

U C L A

HISTORY 179 B

HISTORY OF MEDICINE:

THE FOUNDATIONS OF MODERN MEDICINE

Spring Quarter 2006

Instructor: Dora B. Weiner, Ph.D., Professor of the Medical Humanities and Professor of History

Time: M -W 2:00-3:15

Place: Dodd 146

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An exploration of the cultural, scientific and social contexts that shaped modern thought and practice concerning health, illness and disease, from the Renaissance to the Romantic era. Topics range from the establishment of anatomy with Vesalius, of physiology with Harvey, and of modern clinical medicine with Sydenham, to the analysis of epidemic diseases such as scurvy and smallpox, the rise of the modern hospital and of the anatomo-clinical method at the Paris School, attention to mental illness with Pinel, and issues of child welfare and public health.

The weekly themes will be presented by the instructor in historical perspective, usually on Mondays, and an outline of the lectures will be posted on the Web. Class meetings on Wednesdays will usually focus on the analysis and discussion of famous primary source materials. **STUDENTS SHOULD BRING THEIR SOURCEBOOK TO CLASS** when primary texts are to be studied so that they can take an active part in the discussion.

The primary SOURCES are posted on the Web and they are available in *A SOURCEBOOK OF PRIMARY TEXTS* that students can purchase at the Bookstore.

BACKGROUND READINGS will be found in three required texts. They are available in the bookstore and on one-day Reserve in Powell Library:

Allen G. Debus, *Man and Nature in the Renaissance*, Cambridge, 1978

Robert P. Hudson, *Disease and its Control*, Praeger, 1987

D. B. Weiner, *The Citizen-Patient in Revolutionary and Imperial Paris*, Hopkins, 2002

Students' Obligations in this Course:

Students will be graded in class on their participation in discussion of the documents in the *Sourcebook* and in two tests on their mastery of the contents of the lectures and readings. There will be a review test on May 3 (30 % of the final grade) and a final exam on June 13 (40% of final grade). In addition, a book report (5 pp maximum, with footnotes and bibliography), dealing with any book on the lists of "Suggested Readings" on this syllabus, will be due May 15.

COURSE OUTLINE

This outline lists the WEEKLY TOPICS.

The **primary source texts** to be discussed will be found on the WEB and in your **SOURCEBOOK**.

The **background readings** will be found in the **three REQUIRED TEXTS** to be bought at the Bookstore or found on Reserve in Powell Library

Week I April 3, 5

**THE RISE OF THE HEALING PROFESSIONS:
PHYSICIANS, SURGEONS, PHARMACISTS; HOSPITAL NURSES AND
PATIENTS**

[Lecture notes](#)

SOURCE: Jacques Tenon, [Memoirs on Paris Hospitals](#), "Preface"

BACKGROUND READING: Weiner, ch. 2, "The Grim Reality of the Public Hospital," ch. 4, "The Caring Professions"

Week II April 10, 12

RENAISSANCE ANATOMY AND SURGERY: ANDREAS VESALIUS

[Lecture notes](#)

SOURCE: Balthasar Heseler, [Andreas Vesalius' First Public Anatomy at Bologna\(1540\)](#)

BACKGROUND READING: Debus, ch. 1, "Tradition and Reform," Hudson, ch. 5, "The Anatomical Idea"

Further suggested reading

A. Castiglioni, *The Renaissance of Medicine in Italy* (Baltimore, MD: The Johns Hopkins University Press, 1979)

H. Cushing, *A Bio-Bibliography of Vesalius* (Hamden, CT: Argon, 1962)

J. F. Fulton, *Vesalius Four Centuries Later: Medicine in the 18th Century* (Lawrence, KS: University of Kansas Press, 1950)

V. Nutton, "Humanist Surgery," in A. Wear, R.K. French, I. M. Lonie, eds., *The Medical Renaissance of the 16th Century* (Cambridge: Cambridge University Press, 1985), 75-99

