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References

- Acsádi, György and János Nemeskéri. 1957. "Paläodemographische Probleme am Beispiel des frühmittelalterlichen Gräberfeldes von Halimba-Cseres Kom: Veszprém/ Ungarn," *Homo* 8(3): 133–48. Cited in Shigekazu Hishinuma. 1976. "Historical Review on the Longevity of the Human Beings," *Transactions of the 20th International Congress of Actuaries in Tokyo* 5: 251–61 and accompanying book, Institute of Actuaries of Japan.
- ——. 1970. *History of Human Life Span and Mortality*. Translated by K. Balás. Budapest: Akadémiai Kiadó.
- Ainslie, George G. and W. B. Cartwright. 1922. "Biology of the Lotus Borer (*Pyrausta penitalis* Grote)," *Bulletin* of the U. S. Department of Agriculture, No. 1076.
- Akyuz, E. 1959. Unpublished data, filed at FAO, Rome, and Et ve Balik Kurumu, Istanbul. Cited in R. J. H. Beverton and S. J. Holt. 1959. "A Review of the Lifespans and Mortality Rates of Fish in Nature, and their Relation to Growth and Other Physiological Characteristics." In *The Lifespan of Animals* CIBA Foundation on Ageing. Vol. 5. ed. G. E. W. Wolstenholme and Maeve O'Connor. London: J. & A. Churchill.
- Allard, Michel, et al. 1996. "In Search of the Secret of Centenarians." In *Health and Mortality Among Elderly Populations (International Studies in Demography)*, ed. Graziella Caselli and Alan D. Lopez. Oxford: Clarendon Press.
- Allen, Edgar V. 1934. "The Relationship of Sex to Disease," Annals of Internal Medicine 7(8): 1000–12.
- Allman, John M. 1999. *Evolving Brains*. New York: Scientific American Library.
- Allman, John M., Aaron Rosen, Roshan Kumar, et al. 1998. "Parenting and Survival in Anthropoid Primates: Caretakers Live Longer," *Proceedings of the National Academy* of Sciences 95(12): 6866–9.
- Allman, John M. and Andrea Hasenstaub. 1999. "Brains, Maturation Times, and Parenting," *Neurobiology of Aging* 20: 447–54.
- Angel, J. Lawrence 1947. "The Length of Life in Ancient Greece," *Journal of Gerontology* 2(1): 18–24.
- ——. 1953. "The Human Remains from Khirokitia, Appendix II." In *Khirokitia: Final Report on the Excavation* of a Neolithic Settlement in Cyprus on Behalf of the Department of Antiquities, 1936–1946, ed. Porphyrios Dikaios, Oxford University Press, 416–30. Cited in György Acsádi and János Nemeskéri. 1970. *History of Human Life Span and Mortality.* Translated by K. Balás. Budapest: Akadémiai Kiadó.
- ——. 1975. World Anthropology. The Hague, Paris: Mounton Publishers, pp. 167–90. Cited in Shigekazu Hishinuma. 1976. "Historical Review on the Longevity of the Human Beings," *Transactions of the 20th International Congress of Actuaries in Tokyo* 5: 251–61 and accompanying book, Institute of Actuaries of Japan.

- Angst, W. 1976. Breeding Statistics of Macaca Fascicularis in Basel Zoo. Paper presented at the International Primatological Society Meeting, Cambridge, England, August 1976. Cited in G. Mitchell. 1979. Behavioral Sex Differences in Nonhuman Primates. New York: Van Nostrand Reinhold.
- Annandale, N. and R. B. S. Sewell. 1921. "The Banded Pond-Snail of India—Vivipara bengalensis," Records of the Indian Museum 22: 215–48 and 279–86. Cited in Alex Comfort. 1957. "The Duration of Life in Molluscs," Proceedings of the Malacological Society of London 32(Part 6, December): 219–41.
- Arrington, L. R., T. C. Beaty, Jr. and K. C. Kelley. 1973. "Growth, Longevity, and Reproductive Life of the Mongolian Gerbil," *Laboratory Animal Science* 23(2): 262– 65.
- Atkinson, G. T. 1908. "Notes on a Fishing Voyage to the Barents Sea in August, 1907," Journal of the Marine Biological Association of the United Kingdom N.S. 8: 71–98. Cited in Samuel Wood Geiser. 1923. "Evidences of a Differential Death Rate of the Sexes among Animals," The American Midland Naturalist 8(7): 153–63.
- Austad, Steven N. 1991. "Spiders." In "National Institute on Aging, NIH, Workshop on Alternative Animal Models for Research on Aging," ed. Dewitt G. Hazard, Huber R. Warner, and Caleb E. Finch, *Experimental Gerontology* 26(5): 411–39.
- Babylonian Talmud. c500 C.E. Ketubot 83(b). Translated by Harry I. Klaristenfeld.
- Bachmaier, Kurt, et al. 1999. "Chlamydia Infections and Heart Disease Linked Through Antigenic Mimicry," Science 283: 1335–9.
- Bacon, Philip J. and Pelle Andersen-Harild. 1989. "Mute Swan." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Bagatell, Carrie R., Robert H. Knopp, Wylie W. Vale, et al. 1992. "Physiologic Testosterone Levels in Normal Men Suppress High-Density Lipoprotein Cholesterol Levels," *Annals of Internal Medicine* 116(12 Part 1): 967–73.
- Beletsky, Les D., et al. 1995. "Testosterone and Polygyny in Birds," *Current Ornithology* 12: 1–41.
- Bell, Felicitie C., Alice H. Wade, and Stephen C. Goss. 1992. Life Tables for the United States Social Security Area 1900–2080. Actuarial Study No. 107. Washington, DC: U.S. Department of Health and Human Services, Social Security Administration, Office of the Actuary.
- Bellamy, A. W. 1934. "Life Span of *Platypoecilus, Xiphophorus* and their Hybrids in the Laboratory," *Science* 80: 191.
- Belloc, Nedra B. 1982. "Personal Behaviour Affecting Mortality." In *Biological and Social Aspects of Mortality and the Length of Life: Proceedings of a Seminar at Fiuggi,*

Italy, May 13–16, 1980, ed. Samuel H. Preston. Liége, Belgium: Ordina Editions.

- Benjamin, Bernard. 1982. "Smoking and Mortality." In Biological and Social Aspects of Mortality and the Length of Life: Proceedings of a Seminar at Fiuggi, Italy, May 13–16, 1980, ed. Samuel H. Preston. Liége, Belgium: Ordina Editions.
- Berger, Michael E. 1972. "Population Structure of Olive Baboons [*Papio anubis* (J. P. Fischer)] in the Laikipia District of Kenya," *East African Wildlife Journal* 10: 159– 64.
- Berin, Barnet N., George J. Stolnitz, and Aaron Tenenbein. 1990. "Mortality Trends of Males and Females over the Ages," *Transactions of the Society of Actuaries* 41: 9–32.
- Berkel, J. and F. de Waard. 1983. "Mortality Pattern and Life Expectancy of Seventh-Day Adventists in the Netherlands," *International Journal of Epidemiology* 12(4): 455–59.
- Beverton, R. J. H. and S. J. Holt. 1959. "A Review of the Lifespans and Mortality Rates of Fish in Nature, and their Relation to Growth and Other Physiological Characteristics." In *The Lifespan of Animals* CIBA Foundation on Ageing. Vol. 5, ed. G. E. W. Wolstenholme and Maeve O'Connor. London: J. & A. Churchill.
- Bhatia, Shushum. 1983. "Traditional Practices Affecting Female Health and Survival: Evidence from Countries of South Asia." In Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.
- Bischopp, F. and C. Smith. 1938. U.S. Department of Agriculture Circular 478: 1–25. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322, New York: Academic Press.
- Björntorp, Per. 1996. "The Android Woman—A Risky Condition," Journal of Internal Medicine 239(2): 105–10.
- Black, William. 1789. An Arithmetical and Medical Analysis of the Diseases and Mortality of the Human Species. 2d ed. London: John Crowder.
- Blair, A. W. 1934. "Life History of Latrodectus mactans," Archives of Internal Medicine 54(6): 844–50.
- Blair, W. Frank. 1960. The Rusty Lizard, a Population Study. Austin: University of Texas. Cited in Robert L. Trivers. 1972. "Parental Investment and Sexual Selection." In Sexual Selection and the Descent of Man: 1871–1971, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- Blegvad, H. 1922. "On the Biology of Some Danish Gammarids and Mysids," *Report of the Danish Biological Station to the Board of Agriculture* 28: 1–102.

