

**Graduate Reading Seminar in the
History of Science and Medicine in Modern China
Marta Hanson, Institute for the History of Medicine
Johns Hopkins School of Medicine**

WEEK 1, April 5 FIRST MEETING (We will all read the articles listed below)

WEEK 2, April 12 HISTORIOGRAPHY

Needham. 1964. "Science and China's Influence on the World."

Sivin. 1982. "Why the Scientific Revolution Did Not Take Place in China-or Didn't It?"

Cohen. 1994. "Why the Scientific Revolution Eluded China" & "The Harvest . . ."

Hart. 1999. "Beyond Science and Civilization: A Post-Needham Critique."

Low. 2000. "Beyond Joseph Needham: Science, Technology, and Medicine in East . . ."

WEEK 3, April 19, JESUITS

Needham. 1958. Chinese Astronomy and the Jesuit Mission: An Encounter of Cultures.

Sivin. 1973. "Copernicus in China."

Jami. 1994. "Learning Mathematical Science During the Early and Mid-Ch'ing."

Chu Pingyi. 1997. "Scientific Dispute in the Imperial Court: The 1664 Calendar Case."

Hart. 1999b. "Translating Worlds: Incommensurability and Problems of Existence . . ."

WEEK 4, April 26, SCIENCE & MEDICINE IN THE QING

Peterson. 1975. "Fang I-chih: Western Learning and the "Investigation of Things.""

Furth. 1986. "Blood, Body, and Gender: Medical Images of the Female Condition . . ."

Cullen. 1993. "Patients and Healers in Late Imperial China: Evidence from the . . ."

Widmer. 1996. "The Huanduzhai of Hangzhou and Suzhou . . ."

WEEK 5, May 3, SCIENCE IN REPUBLICAN CHINA

Wang Hui. 1995. "The Fate of 'Mr. Science' in China."

Wright. 1997. "The Great Desideratum."

Xu Xiaoqun. 1997. "'National Essence' vs. 'Science': Chinese Native Physicians. . ."

WEEK 6, May 10, WESTERN MEDICINE & COLONIALISM

Andrews. 1997. "Tuberculosis and the Assimilation of Germ Theory in China."

Levine. 1999. "Modernity, Medicine, and Colonialism."

Heinrich. 1999. "Handmaids to the Gospel."

WEEK 7, May 17, PSYCHIATRY, EUGENICS, & CULTURAL PATHOLOGIES

Evans. 1995. "Defining Difference."

Shapiro. 1998. "The Puzzle of Spermatorrhea."

Chen. 1999. "Translating Psychiatry and Mental Health."

Sang. 1999. "Translating Homosexuality."

WEEK 8, May 24, SCIENCE IN MAOIST CHINA

Li Peishan. 1988. "Genetics in China"

Schneider. 1989. "Learning from Russia."

Yao Shuping. 1989. "Chinese Intellectuals and Science."

WEEK 9, May 31, SCIENCE & MEDICINE IN POST-MAO CHINA

Farquhar. 1987. "Problems of Knowledge in Contemporary China."

Scheid. 1994. "Home and Away: In Search of Chinese Medicine."

Chen. 1995. "Urban Spaces and Experiences of Qigong."

Daubin. Unpublished draft. "Mathematics and Ideology."

WEEK 10, June 7, ENVIRONMENT, ECONOMY, & SOCIETY
Selections from Elvin and the *China Quarterly*. 1998.

NOTE: In order to emphasize the historiography of research on Science and Medicine in China, this reading list has been organized chronologically according to when the book or article was published, and then for each author, in the order of their publication record within each theme.

WEEK 1, April 5 FIRST MEETING

WEEK 2, April 12 HISTORIOGRAPHY

Needham, Joseph. 1954. *Science and Civilization in China, Vol. I: Introductory Orientations*. With research assistance of Wang Ling. Cambridge, England: Cambridge University Press.

_____. 1956. *Science and Civilization in China, Vol. II: History of Scientific Thought*. With research assistance of Wang Ling. Cambridge, England: Cambridge University Press.

_____. 1964. "Science and China's Influence on the World," 234-308. In Raymond Dawson, ed., *The Legacy of China*. Boston: Cheng & Tsui Co., 1990.

_____. 1969. *The Grand Titration: Science and Society in East and West*. London: George Allen & Unwin Ltd., 1969.

Elvin, Mark. 1973. *The Pattern of the Chinese Past*. Stanford: Stanford University Press.