C. D. O'Malley, *Andreas Vesalius of Brussels, 1514-1564* (Berkeley: University of

- California Press, 1964)
- A. Paré, *The Apologie and Treatise* (New York: Dover, 1968)
- R. Palmer, *The Studio of Padua and its Graduates in the 16th Century* (Padua: LINT, 1983)
- K. Park, *Doctors and Medicine in Early Renaissance Florence* (Princeton, NJ: Princeton University Press, 1985)
- G. Sarton, *The Appreciation of Ancient and Medieval Science during the Renaissance* (Philadelphia, PA: University of Pennsylvania Press, 1955)
- J. de C. M. Saunders and C. D. O'Malley, eds., *Andreas Vesalius: The Illustrations from his Works*, (New York: World Publishing Company, 1950)
- J. Sawday, *The Body Emblazoned: Dissection and the Human Body in Renaissance Culture* (London: Routledge, 1995)
- C. E. Singer, *From Magic to Science* (New York: Dover, 1958)
- C. E. Singer, *A Prelude to Modern Science: Being a Discussion of the History, Sources, and Circumstances of "Tabula anatomica sex" of Vesalius* (Cambridge: The Wellcome Institute, 1946)
- N. Siraisi and Pearl Kibre, eds., *Science, Medicine and the University, 1200-1500: Essays in Honor of Pearl Kibre* (St. Louis, MO: University of St. Louis Press, 1976)

Week III April 17, 20

THE ROOTS OF MODERN PHYSIOLOGY: WILLIAM HARVEY

Lecture notes [Part A](#); [Part B](#)

SOURCE: William Harvey, [*On the Motion of the Heart and Blood*](#)

BACKGROUND: Hudson, ch. 7, "The Concept of Experimental Medicine," Debus, ch. 4, "The Study of Man"

Further suggested reading:

- G. Basalla, "William Harvey and the heart as a pump," *Bulletin of the History of Medicine*, 1962, 36: 467-470
- J. J. Bylebyl, ed., *William Harvey and his Age* (Baltimore, MD: The Johns Hopkins University Press, 1979)
- , "The Growth of Harvey's De motu cordis," *Bulletin of the History of Medicine*, 1973, 47: 427-470
- Z. Cope, *The Royal College of Surgeons: A History* (London: Bloud, 1959)
- A. B. Davis, *Circulation Physiology and Medical Chemistry in England, 1650-1680* (Lawrence, SK: Coronado Press, 1973)
- T. R. Forbes, *Surgeons at the Bailey: English Forensic Medicine to 1878* (New Haven: Yale University Press, 1989)
- R. G. Frank, Jr., *Harvey and the Oxford Physiologists: A Study of Scientific Ideas* (Berkeley: Univ. of California Press, 1980)
- F. Guerra, "Harvey and the circulation of the blood in America during the colonial period," *Bulletin of the History of Medicine*, 1959, 33: 212-229
- W. Harvey, *Anatomical Studies on the Motion of the Heart and Blood*, C. D. Leake, tr.

- (Springfield, IL: C. C. Thomas, 1970)
- F. D. Hoeniger, *Medicine and Shakespeare in the English Renaissance* (Newark, NJ: University of Delaware Press, 1992)
- J. T. Hughes, *Thomas Willis (1621-1675): His Life and Work* London: Royal Society of Medicine, 1991)
- J. M. Lopez-Piñero, "Harvey's doctrine of the circulation of the blood in 17th-century Spain," *Journal of the History of Medicine*, 1973, 28: 230-242
- V. Nutton, *From Democedes to Harvey: Studies in the History of Medicine from the Greeks to Harvey* (London: Variorum, 1988)

Week IV April 24, 26

**OBSERVATION in MEDICINE: THOMAS SYDENHAM:
DISEASES, MEASUREMENT, EXPERIMENT**

[Lecture notes](#)

SOURCES: [Thomas Sydenham](#): "On the Measles," "On St. Vitus Dance," "On Scarlet Fever," "On Bastard Peripneumonia," "On Peruvian Bark," "On Gout,"