- Blunck, H. 1924. Zoologischer Anzeiger 58: 163–9. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322, New York: Academic Press.
- Blus, Lawrence J. 1971. "Reproduction and Survival of Short-Tailed Shrews (*Blarina brevicauda*) in Captivity," *Laboratory Animal Science* 21(6): 884–91.
- Bobadilla, José Luis and Christine A. Costello. 1997. "Premature Death in the New Independent States: Overview."
 In *Premature Death in the New Independent States*, ed. José Luis Bobadilla, Christine A. Costello, and Faith Mitchell. Washington, DC: National Academy Press.
- Bobyn, Michele L. and Ronald J. Brooks. 1994. "Interclutch and Interpopulation Variation in the Effects of Incubation Conditions on Sex, Survival and Growth of Hatchling Turtles (*Chelydra serpentina*)," *Journal of Zoology London* 233(2): 233–257.
- Bond, James O. 1957. "The Fragile Male," *Geriatrics* 12: 489–93. Reprinted in Sowder, Wilson T., James O. Bond, Everett H. Williams Jr., et al. 1966. *Man to Man Talk about Women and Men.* Jacksonville: Florida State Board of Health, Monograph Series no. 10.
- Bowerman, Walter G. 1950. "Annuity Mortality," *Transactions of the Society of Actuaries* 2: 76–102.
- Brackbill, Robert, Todd Frazier, and Sharon Shilling. 1988. "Smoking Characteristics of U.S. Workers, 1978–1980," *American Journal of Industrial Medicine* 13(1): 5–41.
- Breder, C. and C. Coates. 1932. Copeia 3: 494–504. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322, New York: Academic Press.
- Brilmayer, Lea, Douglass Laycock, Teresa Sullivan, et al. 1980. "Sex Discrimination in Employer-Sponsored Insurance Plans: A Legal and Demographic Analysis," University of Chicago Law Review 505. Cited in Leslie-Ann Marshall. 1984. "Case Note: Title VII—The Supreme Court's Rejection of the Use of Sex-Segregated Mortality Tables—Arizona Governing Committee For Tax Deferred Annuity and Deferred Compensation Plans v. Norris," Howard Law Journal 27(2): 599–652.
- Britten, Rollo H. 1932. "The Incidence of Epidemic Influenza, 1918–19," *Public Health Reports* 47(6): 303–39.
- Bryant, David M. 1988. "Lifetime Reproductive Success of House Martins." In *Reproductive Success*, ed. T. H. Clutton-Brock. Chicago: University Press. Cited in David M. Bryant. 1989. "House Martin." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- ——. 1989. "House Martin." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.

- Bunzel, Margret and Joachim Drüke. 1989. "Kingfisher." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Burek, Joe D. and Carel F. Hollander. 1980. "Experimental Gerontology." In *The Laboratory Rat.* Vol. 2, Research Applications, ed. Henry J. Baker, J. Russell Lindsey and Steven H. Weisbroth. New York: Academic Press.
- Butler, N. R. and D. G. Bonham. 1963. Perinatal Mortality. The First Report of the British Perinatal Mortality Survey. Edinburgh: Livingston. Cited in D. M. Potts. 1970.
 "Which Is the Weaker Sex?" Journal of Biosocial Science (Supplement 2, Biosocial Aspects of Sex: Proceedings of the Sixth Annual Symposium of the Eugenics Society, London, September, 1969, ed. by G. A. Harrison and John Peel): 147–57.
- Byerly, T. and M. Jull. 1935. *Poultry Science*. 14: 217–20. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322, New York: Academic Press.
- Caithness, T., M. Williams and J. D. Nichols. 1991. "Survival and Band Recovery Rates of Sympatric Gray Ducks and Mallards in New Zealand," *Journal of Wildlife Management* 55(1): 111–118.
- Califano, Joseph A., Jr. 1979. The Secretary's Forward to *Smoking and Health: A Report of the Surgeon General*, by U.S. Department of Health Education, and Welfare. Washington, DC: U.S. Government Printing Office.
- Canadian Institute of Actuaries. 1995. *1986–92 Canada CIA Basic Mortality Tables*. In Society of Actuaries Mortality Tables Library. Online at http?//www.soa.org/tablemgr/ tablemgr.html.
- Carey, James R., P. Liedo, D. Orozoco, et al. 1995. "A Male-Female Longevity Paradox in Medfly Cohorts," *Journal of Animal Ecology* 64(1): 107–16.
- Carlson, Anton J. and Frederick Hoelzel. 1946. "Apparent Prolongation of the Life Span of Rats by Intermittent Fasting," *Journal of Nutrition* 31: 363–75.
- Carothers, Eleanor. 1923. Personal communication. Cited in Samuel Wood Geiser. 1923. "Evidences of a Differential Death Rate of the Sexes among Animals," *The American Midland Naturalist* 8(7): 153–63.
- Caughley, Graeme. 1966. "Mortality Patterns in Mammals," *Ecology* 47(6): 906–18.
- Centers for Disease Control and Prevention. 1995–99. *Behavioral Risk Surveillance System Online Prevalence Data*. Division of Adult and Community Health, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention. Online at http://www2.cdc.gov/nccdphp/brfss/index.asp.
- Cherry, Harold. 1971. "The 1971 Individual Annuity Mortality Table," *Transactions of the Society of Actuaries* 23(1): 475–546. Cited in Barbara J. Lautzenheiser. 1976. "Sex and the Single Table: Equal Monthly Retirement

Income for the Sexes?" *Employee Benefits Journal* 2(1): 8–13, 38–44.

- Childs, Barton. 1965. "Genetic Origin of Some Sex Differences Among Human Beings," *Pediatrics* 35(May): 798– 812.
- Christen, Yves. 1991. Sex Differences: Modern Biology and the Unisex Fallacy. Translated by Nicholas Davidson. New Brunswick, USA and London, UK: Translation Publishers.
- Clarke, Joseph. 1786. "Observations on Some Causes of the Excess of Mortality of Males Above That of Females," *Philosophical Transactions of the Royal Society of London* 76: 349–64.
- Clutton-Brock, T. H. 1994. "The Cost of Sex." In *Differences between the Sexes*, ed. R. V. Short and E. Balaban. Cambridge, England: Cambridge University Press.
- Cole, L. and W. Kirkpatrick. 1915. *Rhode Island Agricultural Experiment Station Bulletin* (162): 463–512. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322, New York: Academic Press.
- Comfort, Alex. 1956. "Longevity and Mortality of Irish Wolfhounds," *Proceedings of the Zoological Society of London* 127(Part 1, September): 27–34.
- . 1957. "The Duration of Life in Molluscs," *Proceedings of the Malacological Society of London* 32(Part 6, December): 219–41.
- ——. 1959. "Studies on the Longevity and Mortality of English Thoroughbred Horses." In *The Lifespan of Animals* CIBA Foundation on Ageing. Vol. 5. ed. G. E. W. Wolstenholme and Maeve O'Connor. London: J. & A. Churchill.
- Committee on Animal Models for Research on Aging. 1981. *Mammalian Models for Research on Aging*. Washington, DC: National Academy Press.
- Committee on Ordinary Insurance and Annuities. 1974. "Mortality Differentials by Sex," *Transactions of the Society of Actuaries 1973 Reports* (3): 225–8.
- Conn, I. Graham. 1987. "Why Do Women Live Longer and Is It Worth It?" *British Medical Journal* 294: 1691.
- Corbet, P., C. Longfield, and W. Moore. 1960. Dragonflies. London: Collins. Cited in Robert L. Trivers. 1972. "Parental Investment and Sexual Selection." In Sexual Selection and the Descent of Man: 1871–1971, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- Coulson, J. C. 1960. "A Study of the Mortality of the Starling based on Ringing Recoveries," *Journal of Animal Ecology* 29: 251–71.
- Coulson, J. C. and J. Butterfield. 1986. "Studies on a Colony of Color-Ringed Herring Gulls *Larus-Argentatus* I. Adult Survival Rates," *Bird Study* 33(1): 51–54.
- Crawford, H. and G. Spencer. 1921. Report of the Entomological Society of Ontario 22–26. Cited in James B. Ham-

ilton. 1948. "The Role of testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322, New York: Academic Press.

- Crew, F. A.E. 1925. "Prenatal Death in the Pig and its Effect on the Sex Ratio," *Proceedings of the Royal Society* 46: 9–14. Cited in Philip E. Enterline. 1960. "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.
- ——. 1937. "The Sex Ratio." Presidential Address for Section D (Zoology). Report of the Annual Meeting. British Association for the Advancement of Science (September).
- Crimmins, Eileen M. 1983. "Implications of Recent Mortality Trends for the Size and Composition of the Population Over 65," *Review of Public Data Use* 11(1): 37– 48.
- Crose, Royda. 1997. Why Women Live Longer than Men. . .and What Men Can Do About It. San Francisco: Jossey-Bass Publishers.
- Curtis, M. R., W. F. Dunning and F. D. Bullock. 1933. "Genetic Factors in Relation to the Etiology of Malignant Tumors," *American Journal of Cancer* 17(4): 894–923.
- Daniels, G. L. 1968. "Ovulation and Longevity in the Japanese Quail (*Coturnix coturnix japonica*) under Constant Illumination," *Poultry Science* 47: 1875–78. Cited in David W. E. Smith. 1993. *Human Longevity*. New York & Oxford: Oxford University Press.
- Darwin, Charles. 1871. The Descent of Man and Selection in Relation to Sex. New York: D. Appleton and Company.
- Dazey, J. and J. Erwin. 1976. "Infant Mortality in *Macaca Nemestrina*: Neonatal and Post-neonatal Mortality at the Regional Primate Research Center Field Station, University of Washington, 1967–1974," *Theriogenology* 5: 267–79.
- Deevey, G. B. and Edward S. Deevey Jr. 1945. "A Life Table for the Black Widow," *Transactions of the Connecticut Academy of Arts and Sciences* 36: 115–34. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322, New York: Academic Press.
- Delaporte, Pierre. 1941. "Évolution de la Mortalité en Europe depuis l'Origine des Statistiques de l'État Civil: Tables de Mortalité de Générations," *Études Démographiques*, no. 2, Statistique Generale de la France, Paris: Imprimerie Nationale.
- Demaster, D. P. and J. K. Drevenak. 1988. "Survivorship Patterns in Three Species of Captive Cetaceans," *Marine Mammal Science* 4(4): 297–311.
- Deprez, P. 1965. "The Demographic Development of Flanders in the Eighteenth Century." Translated by Margaret

Hilton. In Glass, D. V. and D. E. C. Eversley. 1965. *Population in History*. Chicago: Aldine Publishing Company.

