

References

- Acland, H. W. 1856. *Memoir of the cholera at Oxford, in the year 1854, with considerations suggested by the epidemic*. London: J. Churchill.
- Allen-Price, E. D. 1960. Uneven distribution of cancer in West Devon with particular reference to the divers water-supplies. *The Lancet* June 4: 1235–1238.
- American Medical Association. 1855. Minutes of the 8th annual meeting of the AMA. *Transactions of the American Medical Association* 8, 9–12.
- Anderson, S., K. Torugsa, S. Nitayapan, A. Brown, and S. Sangkharomya. 2002. GIS assists public health campaign in Thailand. *ArcUser* July-September: 18–21.
- Arbona, S., and S. C. Crum. 1996. Medical geography and cholera in Peru. *The Geographer's Craft Project, Department of Geography, The University of Colorado at Boulder*. www.colorado.edu/geography/gcraft/warmup/cholera/cholera.html
- Arbona, S., and S. Crum. 1996. Medical geography and cholera in Peru. www.colorado.edu/geography/gcraft/warmup/cholera/cholera.html
- Arrieta, F. 1694. *Raggualio historico del contagio occorso della provincia de Bari negli anni 1690, 1691 e 1692*. Napoli: Dom. Ant. Parrino e Michele Luigi Mutii.
- Associated Press. 2004. Las Vegas officials fed up with stink emanating from downtown storm sewers. August 1, 2004. www.azcentral.com/arizonarepublic/local/articles/0801 backpagefiller01.htm
- Athenaeum, The. 1844. Reviews: Census of the population of Ireland in 1841. No. 846. London, 13 January, 29.
- Badcock, B. 2002. *Making sense of cities: A geographical survey*. London: Arnold, 184.
- Bailey, T. C., and A. C. Gatrell. 1995. *Interactive spatial data analysis*. London: Longman Scientific and Technical, Longman Group Ltd.

- Barrett, F. A. 2000a. August Hirsch: As critic of, and contributor to, Geographical medicine and medical geography. In *Medical geography in historical perspective (Medical History, Supplement No. 20)* edited by N. A. Rupke. London: Wellcome Trust, 98–190.
- . 2000b. Finke's 1792 map of human diseases, the first world disease map? *Social Science and Medicine* 50(7): 915–921. Elsevier Science.
- . 2000c. *Disease and geography: The history of an idea*. York University Department of Geography Monograph 23. Toronto: Atkinson College, 300, 301.
- Barry, J. M. 2004. *The great influenza: The epic story of the deadliest plague in history*. New York: Viking.
- Barthes, R. 1983. Myth today. In *A Barthes reader* edited by S. Sontag. New York: Hill and Wang, 93–149.
- . 1982. The plates of the encyclopedia. In *Barthes: Selected writings* edited by S. Sontag. Glasgow: Fontana Press, 218–219.
- . 1972. *Mythologies*. New York: Hill and Wang, 104, 105.
- Beck, R. J., and D. Wood. 1976. Cognitive transformation of information from urban geographic fields to mental maps. *Environment and Behavior* 8(2): 199–238.
- Berghaus, Heinrich and Hermann. 1838–1848. *Physikalisch atlas oder sammlung von karten*, 2 vols. Gotha: Justus Perthes.
- Berry, J. K. 1999. Beyond mapping: Extending spatial dependency to maps. *GIS Today*.
www.geoplace.com
- Best, J. 2001. *Damned lies and statistics: Untangling numbers from the media, politicians, and activists*. Berkeley: University of California Press.
- Bhattacharya, S. 2003. From foe to friend: Geographical and environmental factors and the control and eradication of smallpox in India. *History and Philosophy of the Life Sciences* 25:3, 299–317.
- Binding, P. 2003. *Imagined corners: Exploring the world's first atlas*. London: Review.
- Board of Health. 1878. *Annual report*. Map showing the sources of some of the odiferous odors perceived in Boston, 1878. Boston: City of Boston Archives.
- Boyd, R. 1999. *The coming of the spirit of pestilence: Introduced infectious diseases and population decline among Northwest Coast Indians, 1774–1874*. Seattle: Washington Press.
- Brigham, A. 1832. *A treatise on epidemic cholera: Including an historical account of its origin and progress, to the present period*. Hartford: H. and F. J. Huntington.

- Brody, H., M. R. Rip, P. Vinten-Johansen, et al. 2000. Map-making and myth-making in Broad Street: The London cholera epidemic, 1854. *Lancet* 356: 64–68.
- Brunn, S. D., S. L. Cutter, and J. W. Harrington, Jr., eds. *Geography and technology*. Dordrecht: Kluwer Academic Publishers. 81–108.
- Burkitt, D. N. 1962a. A tumour safari in east and central Africa. *British Journal of Cancer* 16: 379–386.
- Burkitt, D. N. 1962b. Determining the climatic limitations of a children's cancer common in Africa. *British Medical Journal* October: 1019–1023.
- Camerini, J. 2000. Henrich Bernhaus's map of human diseases. In *Medical geography in historical perspective* (*Medical History*, Supplement No. 20), edited by N. A. Rupke. London: Wellcome Trust, 186–210.
- Campbell, F. R. 1885. The relation of meteorology to disease. *Buffalo Medical and Surgical Journal* 26: 193–214.
- CDC. 2004. Cholera epidemic associated with raw vegetables—Lusaka, Zambia, 2003–2004 (CDC Editorial note). *Journal of the American Medical Association* 292 (17): 2077–2078.
- . 2000a. *Weekly Epidemiological Record* 31 (4. Aug.), Cholera, 1999. Geneva: World Health Organization, 249–256.
- . 2000b. *Epi Info*. Washington, D.C.: U.S. Department of Health and Human Services. www.cdc.gov/epiinfo
- Chadwick, E. 1842. *Report on the sanitary condition of the labouring population of Great Britain to the poor law commissioners* 26: map page 160.
- Christie, J. 1876. *Cholera epidemics in East Africa*. London: MacMillan, 174, 457, 476.
- Churchill, R. R., and S. J. Slarsky. 2004. Mapping September 11, 2001: Cartographic narrative in the print media. *Cartographic Perspectives* 47: 13–27.
- Clemow, F. G. 1903. *The geography of disease*. Cambridge: University Press.
- Cliff, A. D., and P. Haggett. 2003. The geography of disease distributions. In *A century of British geography* edited by R. Johnston and M. Williams. Oxford: Oxford University Press for the British Academy, 11, 12, 521–543.
- . 1988. *Atlas of disease distributions: Analytic approaches to epidemiological data*. London: Blackwell. 53–55.

