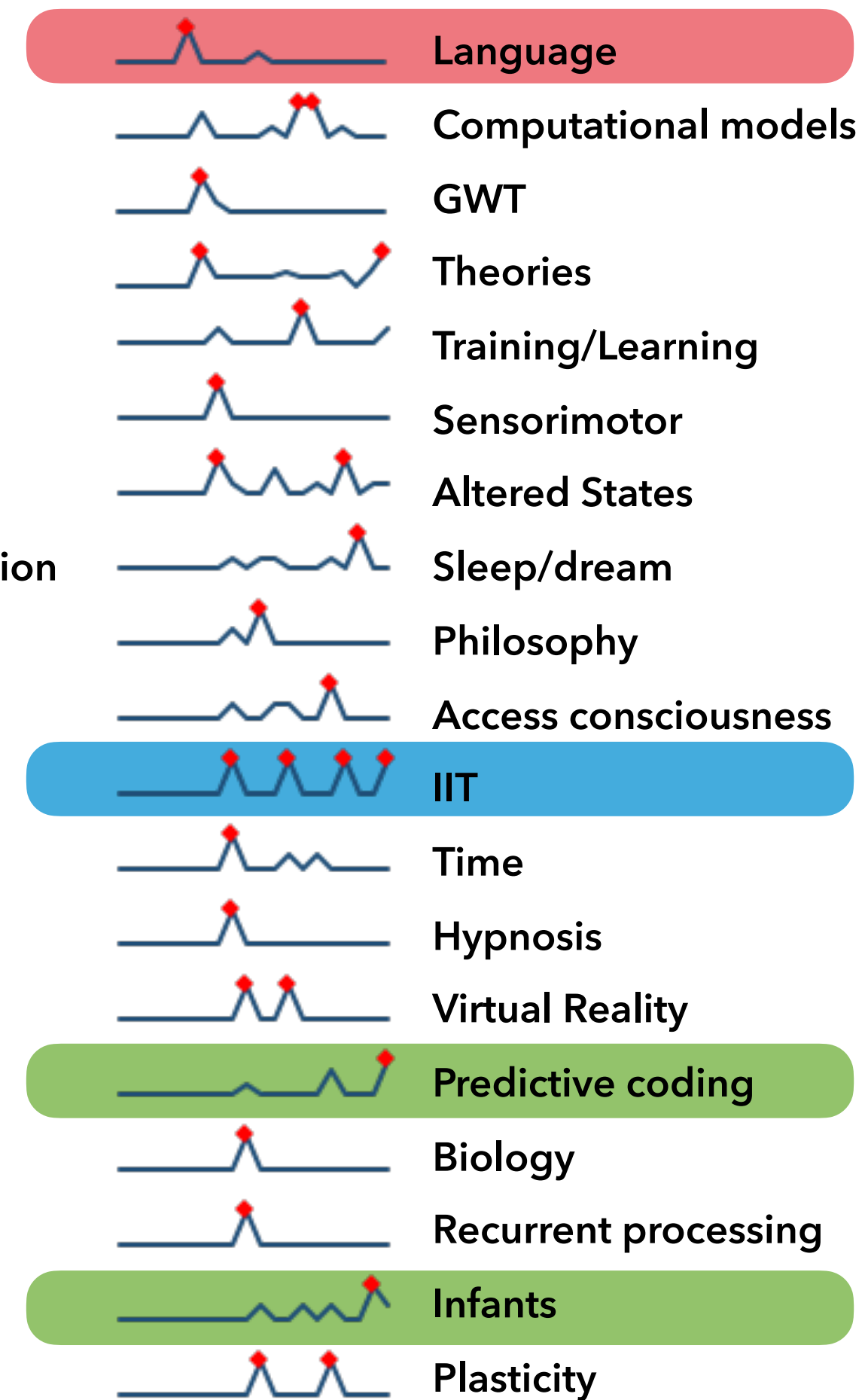
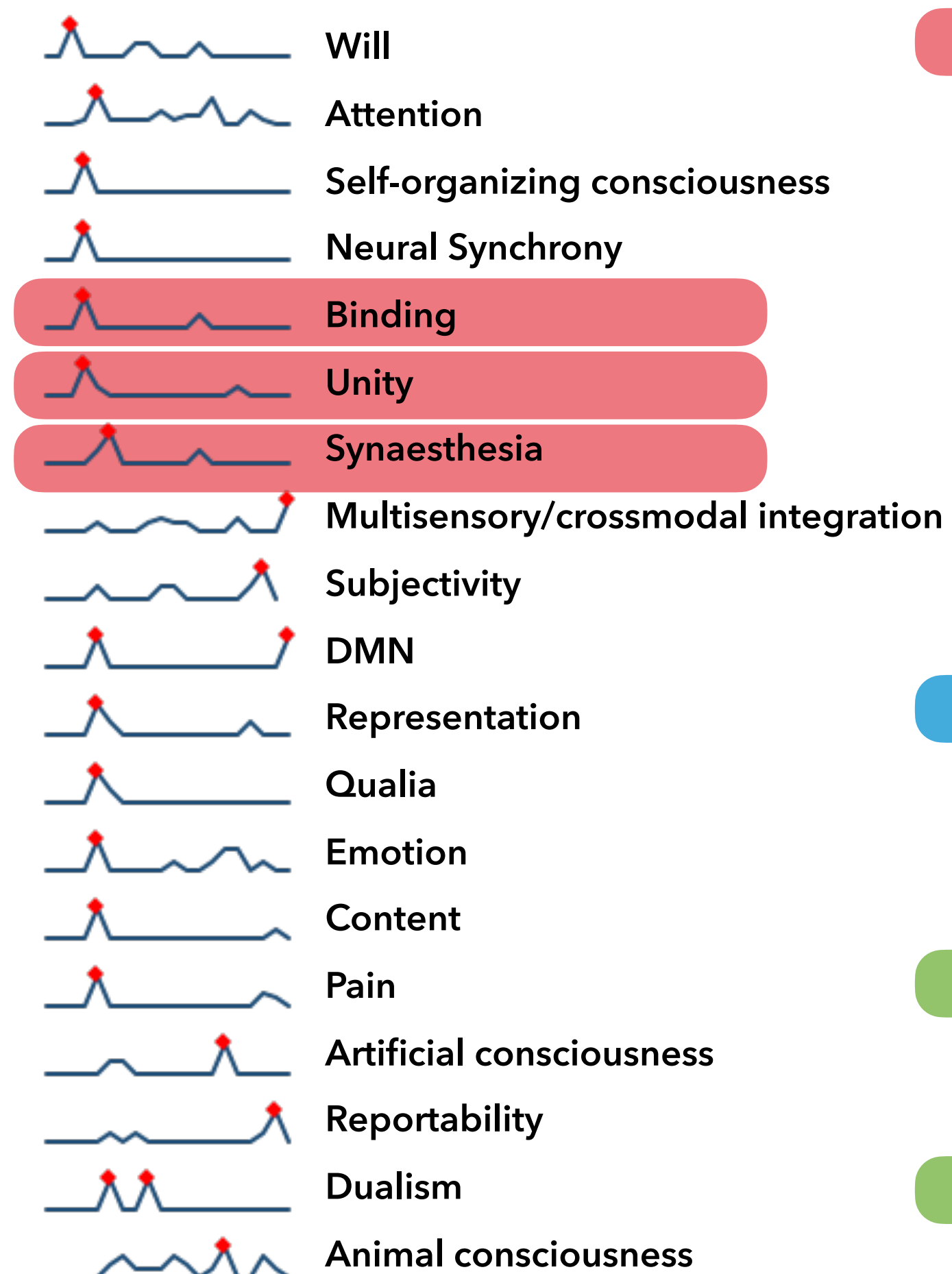