- Derocher, Andrew E. and Ian Stirling. 1996. "Aspects of Survival in Juvenile Polar Bears," *Canadian Journal of Zoology* 74(7): 1246–1252.
- DeVore, Irven and C. Owen Lovejoy. 1985. "The Natural Superiority of Women." In *The Physical and Mental Health of Aged Women*, ed. Marie R. Haug et al. New York: Springer Publishing Company.
- Dhondt, André A., Frank Adriaensen and Werner Plompen. 1996. "Between- and Within-Population Variation in Mate Fidelity in the Great Tit." In *Partnerships in Birds: The Study of Monogamy*, ed. Jeffrey M. Black. Oxford: Oxford University Press.
- Diamond, Jared M. 1982. "Big-bang Reproduction and Ageing in Male Marsupial Mice," *Nature* 298(5870): 115–16.
- Dietrich, William. 2001. "Conspicuous Consumers," Pacific Northwest, The Seattle Times Magazine. August 5:26.
- Dittus, W. P. J. 1975a. "The Ecology and Behavior of the Toque Monkey, *Macaca Sinica*," Dissertation Abstracts B35/09, 4725. Cited in G. Mitchell. 1979. *Behavioral Sex Differences in Nonhuman Primates*. New York: Van Nostrand Reinhold.
- ——. 1975b. Population Dynamics of the Toque Monkey, Macaca Sinica." In Socioecology and Psychology of Primates, ed. R. H. Tuttle. The Hague: Mouton Publishers, 125–51. Cited in G. Mitchell. 1979. Behavioral Sex Differences in Nonhuman Primates. New York: Van Nostrand Reinhold.
- ——. 1977. *Behaviour* 63: 281–322. Cited in John M. Allman, Aaron Rosen, Roshan Kumar, et al. 1998. "Parenting and Survival in Anthropoid Primates: Caretakers Live Longer," *Proceedings of the National Academy of Sciences* 95(12): 6866–9.
- Doering, Charles H., H. K. H. Brodie, H. Kraemer, et al. 1974. "Plasma Testosterone Levels and Psychologic Measures in Men Over a 2-Month Period." In Sex Differences in Behavior, a Conference, ed. Richard C. Friedman, Ralph M. Richart and Raymond L. Vande Wiele. New York: John Wiley & Sons.
- Dominion Bureau of Statistics (Canada). 1939. *Canadian Abridged Life Tables: 1871, 1881, 1921, 1931*. Catalogue no. 84–510A. Ottawa, ON: Queen's Printer and Controller of Stationery.
- ——. 1947. *Life Tables for Canada and Regions, 1941 and 1931.* Catalogue no. 84–510A. Ottawa, ON: Queen's Printer and Controller of Stationery.
- ——. 1960. *Canadian Life Tables*, 1950–1952—1955– 1957. Catalogue no. 84–510. Ottawa, ON: Queen's Printer and Controller of Stationery.
- ——. 1963. Canadian Life Tables, 1960–1962. Catalogue no. 84–516. Ottawa, ON: Queen's Printer and Controller of Stationery.
- Dufty, Alfred M., Jr. 1989. "Testosterone and Survival: A Cost of Aggressiveness?" *Hormones and Behavior* 23: 185–93.
- Dunbar, R. 1980. *Journal of Animal Ecology* 49: 485–506. Cited in John M. Allman, Aaron Rosen, Roshan Kumar,

et al. 1998. "Parenting and Survival in Anthropoid Primates: Caretakers Live Longer," *Proceedings of the National Academy of Sciences* 95(12): 6866–69.

- Dyke, Bennett, Timothy B. Gage, Patricia L. Alford, et al. 1995. "Model Life Table for Captive Chimpanzees," *American Journal of Primatology* 37(1): 25–55.
- Dyke, Bennett, Timothy B. Gage, Paul M. Mamelka, et al. 1986. "A Demographic Analysis of the Wisconsin Regional Primate Rhesus Colony, 1962–1982," *American Journal of Primatology* 10(3): 257–69.
- Ehrhardt, Anke A. and Heino F. L. Meyer-Bahlburg. 1981. "Effects of Prenatal Sex Hormones on Gender-Related Behavior," *Science* 211 (March 20): 1312–8.
- Eigenmann, C. 1896. Archiv fuer Entwicklungsmechanik der Organismen 4: 125–79. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322, New York: Academic Press.
- Einarsen, A. S. 1945. "Some Factors Affecting Ring-Necked Pheasant Population Density," *Murrelet* 26: 39– 44. Cited in Robert E. Ricklefs. 1973. "Fecundity, Mortality and Avian Demography," *Breeding Biology of Birds*, ed. D. S. Farner. Washington, DC: National Academy of Sciences.
- Eisner, Erica. 1967. "Actuarial Data for the Bengalese Finch (*Lonchura striata*: Fam. Estrildidae) in Captivity," *Experimental Gerontology* 2: 187–9.
- Emlen, John T., Jr. 1940. "Sex and Age Ratios in Survival of the California Quail," *Journal of Wildlife Management* 4: 92–99.
- Enterline, Philip E. 1960. "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.
- Étienne, R. 1957. "Demographic et épigraphie," *Atti del terzo Congresso internazionale di epigrafia greca e latina, Rome, 4-8 settembre.* Cited in Keith Hopkins. 1966. "On the Probable Age Structure of the Roman Population," *Population Studies* 20: 245–64.
- Eves, H. 1964. An Introduction to the History of Mathematics. New York: Holt, Rinehart and Winston. Cited in A. D. Wilkie. 1984. "Notes on Equal Treatment for Men and Women in Occupational Social Security Schemes," Journal of the Institute of Actuaries 111(Part 1): 15–72.
- Faber, Joseph F., and Alice H. Wade. 1983. "Life Tables for the United States: 1900–2050," Actuarial Study No. 89, SSA Publication No. 11-11536. Washington, DC: U.S. Department of Health and Human Services. Cited in Barnet N. Berin, George J. Stolnitz, and Aaron Tenenbein. 1990. "Mortality Trends of Males and Females over the Ages," Transactions of the Society of Actuaries 41: 9–32.
- Federici, Nora. 1950. "La Mortalità Differenziale dei due sessi e le sue Possibili Cause," *Statistica (Bologna)*, 10: 274–320.

Fineman, Robert. 2000. Personal communication with the author.

- Fitz-Gerald, Frances J., M. Ashton Barfield, and R. J. Warrington. 1968. "Voluntary Alcohol Consumption in Chimpanzees and Orangutans," *Quarterly Journal of Studies on Alcohol* 29(2): 330–6.
- Fitzpatrick, John W. and Glen E. Woolfenden. 1989. "Florida Scrub Jay." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Forbes, T. 1940. *Copeia* 3:132. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322, New York: Academic Press.
- Franz, P. and W. Winkler. 1936. "Die Sterblichkeit in der frühen Bronzezeit Niederösterreichs," Zietschrift fur Rasssenkunde Bd. 4. Cited in Shigekazu Hishinuma. 1976. "Historical Review on the Longevity of the Human Beings," Transactions of the 20th International Congress of Actuaries in Tokyo 5: 251–61 and accompanying book, Institute of Actuaries of Japan.
- French, Fern E. 1960. Factors Relating to the Excess Mortality of the Male: A Statistical Investigation, Dr.P.H. thesis. Berkeley: University of California.
- Fulton, T. 1904. Annual Report of the Fishery Board for Scotland 22: 141–241. Cited in James B. Hamilton. 1948.
 "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257– 322, New York: Academic Press.
- Geary, David C. 1998. *Male, Female: The Evolution of Human Sex Differences*. Washington, DC: American Psychological Association.
- Geiser, Samuel Wood. 1921. "Notes on the Differential Death-Rate in *Gambusia*," *Ecology* 2: 220–2.
- ——. 1923. "Evidences of a Differential Death Rate of the Sexes among Animals," *The American Midland Naturalist* 8(7): 153–63.
- ——. 1924. "The Differential Death-Rate of the Sexes among Animals, with a Suggested Explanation," *Washington University Studies* 12(1): 73–96.
- Gejvall, Nils-Gustaf. 1960. Westerhus: Medieval Population and Church in the Light of Skeletal Remains. Stockholm: Kungl. Vitterhets Historie och Antikvitets Akademien.
- Georgiana, Sister M. 1949. "Longevity of the Parasitic Wasp Habrobracon Juglandis Ashmead," The American Naturalist 83(808): 39–48.
- Gerould, J. 1926, Cited in J. MacArthur and W. Baillie. 1929. *Journal of Experimental Zoology* 53: 243–68. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in*

Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322, New York: Academic Press.