Sivin, Nathan. 1982. "Why the Scientific Revolution Did Not Take Place in China_or Didn't It?" *Chinese Science* 5: 45-66.

_____. 1985. "Max Weber, Joseph Needham, Benjamin Nelson: The question of Chinese science." In Eugene Victor Walter, ed., *Civilizations East and West: A Memorial Volume for Benjamin Nelson*. Atlantic Highlands, NJ: Humanities Press.

_____. 1988. "Science and Medicine in Imperial China__The State of the Field." *JAS* 47:41-90.

_____. 1990. "Science and Medicine in Chinese History," 164-196. In Paul S. Ropp, ed., *Heritage of China: Contemporary Perspectives on Chinese Civilization*. Berkeley: University of California Press.

Bodde, Derk. 1991. *Chinese Thought, Society, and Science: The Intellectual and Social Background of Science and Technology in Pre-modern China*. Honolulu: University of Hawaii Press.

Dorn, Harold. 1991. *The Geography of Science*. Baltimore: Johns Hopkins Press.

Huff, Toby E. 1993. *The Rise of Early Modern Science: Islam, China, and the West*. Cambridge, England: Cambridge University Press.

- Cohen, Floris H. 1994. "Joseph Needham as a Pioneer in Cross-Cultural History of Science," and "Contributions of Non-Western Science to the Scientific Revolution," 418-438, in *The Scientific Revolution: A Historiographical Inquiry*. Chicago: University of Chicago Press.
- _____. 1994. "Why the Scientific Revolution Eluded China," and "The Harvest of the Comparative Route," 439-488, in *The Scientific Revolution*.
- Brook, Timothy. 1996. "The Sinology of Joseph Needham." *Modern China* 22.3: 340-8
- Blue, Gregory. 1997. "Joseph Needham__A Publication History." *Chinese Science* 14:90-132.
- Richards, Peter. 1997. "Builder of Bridges." *Cambridge Alumni Magazine* (Easter 1997): 15-18.
- Jami, Catherine; Lowell Skar; Hashimoto, Keizo. 1995. *East Asian Science: Tradition and Beyond*. Osaka, Japan: Kansai University.
- Hart, Roger. 1999a. "Beyond Science and Civilization: A Post-Needham Critique." *EASTM* 16: 88-114.
- _____. 1999b. "On the Problem of Chinese Science." In Mario Biagoli, ed., *The Science Studies Reader*. New York: Routledge.
- Kim, Yung Sik; Bray, Francesca. 1999. *Current Perspectives in the History of Science in East Asia*. Seoul: Seoul National University Press.
- Low, Morris, ed. 2000. *Beyond Joseph Needham: Science, Technology, and Medicine in East and Southeast Asia*. Osiris series, volume 13. University of Chicago Press.
- WEEK 3, April 19 JESUITS IN CHINA**
- Needham, Joseph. 1958. *Chinese Astronomy and the Jesuit Mission: An Encounter of Cultures*. London: The China Society. Pp. 1-20.
- Wong, George C. 1963. "China's opposition to Western science during the late Ming and early Ch'ing." *Isis* 54: 29-49.
- Spence, Jonathan. 1969. *To Change China: Western Advisers in China, 1620-1960*. Penguin Books, 1980. See ch. 1 "Schall and Verbiest: To God Through the Stars," 3-33.
- Sivin, Nathan. 1973. "Copernicus in China," 1-53, in his *Science in Ancient China: Researches and reflections*. England/Vermont: Variorum, Ashgate Publishing, 1995.