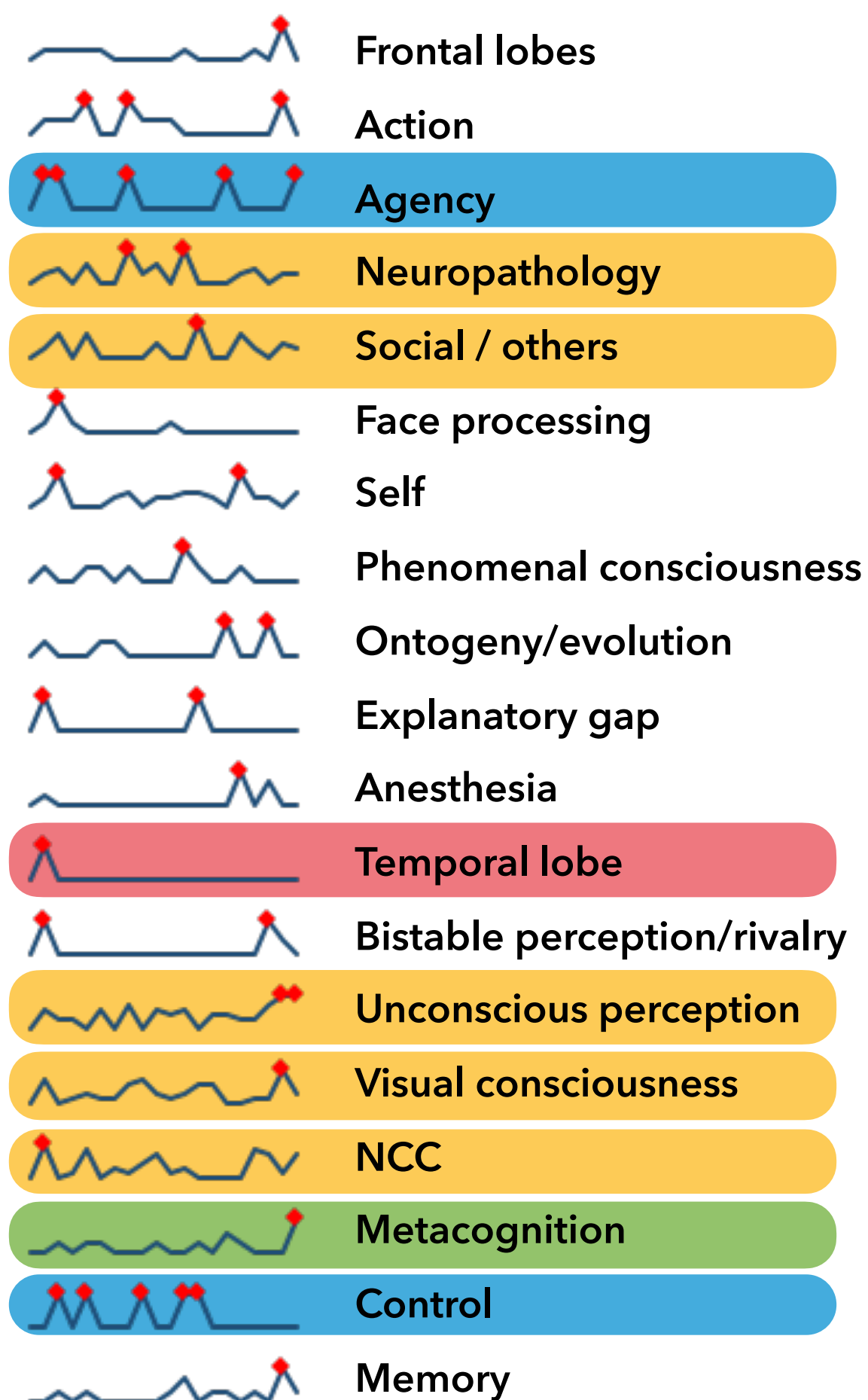
# ASSC DYNAMICS