- Cliff, A. D., P. Haggett, and M. Smallman-Raynor. 2004. *World atlas of epidemic diseases*. London: Arnold, 88, 89, 120–122.
- Cockerill, M. 2003. Data mining: Open access research. *The Scientist* (17) 17: A2–3.
- Cooper, E. 1854. *Report on an enquiry and examination into the state of the drainage of the homes situate in that part of the Parish of St. James, Westminster*. 22 Sept. Metropolitan Commission of Sewers 478/21. London Metropolitan Archives, 1, 2, 6.
- Coswell, C. 1849. On the propagation [sic] of cholera by contagion. *Medical Times and Gazette* 44 (Nov 2): 752–754.
- Crampton, J. W. 2002. Maps, politics, and history: An interview with Mark Monmonier. *Environment and Planning D: Society and Space* 20: 637–646.
- Cromley, E. K., and S. L. McLafferty. 2002. *GIS and public health*. New York: Guilford Press.
- Croner, Charles M. 2004. Public health GIS and the Internet. *Journal of Map and Geography Libraries* 1 (1): 105–135. www.cdc.gov/nchs/data/gis/GIS_AND_THE_INTERNET.pdf
- Dartmouth Atlas of Health Care*. 1998. Chicago: American Hospital Association. www.dartmouthatlas.org/atalslinks/98atlas.php
- Davidson, A. 1892. *Geographical pathology: An inquiry into the geographical distribution of infectious and climatic diseases*, 2 vol. London.
- Davies, J. N. P. 1957. James Christie and the cholera epidemics in East Africa. *East African Medical Journal* 36 (1): 1–6.
- Dimenstein, I. B. 2003. Upfront: Letter. *The Scientist* 17 (17): 14.
- Dorling, D., and D. Fairbairn. 1997. *Mapping: Ways of representing the world*. Essex, United Kingdom: Addison Wesley Longman, Ltd.
- Dotto, L. 2003. Outbreak: The climate connection. *Toronto Globe and Mail*. 30 (August): F7.
- Drake, D. 1850. *A systematic treatise, historical, etiological, and practical, on the principal disease of the interior valley of North America*. Cincinnati: Winthrop B. Smith.
- Duncan, K. 2003. *Hunting the 1918 Flu: One scientist's search for a killer virus*. Toronto: University of Toronto Press.
- Dunham, L. J., and J. C. Bailar, 1968. World maps of cancer mortality rates and frequency ratios. *Journal of the National Cancer Institute* 41 (1): 155–203.

- Farmer, P. 2003. *Pathologies of power: Health, human rights, and the new war on the poor*. Berkeley: University of California Press.
- Farr, W. 1866. Report on the cholera epidemic of 1866 in England. *Medical Times and Gazette*, 8 September. UK Parliament Session Papers 1867–1868, vol. 37.
- . 1855. *Letter of the President of the General Board of Health to the Right Honorable Viscount Palmerston accompanying a report from Dr. Sutherland on epidemic cholera in the metropolis in 1854*. London: George E. Eyre and William Spottiswoode.
- Finke, L. L. 1792. *Versuch einer allgemeinen medicinisch-praktischen Geographie*, 3 vols. Leipzig.
- Firby, P.A. and C.F. Gardiner. 1982. *Surface topology*. New York: John Wiley and Sons.
- Forry, S. 1842. *The climate of the United States and its endemic influences*. New York: J & H. G. Landley.
- . 1841. Statistical researches elucidating the climate of the United States and its relation with diseases of malarial origin, based on the records of the medical department and the adjutant general's office. *American Journal of the Medical Sciences* 1: 13–46.
- Fotheringham, A. S., and F. B. Zhan. 1996. A comparison of three exploratory methods for cluster detection in spatial point patterns. *Geographical Analysis* 28 (3): 200–218.
- Fremlin, G., and A. H. Robinson. 1998. Maps as mediated seeing. *Cartographica* 35 (1 and 2): monograph 51.
- French, W. S., and E. O. Shakespeare. 1885. *Report upon the epidemic of typhoid fever at Plymouth, Luzerne County, PA*. Philadelphia: Ledger Job Print. 9, 10.
- Gattrel, A.C. 1983. *Distance and space: A geographical perspective*. Oxford: Oxford University Press.
- General Board of Health (Medical Council). 1855. Appendix to report of the committee for scientific inquires in relation to the cholera-epidemic of 1854. London: George E. Eyre and William Spottiswoode.
- General Register Office (GRO). 1853. *Weekly return of births and deaths in London* November 19 supplement.
- Gibbons, R. D., D. Meltzer, N. Duan, et al. 2000. Waiting for organ transplantation. *Science* 287 (January 14): 237, 238, 549, 550.
- Gibson, A., S. Asthana, P. Brigham, G. Moon, and J. Dicker. 2002. Geographies of need and the new NHS methodological issues in the definition and measurement of the health needs of local populations. *Health and Place* 8 (1): 47–60.