- Gilmartin, William G., Thea C. Johanos and L. Lee Eberhardt. 1993. "Survival Rates for the Hawaiian Monk Seal (*Monachus schauinslandi*)," *Marine Mammal Science* 9(4): 497–410.
- Goehlert, V. 1888. "Die Schwankungen der Geburtenzahl nach Monaten," *Biol. Centralbl.* 8: 342–52. Cited in Philip E. Enterline. 1960. "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.
- Goldberg, Herb. 1976. *The Hazards of Being Male: Surviving the Myth of Masculine Privilege*. Plainview, NY: Nash Publishing.
- Goldberg, Ken. 1993. *How Men Can Live as Long as Women: Seven Steps to a Longer and Better Life*. Fort Worth, TX: Summit Group.
- Goldschmidt. 1917, Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322, New York: Academic Press.
- Goodall, Jane. 1986. *The Chimpanzees of Gombe: Patterns of Behavior*. Cambridge, MA: The Belknap Press of Harvard University Press. Cited in John M. Allman, Aaron Rosen, Roshan Kumar, et al. 1998. "Parenting and Survival in Anthropoid Primates: Caretakers Live Longer," *Proceedings of the National Academy of Sciences* 95(12): 6866–9.
- Gordon, Tavia. 1967. "Further Mortality Experience among Japanese Americans," *Public Health Reports* 82(11): 973–84.
- Gowaty, Patricia Adair. 1996. "Battles of the Sexes and Origins of Monogamy." In *Partnerships in Birds: The Study of Monogamy*, ed. Jeffrey M. Black. Oxford: Oxford University Press.
- Gowen, John W. 1931. "On Chromosome Balance as a Factor in Duration of Life," *Journal of General Physiology* 14(4): 447–61.
- Goy, R. W. and C. Phoenix. 1971. "The Effects of Testosterone Propionate Administered Before Birth on the Development of Behavior in Genetic Female Rhesus Monkeys," in *Steroid Hormones and Brain Function* in UCLA Forum in Medical Sciences No. 15, ed. Charles H. Sawyer and Roger A. Gorski. Berkeley: University of California Press, 193–201.
- Graf, J. 1917. Bulletin of the U. S. Department of Agriculture No. 247. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the* Laurentian Hormone Conference 3: 257–322. New York: Academic Press.

- Graney, Marshall J. 1979. "An Exploration of Social Factors Influencing the Sex Differential in Mortality," *Sociological Symposium* 28: 1–26.
- Graunt, John. 1662. *Natural and Political Observations Mentioned in a Following Index, and Made upon the Bills of Mortality*. Reprint, edited with an introduction by Walter F. Wilcox. Baltimore, MD: Johns Hopkins University Press, 1939.
- Greenlee, Harold R. Jr. and Alfonso D. Keh. 1971. "The 1971 Group Annuity Mortality Table" *Transactions of the Society of Actuaries* 23(1): 569–604. Cited in Barbara J. Lautzenheiser. 1976. "Sex and the Single Table: Equal Monthly Retirement Income for the Sexes?" *Employee Benefits Journal* 2(1): 8–13, 38–44.
- Greenstein, Ben. 1993. *The Fragile Male*. Secaucus, NJ: Carol Publishing Group.
- Gura, Trisha. 1999. "Immunology: *Chlamydia* Protein Linked to Heart Disease," *Science* 283: 1238–39.Hamilton, James B. 1948. "The Role of Testicular Secre-
- Hamilton, James B. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, The Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Hamilton, James B. and Gordon E. Mestler. 1969. "Mortality and Survival: Comparison of Eunuchs with Intact Men and Women in a Mentally Retarded Population," *Journal* of Gerontology 24(4): 395–411.
- Hammond, E. Cuyler. 1966. "Smoking in Relation to the Death Rates of One Million Men and Women." In *Epidemiological Approaches to the Study of Cancer and Other Chronic Diseases*. National Cancer Institute Monograph 19, Bethesda, MD.
- ——. 1969. "Life Expectancy of American Men in Relation to Their Smoking Habits," *Journal of the National Cancer Institute* 43(4): 951–62.
- Hammoud, Esmat I. 1965. "Studies in Fetal and Infant Mortality: II. Differentials in Mortality by Sex and Race," *American Journal of Public Health and the Nation's Health* 55(8): 1152–63.
- Harris, V. A. 1964. The Life of the Rainbow Lizard. London: Hutchinson Tropical Monographs. Cited in Robert L. Trivers. 1972. "Parental Investment and Sexual Selection," in Sexual Selection and the Descent of Man: 1871– 71, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- Harrison, J. L. 1956. Bulletin of the Raffles Museum 27(5). Cited in F. Bourlière. 1959. "Lifespans of Mammalian and Bird Populations in Nature." In The Lifespan of Animals CIBA Foundation on Ageing. Vol. 5, ed. G. E. W. Wolstenholme and Maeve O'Connor. London: J. & A. Churchill.
- Harrison, James B. 1978. "Warning: The Male Sex Role May Be Dangerous to Your Health," *Journal of Social Issues* 34(1): 65–86.
- Hart, J. L. 1948. Proceedings and Transactions of the Royal Society of Canada 42(Series III): 65. Cited in R. J. H.

Beverton and S. J. Holt. 1959. "A Review of the Lifespans and Mortality Rates of Fish in Nature, and their Relation to Growth and Other Physiological Characteristics." In *The Lifespan of Animals* CIBA Foundation on Ageing. Vol. 5, ed. G. E. W. Wolstenholme and Maeve O'Connor. London: J. & A. Churchill.

- Hayflick, Leonard. 1982. "Biological Aspects of Aging." In Biological and Social Aspects of Mortality and the Length of Life: Proceedings of a Seminar at Fiuggi, Italy, May 13–16, 1980, ed. Samuel H. Preston. Liége, Belgium: Ordina Editions.
- Haynes, Suzanne G., Elaine D. Eaker and Manning Feinleib. 1984. "The Effect of Employment, Family, and Job Stress on Coronary Heart Disease Patterns in Women." In *The Changing Risk of Disease in Women: An Epidemiologic Approach*, ed. Ellen B. Gold. Lexington, MA.: Colbamon Press, 37–48.
- Haynes, Suzanne G., Manning Feinleib, and William B. Kannel. 1980. "The Relationship of Psychosocial Factors to Coronary Heart Disease in the Framingham Study. III. Eight-Year Incidence of Coronary Heart Disease," *American Journal of Epidemiology* 111(1): 37–58. Cited in Deborah L. Wingard. 1982. "The Sex Differential in Mortality Rates: Demographic and Behavioral Factors," *American Journal of Epidemiology* 115(2): 205–16.
- Hazuda, Helen P., Steven M. Haffner, Michael P. Stern, et al. 1986. "Employment Status and Women's Protection Against Coronary Heart Disease: Findings from the San Antonio Heart Study," *American Journal of Epidemiology* 123(4): 623–40.
- Hazzard, William R. 1999. "The Sex Differential in Longevity," in *Principles of Geriatric Medicine and Gerontology*. 4th ed., ed. William R. Hazzard, John P. Blass, William H. Ettinger Jr., et al. New York: McGraw Hill. First published in *Principles of Geriatric Medicine*, Reubin Andres, Edwin L. Bierman, and William R. Hazzard. New York: McGraw-Hill, 1985.
- Health Information Foundation. 1958. "Advances in Maternal Health," *Progress in Health Services* 7(November): 1–6.
- Hefford, A. E. 1909. "The Proportionate Distribution of the Sexes of Plaice in the North Sea," Cons. perm. internat. pour l'Exploration de la Mer, Rapp. et Proc. ver. des Réun. 11: 135–76. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322. New York: Academic Press.

. 1916. "Report on Sexual Differentiation in the Biology and Distribution of Plaice in the North Sea," *Fishery Investigations. Series 2/Board of Agriculture and Fisheries (England).* 3(2). Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated

with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.

- Hein, S. 1920. "Studies on Variation in the Mealworm," Journal of Genetics 10: 227–64. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322. New York: Academic Press. Also cited in Philip E. Enterline, 1960. "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.
- Heligman, Larry and John H. Pollard. 1980. "The Age Pattern of Mortality," *Journal of the Institute of Actuaries* 107(Part 1): 49–80.
- Henry, Louis. 1956. Anciennes familles Genevoises. Étude démographique: XVI^e-XX^e Siècle. Paris: Presses Universitaires de France.
- Herdan, G. 1952. "Causes of Excess Male Mortality in Man," *Acta Genetica et Statistica Medica (Basel)* 3(4): 351–76.
- Herms, W. B., S. F. Bailey and Barbara McIvor. 1935. "The Black Widow Spider," *Bulletin—California Agricultural Experiment Station* No. 591.
- Hickey, J. J. 1955. "Population Research on Gallinaceous Birds," *Recent Studies in Avian Biology*, ed. A. Wolfson. University of Illinois Press: Urbana, 326–396. Cited in Robert E. Ricklefs. 1973. "Fecundity, Mortality and Avian Demography," *Breeding Biology of Birds*, ed. D. S. Farner. Washington, DC: National Academy of Sciences.
- Hildebrand, Samuel F. 1932. "Growth of Diamond-Back Terrapins: Size Attained, Sex Ratio and Longevity," *Zoo-logica* 9(15): 551–63.
- ——. 1933. "Hybridizing Diamond-Back Terrapins," *Journal of Heredity* 24(6): 231–238.
- Hill, P., E. Wynder, L. Garbaczewski, et al. 1980. "Plasma Hormones and Lipids in Men at Different Risk for Coronary Heart Disease," *American Journal of Clinical Nutrition* 33(5): 1010–18.
- Hirth, H. F. 1963. "The Ecology of Two Lizards on a Tropical Beach," *Ecological Monographs* 33: 83–112. Cited in Robert L. Trivers. 1972. "Parental Investment and Sexual Selection." In *Sexual Selection and the Descent of Man: 1871–1971*, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- Hishinuma, Shigekazu. 1976. "Historical Review on the Longevity of the Human Beings," *Transactions of the* 20th International Congress of Actuaries in Tokyo 5: 251– 61 and accompanying book, Institute of Actuaries of Japan.
- ——. 1978. Jumyo no genkai o saguru (Search for the Limit of Life Expectancy). Toyo Keisai Shimpo Sha, To-kyo. Cited in Lado T. Ruzicka and Alan D. Lopez. 1983. "Sex Differentials in Mortality: Conclusions and Pros-

pects." In Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.