BACKGROUND READING: Hudson, ch. 1, "The Birth and Death of Diseases," ch. 3, "Disease as Supernatural," ch. 4, "Disease as Natural and Generalized," ch. 11, "Health, Disease and Illness"

Further suggested reading:

- D. G. Bates, *Thomas Sydenham: The Development of His Thought 1666-1676*
----- "Sydenham and the medical meaning of 'method'," *Bulletin of the History of Medicine*, 1977, 51: 324-338
- W. F. Bynum, "Health, Disease, and Medical Care," in G. S. Rousseau and R. Porter, eds., *The Ferment of Knowledge* (Cambridge: Cambridge University Press, 1980), 211-253
- Kenneth Dewhurst, *Dr. Thomas Sydenham (1624-1689): His life and original writings* (Berkeley, CA: University of California Press, 1966)
- Grell, O.P., A. Cunningham and Jon Arrizabalaga, eds., *Health Care and Poor Relief in Counter-Reformation Europe* (London: Routledge, 1999)
- Keel, O., The Politics of Health and the Institutionalization of Clinical Practices in Europe in the Second Half of the Eighteenth Century, In W. F. Bynum and R. Porter, eds., *William Hunter and the Eighteenth-Century Medical Worlds* (New York: Cambridge University Press, 1985), 207-256
- Howard, J., *An Account of the Principal Lazarettos of Europe* (Warrington: Eyres, 1789)
- Lester S. King, "Empiricism and rationalism in the work of Thomas Sydenham," *Bulletin of the History of Medicine*, 1970, 44: 1-11
- F. N. L. Poynter, "Sydenham's influence abroad," *Medical History*, 1973, 17: 223-234
- D. Riesman, *Thomas Sydenham, clinician* (New York: Hoeber, 1926)
- G. Rosen, "Medical Care and Social Policy in 17th Century England," *New York Academy of Medicine Bulletin*, 1953, 29: 420-437
- I. Veith, "On hysterical and hypochondriacal afflictions," *Bulletin of the History of Medicine*, 1956, 30: 233-240

Week VII May 15, 17

**CONTAGIOUS and COMMUNICABLE DISEASES
EPIDEMICS and PUBLIC RESPONSE**

Lecture notes

SOURCES: [Lady Mary Wortley Montagu, "Letters"](#)
[Edward Jenner on "Smallpox"](#)
[Voltaire, "On Inoculation" in *Philosophical Letters*](#)

BACKGROUND READING: Weiner, ch. 10 "The Citizen-Patient and the Environment"; Hudson, ch. 8 "Specific Causation," ch. 9 "Specific Prevention"

Further suggested reading:

- Ackerknecht, E.H., *Medicine at the Paris Hospital 1794-1848* (Baltimore: The Johns Hopkins University Press, 1967)
- Bonner, Th. N., *Becoming a Physician: Medical Education in Great Britain, France, Germany and the United States, 1750-1945* (New York: Oxford University Press, 1995)
- Cullen, W., *First Lines of the Practice of Physic*, 4 vols. (London: Cadell, 1784)
- Bynum, W. F., Health, "Disease and Medical Care," in R. Porter and G. S. Rousseau, eds., *The Ferment of Knowledge* (New York: Cambridge University Press, 1980), 211-253
- William Coleman, *Death is a Social Disease* (Madison, WI: University of Wisconsin Press, 1982)
- Goldin, G., *Work of Mercy: A Picture History of Hospitals* (Ont: Boston Mills Press, 1994)
- Greenbaum, L.S., "A Measure of Civilization: The Hospital Thought of Jacques Tenon on the Eve of the French Revolution," *Bulletin of the History of Medicine*, 1975, 49: 43-56
- Jewson, N. J. "The Disappearance of the Sick-Man from Medical Cosmology," *Sociology*, 1976, 10: 225-244
- S. S. Kottek, "The Hospital in Jewish History," *Review of Infectious Diseases*, 1981, 3: 636-639
- Laberge, Ann F., *Mission and Method: The Early Nineteenth-Century Public Health Movement* (Cambridge University Press, 1992)
- T. S. Miller, *The Birth of the Hospital in the Byzantine Empire* (Baltimore MD: The Johns Hopkins University Press, 1985)
- Mitchell, Harvey, "The Political Economy of Health in France, 1780-1830: The Debate over Hospital and Home Care and Images of the Working Class Family," in M. S. Staum and D. E. Larson, eds. *Doctors, Patients, and Society: Authority in Medical Care* (Waterloo, Ont.: Wilfrid Laurier University Press, 1981), 71-104
- Murphy, T.D., "The French Medical Profession's Perception of its Social Function between 1776 and 1830," *Medical History*, 1979, 23: 259-278