# ASSC DYNAMICS

OLDIES BUT GOODIES  
PASSÉ?  
SEA SERPENTS  
NEW KIDS ON THE BLOCK





# PATRICK WILKEN (10TH ANNIVERSARY LECTURE)

## *Concluding remarks*

It is only in the last dozen years that consciousness has again become an active topic of conversation within the sciences.

The ASSC was formed right at the beginning of this new golden age, and our role - that of promoting consciousness as a worthy topic of consideration in science - has so far been highly effective.

We have been responsible for holding ten successful meetings; of which three key volumes have been published. In addition, we support the development of new researchers in the field with the annual and increasingly prestigious William James Prize.

In the future we plan a move into Asia to make us truly international in scope, an e-print archive, and possibly even our own journal.

We do this all within the framework of a 600 member democratically run organization, composed of many of the key players in the field.

Our prospects are bright.



**Patrick Wilken**



# THE POWER OF INTERDISCIPLINARY





# ASSC100 (2096)







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CAKE CO.**

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**THE  
CONSCIOUS  
CAKE CO.**

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# HAPPY XXTH

I am feeling sorry of a day  
Where is my body?  
Do I have a body?  
Am I getting old already?  
Where do I come from?  
I wish I could not myself  
What was I thinking?  
Where is everybody?

# BIRTHDAY

# ASSC!

