

MARK J. SCHIEFSKY

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EMPLOYMENT

Professor of the Classics, Harvard University, 2007-present

Chair, Department of the Classics, Harvard University, 2011-present

Senior Fellow, Center for Hellenic Studies, Harvard University, 2013-present

Member of Editorial Board, *Harvard Studies in Classical Philology*, 2011-present

Visiting Fellow, Excellence Cluster TOPOI, Humboldt University, Berlin, fall 2009

Member, Institute for Advanced Study, academic year 2006-2007

Associate Professor of the Classics, Harvard University, 2005-2007

Visiting Scholar, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, 2003-2004

Assistant Professor of the Classics, Harvard University, 2000-2005

Postdoctoral Research Fellow, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, 1999

EDUCATION

Ph.D. in Classical Philosophy, Harvard University, 1999

B.A. in Classics, Magdalene College, University of Cambridge, 1993

B.A. in Classics and Astronomy, University of Michigan, 1991

PUBLICATIONS

Book

Hippocrates 'On Ancient Medicine': Translated with Introduction and Commentary. Studies in Ancient Medicine 28 (Brill, 2005). Reviews: *BMCR* 2005.11.12 (C. Balla); *Isis* 97:2, 2006, 346-347 (R. Mayhew); *Bull. Hist. Med.* 80, 2006, 365-366 (G. E. R. Lloyd).

Articles and Reviews

"Ingenium: Engaging Novice Students with Latin Grammar," in *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI '16)*. ACM, New York, NY, USA, 944-956. With Sharon Zhou, Ivy J. Livingston, Stuart M. Shieber, and Krzysztof Z. Gajos. 2016. DOI=<http://dx.doi.org/10.1145/2858036.2858239>.

"*Technē* and Method in Ancient Artillery Construction: the *Belopoeica* of Philo of Byzantium," in *The Frontiers of Ancient Science: Essays in Honor of Heinrich von Staden*, ed. K.-D. Fischer and B. Holmes (Berlin: De Gruyter, 2015), 611-649.

"The Epistemology of Ptolemy's *On the Criterion*," in *Strategies of Argument: Essays in Ancient Ethics, Epistemology, and Logic*, ed. M. Lee (Oxford 2014), 301-331.

"The Creation of Second-Order Knowledge in Ancient Greek Science as a Process in the Globalization of Knowledge," in *The Globalization of Knowledge in History*, ed. J. Renn (Berlin: Edition Open Access, 2012), 191-202. Online at <http://www.edition-open-access.de/studies/1/12/index.html>

"Galen and the Tripartite Soul," in *Plato and the Divided Self*, ed. R. Barney, T. Brennan, and C. Brittain (Cambridge 2012), 331-349.

"Euclid and Beyond: Towards a Long-term History of Deductivity" (with Malcolm Hyman), *Künstliche Intelligenz* 2009.4, 25-29.

"Structures of Argument and Concepts of Force in the Aristotelian *Mechanical Problems*," *Early Science and Medicine* 14.1-3, 2009, 43-67.

"Theory and Practice in Heron's *Mechanics*," in *Mechanics and Natural Philosophy Before the Scientific Revolution*, ed. S. Roux and W. Roy Laird (Springer 2008), 15-49.

"Galen's Teleology and Functional Explanation," *Oxford Studies in Ancient Philosophy* 33, Winter 2007, 369-400.

"Art and Nature in Ancient Mechanics," in *The Artificial and the Natural: An Evolving Polarity*, ed. B. Bensaude-Vincent and W. Newman (MIT Press, 2007), 67-108.

“Technical Terminology in Greco-Roman treatises on Artillery Construction,” in *Antike Fachtexte/Ancient Technical Texts*, ed. T. Fögen (de Gruyter, 2005), 253-270.

“On Ancient Medicine on the Nature of Human Beings,” in *Hippocrates in Context*, ed. P. van der Eijk (Brill, 2005), 69-85.

Review of Philip J. van der Eijk, *Medicine and Philosophy in Classical Antiquity: Doctors and Philosophers on Nature, Soul, Health and Disease* (Cambridge, 2005). *The Lancet*, vol. 366, no. 9480 (July 9-15, 2005), 113-114.