- Gernet, Jacques. 1982. *China and the Christian Impact: A Conflict of Cultures*. Translated by Janet Lloyd. England: Cambridge University Press, 1985.
- _____. 1993-4. "Space and Time: Science and Religion in the Encounter Between China and Europe." *Chinese Science* 11: 93-102.
- Spence, Jonathan. 1984. *The Memory Palace of Matteo Ricci*. New York: Viking Penguin.
- _____. "Spence on Needham." *Review Symposia* *ISIS* 75.1:180-189.
- Huang Yi-long. 1991. "Court Divination and Christianity in the K'ang-Hsi Era," *Chinese Science* 10: 1-20.
- _____. 1996. "The Evolution and Decline of the Ancient Chinese Practice of Watching for the Ethers" *Chinese Science* 13: 82-106.
- Martzloff, Jean-Claude. 1993-4. "Space and Time in Chinese Texts of Astronomy and of Mathematical Astronomy in the Seventeenth and Eighteenth Centuries." *Chinese Science* 11: 66-92.
- Jami, Catherine. 1994. "Learning Mathematical Science During the Early and Mid-Ch'ing." In Benjamin A. Elman and Alexander Woodside, eds., *Society and Education in Late Imperial China, 1600-1900*. Berkeley: University of California Press.
- Chu Pingyi. 1994. "Technical Knowledge, Cultural Practices, and Social Boundaries: An-nan Scholars and the Recasting of Jesuit Astronomy, 1600-1800." Ph.D. Dissertation, UCLA.
- Jami, Catherine. 1995. "Western Devices for Measuring Time and Space: Clocks and Euclidian Geometry in Late Ming and Ch'ing China." In Chun-chieh Huang and Erik Zürcher, in *Time and Space in Chinese Culture, 169-200*. New York: E.J. Brill.
- Hart, Roger. 1997. "Proof, Propaganda, and Patronage: A Cultural History of the Dissemination of Western Studies in Seventeenth-Century China." Ph.D. Dissertation, UCLA.
- Chu Pingyi. 1997. "Scientific Dispute in the Imperial Court: The 1664 Calendar Case," *Chinese Science* 14: 7-34.
- Elvin, Mark. 1998. "Who Was Responsible for the Weather? Moral Meteorology in Late Imperial China." *Osiris* 13: 213-237.
- Hsia, Frances. 1998. "French Jesuits and the mission to China: Science, religion, history." Ph.D., Dissertation, University of Chicago.

Hart, Robert. 1999c. "Translating the Untranslatable: From Copula to Incommensurable Worlds," 45-73. In Lydia Liu, ed., *Tokens of Exchange: The Problem of Translation in Global Circulations*. Durham: Duke University Press.

_____. 1999d. "Translating Worlds: Incommensurability and Problems of Existence in Seventeenth-Century China." *Positions: East Asia Cultures Critique* 7.1: 95-128.

Zhang, Qiong. 1999. "Demystifying Qi: The Politics of Cultural Translation and Interpretation in the Early Jesuit Mission to China, 74-106. In Lydia Liu, ed., *Tokens of Exchange: The Problem of Translation in Global Circulations*. Durham: Duke University Press.

Martzloff, Jean-Claude. 1999. *A History of Chinese Mathematics*. Originally published in French as *Histoire des mathématiques chinoises* (1987).

Waley-Cohen, Joanna. 1999. *The Sextants of Beijing: Global Currents in Chinese History*. New York/London: W.W. Norton & Company. See ch. 2, "China and Catholicism in the Sixteenth Through Eighteenth Centuries," 55-91.

Wardy, Robert. 2000. *Aristotle in China: Language, Categories and Translation*. England: Cambridge University Press.

WEEK 4, April 26 SCIENCE & MEDICINE IN THE QING

Peterson, Willard. 1973. "Western Natural Philosophy Published in Late Ming China." *Proceedings of the American Philosophical Society* 117.4: 295-322.

_____. 1975. "Fang I-chih: Western Learning and the 'Investigation of Things.'" *The Unfolding of Neo-Confucianism*. Wm. T. de Bary et al, eds. New York: Columbia University Press.

_____. 1979. *Bitter Gourd: Fang I-chih and the Impetus for Intellectual Change*. New Haven: Yale University Press.

Dunstan, Helen. 1975. "The Late Ming Epidemics: A Preliminary Survey." *Ch'ing-shih wen-t'i* 3.3: 1-59.

Henderson, John. 1984. *The Development and Decline of Chinese Cosmology*. New York: Columbia University Press.

Cass, Victoria. 1986. "Female Healers in the Ming and the Lodge of Ritual and Ceremony." *Journal of the American Oriental Society* 106.1:233-40.

Furth, Charlotte. 1986. "Blood, Body, and Gender: Medical Images of the Female Condition in China." *Chinese Science* 7:43-66.