- Hochachka, Wesley M., James N. M. Smith and Peter Arcese. 1989. "Song Sparrow." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Hodgman, Thomas P, Daniel J. Harrison, Donald D. Katnik, et al. 1994. "Survival in an Intensively Trapped Marten Population in Maine," *Journal of Wildlife Management* 58(4): 593–600.
- Hoffman, H. J. 1979. "Survival Distributions for Selected Laboratory Rat Strains and Stocks." In *Development of the Rodent as a Model System of Aging*. Book II. DHEW Publication No. (NIH) 79–161, ed. D. C. Gibson, R. C. Adelman, and C. Finch. Washington, DC: U. S. Department of Health, Education, and Welfare. Cited in Committee on Animal Models for Research on Aging. 1981. *Mammalian Models for Research on Aging*. Washington, DC: National Academy Press.
- Holden, Constance. 1987. "Why Do Women Live Longer Than Men?" Science 238(4824): 158–60.
- Hollingsworth, T. H. 1957. "A Demographic Study of the British Ducal Families," *Population Studies* 11(1): 4–26.
 Reprinted in Glass, D. V. and D. E. C. Eversley, eds. 1965. *Population in History: Essays in Historical Demography*. Chicago: Aldine Publishing Company.
- -----. 1964. "The Demography of the British Peerage," Supplement to *Population Studies* 18(2).
- Holmes, S. J. and J. C. Goff. 1923. "The Selective Elimination of Male Infants under Different Environmental Influences," *Eugenics in Race and State* Baltimore 2: 233– 51. Cited in Samuel Wood Geiser. 1924. "The Differential Death-Rate of the Sexes among Animals, with a Suggested Explanation," *Washington University Studies* 12(1): 73–96.
- Hopkins, Keith. 1966. "On the Probable Age Structure of the Roman Population," *Population Studies* 20: 245–64.
- Hötker, Hermann. 1989. "Meadow Pipit." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Hu, Patricia S. and Jennifer R. Young. 1999. Summary of Travel Trends: 1995 Nationwide Personal Transportation Survey in Federal Highway Administration. Online at http: //www-cta.ornl.gov/npts/1995/Doc/publications.shtml.
- Hubbs, Carl L. 1921. "The Ecology and Life-History of *Amphigonopterus Aurora* and of Other Viviparous Perches of California," *The Biological Bulletin* 40(4): 181–209.
- Human Genome Project Information. 2000. *The Science Behind the Human Genome Project: Understanding the Basics and How the HGP is Implemented*. Online at http://www.ornl.gov/hgmis/resource/info.html. Also see *Frequently Asked Questions*. Online at http://www.ornl.gov/hgmis/faq/faq1.html.

- Huntsman, A. 1918. *Biological Board of Canada Bulletin* 1: 32. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- ibn Ezra, Abraham. c1167. Biblical Commentaries. Translated by Harry I. Klaristenfeld.
- Individual Life Insurance Experience Committee (ILIEC). 2000. "Report of the Individual Life Insurance Experience Committee: Mortality Under Standard Individually Underwritten Life Insurance Between 1990 and 1991 Anniversaries," *Transactions of the Society of Actuaries Reports*. Online at http://www.soa.org/research/91ilreport. html.
- Jacobs, Eva E., ed. 1999. Handbook of U.S. Labor Statistics: Employment, Earning, Prices, Productivity and Other Labor Data. 3d ed. Lanham, MD: Bernan Press.
- James I, King of England. 1604. A Counterblast to Tobacco, as transcribed in *Two Broadsides Against Tobacco*. 1672. London: John Hancock.
- Jerusalem Talmud. c400 C.E. Cited in Tosafot of Babylonian Talmud, Ketubot 52(a). Translated by Harry I. Klaristenfeld.
- Jewell, F. M. 1921. "Sex Ratios in Foetal Cattle," *Biological Bulletin* 41: 259–71. Cited in Philip E. Enterline. 1960.
 "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.
- Johnson, Allan. 1977. "Sex Differentials in Coronary Heart Disease: The Explanatory Role of Primary Risk Factors," *Journal of Health and Social Behavior* 18: 46–54.
- Jourand, Sidney M. 1971. *The Transparent Self.* New York: D. Van Nostrand Company.
- Kalben, John F. 1999. Personal communication with the author.
- Kimball. 1979. "Reverse Sex Discrimination: 'Manhart,'" American Bar Foundation Research Journal 83. Cited in Leslie-Ann Marshall. 1984. "Case Note: Title VII—The Supreme Court's Rejection of the Use of Sex-Segregated Mortality Tables—Arizona Governing Committee For Tax Deferred Annuity and Deferred Compensation Plans v. Norris," Howard Law Journal 27(2): 599–652.
- ——. 1980. "Reprise on Manhart," American Bar Foundation Research Journal 915. Cited in Leslie-Ann Marshall. 1984. "Case Note: Title VII—The Supreme Court's Rejection of the Use of Sex-Segregated Mortality Tables—Arizona Governing Committee For Tax Deferred Annuity and Deferred Compensation Plans v. Norris," Howard Law Journal 27(2): 599–652.
- King, H. D. 1921. "A Comparative Study of the Birth Mortality in the Albino Rat and Man," *Anatomical Record* 20: 321–54. cited in Philip E. Enterline. 1960. "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.

. 1939. American Anatomical Memoirs (17): 1. Cited in P. H. Leslie's comments on W. J. Martin. 1951. "A Comparison of the Trends of Male and Female Mortality," *Journal of the Royal Statistical Society*. Series A (General), 114(Part III): 287–306.

- Kingkade, W. Ward and Eduardo E. Arriaga. 1997. "Mortality in the New Independent States: Patterns and Impacts." In *Premature Death in the New Independent States*, ed. José Luis Bobadilla, Christine A. Costello, and Faith Mitchell. Washington, DC: National Academy Press.
- Kirmeyer, Sharon and Larry Heligman. 1985. "Sex Differentials in Mortality: Prospects and Changing Trends for the Future," *International Population Conference, Florence 1985*, Vol. 1. Liège, Belgium: International Union for the Scientific Study of Population.
- Kitagawa, Evelyn M. 1977. "On Mortality," *Demography* 14: 381–9.
- Klauber, L. 1936. Occasional Papers—San Diego Society of Natural History 1: 2–24. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322. New York: Academic Press.
- Klipstein-Grobusch, Kerstin, Diederick E. Grobbee, Johanna H. den Breeijen, et al. 1999. "Dietary Iron and Risk of Myocardial Infarction in the Rotterdam Study," *American Journal of Epidemiology* 149(5): 421–38.
- Kobayashi, Kazumasa. 1956. "Abridged Life Table of the Village Populations in the Edo Period Japan," *Jinkomon-dai Kenkyu* 65 (written in Japanese). Cited in Shigekazu Hishinuma. 1976. "Historical Review on the Longevity of the Human Beings," *Transactions of the 20th International Congress of Actuaries in Tokyo* 5: 251–61 and accompanying book, Institute of Actuaries of Japan.
- —. 1964. "Estimation of the Longevity of Japanese in the Jomon Period from Skeletons," *Jinkomondai-Kenkyu* 90 (written in Japanese). Cited in Shigekazu Hishinuma. 1976. "Historical Review on the Longevity of the Human Beings," *Transactions of the 20th International Congress* of Actuaries in Tokyo 5: 251–61 and accompanying book, Institute of Actuaries of Japan.
- ——. 1967. "Trend in the Length of Life Based on Human Skeletons from Prehistoric to Modern Times in Japan," *Journal of the Faculty of Science*, University of Tokyo, Sec. V. 3, Part 2: 107–62. Cited in Shigekazu Hishinuma. 1976. "Historical Review on the Longevity of the Human Beings," *Transactions of the 20th International Congress of Actuaries in Tokyo* 5: 251–61 and accompanying book, Institute of Actuaries of Japan.
- Koskinen, Seppo and Tuija Martelin. 1994. "Why Are Socioeconomic Mortality Differences Smaller Among Women than Among Men?" *Social Science and Medicine* 38(10): 1385–96.
- Kawamoto, H., R. N. Sinha and W. E. Muir. 1989. "Effect of Temperature on Adult Survival and Potential Fecundity

of the Rusty Grain Beetle *Cryptolestes-ferrugineus*," *Applied Entomology and Zoology* 24(4): 418–423.

- Kuznetsova, S. 1987. "Polymorphism of Heterochromatin Areas on Chromosomes 1, 9 and Y in Long-Lived Subjects and Persons of Different Ages in Two Regions of the Soviet Union," Archives of Gerontology and Geriatrics 6: 177–86. Cited in David W. E. Smith and Huber R. Warner. 1989. "Does Genotypic Sex Have a Direct Effect on Longevity?" Experimental Gerontology 24(4): 277–88.
- Labitte, Alphonse. 1916. "Longévité de quelques insectes de captivité," *Bulletin du Muséum National d'Histoire Naturélle* 22: 105–13.
- Landauer, Walter and Anna B. Landauer. 1931. "Chick Mortality and the Sex Ratio in Domestic Fowl," *American Naturalist* 65: 492–501. Cited in Philip E. Enterline. 1960. "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.
- Lautzenheiser, Barbara J. 1976. "Sex and the Single Table: Equal Monthly Retirement Income for the Sexes?" *Employee Benefits Journal* 2(1): 8–13, 38–44.
- Leacy, F. H., ed., 1983. *Historical Statistics of Canada*. 2d ed. Ottawa, ON: Statistics Canada.
- Leslie, P. H., et al. 1955. "The Longevity and Fertility of the Orkney Vole, *Microtus orcadensis*, as Observed in the Laboratory," *Proceedings of the Zoological Society of London* 125: 115–25. Cited in Graeme Caughley. 1966. "Mortality Patterns in Mammals," *Ecology* 47(6): 906– 18.
- Levi, Wendell Mitchell. 1957. *The Pigeon*. Sumpter, SC: Levi Publishing Co.
- Leviatan, Uri and Jiska Cohen. 1985. "Gender Differences in Life Expectancy among Kibbutz Members," *Social Science and Medicine* 21(5): 545–51.
- Loison, Anne, Bianchet Marco Festa, Jean Michel Gaillard, et al. 1999. "Age-specific Survival in Five Populations of Ungulates: Evidence of Senescence," *Ecology* 80(8): 2539–2554.
- Lopez, Alan D. 1983. "The Sex Mortality Differential in Developed Countries." In Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.
- Lopez, Alan D., and Lado T. Ruzicka. 1983. "Introduction."
 In Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.
- MacArthur J. and W. Baillie. 1929. *Journal of Experimental Zoology* 53: 243–68. Cited in James B. Hamilton. 1948.