Review of Liba Taub, *Ancient Meteorology* (Routledge, 2003). *New England Classical Journal* 31.4 (November 2004), 424-426.

Review of *Greek Science of the Hellenistic Era: A Sourcebook*, ed. Georgia L. Irby-Massie and Paul T. Keyser (Routledge, 2002) and Owen Powell, *Galen, ‘On the Properties of Foodstuffs’*. *Introduction, Translation, and Commentary* (Cambridge, 2003). *New England Classical Journal* 31.1 (February 2004), 51-55.

Commentary on C.D.C. Reeve, “The Role of TEXNH in Plato's Conception of Philosophy”, *Proceedings of the Boston area Colloquium in Ancient Philosophy*, ed. J. Cleary and G. Gurtler (2001), 223-227.

Review of *Text and Tradition: Studies in Ancient Medicine and its Transmission Presented to Jutta Kollesch*, ed. K. D. Fischer, D. Nickel, and P. Potter (Brill, 1998), Pp. xii, 340. *Classical World* 94.2 (2001), 203-204.

In Progress

“Health in the Ancient Medical Tradition”, contribution to a volume on “Health” in the Oxford Philosophical Concepts Series, ed. P. Adamson.

“Beyond Archimedes: The History and Future of the Arboreal Software” (online at <http://scholar.harvard.edu/schiefsky/publications>). Forthcoming in Festschrift for Peter Damerow (Berlin, Max Planck Institute for the History of Science).

Galen, *On the Medical Statements in Plato's Timaeus*. Translation and Commentary for *Galen On Human Nature* (Cambridge University Press), ed. by P. van der Eijk.

“Experience, Practice, and Theory in Hippocratic *Technê*” (forthcoming in proceedings of the conference “*Technê* in Ancient Philosophy,” Faculty of Philosophy, University of Oxford, August 2015).

Article on “Philosophy and Hippocratic Medicine,” for the Stanford Encyclopedia of Philosophy (completion mid-2017).

Pappus of Alexandria's Introduction to Mechanics: Book 8 of the Collectio, in Greek and Arabic (under contract with Springer Verlag).

"New Technologies for the Study of Euclid's *Elements*" (online at http://archimedes.fas.harvard.edu/euclid/euclid_paper.pdf).

RESEARCH ACTIVITIES

Principal Investigator, *The Archimedes Project: Realizing the Vision of an Open Digital Research Library for the History of Mechanics*, National Science Foundation award #0085960, 2001-2004, total amount \$448,444 (<http://archimedes.fas.harvard.edu>). See "The Ancient Mechanics and How They Thought", New York Times, April 1, 2008 (<http://www.nytimes.com/2008/04/01/science/01clas.html>).

Principal Investigator, *A Digital Corpus for Graeco-Arabic Studies*, grant from the Andrew W. Mellon Foundation, 2010-2013, total amount \$326,526. <http://www.graeco-arabic-studies.org>; see <http://news.harvard.edu/gazette/story/2011/03/digitizing-the-classics>.

Organizer of *Science, Technology, and Ethics: Ancient Perspectives and Modern Challenges*, 1-day workshop sponsored by the Onassis Foundation, Athens Dialogues initiative, Harvard University, November 2, 2012.

ADMINISTRATIVE EXPERIENCE

As Chair of the Department of the Classics at Harvard University, 2011-present, I ran three successful job searches that led to the appointment of assistant professors in Greek Literature, Latin Literature, and Byzantine Language and Literature. I have also served *ex officio* on the editorial board of *Harvard Studies in Classical Philology* throughout my term.

As a Senior Fellow of Harvard's Center for Hellenic Studies in Washington, D.C., I participate in the annual selection of Junior Fellows as well as attending biannual research seminars at the Center.

I also served as Director of Undergraduate Studies in Classics for five years between 2001 and 2009.

PAPERS AND PRESENTATIONS

"The Ancient Quarrel Between Medicine and Philosophy: A Matter of Health," invited lecture at the Russian Presidential Academy of National Economy and Public Administration, Moscow, March 2016.

“Experience, Practice, and Theory in Hippocratic *Technê*,” conference on “*Technê* in Ancient Philosophy”, Faculty of Philosophy, University of Oxford, August 2015.