- _____. 1987. "Concepts of Pregnancy, Childbirth, and Infancy in Ch'ing Dynasty China." *JAS* 46.1:7-35.
- _____. 1988. "Androgynous Males and Deficient Females: Biology and Gender Boundaries in Sixteenth- and Seventeenth-Century China." *Late Imperial China* 9.2: 1-31.
- _____. 1992. With Chen Shu-yueh. "Chinese Medicine and the Anthropology of Menstruation in Contemporary Taiwan." *Medical Anthropology Quarterly* 6.1: 27-48.
- _____. 1994. "Rethinking van Gulik: Sexuality and Reproduction in Traditional Chinese Medicine." In Christina K. Gilmartin, Gail Hershatter, et al., eds., *Engendering China: Women, Culture and the State*, 125-46. Cambridge, Mass.: Harvard University Press.
- _____. 1995. "From Birth to Birth: The Growing Body in Chinese Medicine." In Anne Behnke Kinney, ed., *Chinese Views of Childhood*, 157-191. Honolulu: University of Hawai'i Press.
- Leung, Angela. 1987. "Organized Medicine in Ming-Qing China." *Late Imperial China* 8.1:134-165.
- Fisher, Carney. 1988. "Smallpox, Salesmen, and Sectarians: Ming-Mongol Relations in the Jiajing Reign (1522-67)." *Ming Studies* 25: 1-23.
- Elman, Benjamin. 1990. *From Philosophy to Philology: Intellectual and Social Aspects of Change in Late Imperial China*. Harvard East Asian Monographs 110. Cambridge, Mass.: Harvard University Press.
- Cullen, Christopher. 1993. "Patients and Healers in Late Imperial China: Evidence from the *Jinpingmei*." *History of Science* 31: 99-150.
- Kuriyama, Shigehisa. 1993. "Concepts of Disease in East Asia." In Kenneth Kiple, ed., *The Cambridge World History of Human Disease*, 52-59. Cambridge University Press.
- Bray, Francesca. 1995. "A Deathly Disorder: Understanding Women's Health in Late Imperial China." In Don Bates, ed., *Knowledge and the Scholarly Medical Traditions*, 235-250. Cambridge, England: Cambridge University Press.
- Chao Yuan-ling. 1995. "Medicine and Society in Late Imperial China: A Study of Physicians in Suzhou." Ph.D. Dissertation, UCLA.
- Katz, Paul. 1995. *Demon Hordes and Burning Boats: The Cult of Marshall Wen in Late Imperial Chekiang*. SUNY Series in Chinese Local Studies. Albany: SUNY Press.

Chang Chia-feng. 1996. "Aspects of Smallpox and Its Significance in Chinese History." Ph.D. Dissertation, SOAS, University of London.

Grant, Joanna. 1996. "Wang Ji's 'Shishan yi'an': Aspects of Gender and Culture in Ming Dynasty Medical Case Histories." Ph.D., Dissertation, SOAS, University of London.

_____. 1998. "Medical Practice in the Ming Dynasty—A Practitioner's View: Evidence from Wang Ji's *Shishan yi'an*." *Chinese Science* 15:37-80.

Widmer, Ellen. 1996. "The *Huanduzhai* of Hangzhou and Suzhou: A Study in Seventeenth-Century Publishing." *Harvard Journal of Asiatic Studies* 56.1:77-122.

Bray, Francesca. 1997. *Technology and Gender: Fabrics of Power in Late Imperial China*. Berkeley: University of California Press.

Hanson, Marta. 1997. "Inventing a Tradition in Chinese Medicine: From Universal Canon to Local Medical Knowledge in South China, The Seventeenth to the Nineteenth Century." Ph.D., Dissertation, University of Pennsylvania.

Chang Che-chia. 1998. "The Therapeutic Tug of War- The Imperial Physician-patient Relationship in the Era of Empress Dowager Cixi (1874-1908)." Ph.D. Dissertation, University of Pennsylvania.

Howard, Paul. 1998. "Opium Oppression in Qing China: Responses to a Social Problem, 1729-1906. Ph.D., Dissertation, University of Pennsylvania.

Wu, Yili. 1998. "Transmitted Secrets: The Doctors of the Lower Yangzi Region and Popular Gynecology in Late Imperial China." Ph.D. Dissertation, Yale University.

Furth, Charlotte. 1999. *A Flourishing Yin: Gender in China's Medical History, 960-1665*. Berkeley: University of California Press.

Waley-Cohen, Joanna. 1999. *The Sextants of Beijing: Global Currents in Chinese History*. New York/London: W.W. Norton & Company. See ch. 3, "Foreign Goods and Foreign Knowledge in the Eighteenth Century," 92-128.

WEEK 5, May 3 SCIENCE IN REPUBLICAN CHINA

Kwok, D.W.K. 1965. *Scientism in Chinese Thought 1900-1950*. New Haven: Yale University Press.

Garrett, Shirley S. 1970. *Social Reformers in Urban China: The Chinese Y.M.C.A., 1895-1926*. Cambridge, Mass.: Harvard University Press.