- Gilbert, E. W. 1958. Pioneer maps of health and disease in England. *Geographical Journal* 124: 172–183.
- Girtz, J. L. 1972. Simple chronic bronchitis and urban ecological structure. In *Medical geography: Techniques and field studies* edited by N. D. McGlashen. London: Methuen and Co., Ltd.
- Godfrey, C. M. 1968. *The cholera epidemics in Upper Canada, 1832-1866*. Toronto: Seecombe House.
- Goodchild, M. 1994. GIS and geographic research. In *Ground truth: The social implications of geographical information systems*, edited by J. Pickles, 31–50. New York: Guilford.
- Gordon, A., and J. Womersley. 1997. The use of mapping in public health and planning health services. *Journal of Public Health Medicine* 19 (2): 139–147.
- Gould, P. 1999. *Becoming a geographer*. Syracuse, New York: Syracuse University Press.
- . 1993. *The slow plague: A geography of the AIDS pandemic*. Cambridge, Massachusetts and Oxford, United Kingdom: Blackwell Publishing.
- , J. Kabel, W. Gorr, and A. Golub. 1991. AIDS: Predicting the next map. *Interfaces* 21 (3): 80–92.
- Grainger. 1850. *Report of the General Board of Health on the epidemic cholera of 1858 and 1859: Appendix B*. Parliamentary papers. Session 1850, vol. 21. 199.
- Guillet, E. C. 1963. *The great migration: The Atlantic crossing by sailing-ship since 1770*. 2nd ed. Toronto: University of Toronto Press.
- Gundersen, L. 2000. Mapping it out: Using atlases to detect patterns in health care, disease, and mortality. *Annals of International Medicine* 133 (2): 161-164.
- Hage, P., and F. Harary. 1983. *Structural models in anthropology*. New York: Cambridge University Press.
- Hägerstrand, T. 1975. Survival and arena: On the life-history of individuals in relation to their geographical environment. *The Monadnock* 49 (June): 9–29.
- . 1969. Innovation diffusion as a spatial process, trans. A. Pred. Chicago: University of Chicago Press.
- Haggett, P. 2000. *The geographical structure of epidemics*. Oxford: Clarendon Press.
- . 1966. *Locational analysis in human geography*. New York: St. Martin's Press.
- Haglund, K. 2002. *Inventing the Charles River*. Cambridge, Massachusetts: MIT Press.

- Hall, E. 2003. Reading maps of the genes: interpreting the spatiality of genetic knowledge. *Health and Place* 9: 151–161.
- Hansen, M. L. 1961. *The Atlantic migration: 1607–1860*. 2nd ed. New York: Harper Torchbooks.
- Harrison, M. 2000. Differences of degree: Representations of India in British medical topography, 1820–c.1870. In *Medical geography in historical perspective (Medical History, Supplement No. 20)* edited by N. A. Rupke. London: Wellcome Trust, 51–69.
- Haviland, A. 1892. *The geographical distribution of disease in Great Britain*. 2nd ed. London: Swan Sonnenschein and Co. vii.
- Heersink, P. 2001. Review, Life of the land: The secret life of maps. Carlucci A., and P. Barber, eds. London: British Library Board 2001. *Cartographica* 38 (1): 136–137.
- Higgs, G. 2002. Researching applications of geographical information systems in health: An introduction. *Health and Place* 8: 1–2.
- Hillary, W. 1763. *Observation on the changes of the air and the concomitant epidemiological disease in the island of Barbados. To which is added a treatise on the putrid bilious fever, commonly called the yellow fever; and such other diseases as are indigenous or endemial in the West India islands, or in the torrid zone*. London: C. Hitch and L. Hawes.
- Hirsch, A. 1883–1886. *A handbook of geographical and historical pathology*, 3 vols. London: Trans. Charles Creighton. 2.
- Holling, C. 1992. Cross-scale morphology, geometry, and dynamics of ecosystems. *Ecological Monographs* 62: 447–493.
- Hopps, H. C. 1969. Computerized mapping of disease and environmental data. In *The mapping of disease* edited by F. J. Spencer. *SLA Bulletin: Geography and Map Division* 79: 24–30.
- Howe, G. M. 1969. The national atlas of disease mortality in the United Kingdom, 2nd ed. *SLA Bulletin: Geography and Map Division* 78: 16–18.
- . 1963. The national atlas of disease mortality in the United Kingdom, 2nd ed. London: Thomas Nelson and Sons, Ltd. 1, 7.
- . 1963. The national atlas of disease mortality in the United Kingdom. London: Thomas Nelson and Sons, Ltd. 7–10.
- Huff, D. 1993. *How to lie with Statistics*. Rev. ed. New York: W. W. Norton.
- Hunter, J. M., and J. Young. 1971. Diffusion of influenza in England and Wales. *Annals of the Association of American Geographers* 61: 637–653.