“Arboreal: A Tool for the Extraction and Analysis of Semantic Networks,” session on “Digital and Computational History of Science: Tools, Platforms, Networks and Corpora” at the History of Science Society 2014 Annual Meeting, Chicago, November 2014.

“*Mens sana in corpore sano?* Concepts of Health in Ancient Medicine,” Ohio State University, Dept. of Classics, September 2013.

“Archimedes and Hellenistic Mechanics,” invited presentation at Lorentz Center workshop on the Antikythera Mechanism, University of Leiden, June 2013.

“Aristotle’s Common Sense Mechanics,” invited presentation at the Free University, Berlin in a series sponsored by the TOPOI Excellence Cluster, June 2013.

Introductory and Closing Remarks at *Science, Technology, and Ethics*, workshop organized with support of the Alexander Onassis Foundation, Athens Dialogues initiative, Harvard University, November 2, 2012.

“How the Ancient Mechanics Thought,” USC Department of Classics, September 2011.

“Epistemology and Method in Ptolemy: Some Remarks,” symposium in honor of Gisela Striker, Harvard University, May 2011.

“Criteria of Truth in Later Greek Science and Philosophy,” Chicago Area Colloquium in Ancient Philosophy, October 1-2, 2010.

“Criteria of Truth and the Assessment of Evidence in Later Greek Science,” invited presentation at conference *The Temper of Evidence*, California Institute of Technology, May 2009.

“Towards a Long-term History of the Knowledge of Doing,” invited presentation at workshop *The Knowledge of Doing*, Max Planck Institute for the History of Science, March 2009.

“Medicine and Philosophy in the Second Century CE: Galen on the Elements,” Indiana University, Department of History and Philosophy of Science, April 2008.

“New Opportunities and New Challenges: Critical Editions in the Digital Age,” American Philological Association Annual Meeting, Chicago, Illinois, January 2008.

Invited participant at Dahlem workshop on “The Globalization of Knowledge and its Consequences,” Freie Universität Berlin, November 2007.

- "Structures of Argument and Concepts of Force in the Aristotelian *Mechanical Problems*,"
History of Science Society Annual Meeting, November 2007.
- "Philosophy and Medicine in the Second Century CE: Galen and the Tripartite Soul,"
Department of Classics, Emory University, October 2007.
- "The challenges of Philology for the Digital Humanities," Harvard University Humanities
Center, October 2007.
- "The Origins of Ancient Atomism," Medieval Science Colloquium VII, Boston College, May
2007.
- "Elements and Qualities in Galen's Hippocratism," *The Materialistic Worldview from Late
Antiquity to Islam*, workshop held at the Institute for Advanced Study, Princeton, May
2007.
- "Galen on Teleology: Functional Explanation and Design," Department of Classics,
Princeton University, April 2007.
- "Galen on the Tripartite Soul," Classics Colloquium, University of Pennsylvania, April 2007.
- "Galen's Teleology and Functional Explanation," Institute for Advanced Study, History of
Science/Classics seminar, April 2007.
- "Galen on the Tripartite Soul," conference on *Plato and the Divided Soul*, Cornell University,
October 2006.
- Central European University, Budapest; invited guest, delivered four seminars on ancient
philosophy and medicine, July 17-24, 2006.
- "Ancient Mechanics and its Transformations," paper delivered at the Max Planck Institute
for the History of Science in Berlin, in the context of *Sonderforschungsbereich 644*,
"Transformationen der Antike", July 2006.
- "Galen on Teleology and the Limits of Mechanical Explanation," New York Academy of
Sciences, December 2005 (see <http://www.nyas.org/ebrief/miniEB.asp?ebriefID=516>)
- "Machines and Morals: The Uses of Technology in Ancient Medicine," Harvard University
Humanities Center, December 2005.
- "New Technologies for the Study of Euclid's *Elements*," presented at *Euclid and his Heritage: a
Clay Mathematics Institute Conference*, St. Catharine's College, Oxford University, October
7-8, 2005.
- "The Challenge of the Humanities to the World Wide Web: Perspectives from the

Archimedes Project" (with M. Hyman), Joint International Conference of the Association for Literary and Linguistic Computing and the Association for Computers and the Humanities, Göteborg University, June 11-16, 2004.