Buck, Peter. 1980. *American Science and Modern China: 1876-1936*. Cambridge: Cambridge University Press.

- Pusey, J. R. 1983. *China and Charles Darwin*. Cambridge, Mass.: Harvard University Press.
- Haas, William J. 1988. "Botany in Republican China: The Leading Role of Taxonomy," 31-64. In Bowers, Hess, and Sivin.
- _____. 1996. *China Voyager: Gist Gee's Life in Science*. Armonk, N.Y.: M.E. Sharpe.
- Schneider, Laurence A. 1988. "Genetics in Republican China," 3-30. In Bowers, Hess, and Sivin.
- Yang, Tsui-hua. 1988. "The Development of Geology in Republican China, 1912-1937," 65-90. In Bowers, Hess, and Sivin.
- _____. 1993. *The Development of Geology in Republican China, 1912-1937*. Dordrecht: Kluwer Academic.
- Kirby, William C. 1989. "Technocratic Organization and Technological Development in China: The Nationalist Experience and Legacy, 1928-1953," 23-44. In Simon and Goldman, eds. *Science and Technology in Post-Mao China*.
- Reardon-Anderson, James. 1991. *The Study of Change: Chemistry in China, 1840-1949*. Cambridge: Cambridge University Press, 1991.
- Wang Hui. 1995. "The Fate of 'Mr. Science' in China: The Concept of Science and Its Application in Modern Chinese Thought." *Positions* 3:1: 1-68.
- Wright, David. 1995. "The Transmission of Western Science into China, 1840-1900." Ph.D. Dissertation, School of Oriental and African Studies, University of London.
- _____. 1997. "The Great Desideratum: Chinese Chemical Nomenclature and the Transmission of Western Chemical Concepts." *Chinese Science* 14: 35-70.
- _____. 1998. "The Translation of Modern Western Science in Nineteenth-Century China, 1840-1895." *Isis* 89: 653-673.
- Lin, Xiaoqing C. 1997. "Social Science and Social Control: Empirical Scientific Theories and Chinese Uses." *Chinese Science* 14: 71-89.
- Xu, Xiaoqun. 1997. "'National Essence' Vs 'Science': Chinese Native Physicians' Fight for Legitimacy, 1912-37." *Modern Asian Studies* 31.4: 847-877.
- Broadwin, Julie. 1999. "Intertwining Threads: Silkworm Goddesses, Sericulture Workers and Reformers in Jiangnan, 1880s-1930s." Ph.D. Dissertation, UCSD.

Liu, Xun. 2001. "In Search of Immortality: Inner Alchemy Practice in early 20th-century China." Ph.D. Dissertation, University of Southern California.

WEEK 6, May 10 WESTERN MEDICINE, SCIENCE, & COLONIALISM

Wong, Chimin and Wu Lien-Teh. 1936. *History of Chinese Medicine: Being a Chronicle of Medical Happenings in China from Ancient Times to the Present Period, Second Edition*. Taipei, R.O.C.: Southern Materials Center, Inc.

Hsu, Francis L. K. 1952. *Religion, Science and Human Crises*. London: Routledge and Kegan Paul. Repr. Westport: Greenwood Press. 1973.

_____. 1983. *Exorcising the TroubleMakers: Magic, Science, and Culture*. Contributions to the Study of Religion, No. 11. Westport, CT: Greenwood Press.

Croizier, Ralph C. 1968. *Traditional Medicine in Modern China: Science, Nationalism, and Tensions of Cultural Change*. Cambridge, Mass.: Harvard Univ. Press, 1968.

Spence, Jonathan. 1969. *To Change China: Western Advisers in China, 1620-1960*. Penguin Books.

Bowers, John Z. 1972. *Western Medicine in a Chinese Palace: Peking Union Medical College, 1917-1951*. Philadelphia: The Josiah Macy, Jr. Foundation.

Lampton, David. 1977. *The Politics of Medicine in China: The Policy Process, 1949-1977*. Boulder, Colo.: Westview Press.

Bullock, Mary Brown. 1980. *An American Transplant: The Rockefeller Foundation and Peking Union Medical College*. Berkeley: University of California Press.

Lucas, AnElissa. 1982. *Chinese Medical Modernization: Comparative Policy Continuities, 1930-1980s*. New York, N.Y.: Praeger.

Carol Benedict. 1988. "Bubonic Plague in Nineteenth-Century China." *Modern China* 14.2: 107-55.

Chen, C.C. 1989. *Medicine in Rural China: A Personal Account*. Berkeley: University of California Press.