- Ingold, T. 2000. *The perception of the environment: Essays on livelihood, dwelling, and skill*. London and New York: Routledge. 223–235.
- Institute of Medicine. 1999. *Organ procurement and transplantation: Assessing current policies and the potential impact of the DHHS Final Rule*. Washington, D.C.: National Academy Press.
- Jacob, J. 2003. Editorial: Home rules. *Transactions of the Institute of British Geographers* 28: 259–263.
- Jarcho, S. 1974. Trans. An early medicostatistical map (Malgaigne, 1840). *Bulletin, New York Academy of Medicine* 40 (1).
- . 1970. Yellow fever, cholera, and the beginnings of medical cartography. *Journal of the History of Medicine and Allied Sciences* 25: 131–142.
- . 1969. The contributions of Heinrich and Hermann Berghaus to medical cartography. *Journal of the History of Medicine and Allied Sciences* 24: 412–415.
- Jenkins, S. 2001. Maps that charted the distortions of time. *The Times of London*, August 30.
- Johnson, J., and P. R. Thota. 2003. NAPL contamination evaluation using GIS. *ArcUser* 6 (3): 24–25.
- Johnston, A. K. 1856. *The physical atlas of natural phenomena*. Edinburgh: W. Blackwood.
- Jones, G. E. 1995. *How to lie with charts*. New York: Sybex.
- Jusatz, H. J. 1977. Cholera. In *A world geography of human diseases* edited by G. M. Howe. London: Academic Press.
- . 1969. In *The mapping of disease: Medical mapping as a contribution to human ecology* edited by F. J. Spencer. *SLA Bulletin* no. 78: 19–23.
- Kaiser, W. L., D. Wood, and R. Abramms. 2005. Afterward. *Seeing through maps*. 2nd ed. Amherst, Massachusetts: ODT, Inc.
- Kawachi, I. 2002. Editorial: What is social epidemiology? *Social Science and Medicine* 54: 1739–1741.
- Kitchin, R. 2002. Participatory mapping of disabled access. *Cartographic Perspectives* 50–60.
- Knowles, A. K. 2002. *Past time, past place: GIS for history*. Redlands, Calif.: ESRI Press.
- Koch, T. In press. The map as intent: Variations on the theme of John Snow. *Cartographica*.
- . 2005. Response to Mark Monmonier. *Cartographica*, In Press.
- . 2004. The map as intent: Variations on the theme of John Snow. *Cartographia* 39 (4): 1–14.

- _____. 2003. *The wreck of the William Brown*. Vancouver, Canada: Douglas and McIntyre Publishers.
- _____. 2002. *Scarce goods: Justice, fairness, and organ transplantation*. Westport: Praeger Publishing.
- _____. 1999a. Mapping the ORMS world. *ORMS Today* 26 (4): 26–30.
- _____. 1999b. The organ transplantation dilemma. *ORMS Today* February: 22–31.
- _____. 1999c. They might as well be in Bolivia: Race, ethnicity and the problem of solid organ donation. *Theoretical Medicine and Bioethics* 20 (6): 563–474.
- _____. 1998. *The limits of principle: Deciding who lives and what dies*. Westport, Conn.: Praeger Publishing.
- _____. 1994. *Watersheds: Stories of crisis and renewal in everyday life*. Toronto: Lester Books. 176-198.
- _____. 1991. *Journalism for the 21st Century: Online libraries, databases, and the News*. Westport, Conn.: Praeger Publishing.
- _____. 1990. *The news as myth: Fact and context in journalism*. Westport, Conn.: Praeger Publishing. 26.
- Koch, T., and K. Denike. 2004. Medical mapping: The revolution in teaching—and using—maps for the analysis of medical issues. *Journal of Geography* 103 (2): 76–85.
- _____. 2001. GIS approaches to the problem of disease clusters: a Brief Commentary. *Social Science and Medicine* 51: 151–154.
- Kohli, S., H. Noorland Brage, and O. Löfman. 2000. Childhood leukemia in areas with different radon levels: A spatial and temporally analysis using GIS. *Journal of Epidemiology and Community Health* 54: 822–826.
- Krieger, A., and D. Cobb, eds. 2001. *Mapping Boston*. Cambridge, Mass.: MIT Press.
- Krieger, N. 2001. Historical roots of social epidemiology: socioeconomic gradients in health and context analysis. *International Journal of Epidemiology* 30: 899–903.
- _____. 2001. Glossary for social epidemiology. *Journal of Epidemiology and Community Health* 55: 693–700.
- Krim, A. 2002. Review: Mapping Boston. *The Professional Geographer* 54 (3): 472–473.
- Lancet*. 1849. Reviews. *Lancet*. 2: 317.
- Lang, L. 2000. *GIS for health organizations*. Redlands, Calif.: ESRI Press.
- Langlands, B. W. 1969. Maps and medicine in East Asia. In *The mapping of disease. SLA Geography and Map Bulletin Number* 78: 9-15.