"The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257– 322. New York: Academic Press.

——. 1932. From U.S. Dept. of Agriculture. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.

MacDonell, R. W. 1913. "On the Expectation of Life in Ancient Rome, and in the Provinces of Hispania and Lucitania, and Africa," *Biometrika* 9: 366–80. Cited in Shigekazu Hishinuma. 1976. "Historical Review on the Longevity of the Human Beings," *Transactions of the* 20th International Congress of Actuaries in Tokyo 5: 251– 61 and accompanying book, Institute of Actuaries of Japan.

Madigan, Francis C. 1956. "The Differential Mortality of the Sexes, 1900–1954: Cultural and Biological Factors in the Diverging Life Chances of American Men and Women." Ph.D. dissertation. University of North Carolina, Chapel Hill.

——. 1957. "Are Sex Mortality Differentials Biologically Caused?" *Milbank Memorial Fund Quarterly* 35(2): 202–33.

- Madigan, Francis C., and Rupert B. Vance. 1957. "Differential Sex Mortality: A Research Design," *Social Forces* 35: 193–9.
- Maimonides, Moses. c1204. Commentary on the Mishna, Tractate Nidah, Chapter 5, Mishna 6. Translated by Harry I. Klaristenfeld.
- Maitland, William. 1739. *The History of London from its Foundations by the Romans to the Present Time*. London: Samuel Richardson.
- Marler, C. A. and M. C. Moore. 1988. "Evolutionary Costs of Aggression Revealed by Testosterone Manipulations in Free-Living Male Lizards," *Behavioral Ecology and Sociobiology* 23: 21–6. Cited in Les D. Beletsky et al. 1995. "Testosterone and Polygyny in Birds," *Current Ornithology* 12: 1–41.
- Marshall, Leslie-Ann. 1984. "Case Note: Title VII—The Supreme Court's Rejection of the Use of Sex-Segregated Mortality Tables—*Arizona Governing Committee For Tax Deferred Annuity and Deferred Compensation Plans v. Norris,*" *Howard Law Journal* 27(2): 599–652.
- Martin, W. J. 1951. "A Comparison of the Trends of Male and Female Mortality," *Journal of the Royal Statistical Society.* Series A (General), 114(Part III): 287–306.
- Masoro, Edward J. 1990. "Animal Models in Aging Research," in *Handbook of the Biology of Aging*. 3d ed., ed. Edward L. Schneider and John W. Rowe. San Diego: Academic Press.

- Masterman, A. T. 1913. Fishery Investigations. Series 1/ Board of Agriculture and Fisheries (England) 1. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322. New York: Academic Press.
- Masure, A. M. and F. Bourlière. 1971. "Surpeuplement, fécondité, mortalité et agressivité dans une population captive de *Papio Papio*," *Extrait de la Terre et la Vie* 75: 491–505. Cited in G. Mitchell. 1979. *Behavioral Sex Differences in Nonhuman Primates*. New York: Van Nostrand Reinhold.
- Maugh, Thomas H., II. 1999. "Researchers Directly Link Heart Disease, Bacteria," *Seattle Times* (February 26).
- McCay, Clive M., Gladys Sperling, and Leroy L. Barnes. 1943. "Growth, Ageing, Chronic Diseases, and Life Span in Rats," *Archives of Biochemistry* 2(3): 469–79.
- McGill, Henry C. Jr. and Michael P. Stern. 1979. "Sex and Atherosclerosis" In *Atherosclerosis Review* 4: 157–242.
- McKeown, Thomas, and R. G. Brown. 1955. "Medical Evidence Related to English Population Changes in the Eighteenth Century," *Population Studies* 9: 119–41.
- McMillan, Marilyn M. 1979. "Differential Mortality by Sex in Fetal and Neonatal Deaths," *Science* 204: 89–90.
- Menon, M. D. 1950. Journal of the Marine Biological Association of the United Kingdom 29: 185. Cited in R. J. H. Beverton and S. J. Holt. 1959. "A Review of the Lifespans and Mortality Rates of Fish in Nature, and their Relation to Growth and Other Physiological Characteristics," in *The Lifespan of Animals* CIBA Foundation on Ageing. Vol. 5, ed. G. E. W. Wolstenholme and Maeve O'Connor. London: J. & A. Churchill.
- Menzies, W. 1916. Salmon Fisheries (Fishery Board Scotland), 1915, no. II: 27. Cited in James B. Hamilton. 1948.
 "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- ——. 1921. Salmon Fisheries (Fishery Board Scotland), 1920, no. II: 13–23. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257– 322. New York: Academic Press.
- Meyers, D. G., et al. 1997. "Possible Association of a Reduction in Cardiovascular Events with Blood Donation," *Heart* 78(2): 188–93.
- Mills, J. A. 1989. "Red-Billed Gull." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Mitchell, G. 1979. *Behavioral Sex Differences in Nonhuman Primates*. New York: Van Nostrand Reinhold.

- Moheau, M. 1778. *Recherches et considérations sur la population de la France*. Reprinted in 1912, with an introduction and analytical table by René Gonnard. Paris: Librairie Paul Geuthner. Translated from French by Robert F. Berendsen and Jérôme Lamontagne.
- Moir, Henry. 1932. Sources and Characteristics of the Principal Mortality Tables; original ed., principal contributor, Henry Moir, associate contributors, J. D. Craig et al.; revised ed., principal contributor, James S. Elston, associate contributors, James R. Herman, et al. New York: The Actuarial Society of America.
- Montagu, Ashley. 1992. *The Natural Superiority of Women*. Revised ed. New York: Collier Books.
- Montgomery, T. H., Jr. 1908. "The Sex Ratio and Cocooning Habit of an Aranead and the Genesis of the Sex Ratio," *Journal of Experimental Zoology* 5: 429–52. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Moretti, L. 1959. "Statistica Demografica ed Epigrafica: Durata Media della Vida in Roma Imperiale," *Epigraphica* 21. Cited in Keith Hopkins. 1966. "On the Probable Age Structure of the Roman Population," *Population Studies* 20: 245–64.
- Moriyama, Iwao M. 1983. "The Determinants of Sex Differentials in Mortality." In Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.
- Moriyama, Iwao M., Theodore D. Woolsey, and J. Stamler. 1958. "Observations on Possible Factors Responsible for the Sex and Race Trends in Cardiovascular-Renal Mortality in the United States," *Journal of Chronic Diseases* 7: 401–12.
- Moyal, Ann. 2001. *Platypus: The Extraordinary Story of How a Curious Creature Baffled the World*. Washington, DC: Smithsonian Institution Press.
- Moyer, Kenneth E. 1987. *Violence and Aggression: A Physiological Perspective*. New York: Paragon House Publishers.
- Murphy, Sherry L. 2000. "Deaths: Final Data for 1998," *National Vital Statistics Reports* 48(11). Hyattsville, MD: National Center for Health Statistics. Online at http:// www.cdc.gov/nchs/releases/oonews/finaldeath98.htm
- Murton, R. K. and N. J. Westwood. 1977. Avian Breeding Cycles. Oxford: Clarendon Press.
- Nathanson, Constance A. 1977. "Sex Roles as Variables in Preventive Health Behavior," *Journal of Community Health* 3(2): 142–55.
 - -----. 1984. "Sex Differences in Mortality," Annual Review of Sociology 10: 191–213.

