

MEDICINE'S STORY: LIMITS OF THE MEDICAL RECORD Monday, September 12, 2005
2-5 p.m.
Moderator: DANIEL DUGAN, Emanuel Medical Center
ALFRED I. TAUBER, Boston University
Taking Medical Ethics Seriously
WILLIAM DONNELLY, Loyola University Stritch School of Medicine
Developing a Patient-Centered Medical Record
LAWRENCE WEED, Problem-Knowledge Coupler Corporation
Pathways To and From the Medical Record
Boston University
The Castle
225 Bay State Road

ON THE NATURE OF SCIENCE Monday, September 19, 2005
4 p.m.
Moderator: WILLIAM DEVLIN, Boston University
PAUL HOYNINGEN-HUENE, University of Hannover
Boston University
The Castle
225 Bay State Road

***THE ROBERT S. COHEN FORUM: CONTEMPORARY ISSUES IN SCIENCE STUDIES**

The Forum, an annual lecture series, explores selected controversies in philosophy, history, and sociology of science that provide wide resonances in other academic disciplines. In an intellectual context accessible to the nonspecialist, a single theme is discussed with the aim of establishing the foundations, conceptual boundaries, and interdisciplinary implications of the given topic. This series is named in honor of Professor Robert S. Cohen, who co-founded with Professor Marx Wartofsky the Boston Colloquium and served as its director for more than thirty years.

**VALUES, ETHICS, AND MEDICAL SCIENCE:
THE NEW MEDICAL SCHOOL CURRICULUM** Thursday and Friday,
September 22-23, 2005
Boston University
Terrace Lounge
George Sherman Union
775 Commonwealth Avenue

Thursday Morning Session, 9 a.m.-noon

Moderator: MARJORIE CLAY, University of Massachusetts

INTRODUCTION: ALFRED I. TAUBER, Boston University
VINEET ARORA, University of Chicago Pritzker School of Medicine
Discontinuity of Patient Care: Implications for Medical Training
RICHARD GUNDERMAN, Indiana University School of Medicine
The Ecology of Biomedical Science and Ethics
RANDOLPH SCHIFFER, Texas Tech University
**Doctors' Mistakes: The Matrixation of the Patient and
Related Category Errors in Medical Education**

Thursday Afternoon Session, Part I, 1-2 p.m.

Moderator: RICHARD COOPER, University of Pennsylvania

DEBRA LITZELMAN, Indiana University School of Medicine
**The New Formal and Informal Curriculum at
Indiana University: Overview and Five-Year Review**

Afternoon Session, Part II, 2:30-6 p.m.

Moderator: EUGENE CORBETT, University of Virginia

THOMAS GLICK, Harvard Medical School
Improving Medical Education in the Early 21st Century
LYNDA MEANS, Indiana University School of Medicine
**Using Unannounced Standardized Applicants to Change
Admissions Officers' Interviewing Skills**
DAVID COLE, Independent Scholar
The "A" Plan: A Developmental Path to Medical Education Reform
STEVEN KANTER, University of Pittsburgh School of Medicine
**In-Depth Learning Experiences Enable Full Integration
of the Human Dimensions of Medicine**

Friday Morning Session, 9 a.m.-1 p.m.

Moderator: Michael Whitcomb, Association of American Medical Colleges

SHARON DOBIE, University of Washington
Are We Willing to Look Inside?
MARGARET GAFFNEY, Indiana University School of Medicine
A Conscience-Sensitive Approach to Ethics and Teaching Caring Attitudes
LINDA WELSH, University of Pennsylvania
Enter the Doctor: Sociodrama in Medical Education
ARLENE BREWSTER, Northeast Ohio University College of Medicine
The Overlooked Curriculum: The Emotional Component in Ethical Conduct
ROBERT RUSSELL, Medical College of Wisconsin
Learning the Practice of Ethics: Institutionalization of Lived Ethics in Medical Education

****C. H. WADDINGTON: A CENTENARY CELEBRATION** Friday, October 7, 2005
Boston University
Terrace Lounge
George Sherman Union
775 Commonwealth Avenue
Morning Session, 10 a.m.-noon
Moderator: CONSTANTINOS MEKIOS, Boston University
ROBERT ROOT-BERNSTEIN, Michigan State University
**Behind Appearance: Waddington on the Relationship
of the Arts to the Sciences**
BRIAN HALL, Dalhousie University
Waddington, Man and Metaphor: The Epigenetic Landscape
Afternoon Session, 2-5 p.m.
Moderator: GAL KOBER, Boston University

DENIS WALSH, University of Toronto
The Strategy of the Organism

RICHARD LEWONTIN, Harvard University
Did Waddington Really Understand Canalization?