- Learmonth, A. T. A. 1988. *Disease ecology: An introduction*. London: Blackwell Publishing.
- . 1957. Some contrasts in the regional geography of malaria in India and Pakistan. *Transactions of the Institute of British Geographers* 23: 37–59.
- Lederberg, J. 2003. Getting in tune with the enemy—microbes. *The Scientist* 17 (16): 20–21.
- Lee, R. 2002. Nice maps, shame about the theory? Thinking geographically about the economic. *Progress in Human Geography* 26 (3): 333–356.
- Lefebvre, H. 1974. *The Production of space*. Oxford: Blackwell Publishing.
- Lemann, N. 2001. Atlas shrugs: The new geography argues that maps have shaped the world. *New Yorker* April 9: 131–134.
- Lewis, R. 2004. Devious and deadly: Influenza through the ages. *The Scientist* 18 (1): 19.
- Lewontin R. C. 1992. *Biology as ideology: The doctrine of DNA*. New York: Harper-Collins.
- Lind, J. 1771. *An essay on diseases incidental to Europeans in hot climates, with the method of preventing their fatal consequences*. London.
- Lombard, H. C. 1877-1880. *Traité de climatologie médicale, comprenant la meteorology médicale et l etude des influences physiologiques, pathologiques, prophylactiques et thérapeutiques du climate sur la santé*, 4 vol. Paris.
- Longley, P. A., and M. Batty, eds. 2003. *Advanced spatial analysis*. Redlands, Calif.: ESRI Press.
- Lyons, R. D. 1859. [Parliamentary] *Report on the pathology, therapeutics, and general aitiology of the epidemic of yellow fever which prevailed at Lisbon during the latter half of the year 1857*. London: George Edward Eyre and William Spottiswoode.
- Malgaigne, J. F. 1840. Recherches sur le fréquence des hernies selon les sexes, les ages, et relativement à la population. *Annales d'Hygiène et de Médecine Légale* (July 1840): 1–50.
- Marriott, E. 2003. *The plague race: A tale of fear, science, and heroism*. London: Picador.
- Martin, D., H. Wrigley, S. Barnett, and P. Roderick. 2002. Increasing the sophistication of access measurement in a rural health care study. *Health and Place* 8 (1): 3–13.
- Maturana, H., and F. Varela. 1992. *The tree of knowledge: The biological roots of human understanding*. Rev. ed. Boston: Shambhala.
- May, J. M. 1950. Medical geography: Its methods and objectives. *The Geographical Review* 50: 10–41.
- . 1961. Introduction. In *Studies in disease ecology* edited by J. M. May. New York: Hafner Publishing.

- . 1965 or 1955?. *World atlas of diseases*. American Geographical Society.
- Mayer, J. D. 1996. The political ecology of disease as one new focus for medical geography. *Progress in Human Geography* 20 (4): 441–456.
- McGlashan, N. D. 1977. Viral hepatitis in Tasmania. *Social Science and Medicine* 11: 731–744.
- . 1972. *Medical geography: Techniques and field studies*. London: Methuen and Company, Ltd. 135.
- McGlashan, N. D., and J. R. Blunden. 1983. *Geographical aspects of health: Essays in honor of Andrew Learmonth*. London: Academic Press. 85.
- McLeod, K. 2000. Our sense of Snow: The myth of John Snow in medical geography. *Social Science and Medicine* 7 and 8 (February): 923–936.
- McNeill, W. H. 1976. *Plagues and people*. New York: Anchor Press, Doubleday.
- Medical Times and Gazette*. 1866. The East London Water Company. September 8.
- Melnick, A. L. 2002. *Introduction to geographic information systems in public health*. Gaithersburg, Md.: Aspen Publishing. 2, 3.
- Melosi, M. 2000. *The sanitary city: Urban infrastructure in America from colonial times to the present*. Baltimore and London: Johns Hopkins University Press. 46.
- Mitman, G., and R. L. Numbers. 2003. From miasma to asthma: The changing fortunes of medical geography in America. *History and Philosophy of the Life Sciences* 25 (3): 391–412.
- Monmonier, M. and T. Koch. 2005. Mark Monmonier's rejoinder and Tom Koch's response to the article: Koch, Tom. 2004. The map as intent: Variations on the theme of John Snow. *Cartographica* 39 (4):1–14.
- Monmonier, M. 1999. *Air apparent*. Chicago: University of Chicago Press.
- . 1997. *Cartographies of danger*. Chicago: University of Chicago Press. 263.
- . 1996. *How to lie with maps*. 2nd ed. Chicago: University of Chicago Press. 158, 159.
- . 1989. *Maps with the news: The development of American journalistic cartography*. Chicago: University of Chicago Press.
- Morris, R. J. 1976. *Cholera 1832: The social response to an epidemic*. London: Croom Helm.
- Morse, S. S. 1999. Factors in the emergence of infective or infectious? Diseases. *Emerging Infectious Diseases* 1 (2). www.cdc.gov/ncidod/eid/vol1no2/wilsom.htm

- Mühry, A. 1856. *Thesaurus Grundzüge der Noso-Geographie oder geordnete Sammlung noso-geographischer Berichte, mit Hinzugefügten Commentation*. Leizig and Heidelberg: C.F. Winter.
- New York Board of Health. 1821. *A statement of facts relative to the late fever which appeared in Bancker Street and its vicinity*. New York: Bliss.
- Nuland, S. B. 1989. *Doctors: The biography of medicine*. New York: Vintage Books. 239.
- Numbers, R. A. 2000. Reflections on the history of medical geography. In *Medical geography in historical perspective* (Medical History, Supplement No. 20) edited by N. A. Rupke. London: Wellcome Trust. 219.
- O'Connor, E. 2000. *Raw material: Producing pathology in Victorian culture*. Durham: Duke University Press. 11.
- O'Sullivan, D. and Unwin, D. J. 2003. *Geographic information analysis*. Hoboken, N.J.: John Wiley and Sons, Inc.
- Openshaw, S., M. Charlton, and A. Craft. 1988. Searching for leukemia clusters using a geographical analysis engine. *Papers of the Regional Science Association* 64: 95–106.
- Openshaw, S., M. Charlton, C. Wymer, and A. Craft. 1987. A Mark 1 Geographical Analysis Machine for the automated analysis of point data sets. *International Journal of Geographical Information Systems* 1 (4): 335–358.
- Orford, S., D. Dorling, R. Mitchell, M. Shaw, and G. D. Smith. 2002. Life and death of the people of London: A historical GIS of Charles Booth's inquiry. *Health and Place* 8 (1): 25–35.
- Parks, E. 1855. Review: Mode of communication of cholera by John Snow. *British and Foreign Medico-Chiurgical Review* 15: 449–456.
- Pascalis-Ouvière, Felix. 1796. *Medio-chymical dissertations on the cause of the epidemic called yellow fever, and on the preparation of the best antinomial preparations for the use of the medicine*. Philadelphia: Snowden and M'Corkle.
- . 1819. *A statement of the occurrences of a malignant yellow fever, in the city of New-York, in the summer and autumnal months of 1819; and of the check given to its progress, by the measures adopted by the Board of Health. With a list of cases and names of sick persons; and a map of their places of residence within the infected and proscribed limits: with a view of ascertaining, by comparative arguments, whether the distemper was engendered by domestic causes, or communicated by human contagion from foreign ports*. New York: W. A. Mercein. 17, 19, 241.
- . 1820. A statement of the occurrences during a malignant yellow fever in the city of New York. *Medical Repository*. 229–256.