Minden, Karen. 1994. *Bamboo Stone: The Evolution of the Chinese Medical Elite*. Toronto: University of Toronto Press.

Yip, Ka-che. 1995. *Health and National Reconstruction in Nationalist China: The Development of Modern Health Services, 1928-1937*. Ann Arbor: Association for Asian Studies, Inc.

Fisher, Carney. 1995-6. "Bubonic Plague in Modern China: An Overview." *Journal of*

the Oriental Society of Australia 27 & 28: 57-104.

Andrews, Bridie J. 1996. "The Making of Modern Chinese Medicine, 1895-1937." Ph.D. Dissertation, Cambridge University.

_____. 1997. "Tuberculosis and the Assimilation of Germ Theory in China, 1895-1937." *Journal of the History of Medicine and Allied Sciences* 52:1:114-157.

Benedict, Carol. 1996a. *Bubonic Plague in Nineteenth-Century China*. Stanford: Stanford University Press.

_____. 1996b. "Framing Plague in China's Past." In Gail Hershatter, et al., eds., *Remapping China: Fissures in Historical Terrain*, 27-41. Stanford: Stanford University Press.

_____. 1996c. "Epidemiology and History: An Ecological Approach to the History of Plague in Qing China." *Chinese Environmental History Newsletter* 3.1 (May):6-11.

Rogaski, Ruth. 1996. "From Protecting the Body to Defending the Nation: The Emergence of Public Health in Tianjin, 1859-1953." Ph.D. Dissertation, Yale University.

Fan Fa-ti. 1998. "British Naturalists in China, 1760-1910." Ph.D., Dissertation, University of Chicago.

Levine, Philippa. 1998. "Modernity, Medicine, and Colonialism: The Contagious Diseases Ordinances in Hong Kong and the Straits Settlements." *Positions: East Asia Cultures Critique* 6.3: 675-705.

Heinrich, Larissa N. 1999. "Handmaids to the Gospel: Lam Qua's Medical Portraiture," 239-275. In Lydia Liu, ed., *Tokens of Exchange: The Problem of Translation in Global Circulations*. Durham: Duke University Press.

Lei Hsiang-lin. 1999. "When Chinese Medicine Encountered the State: 1910-1949." Ph.D., Dissertation, University of Chicago.

Shenmo, Connie Anne. 2002. "An Army of Women: The medical ministries of Kang Cheng and Shi Meiyu." Ph.D., Dissertation, State University of New York at Binghamton.

WEEK 7, May 17 PSYCHIATRY, EUGENICS, & CULTURAL PATHOLOGIES

Shapiro, Hugh. 1995. *The View from a Chinese Asylum: Defining Madness in 1930s Peking*. Ph.D. Dissertation. Harvard University.

_____. 1998. "The Puzzle of Spermatorrhea in Republican China." *Positions: East Asia Cultures Critique* 6.3: 551-596.

- _____. 2003. "How Different are Western and Chinese Medicine? The Case of Nerves," 351-372. Helaine Selin, ed., with Shapiro, asst. ed., *Medicine Across Cultures: History and Practice of Medicine in Non-Western Cultures*. Dordrecht and Boston: Kluwer Academic Publishers.
- Dikötter, Frank. 1992. *The Discourse on Race in Modern China*. Stanford: Stanford University Press.
- _____. 1995. *Sex, Culture, and Modernity in China: Medical Science and the Construction of Sexual Identities in the Early Republican Period*. London: Hurst and Co.
- _____. 1997. *The Construction of racial identities in China and Japan: Historical and contemporary perspectives*. London: C. Hurst; Honolulu: University of Hawai'i Press.
- _____. 1998. *Imperfect Conceptions: Medical Knowledge, Birth Defects, and Eugenics in China*. New York: Columbia University Press.
- Evans, Harriet. 1995. "Defining difference: The 'scientific' construction of sexuality and gender in the People's Republic of China." *Signs: Journal of Women in Culture and Society* 20: 357-394.
- Chen, Nancy N. 1999. "Translating Psychiatry and Mental Health in Twentieth-Century China," 305-327. In Lydia Liu, ed., *Tokens of Exchange: The Problem of Translation in Global Circulations*. Durham: Duke University Press.
- Sang, Tze-lan Deborah. 1999. "Translating Homosexuality: The Discourse of *Tongxing'ai* in Republican China (1912-1949)," 276-304. In Lydia Liu, ed., *Tokens of Exchange: The Problem of Translation in Global Circulations*. Durham: Duke University Press.
- Szto, Peter Paul. 2002. "The accommodation of insanity in Canton, China: 1957-1935." Ph.D. Thesis, University of Pennsylvania.
- Heinrich, Larissa N. 2002. "The Pathological Body: Science, race, and literary realism in China, 1770-1930." Ph.D. Thesis, Berkeley.
- Chen, Hsiu-fen. 2003. "Medicine, Society, and the Making of Madness in Imperial China." Ph.D., Dissertation, School of Oriental and African Studies, London.
- WEEK 8, May 24 SCIENCE IN MAOIST CHINA**
- Suttmeier, Richard P. 1974. *Research and Revolution: Science Policy and Societal Change in China*. Lexington, Mass. Lexington Books.
- Orleans, Leo, ed. 1980. *Science in Contemporary China*. Stanford: Stanford University