SCOTT GILBERT, Swarthmore College, and KATHERINE MCCAIN, Drexel University
C. H. Waddington and the Transfer of Information: Flows and Networks in Embryos and in Research

**MAKING MOLECULES MATTER:
TOPICS IN THE PHILOSOPHY OF CHEMISTRY** Thursday, October 20, 2005
2-5 p.m.
Moderator: LEE MCINTYRE, Boston University
NALINI BHUSHAN, Smith College
What Is a Chemical Property?
JEFF RAMSEY, Smith College
Calibrating and Constructing Models of Protein Folding
ROALD HOFFMAN, Cornell University
What Might Philosophy of Science Look Like If Chemists Built It?
Boston University
The Castle
225 Bay State Road

***UNIVERSITY-INDUSTRY RELATIONS:
GETTING PERSPECTIVE** Thursday, November 3, 2005
4 p.m.
Moderator: ALISA BOKULICH, Boston University
STEVEN SHAPIN, Harvard University
Commentator: SHELDON KRIMSKY, Tufts University
Boston University
The Castle
225 Bay State Road

***INFORMATIONAL MODELS IN 1950s
SELECTIVE THEORIES OF ANTIBODY FORMATION** Monday, November 14, 2005
4 p.m.
Moderator: ALFRED I. TAUBER, Boston University
ANDREA GRIGNOLIO, Boston University
Commentator: SCOTT PODOLSKY, Harvard University
Boston University
Department of Philosophy, Room 525
745 Commonwealth Avenue

***§EINSTEIN: A MAN FOR THE NEXT MILLENNIUM?** Monday, December 5, 2005
7 p.m.
Moderator: PETER BOKULICH, Boston University
JOHN STACHEL, Boston University
Boston University
Terrace Lounge
George Sherman Union
775 Commonwealth Avenue

THE LEGACY OF J. J. GIBSON Monday, January 30, 2006
2-5 p.m.
Moderator: LUCIANA GARRAYO, Boston University
ROBERT BRISCOE, Loyola University
Vehicles of Perception
ALVA NOË, University of California Berkeley
Perception Without Representation
RUTH MILLIKAN, University of Connecticut
**Postulating Perceptual Representations in a Way
That Actually Supports Gibson's Central Insights**
Boston University
The Castle
225 Bay State Road

LEVINAS AND MEDICAL ETHICS Monday, February 13, 2006
Boston University
The Castle
225 Bay State Road
Moderator: SIMON KELLER, Boston University
Morning Session, 10 a.m.-noon
LAZARE BENAROYO, University of Lausanne
**Vulnerability, Hospitality, and Trust:
The Significance of Levinas for an Ethics of Care**
PETER KEMP, The Danish University of Education
Levinas in Bioethics
Afternoon Session, 2-5 p.m.
ROGER BURGGRAEVE, Catholic University Leuven
**"Not to Let the Other Alone:" Levinas on the Responsibility
of the Medical Profession for the Suffering and the Dying**
LAURIE ZOLOTH, Northwestern University
The Self Turned Inside Out: From Autonomy to Hospitality in Bioethics
ROBERT GIBBS, University of Toronto
Suffering, Responsibility, and Bioethics

GÖDEL'S PHILOSOPHY Monday, February 27, 2006
2-5 p.m.
Moderator: JULIET FLOYD, Boston University
JULIETTE KENNEDY, University of Helsinki
**Two Observations in the Introduction to Gödel's Thesis,
or Must Meaningful Questions Be Decided?**
PALLE YOURGRAU, Brandeis University
On Data of the Second Kind
MARK VAN ATTEN, Centre National de la Recherche Scientifique
Sets and Monads: On Gödel and Leibniz
Boston University
The Castle
225 Bay State Road