Week VIII May 22, 24

**THE RISE OF ANATOMO-PATHOLOGY:
THE "PARIS SCHOOL"**

[Lecture notes](#)

SOURCES: [Leopold Auenbrugger, "On the Percussion of the Chest,"](#)
[R.T.H. Laennec, "On Mediate Auscultation,"](#)

BACKGROUND READINGS: Hudson, ch. 6 "Disease as Localized"; Weiner, ch. 6, "The Inpatient: The Claims of Medical Science"

Further suggested reading:

Faure, O., "The Social History of Health in France: A Survey of Recent Developments," *Social History of Medicine*, 1990, 3: 437-451

Forrest, A., *The French Revolution and the Poor* (Oxford: Blackwell, 1981)

Foucault, M., *The Birth of the Clinic: An Archeology of Medical Perception* (New York: Random House, 1975)

Gelfand, T., *Professionalizing Modern Medicine: Paris Surgeons and Medical Science and Institutions in the Eighteenth Century* (Westport, CT: Greenwood Press, 1980)

Hahn, R., *The Anatomy of a Scientific Institution: The Paris Academy of Sciences, 1666-1803* (Berkeley, CA: UC Press, 1971)

Haigh, E., *Xavier Bichat and the Medical Theory of the Eighteenth Century* (London: The Wellcome Institute, 1984)

Colin Jones, "Picking Up the Pieces: The Politics and the Personnel of Social Welfare," in G. Lewis and C. Lucas, eds., *Beyond the Terror: Essays in French Social and Regional History, 1794-1815* (Cambridge University Press, 1983), 53-91

Lesch, J., *Science and Medicine in France: The Emergence of Experimental Physiology, 1790-1855* (Cambridge, MA: Harvard University Press, 1984)

O'Neal, J.C., "Auenbrugger, Corvisart, and the Perception of Disease," *Eighteenth-Century Studies*, 1998, 31: 473-489

Pinel, Philippe, *The Clinical Training of Doctors* D.B. Weiner, tr. (Baltimore, MD: The Johns Hopkins University Press, 1980)

Rosen, G., "The Philosophy of Ideology and the Emergence of Modern Medicine in France," *Bulletin of the History of Medicine*, 1946, 20: 328-339

Temkin, O., "The Role of Surgery in the Rise of Modern Medical Thought," *Bulletin of the History of Medicine*, 1951, 25: 248_259

Pelling, M., *The Common Lot: Sickness, Medical Occupations and the Poor In Early Modern England* (London: Longman, 1998)

Rosen, George, *A History of Public Health* (New York: MD Publication, 1958)

Rosenberg, Charles E. and Janet Golden, *Framing Disease: Studies in Cultural History* (Rutgers University Press, 1992)

Thompson, J.D. and G. Goldin, *The Hospital: A Social and Architectural History* (New Haven, CT: Yale University Press, 1975)

Monday, May 29: Memorial Day Holliday

Week IX May 31

THE BIRTH OF PSYCHIATRY in the FRENCH REVOLUTION

[Lecture notes](#)

SOURCE: [Philippe Pinel, "A Memoir on Madness"](#)

BACKGROUND READINGS: Weiner, ch. 9 "Humane Treatment of the Mental Patient"