- Patz, J. A., P. Daszak, G. M. Tabor et al. 2004. Unhealthy landscapes: Policy recommendations on land use change and infectious disease emergence. *Environmental Health Perspectives* 112 (10): 1092–1098.
- Petermann, A. 1848. Statistical notes to the cholera map of the British Isles showing the districts attacked in 1831, 1832, and 1833. London: John Betts.
- Pickering, A. 1995. *The mangle of practice: Time, agency, and science*. Chicago: University of Chicago Press.
- Pickles, J. 1997. Tool or science? GIS, technoscience, and the theoretical turn. *Annals of the Association of American Geographers* 87 (2): 363–372.
- Porter, D. H. 1998. *The Thames embankment: Environment, technology, and society in Victorian London*. Akron: University of Akron Press. 22.
- Porter, R. 1998. *The greatest benefit to mankind: A medical history of humanity*. New York: W.W. Norton. 56, 58.
- Pratt, M. 2003. Down-to-earth approach jumpstarts GIS. *ArcUser*, January–March: 68–69.
- Pray, L. A. 2004. Viroids, viruses, and RNA silencing. *The Scientist* 18 (16): 23.
- Pred, Alan. Trans. for Torsten Hägerstrand, *Innovation Diffusion as a Spatial Process*.
- Pritsker, A., and T. Koch. 1999. Organ debate transplanted to pages of *OR/MS Today*. June, 16–18.
- Pritsker, A. 1998. Life and Death Decisions: Organ transplant allocation policy analysis. *OR/MS Today* 25 (4): 22–28.
- Punch, or the London Charivari* 1847. Modern Streetology. 12 (January to June): 265.
- . 1846. London Leaving Town. 11 (July to December): 32.
- . 1845. The Battle of the Streets. 8 (January to June): 63.
- Pyle, G. F. 1986. *The diffusion of influenza: Patterns and paradigms*. Lanham, Md.: Rowman and Littlefield.
- . 1979. *Applied medical geography*. Washington, D.C.: Winston and Sons. 81–83, 98.
- . 1976. Introduction: Foundations to medical geography. *Economic Geography* 52 (2): 95–102.
- . 1969. The diffusion of cholera in the United States in the nineteenth century. *Geographical Analysis* 1 (1): 59–75.

- Pyle, G. F. and P. H. Rees. 1971. Modeling patterns of death and disease in Chicago. *Economic Geography* (October): 475–488.
- Reeder, M. 2002. Burkett's lymphoma. Tropical Medicine Center Resource. tmcr.usuhs.mil/tmcr/chapter41/clinical.htm
- ReVelle, C. 1993. Facility siting and integer-friendly programming. *European Journal of Operational Research* 65: 147–158.
- Richardson, B. W. 1936. Introduction. *Snow on cholera: Being a reprint of two papers by John Snow, M.D.*, edited by W. H. Frost. New York: The Commonwealth Fund.
- Robinson, A. H. 1982. *Early thematic mapping in the history of cartography*. Chicago: University of Chicago Press.
- Robinson, A. H., and B. B. Petchenik. 1986. *The nature of maps: Essays towards understanding maps and mapping*. Chicago: University of Chicago Press. xv, 156, 170, 171, 180, 181, 183, 184.
- Rodenwaldt, E., R. E. Bader, and H. J. Jusatz. 1952-1961. *Welt Seuchen Atlas: Weltatlas der Seuchenverbreitung und Seuchenbewegung*. Hamburg: Falk-Verlag.
- Rogers, E. 1962. *Diffusion of innovation*. New York: Free Press.
- Rothenberg, J. N. 1836. *Die cholera-epidemie des jahres 1832 in Hamburg*. Hamburg: Perthes and Besser.
- Rothman, K. J. 2002. *Epidemiology: An introduction*. New York: Oxford University Press.
- Rupke, N. A. 2000. Adolf Mühry (1810-1888): Göttingen's Humboldtian medical geography. In *Medical geography in historical perspective (Medical History, Supp. No. 20)* edited by N. A. Rupke. London: Wellcome Trust. 86–97.
- Rush, B. 1794. An account of the bilious remitting yellow fever as it appeared in the city of Philadelphia in the year 1793. T. Dobson.
- Russell, R. C. 1987. Survival of insects in the wheel bays of a Boeing 747B aircraft on flights between tropical and temperate airports. *Bulletin, World Health Organization* 65: 659–662.
- Sapolsky, R. M. 2004. Of mice, men, and genes. *Natural History* (May): 21–31.
- Schurmann, N. 1999. Critical GIS: Theorizing an emerging science. *Cartographica* 36 (4): monograph 53.
- Scott, W. 1824. *Report on the epidemic cholera as it appeared in the territories subject to the presidency of Fort St. George*. Madras: Asylum Press.