Press.

- Goldman, Merle. 1981. *China's Intellectuals: Advice and Dissent*. Cambridge, Mass.: Harvard University Press.
- Volti, Rudi. 1982. *Technology, Politics, and Society in China*. Boulder, Colorado: Westview Press.
- Xu Liangying, Fan Dainian. 1982. *Science and Socialist Construction in China*. Edited by Pierre M. Perrolle. Armonk, New York: London: M.E. Sharpe.
- Feurtado, Gardel MacArthur. 1986. *Mao Tse-tung and the politics of science in communist China, 1949-1965*. Ph.D. Dissertation, Stanford.
- Bowers, John Z., J. William Hess, and Nathan Sivin, eds., 1988. *Science and Medicine In Twentieth-Century China: Research and Education*. Ann Arbor: Center of Chinese Studies, The University of Michigan.
- Lewis, John Wilson; Xue Litai. 1988. *China Builds the Bomb*. Stanford: Stanford University Press.
- _____. 1994. *China's Strategic Seapower: the Politics of Force Modernization in the Nuclear Age*. Stanford: Stanford University Press.
- Li, Peishan. 1988. "Genetics in China: The Qingdao Symposium of 1956." *Isis* 79: 227-36.
- Simon, Denis; Detleff Rehn. 1988. *Technological Innovation in China: the Case of Shanghai's Electronics Industry*. Cambridge, Mass.: Ballinger Publishing Co.
- Schneider, Lawrence. 1988. *Lysenkoism in China: Proceedings of the 1956 Qingdao Genetics Symposium*. Armonk, New York: M.E. Sharpe.
- Schneider, Laurence. 1989. "Learning from Russia: Lysenkoism and the Fate of Genetics in China, 1950-1986," 45-68. In Simon and Goldman, eds.
- Wu Dingbo, and Patrick Murphy, eds. 1989. *Science Fiction From China*. New York: Praeger.
- Yao Shuping. 1989. "Chinese intellectuals and science: A history of the Chinese Academy of Sciences (CAS)." *Science in Context* 3:447-473.
- Wang, Yeu-farn. 1993. *China's Science and Technology Policy, 1949-1989*. Aldershot, England; Brookfield, Vermont: Hong Kong: Singapore; Sydney: Avebury.
- Chang, Iris. 1999? *The Silkworm Missile*.

WEEK 9, May 31 SCIENCE AND MEDICINE IN POST-MAO CHINA

Farquhar, Judith. 1987. "Problems of Knowledge in Contemporary Chinese Medical Discourse." *Social Science and Medicine* 24:12: 1013-1021.

Saich, Tony. 1989. *China's Science Policy in the 1980s*. Manchester, England: Manchester University Press; Atlantic Highlands, NJ: Humanities Press International.

Simon, Denis Fred; and Merle Goldman. 1989. *Science and Technology in Post-Mao China*. Harvard Contemporary China Series: 5. Cambridge, Mass.: The Council on East Asian Studies, Harvard University.

Fang Li-chih. 1991. *Bringing Down the Great Wall: Writings on Science, Culture, and Democracy in China*. New York: Knopf.

Farquhar, Judith. 1991. "Objects, Processes, and Female Infertility in Chinese Medicine." *Medical Anthropology Quarterly* 5.4: 370-399.

_____. 1992. "Time and Text: Approaching Chinese Medical Practice Through Analysis of a Published Case." In Charles Leslie, and Allan Young, eds., *Paths to Asian Medical Knowledge*, 62-74. Berkeley: University of California Press.