- ——. 1995. "Mortality and the Position of Women in Developed Countries." In Adult Mortality in Developed Countries: From Description to Explanation, ed. Alan D. Lopez, Graziella Caselli, and Tapani Valkonen, Oxford: Oxford University Press.
- Nathanson, Constance and Alan D. Lopez. 1987. "The Future of Sex Differentials on Industrialized Countries: A Structural Hypothesis," *Population Research and Policy Review* 6: 123–36.
- National Center for Health Statistics. 1996. Vital Statistics of the United States, 1992, Volume II, Mortality, Part A. Washington, DC: Public Health Service.
 - ------. 1999. *Health, United States, 1999 with Health and Aging Chartbook.* Online at http://www.cdc.gov/nchs/products/pubs/pubd/hus/99husdes.htm.
 - ——. 2000a. GMWK291— Death Rates for 72 Selected Causes by 5-Year Age Groups, Race, and Sex: United States, 1979–98. Online at http://www.cdc.gov/nchs/ datawh/statab/unpubd/mortabs/gmwk291.htm.
- ——. 2000b. *Health, United States, 2000 with Adolescent Health Chartbook.* Hyattsville, Maryland. Online at http://www.cdc.gov/nchs/products/pubs/pubd/hus/00hus-top.htm.
- National Central Bureau of Statistics (Sweden). 1969. Historical Statistics of Sweden, Part 1. Population Second Edition. 1720–1967. Stockholm: Beckmans.
- Newton, Ian. 1986. *The Sparrowhawk*. Calton, England: T & A D Poyser.
- ——. 1989. "Sparrowhawk." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Nieschlag, Eberhard, Susan Nieschlag, and Hermann M. Behre. 1993. "Lifespan and Testosterone," *Nature* 366(6452): 215.
- Nikiforov, Sergey V. and Valery B. Mamaev. 1998. "The Development of Sex Differences in Cardiovascular Disease Mortality: A Historical Perspective," *American Journal of Public Health* 88(9): 1348–53.
- Nishida, Toshisada, ed. 1990. The Chimpanzees of the Mahale Mountains: Sexual and Life History Strategies. Tokyo: University of Tokyo Press. Cited in John M. Allman, Aaron Rosen, Roshan Kumar, et al. 1998. "Parenting and Survival in Anthropoid Primates: Caretakers Live Longer," Proceedings of the National Academy of Sciences 95(12): 6866–9.
- Niwa, N. 1950. "Life of Viviparus malleatus," Bulletin of the Japanese Society of Scientific Fisheries 16: 108–10. Cited in Alex Comfort. 1957. "The Duration of Life in Molluscs," Proceedings of the Malacological Society of London 32(Part 6, December): 219–41.
- Nolan, Paul M, Geoffrey E. Hill and Andrew M. Stoehr. 1998. "Sex, Size, and Plumage Redness Predict House Finch Survival in an Epidemic," *Proceedings of the Royal Society of London Series B—Biological Sciences* 265: 961–5.
- Nomura, Kan-Ichi. 1921. Suisan Gakkwai Hô (Japanese) 3: 205–9. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Cas-

tration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.

- Oldham, C. 1931. "Note on V(iviparus) contectus," Journal of Conchology 19: 179. Cited in Alex Comfort. 1957.
 "The Duration of Life in Molluscs," Proceedings of the Malacological Society of London 32(Part 6, December): 219–41.
- Olesiuk, P. F., M. S. Bigg, and G. M. Ellis. 1990. "Life History and Population Dynamics of Resident Killer Whales (Orcinus orca) in the Coastal Water of British Columbia and Washington State." In Hammond, Philip. S., Sally A. Mizroch and Gregory P. Donovan, ed. Individual Recognition of Cetaceans: Use of Photo-Identification and Other Techniques to Estimate Population Parameters / Incorporating the Proceedings of the Symposium and Workshop on Individual Recognition and the Estimation of Cetacean Population Parameters. Cambridge, England: International Whaling Commission.
- Orians, Gordon H. and Les D. Beletsky. 1989. "Red-Winged Blackbird." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Ortmeyer, Linda E. 1979. "Female's Natural Advantage? Or, the Unhealthy Environment of Males? The Status of Sex Mortality Differentials," *Women and Health* 4(2): 121–33.
- Owen, Myrfyn. 1982. "Population Dynamics of Svalbard Barnacle Geese 1970–1980. The Rate, Pattern and Causes of Mortality as Determined by Individual Marking," *Aquila* 89: 229–47. Cited in Myrfyn Owen and Jeffrey M. Black. 1989. "Barnacle Goose." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Owen, Myrfyn and Jeffrey M. Black. 1989. "Barnacle Goose." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Palmore, Erdman. 1980. "Predictors of Longevity." In Second Conference on the Epidemiology of Aging, ed. Suzanne G. Haynes and Manning Feinleib. Washington, DC: U.S. Government Printing Office National Institutes of Health Publication 80–969, 57–65.
- Pampel, Fred C., and Catherine Zimmer. 1989. "Female Labour Force Activity and the Sex Differential in Mortality: Comparisons Across Developed Countries, 1950–80," *European Journal of Population* 5(3): 281–304.
- Papanicolaou, G. 1910. *Biol. Centralbl.* 30: 689–92, 737–50, 753–74, 784–802 and 31: 81–5. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Parkes, A. S. 1925. "Studies on the Sex-Ratio and Related Phenomena. (7) The Foetal Sex-Ratio in the Pig," *Journal of Agricultural Science* 15: 284–99.
- ——. 1967. "The Sex-Ratio in Man." In *Penguin Science Survey 1967: The Biology of Sex*, ed. Anthony Allison. London: Penguin Books.

- Passannante, Marian Rose Catherine and Constance A. Nathanson. 1987. "Women in the Labor Force: Are Sex Mortality Differentials Changing?" *Journal of Occupational Medicine* 29(1): 21–8.
- Paternostro, Giovanni. 1994. "Longevity and Testosterone," *Nature* 368(6470): 408.
- Pearl, Raymond. 1922. *The Biology of Death*. Philadelphia: J. B. Lippincott Company.
- Pearl, Raymond and Sylvia Louise Parker. 1921. "Experimental Studies on the Duration of Life: I. Introductory Discussion of the Duration of Life in *Drosophila*," *American Naturalist* 55(641): 481–509.
- Pearl, Raymond, J. Park and J. R. Miner. 1941. "Experimental Studies on the Duration of Life: XVI. Life Tables for the Flour Beetle, *Tribolium confusum Dural*," *American Naturalist* 75: 5–19. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Pearson, Karl. 1901. "On the Change in Expectation of Life in Man during a Period of Circa 2000 Years," *Biometrika* 1: 261–4.
- Pease, Michael. 1947. "How Long Do Poultry Breeding Stock Live?" Agriculture: The Journal of the Ministry of Agriculture 54: 263–6.
- Pedoe, Arthur. 1947. "The Trend of Adult Mortality in England and the United States," and Abstract of the Discussion *Journal of the Institute of Actuaries* 73(Part I, 336): 213–49.
- Peller, Sigismund. 1965. "Births and Deaths among Europe's Ruling Families since 1500." In *Population in History: Essays in Historical Demography*, ed. D. V. Glass and D. E. C. Eversley. Chicago: Aldine Publishing Company.
- Perls, Thomas T. and Ruth C. Fretts. 1998. "Why Women Live Longer than Men," *Scientific American Presents Women's Health: A Lifelong Guide* 9(2): 100–4.
- Perls, Thomas T, and Margery Hutter Silver, with John G. Lauerman. 1999. Living to 100: Lessons in Living to your Maximum Potential at any Age. New York: Basic Books.
- Perrenoud, A. 1975. "L'inégalité devant la mort à Genève au XVIIè siècle," *Démographie historique (Population*, 30, special issue): 221–43. Cited in Jacques Vallin. 1991.
 "Mortality in Europe from 1720 to 1914: Long-Term Trends and Changes in Patterns by Age and Sex." In *The*

Decline of Mortality in Europe, ed. R. Schofield, D. Rehar, and A. Bideau. Oxford: Clarendon Press.

- Perrins, C. M. 1965. "Population Fluctuations and Clutch Size in the Great Tit, *Parus major*," *Journal of Animal Ecology* 18: 156–70. Cited in Robert E. Ricklefs. 1973. "Fecundity, Mortality and Avian Demography," *Breeding Biology of Birds*, ed. D. S. Farner. Washington, DC: National Academy of Sciences.
- Petersen, Anne C. 1980. "Biopsychosocial Processes in the Development of Sex-Related Differences." In Parsons, Jacquelynne E. *The Psychobiology of Sex Differences and Sex Roles*. Washington, DC: Hemisphere Publishing Company.
- Petersen, C., W. Garstang and H. Kyle. 1907. Procès-verbal de la réunion / Conseil permanent international pour l'exploration de la mer. Copenhagen 7: 54–159. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257–322. New York: Academic Press.
- Peto, Richard, Alan D. Lopez, Jillian Boreham, et al. 1994. Mortality from Smoking in Developed Countries 1950– 2000: Indirect Estimates from National Vital Statistics. Oxford: Oxford University Press.
- Phillips, Roland L., J. W. Kuzma, W. Lawrence Beeson, et al. 1980. "Influence of Selection versus Lifestyle on Risk of Fatal Cancer and Cardiovascular Disease among Seventh-Day Adventists," *American Journal of Epidemi*ology 112(2): 296–314.
- Pierce, John P. 1997. "Tobacco Control Policy Strategies: Lessons from Western Developed Countries." In *Premature Death in the New Independent States*, ed. José Luis Bobadilla, Christine A. Costello, and Faith Mitchell. Washington, DC: National Academy Press.
- Pinnelli, Antonella. 1997. "Gender and Demography." In Démographie: analyse et synthèse. Causes et conséquences des évolutions démographiques. Actes du Séminaire "Population et démographie: problèmes et politiques" San Miniato. Vol 1. Università La Sapienza, Dipartimento di Scienze, Rome, Italy.
- Potts, D. M. 1970. "Which Is the Weaker Sex?" *Journal of Biosocial Science* (Supplement 2): 147–57.
- Potts, G. R. 1969. "The Influence of Eruptive Movements, Age, Population Size and Other Factors on the Survival of the Shag [*Phalacrocorax aristotelis* (L)]," *Journal of Animal Ecology* 38: 53–102. Cited in Robert E. Ricklefs. 1973. "Fecundity, Mortality and Avian Demography," *Breeding Biology of Birds*, ed. D. S. Farner. Washington, DC: National Academy of Sciences.
- Pressat, Roland. 1973. Surmortalité Biologique et Surmortalité Sociale," *Revue Francaise de Sociologie* 14(Special Issue): 103–10. Translated from French by Robert F. Berendsen and Jérôme Lamontagne.
- Preston, Samuel H. 1976. Mortality Patterns in National Populations with Special Reference to Recorded Causes

of Death. New York: Academic Press. Cited in Marshall J. Graney. 1979. "An Exploration of Social Factors Influencing the Sex Differential in Mortality," *Sociological Symposium* 28: 1–26.