- Seaman, V. 1798. Inquiry into the cause of the prevalence of yellow fever in New York. *Medical Repository* 1 (3): 314–332.
- . 1796a. *An account of the epidemic yellow fever, as it appeared in the city of New York in the year 1795*. New York: Hopkins, Webb, and Company.
- . 1796b. An account of the epidemic yellow fever as it appeared in the city of New York in the year 1795. In *A collection of papers on the subject of bilious fevers* edited by N. Webster, 1–52.
- Sedgwick, W. T. 1911. *Principles of sanitary science and the public health, with special reference to the causation and prevention of infectious diseases*. 4th ed. New York: MacMillan.
- Shalala, D. 1998. Letter from the Secretary of Health and Human Services to members of Congress. (February 26.)
- Shannon, G. W. 1981. Disease mapping and early theories of yellow fever. *Professional Geographer* 33 (2): 221–227.
- Shapin, S., and S. Schaffer. 1985. *Leviathan and the air-pump: Hobbes, Boyle, and the experimental life*. Princeton: Princeton University Press.
- Shapter, Thomas. 1849. *The history of cholera in 1832 in Exeter*. London: John Churchill; Exeter: Adam Holden. 2, 24, 44–45.
- Smallman-Raynor, M., A. D. Cliff, and P. Haggett. 1992. *London international atlas of AIDS*. Oxford: Blackwell Publishing.
- Snow, J. 1858. Drainage and water supply in connection with the public health. *Medical Times and Gazette*. February 13: 16–17; February 20: 223–224.
- . 1856. Cholera and the water supply of the south districts of London in 1854. *Journal of Public Health* 2: 239–257.
- . 1855a. Dr. Snow's Report. In *Report of the cholera outbreak in the parish of St. James, Westminster, during the autumn of 1854*. London: Churchill. 97–120.
- . 1855b. On the comparative mortality of large towns and rural districts, and the causes by which it is influenced. *Journal of Public Health, and Sanitary Review* 1: 16–24.
- . 1855c. *On the mode of communication of cholera*, 2nd ed. London: Churchill. Reprinted in *Snow on Cholera: Being a reprint of two papers by John Snow, M.D.*, ed. W. H. Frost, 1936. New York: The Commonwealth Fund.
- . 1854a. Communication of cholera by Thames water (letter). *Medical Times and Gazette* 9 (September 2): 247–248.

- . 1854b. The cholera near Golden-square and at Deptford. *Medical Times* 9: 321–322.
- . 1851. On the mode of propagation of cholera. *Medical Times and Gazette* 24: 559–562; 610–612.
- . 1849a. On the pathology and mode of transmission of cholera. *Medical Times and Gazette* 44 (November 2): 745–752.
- . 1849b. On the pathology and mode of transmission of cholera. *Medical Times and Gazette* 44 (November 30): 923–929.
- . 1849c. *On the mode of transmission of cholera*. London: Churchill.
- . 1847. *On the inhalation of the vapour of ether in surgical operations: Containing a description of the various stages of etherization and a statement of the result of nearly eighty operations . . .* London: Churchill.
- Sontag, S. 1978. *Illness as metaphor*. New York: Vintage Books.
- Spencer, F. J. 1969. Woodworth's tome: A biblio-geographical contribution to medical history. In *The mapping of disease: A special issue* edited by F. J. Spencer. *SLA Bulletin* 78: 2–8
- Spielman, A., and M. D'Antonio. 2001. *Mosquito: A natural history of our most persistent and deadly foe*. New York: Hyperion.
- Stamp, L. D. 1964. Some aspects of medical geography. London: Oxford University Press. 163, 146.
- Stevenson, L. G. 1965. Putting disease on the map: The early use of spot maps in the study of Yellow Fever. *Journal of the History of Medicine and Allied Sciences* 20: 226–261.
- Sui, D. and R. Morrill. 2004. Computers and geography: From automated geography to digital earth. In, Brunn, Cutter, and Harrington, eds. *Geography and technology* edited by Brunn, Cutter, and Harrington, 81–108.
- Sutherland, W. 1865. [Parliamentary] Report of the sanitary condition of MALTA and GOZO with reference to the Epidemic Cholera in the year 1865. London: George E. Eyre and William Spottiswoode.
- Tan, D., H. S. Upshur, E. G. Ross, and N. Ford. 2003. Global plagues and the global fund: Challenges in the fight against HIV, TB, and malaria. *BMC International Health and Human Rights* 3.2. www.biomedcentral.com
- Taylor, L. H. 1886. First annual report, State Board of Health and Vital Statistics of Pennsylvania. Harrisburg, Penn. 176–195.