_____. 1994. *Knowing Practice: The Clinical Encounter of Chinese Medicine*. Boulder, Colorado: Westview Press.

_____. 1994. "The archive, the past, the doctor as agent." *The European Journal of Oriental Medicine* (August):20-21.

_____. 1995. "Re-writing traditional medicine in post-Maoist China," 251-276. In Don Bates, ed., *Knowledge and the scholarly medical traditions*. England: Cambridge University Press.

_____. 1996. "'Medicine and Changes are One': An Essay in Divination Healing with Commentary." *Chinese Science* 13: 107-134.

Scheid, Volker. 1994. "Home and Away: In Search of Chinese Medicine." *The European Journal of Oriental Medicine* (Autumn):14-19.

_____. 2002. *Chinese Medicine in Contemporary China: Plurality and Synthesis*. Chapel Hill: Duke University Press.

Guldin, Gregory Eliyu. 1994. *The Saga of Anthropology in China: From Malinowski to Moscow to Mao*. New York: Sharpe.

Chen, Nancy. 1995. "Urban Spaces and Experiences of Qigong." In Deborah Davis,

ed., *Urban Spaces: Autonomy and Community in Post-Mao China*. Cambridge University Press.

Handwerker, Lisa. 1995. "The Hen That Can't lay an Egg ("Bu Xia Dan de Mu Ji") Conceptions of Female Infertility in Modern China." In Jennifer Terry and Jacqueline Urla, eds., *Deviant Bodies: Critical Perspectives on Difference in Science and Popular Culture*. Bloomington: Indiana University Press.

Pearson, Veronica. 1995. *Mental Health Care in China: State Policies, Professional Services and Family Responsibilities*. Gaskell Publishing House.

Williams, James H. 1995. *Fang Lizhi's Big Bang: Science and Politics in Mao's China*. Ph. D. Dissertation, University of California, Berkeley.

Miller, Lyman H. 1996. *Science and Dissent in Post-Mao China: The Politics of Knowledge*. Seattle/London: University of Washington Press.

White, Sidney. ? Ph.D., Dissertation on Chinese Medicine in the South.

Scheid, Volker. 1998. Ph.D., Dissertation, Cambridge University.

Hsu, Elisabeth. 2000. *The Transmission of Chinese Medicine*. Cambridge Studies in Medial Anthropology 7. England: Cambridge University Press.

Daubin, Joseph. 2000. "Mathematics and Ideology: The Politics of Infinitesimal," 1-61. Unpublished Draft.

Zhan, Mei. 2002. "The Worlding of Traditional Chinese Medicine: A Translocational study of knowledge, identity, and cultural politics in China and the United States." Ph.D. Dissertation, Stanford.

WEEK 10, June 7 ENVIRONMENT, ECONOMY, & SOCIETY

Boxer, Baruch. 1988. "China's Three Gorges Dam: Questions and Prospects." *The China Quarterly* 113 (March):94-108.

Edmonds, Richard L. 1991. Book Review of Forests and Forestry in China: Changing Patterns of Resource development. *The China Quarterly* 127 (September):630-631.

Ho Po-chuan. 1991. *China on the Edge: The Crisis of Ecology and Development*. San Francisco: China Books and Periodicals.

Chu Ko-ping; Li Chin-chang. 1994. *Population and the Environment in China*. Boulder: L. Rienner Publishers.

Edmonds, Richard L. 1994. *Patterns of China's Lost Harmony: A Survey of the Country's Environmental Degradation and Protection*. London: Routledge.

Grove, Richard H. 1995. *Green Imperialism: Colonial expansion, tropical island Edens and the origins of environmentalism 1600-1800*. Studies in Environment and History. England: Cambridge University Press.

_____. 1997. *Ecology, Climate and Empire: colonialism and global environmental history, 1400-1940*. Cambridge, England: The White Horse Press

Tai Ching, et al, eds. 1994. *Yangtze! Yangtze!* London/Toronto: Earthscan Canada.

Smil, Vaclav. 1997. *China's Environmental Crisis: An Inquiry into the Limits of National Development*. New York: M.E. Sharpe.

Elvin, Mark and Liu Ts'ui-jung. 1998. *Sediments of Time: Environment and Society in Chinese History*. Studies in Environment and History. England: Cambridge University Press. Selections of readings.

Marks, Robert. 1998. *Tigers, Rice, Silk, & Silt: Environment and Economy in Late Imperial China*. Studies in Environment and History. England: Cambridge University Press.

China Quarterly. 1998. "Special Issue: China's Environment." 156 (December).