"Aspects of Technical Language in Greco-Roman Treatises on Artillery Construction," XVI. Internationales Kolloquium des Studienkreises „Geschichte der Sprachwissenschaft" (SGdS), Humboldt-Universität zu Berlin, March 5, 2004.

"Heron of Alexandria's Theoretical Reflection and Systematization of Ancient Mechanical Knowledge," European Science Foundation workshop *From Natural Philosophy to Science*, Tenerife, February 2004.

Comments on Heinrich von Staden, "Medicine and the Soul: Galen on the Physiology and Therapy of Anger," Princeton University Colloquium in Classical Philosophy, December 2003.

"Body and Machine in Greek Biology and Medicine," American Philological Association annual meeting, New Orleans, LA, January 2003.

"*On Ancient Medicine on the Nature of Human Beings*," XIth International Hippocrates Colloquium, Newcastle, August 2002.

"*Technê* and Method in Ancient Medicine and Mechanics," History of Science Society annual meeting, Denver, November 2001.

Comments on C.D.C. Reeve, "Plato's Construction of Philosophy," Boston Area Colloquium in Ancient Philosophy, Holy Cross, April 2000.

"Theory and Practice in Hippocratic Medicine," Institut für Geschichte der Medizin, Freie-Universität Berlin, October 1999.

"The Method of Good Old Medicine," Cambridge University, B Club, Faculty of Classics, November 1998.

DISSERTATION SUPERVISION

M. Romani-Mistretta, *Invention and Discovery in Greek and Roman Thought* (in progress)

K. van Schaik, *Medical Decision Making in Graeco-Roman Antiquity* (M.D./Ph.D. in Classics, in progress)

D. Camden, *Medicine and Cosmology in Classical Greece: First Principles in Early Greek Medicine*, Ph. D. in Classical Philology, 2016

C. Connelly, *Contesting the Greek Past in Ninth-Century Baghdad*, Ph. D. in Classical Philology, 2016

C. Coiro Bubb, *Galen's Anatomy: Audience and Context*, Ph.D. in Classical Philology, 2014

D. Bertoni, *The Cultivation and Conceptualization of Exotic Plants in the Greek and Roman World*, Ph. D. in Classical Philology, 2014 (joint advisor with Richard Thomas)

V. Sergueenkova, *Natural History in Herodotus' Histories*, Ph.D. in Classical Philology, 2009

TEACHING

Partial List of Courses Taught at Harvard University, 2000-2016:

Graduate Seminars

History of Science 206r: Seminar in Ancient Science

“Science, Mathematics, and Explanation: What Does it Mean to Explain Something?” (with Barry Mazur, Fall 2016)

“It’s Only a Hypothesis” (with Barry Mazur, Fall 2014)

Geometry and Mechanics (with Barry Mazur, Spring 2012)

Archimedes and the Archimedean Tradition (with John Murdoch and Barry Mazur, Spring 2009)

Classical Philology 217: Aristotle’s *Poetics* in Greek and Arabic (Fall 2013)

Classical Philology 291: Epicureanism (Fall 2011)

Classical Philology 296, Greek Medical Literature (Spring 2006, Fall 2007)

Classical Philology 268, Aristotle and His Predecessors: *Physics* Book I (Spring 2003)

Classical Philology 265, *Technê* in Greek Culture (Spring 2001)

Greek and Latin Reading Courses

Greek 110r, Plato: *Gorgias* (Spring 2013); *Protagoras* (Fall 2000 and Spring 2011); *Republic* (Fall 2005 and 2007); *Euthydemus* and *Hippias Major* (Fall 2004); *Phaedrus* (Spring 2000)

Latin 107, Lucretius (Spring 2001, Spring 2003, Spring 2006)

Undergraduate Courses in English Translation

Classical Studies 112, Regional Study: Sicily (with K. Coleman, Spring 2016; advanced undergraduate seminar for Classics majors, featuring a trip to Sicily during Spring Break)

Classical Studies 165, Medicine in the Greco-Roman World (Spring 2000, Fall 2000, Spring 2009, Spring 2012, Fall 2012, Spring 2014, Fall 2015)

Philosophy 7, Introduction to Ancient Philosophy (Fall 2004)

Classical Studies 100, Ancient Cosmology and Mechanics (Fall 2001)

Freshman Seminars

The History and Practice of Ancient Greek Astronomy (taught 3 times between 2008 and 2012)