Further suggested Reading:

- Crichton, A., *An Inquiry into the Nature and Origins of Mental Derangement, Comprehending a Concise System of Physiology and Pathology of the Human Mind, and History of the Passions and Their Effects* (London: Caddell & Davies, 1798)
- Digby, A., *Madness, Morality and Medicine: A Study of the York Retreat, 1796-1914* (New York: Cambridge University Press, 1985)
- Doerner, K., *Madmen and the Bourgeoisie: A Social History of Insanity* (Oxford: Basil Blackwell, 1981)
- Dowbiggin, I., *Inheriting Madness: Professionalization and Psychiatric Knowledge in Nineteenth-Century France* (Berkeley: University of California Press, 1991)
- Ellenberger, H., *The Discovery of the Unconscious: The History and Evolution of Dynamic Psychiatry* (New York: Basic Books, 1970)
- Figlio, K., "Theories of Perception and the Physiology of Mind in the late Eighteenth Century," *History of Science*, 1975, 12: 177-212
- Foucault, M., *Madness and Civilization: A History of Insanity in the Age of Reason* (New York: Random House, 1973)
- Goldstein, J., *Console and Classify: The French Psychiatric Profession in the Nineteenth Century* (Cambridge University press, 1987)
- Jewson, N.J., "The Disappearance of the Sick-Man from Medical Cosmology," *Sociology*, 1976, 10: 225-244
- Lopez-Piñero, J.M., *The Historical Origins of the Concept of Neurosis* (Cambridge University Press, 1983)
- Micale, S. and R. Porter, eds., *Discovering the History of Psychiatry* (New York: Oxford University Press, 1994)
- Mora, G., "The History of Psychiatry: A Cultural and Bibliographical Survey," *Psychoanalytic Review*, 1965, 52: 154-184
- Rothman, D., *The Discovery of the Asylum: Social Order and Disorder in the New Republic* (Boston, MA: Little Brown, 1990)
- Rush, B., *Medical Inquiries and Observations Upon the Diseases of the Mind* (Philadelphia, PA: Kinber & Richardson, 1812)
- Weiner, D.B., "Mind and Body in the Clinic: Philippe Pinel, Alexander Crichton, Dominique Esquirol and the Birth of Psychiatry," in G. S. Rousseau, ed., *The Languages of Psyche: Mind and Body in Enlightenment Thought* (University of California Press, 1990), 331-402

Week X June 5, 7

THE HANDICAPPED CHILD: DEAF, BLIND, OR RETARDED

Lecture notes

SOURCES: [Jean Massieu, "Autobiography"](#)
[Abbé Roch Ambroise Cucurron Sicard, *A Course of Instruction for a Congenitally Deaf Person*, "Preamble"](#)
[Jean Marc Gaspard Itard, "First Developments of the Young Savage," in *The Wild Boy of Aveyron*](#)

BACKGROUND READING: Weiner, ch. 8 "The Schooling and Health of the Deaf and Blind"

Further suggested reading:

- Greenbaum, L.S., "Nurses and Doctors in Conflict: Piety and Medicine in the Paris Hôtel-Dieu on the Eve of the French Revolution," *Clio Medica*, 1978, 13: 247-267
- , "Science, Medicine, Religion: Three Views of Health Care in France on the Eve of the French Revolution," *Studies in Eighteenth-Century Culture*, 1981, 10: 373-392
- Grell, O. P., Cunningham, A., Jütte, R., eds., *Health Care and Poor Relief in 18th and 19th Century Northern Europe* (Ashgate, 2002)
- Jones, C., *The Charitable Imperative: Hospitals and Nursing in Ancien Regime and Revolutionary France* (London: Routledge, 1989)
- Lane, H. *The Wild Boy of Aveyron* (Cambridge, MA: Harvard UP, 1976)
- Leonard, J., "Women, Religion, and Medicine," in *Medicine and Society in France, Selections from the Annales*, R. Forster and O. Ranum, eds. (Baltimore: The Johns Hopkins University Press, 1980), 24-47
- Moravia, S., "The Enlightenment and the Sciences of Man," *History of Science*, 1980, 18: 246-268
- Nelson, Sioban, *Say Little, Do Much: Nursing, Nuns, and Hospitals in the 19th Century* (Philadelphia: U PA Press, 2001)
- Risse, G. B., *Hospital Life in Enlightenment Scotland: Care and Teaching at the Royal Infirmary of Edinburgh* (Cambridge UP, 1986)
- *Mending Bodies, Saving Souls: A History of Hospitals* (Oxford UP, 1999)
- Sand, René, *The Advance to Social Medicine* (New York: Staples, 1952)
- Shattuck, R., *The Forbidden Experiment: The Story of the Wild Boy of Aveyron* (New York: Farrar Straus, Giroux, 1980)
- Shryock, Richard H., *A History of Nursing: The Cultural Factors Involved* (New York: Saunders, 1959)
- Weiner, D. B., "The French Revolution, Napoleon, and the Nursing Profession," *Bulletin of the History of Medicine* (1972, 46: 274_305
- Weiner, D. B. "The Blind Man and the French Revolution," *Ibid.*, 1974, 60-89

FINAL EXAM Tuesday, June 13, 11:30- 2:30

This is a list of suggestions about where to start your research:

The best place to go is the History and Special Collections Division of the Biomedical Library (on the 9th tier). The books are there, in the open stacks, the rare books in the "Cage" or even in the vault. You will find current issues of major journals and excellent advice from the librarians: Katharine Donahue, Teresa Johnson and Russell Johnson.

SURVEY HISTORIES AND TEXTBOOKS

- E.H. Ackerknecht, *A Short History of Medicine* (Baltimore, MD: The Johns Hopkins University Press, 1968)
- F.F. Cartwright, *A Social History of Medicine* (London: Longmans, 1977)
- W.F. Bynum, R. Porter, eds., *Companion Encyclopedia of the History of Medicine* (London: Routledge, 1993)
- A. Castiglioni, *A History of Medicine*, tr. and ed. by E. B. Krumbhaar, (New York: A. A. Knopf, 1941)
- L. Conrad, M. Neve, V. Nutton, R. Porter, A. Wear, *The Western Medical Tradition: 800 BC to AD 1800* (Cambridge University Press, 1995)
- N. Dain, *A History of Medicine: From Prehistory to the Year 2020* (London and New York: Simon & Schuster, 1992)
- F. H. Garrison, *An Introduction to the History of Medicine* (Philadelphia and London: Saunders, 1985)
- D. Guthrie, *A History of Medicine* (London: Nelson, 1960)
- R. P. Hudson, *Disease and Its Control: The Shaping of Modern Thought* (Westport, CT: Greenwood Press, 1983)
- I. Loudon, ed., *Western Medicine* (Oxford: Oxford University Press, 1997)
- R. Porter, *The Greatest Benefit to Mankind: A Medical History of Humanity from Antiquity to the Present* (New York: Harper Collins, 1997)
- R. Porter, ed., *The Cambridge Illustrated History of Medicine* (Cambridge UPress, 1996)
- R. H. Shryock, *The Development of Modern Medicine: An Interpretation of the Social and Scientific Factors* (University of Wisconsin Press, 1980)
- H. Sigerist, *Civilization and Disease* (University of Chicago, Press, 1962) (University Press, 1962)
- J. Starobinski, *A History of Medicine* (London: Prentice Hall, 1964)
- A. Wear ed., *Medicine in Society: Historical Essays* Cambridge U.Press, 1992
- Major journals to be consulted
- Bulletin of the History of Medicine*
- Journal of the History of Medicine and Allied Sciences*
- Medical History*
- Isis*
- Clio Medica*
- History of Psychiatry*
- Journal of Interdisciplinary History*
- Journal of the History of Ideas*
- American Journal of Psychiatry*
- Journal of the History of the Behavioral Sciences*