***FOUNDATIONS OF QUANTUM INFORMATION
AND ENTANGLEMENT** Friday and Saturday,
March 24-25, 2006
Boston University
The Photonics Center
Colloquium Room, 9th Floor
8 St. Mary's Street
Friday Morning Session, 9 a.m.-12:30 p.m.
Opening Remarks: ABNER SHIMONY, Boston University
Moderator: ALISA BOKULICH, Boston University
DON HOWARD, University of Notre Dame
The Early History of Quantum Entanglement: 1905-1935
LORENZA VIOLA, Dartmouth College
**Entanglement as an Observer-Dependent Notion: Entanglement and Subsystems, Entanglement
Beyond Subsystems, and All That**
SANDU POPESCU, University of Bristol, Royal Fort
Nonlocality Beyond Quantum Mechanics
Friday Afternoon Session, 2-5 p.m.
Moderator: GREGG JAEGER, Boston University
LEAH HENDERSON, Massachusetts Institute of Technology
Quantum Information and Entropy
CHRIS TIMPSON, University of Leeds
Information, Immaterialism, Instrumentalism: Old and New in Quantum Information
WOJCIECH ZUREK, Los Alamos National Laboratory
Probabilities from Entanglement: Born's Rule from Invariance
Saturday Morning Session, 9 a.m.-noon
Moderator: ALISA BOKULICH, Boston University
WAYNE MYRVOLD, University of Western Ontario
There and Back Again: From Physics to Information Theory and Back
HANS HALVORSON, Princeton University
Otherworldly Information Theory
LUCIEN HARDY, The Perimeter Institute
Beyond Quantum Theory: Information and Entanglement in General Probabilistic Frameworks
Saturday Afternoon Session, 2-5 p.m.
Moderator: GREGG JAEGER, Boston University
ADRIAN KENT, The Perimeter Institute
Relations Between Cryptographic and Physical Principles
JEFFREY BUB, University of Maryland
Quantum Computation: Where Does the Speed-up Come From?
ANTON ZEILINGER, Universität Wien
Experimental Quantum Communication and Quantum Computation with Entangled Photons

***DARWIN: CLASS, RACE, AND GENDER EQUALITY** Monday, April 3, 2006
2-5 p.m.
Moderator: ANDREW BERRY, Harvard University
JOY HARVEY, Independent Scholar
**Brains, Blood, and Beauty: Darwin's Correspondents on
Race, Gender, and Class**
DIANE PAUL, University of Massachusetts
Charles Darwin, John Stuart Mill, and the Origins of the Modern Nature-Nurture Debate
JANET BROWNE, University College London
The Natural Economy of Households: Charles Darwin's Account Books
Boston University
The Castle
225 Bay State Road

PHENOMENOLOGY AND PHILOSOPHY OF SCIENCE Monday, April 10, 2006
2-6 p.m.
Moderator: MIRJA HARTIMO, Tufts University
JUDSON WEBB, Boston University
Geometry and the Crisis of European Sciences
JOHN STACHEL, Boston University
Hermann Weyl's Changing Concept of Mathematics
WALTER HOPP, Boston University
Foundationalism, Phenomenology, and the Sciences
RICHARD COBB-STEVENS, Boston College
Husserl's Incomplete Philosophy of Science
Boston University
The Castle
225 Bay State Road

***RUSSIAN AND CHINESE FATHERS OF THE H-BOMB** Monday, April 24, 2006
4-6 p.m.
Moderator: PRISCILLA McMILLAN, Harvard University
GENNADY GORELIK, Boston University
A Russian-American Perspective on the Fathers of the H-Bombs
TIAN YU CAO, Boston University
Mao, Qian, Yu, and the Genesis of China's H-Bomb
Boston University
Department of Philosophy
Room 525
745 Commonwealth Avenue

The Boston University Center for Philosophy and History of Science began as an informal interuniversity collaboration of colleagues in philosophy, the natural and social sciences, history, psychology, religious studies, and the arts to stimulate exchange concerning all aspects of the philosophy and history of science, mathematics, and logic. The Center seeks to examine, in the broadest humanistic and social context, the factors that govern the theory and practice of science. The Colloquium, reflecting the Center's multifaceted agenda, is an eclectic program that attempts to foster interdisciplinary and international scholarly dialogue concerning the intellectual and social infrastructure of science and mathematics from all historical periods and from diverse cultures. All lectures are open to the public. Selected proceedings of the Colloquium appear in *Boston Studies in the Philosophy of Science* (Kluwer Academic Publishers; a list is available from the Center). In addition, the Center sponsors postgraduate research fellows, who have come from thirty-five countries. Alfred I. Tauber, Director; Peter Bokulich, Associate Director; Robert S. Cohen, Director Emeritus.

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* Co-sponsored by the National Science Foundation
† Co-sponsored by the Dibner Fund

‡ Co-sponsored by the Humanities Foundation, Boston University
§ Co-sponsored by the Center for Einstein Studies

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BOSTON COLLOQUIUM
FOR
PHILOSOPHY OF SCIENCE

2005/2006

FORTY-SIXTH ANNUAL PROGRAM