- Thomas, L. T. 1983. *The youngest science: Notes of a medicine-watcher*. New York: Viking Press.
- Tomalin, C. 2002. *Samuel Pepys: The unequalled self*. New York: Penguin Books.
- Torsten Hägerstrand. *Innovation diffusion as a spatial process*, trans. Alan Pred.
- Tropical Medicine Central Resource. Burkitt's lymphoma. 2003. tmcr.usuhs.mil/tmcr/chapter41/clinical.htm
- Tufte, E. 1983. *The visual display of quantitative information*. Cheshire, Conn.: Graphics Press.
- . 1997. *Visual explanations: Images and quantities, evidence, and narrative*. Cheshire, Conn: Graphic Press. 27–37.
- Turner, S. 1991. Social construction and social theory. *Sociological Theory* 9 (1): 22–33.
- Twigg, G. 1984. *The black death: A biological reappraisal*. London: Batsford Academic and Educational Publishers. 186, 187.
- U.S. Department of Health and Human Resources. 1997. *Atlas of the U.S. mortality*. Washington, D.C.: National Center for Health Statistics.
- Valenčius, Conevery B. 2000. The geography of health and the making of the American West: Arkansas and Missouri, 1800–1860. In *Medical geography in historical perspective (Medical History, Supplement No. 20)* edited by N. A. Rupke. London: Wellcome Trust, 121–145.
- Vergano, D. 2000. The operation you get often depends on where you are. *USA Today* (September 19): 1–2A.
- Vergheze, A. 1995. *My own country: A doctor's story*. New York: Vintage Books.
- Vergheze, A., S. L. Berk, and F. Sarubbi. 1989. *Urbs in Rure: Human immunodeficiency virus infections in rural Tennessee*. *Journal of Infectious Diseases* 160 (6): 1051–1055.
- Vinten-Johansen, P., H. Brody, N. Paneth, S. Rachman, M. Rip, and D. Zuck. 2003. *Cholera, choleraform, and the science of medicine: A life of John Snow*. New York: Oxford University Press.
- Wackers, G. L. 1994. *Constructivist medicine*. Maastricht: Universitaire Pers Maastricht.
- Wakley, T. 1855. Editorial. *Lancet* 1: 635.
- Walden, M. M. 1991. Spreading stain. *Science* 29 (March): 1022.
- Wallace, D., and R. Wallace. 1998. *A plague on your houses*. New York: Verso Press.
- . 1997. Community marginalization and the diffusion of disease and disorder in the United States. *British Medical Journal* 314 (May): 1341–1345.

- . 1995. U.S. Apartheid and the spread of AIDS to the suburbs: A multi-city analysis of the political economy of spatial epidemic threshold. *Social Science and Medicine* 41(3): 333–345.
- Wallace, R., D. Wallace, H. Andrews, R. Fullilove, and M. Fullilove. 1995. The spatiotemporal dynamics of AIDS and TB in the New York metropolitan region from a sociogeographic perspective: understanding the linkages of central city and suburbs. *Environment and Planning A* (27): 1085–1108.
- Wallace, R., Y. Huang, P. Gould, and D. Wallace. 1997. The hierarchical diffusion of AIDS and violent crime among U.S. metropolitan regions: Inner-city decay, stochastic resonance and reversal of the mortality transition. *Social Science and Medicine* 44 (7): 935–947.
- Ward, R. D. 1897. The teaching of climatology in medical schools. *Boston Medical and Surgical Journal* 136: 103–106.
- . 1908. *Climate: Considered especially in relation to man*. New York: G. P. Putnam's Sons. 181.
- Weed, L. 1942. John Tyndall and his contribution to the theory of spontaneous generation. *Annals of Medical History* 4 (1): 55–62.
- Whitehead, H. 1855. Mr. Whitehead's report, In *Parish, St. James. Report of the cholera outbreak in the parish of St. James, Westminster, during the autumn of 1854*. London: Churchill. 120–167.
- Wilde, W. R. 1843. *Report upon the tables of deaths, part V. Special sanitary report on Dublin City: Part 4 of the Census of Ireland*, 68–75.
- Wilson, J. E. 1942. An early Baltimore physician and his medical library. *Annals of Medical History* 4 (1): 63–80.
- Wilson, M. E. 1999. Travel and the emergence of infectious disease. *Emerging Infectious Diseases* 1 (2). www.cdc.gov/ncidod/eid/vol1no2/wilson.htm
- Winterton, W. R. 1980. The Soho cholera epidemic in 1854. *History of Medicine* 8 (2): 11–20.
- Wood, D. 2004a. *Five billion years of global change: A history of the land*. New York: Guilford Press.
- . 2004b. Cartography is dead (Thank God!). *Cartographic Perspectives* 45 (Spring): 4–7.
- . 2003. Thinking about maps as propositions instead of pictures. NACIS Annual Meeting, Jacksonville, Florida.
- . 2002. Thinking about maps as propositions instead of pictures. NACIS Annual Meeting, Jacksonville, Florida.
- . 1993a. What makes a map a map? *Cartographica* 30 (2 and 3): 55–60.

- . 1993b. The fine line between mapping and mapmaking. *Cartographica* 30 (4): 50–60.
- . 1992a. *The power of maps*. New York: Guilford Press.
- . 1992b. How maps work. *Cartographica* 29 (3 and 4): 66–74.
- Woodworth, J. M. 1875. *The cholera epidemic of 1873 in the United States*. House of Representatives. Washington, D.C.: Government Printing Office. 43d Cong. 2d Session, House Ex. Doc. No. 95.
- World Health Organization. 1996. Fact Sheet N107. Geneva: World Health Organization. www.who.int/mediacentre/factsheets
- . 2000. *Weekly epidemiological record* 31 (75): 249–256.
- Wright, D. J., M. F. Goodchild, and J. D. Proctor. 1997. Demystifying the persistent ambiguity of GIS as a “tool” versus “science.” *Annals of the Association of American Geographers* 87 (2): 346–362.
- Yeo, E., and E. P. Thompson. 1971. *The unknown mayhew*. New York: Schocken Books.
- York, J. 1855. Mr. York’s Report. In *Report of the cholera outbreak in the parish of St. James, Westminster, during the autumn of 1854*. London: Churchill, 168–172.
- Young, T. C., A. E. Richmond, and G. R. Brendish. 1926. Sandflies and sandfly fever in the Peshwar District. *Indian Journal of Medical Research* 13: 961–1021.
- Zeiler, M. 1999. *Modeling our world: ESRI guide to geodatabase design*. Redlands, Calif.: ESRI Press.