- Preston, Samuel H., Nathan Keyfitz, and R. Schoen. 1972. *Causes of Death.* New York: Academic Press. Cited in Marshall J. Graney. 1979. "An Exploration of Social Factors Influencing the Sex Differential in Mortality," *Sociological Symposium* 28: 1–26.
- Price, Richard. 1772. Observations on Reversionary Payments; on Schemes for Providing Annuities for Widows, and for Persons in Old Age; on the Method of Calculating the Values of Lives; and on the National Debt. 3rd ed. Dublin: James Williams and David Hay.
- Prokhorov, Alexander V. 1997. "Cigarette Smoking and Priorities for Tobacco Control in the New Independent States." In *Premature Death in the New Independent States*, ed. José Luis Bobadilla, Christine A. Costello, and Faith Mitchell. Washington, DC: National Academy Press.
- Punnett, R. 1904a. "Merism and Sex in Spinax niger," Biometrika 3: 313–62. Cited in James B. Hamilton. 1948.
 "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference 3: 257– 322. New York: Academic Press.
- ——. 1904b. Proceedings of the Cambridge Philological Society. 12: 293–96. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257– 322. New York: Academic Press.
- Ramey, Estelle R. 1982. "The Natural Capacity for Health in Women." In *Women: A Developmental Perspective*, ed. Phyllis W. Berman and Estelle R. Ramey. Washington, DC: U.S. Government Printing Office.
- ——. 1997. "How Female and Male Biology Differ." In *Women's Health Research: A Medical and Policy Primer*, ed. Florence P. Haseltine. Washington, DC: Health Press International.
- Rasmuson, Marianne. 1971. "Men, the Weaker Sex?" Impact of Science on Society 21: 43–54.
- Rau, Phil and Nellie Rau. 1914. "Longevity in Saturniid Moths, and its Relation to the Function of Reproduction," *Transactions Academy of Science St. Louis* 23: 1–78. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Redman, H. C., C. H. Hobbs, and A. H. Rebar. 1979. "Survival Distribution of Syrian Hamsters (*Mesocricetus au*-

ratus, Sch:SYR) Used during 1972–77," Progress in Experimental Tumor Research 24: 108–17.

- Renkonen, K. O., O. Mäkelä and Raimo Lehtovaara. 1962. "Factors Affecting the Human Sex Ratio," *Nature* 194(4825): 308–9.
- Retherford, Robert D. 1975. *The Changing Sex Differential in Mortality*, Studies in Population and Urban Demography, No. 1. Westport, CT: Greenwood Press.
- Reuters. 2000. "Study: Russian Men Die Drunk," *The Seattle Times/Seattle Post-Intelligencer*, Sec. A (May 21): A21.
- Richards, Harry A. 1909. "A Study of New England Mortality," *Publications of the American Statistical Association* 11(88): 636–46.
- Richdale, L. E. 1957. A Population Study of Penguins. London: Oxford University Press. Cited in R. K. Murton and N. J. Westwood. 1977. Avian Breeding Cycles. Oxford: Clarendon Press.
- Ricklefs, Robert E. 1973. "Fecundity, Mortality and Avian Demography," in *Breeding Biology of Birds*, ed. D. S. Farner. Washington, DC: National Academy of Science.
- Risley. 1933. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Rivin, Arthur U. and Sim P. Dimitroff. 1954. "The Incidence and Severity of Atherosclerosis in Estrogen-Treated Males, and in Females with a Hypoestrogenic or a Hyperestrogenic State," *Circulation* 9: 533–9.
- Robertson, T. Brailsford, Hedley R. Marston, and J. W. Walters. 1934. "The Influence of Intermittent Starvation and of Intermittent Starvation Plus Nuceic Acid on the Growth and Longevity of the White Mouse," *Australian Journal of Experimental Biology and Medical Science* 12(I): 33– 45.
- Robinette, W. Leslie, et al. 1957. "Differential Mortality by Sex and Age among Mule Deer," *The Journal of Wildlife Management* 21(January): 1–16.
- Robinson, John G. 1988. "Demography and Group Structure in Wedge-Capped Capuchin Monkeys, *Cebus Olivaceus*," *Behavior* 104: 202–31. Cited in John M. Allman, Aaron Rosen, Roshan Kumar, et al. 1998. "Parenting and Survival in Anthropoid Primates: Caretakers Live Longer," *Proceedings of the National Academy of Sciences* 95(12): 6866–9.
- Rockstein, Morris. 1957. "Longevity of Male and Female House Flies," *Journal of Gerontology* 12(3): 253–256.
- ——. 1974. "The Genetic Basis for Longevity." In *The*oretical Aspects of Aging, ed. Morris Rockstein. New York: Academic Press.
- Rockstein, Morris and Harry M. Lieberman. 1959. "A Life Table for the Common House Fly, *Musca domestica*," *Gerontologia* 3(1): 23–36.
- Rogers, Richard G., Robert A. Hummer, and Charles B. Nam. 1999. "The Sex Differential in Mortality." In *Living*

and Dying in the USA: Behavioral, Health, and Social Differences of Adult Mortality. San Diego: Academic Press.

- Rosenberg, Marjorie and Warren Luckner. 1998. "Summary of Results of Survey of Seminar Participants," *North American Actuarial Journal* 2(4): 64–82.
- Rosenfeld, Albert. 1972. "Why Men Die Younger," *Reader's Digest* (November): 121–4. Condensed from *Star, Sunday Magazine of the Kansas City Star* October 15, 1972.
- Rowley, Ian and Eleanor Russell. 1989. "Splendid Fairy-Wren." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Ruzicka, Lado T. and Alan D. Lopez. 1983. "Sex Differentials in Mortality: Conclusions and Prospects," in Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.
- Salonen, J. T., et al. 1998. "Donation of Blood is Associated with Reduced Risk of Myocardial Infarction: The Kuopio Ischaemic Heart Disease Risk Factor Study," *American Journal of Epidemiology* 148(5): 445–51.
- Sass, B., L. S. Rabstein, R. Madison, et al. 1975. "Incidence of Spontaneous Neoplasms in F344 Rats throughout the Natural Life Span," *Journal of the National Cancer Institute* 54: 1449–56. Cited in Committee on Animal Models for Research on Aging. 1981. *Mammalian Models for Research on Aging*. Washington, DC: National Academy Press.
- Scheinfeld, Amram. 1950. The New You and Heredity. Philadelphia: J. B. Lippincott Co.
- ——. 1958. "The Mortality of Men and Women," *Scientific American* 198(2): 22–7.
- ——. 1965. *Your Heredity and Environment*. Philadelphia: J. B. Lippincott Co.
- Schmidt, Wolfgang and Robert E. Popham. 1980. "Sex Differences in Mortality: A Comparison of Male and Female Alcoholics," *Research Advances in Alcohol and Drug Problems* 5: 365–84.
- Schuman, Leonard M. 1977. "Patterns of Smoking Behavior." In *Research on Smoking Behavior*, ed. Murray E. Jarvik et al. NIDA Research Monograph 17, U.S. Department of Health, Education, and Welfare publication No. (ADM) 78-581: 36–66.
- Sewell, R. B. S. 1924. "Observations on Growth in Certain Molluscs and on the Changes Correlated with Growth in the Radula of *Pyrazus palustris*," *Records Indian Museum* (*Calcutta*) 27: 529–48. Cited in Alex Comfort. 1957. "The Duration of Life in Molluscs," *Proceedings of the Malacological Society of London* 32(Part 6, December): 219–41.
- Shapiro, Sam. 1954. "Influence of Birth Weight, Sex and Plurality on Neonatal Loss in the United States," Ameri-

can Journal of Public Health 44: 1142–53. Cited in Philip E. Enterline. 1960. "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.

- Shapiro, Sam, Edward R. Schlesinger, and Robert E. L. Nesbitt Jr. 1968. *Infant, Perinatal, Maternal, and Childhood Mortality in the United States*. Cambridge, MA: Harvard University Press.
- Shkolnikov, Vladimir M. and Alexander Nemtsov. 1997. "The Anti-Alcohol Campaign and Variations in Russian Mortality." In *Premature Death in the New Independent States*, ed. José Luis Bobadilla, Christine A. Costello, and Faith Mitchell. Washington, DC: National Academy Press.
- Simms, H. S. 1967. "Longevity Studies in Rats. I. Relation between Life Span and Age of Onset of Specific Lesions." In *Pathology of Laboratory Rats and Mice*, ed. E. Cotchin and F. J. C. Roe. Oxford: Blackwell Scientific Publications and Philadelphia: F. A. Davis Company. Cited in Committee on Animal Models for Research on Aging. 1981. *Mammalian Models for Research on Aging*. Washington, DC: National Academy Press.
- Skutch, Alexander F. 1976. *Parent Birds and Their Young*. Austin and London: University of Texas Press.
- Smith, David W. E. 1989. "Is Greater Female Longevity a General Finding among Animals?" *Biological Reviews* 64: 1–12.
- ------. 1993. *Human Longevity*. New York and Oxford: Oxford University Press.
- Smith, David W. E. and Huber R. Warner. 1989. "Does Genotypic Sex Have a Direct Effect on Longevity?" *Experimental Gerontology* 24(4): 277–88.
- Smith, Stephen M. 1994. "Statistical Scrotal Effect," Scientific Correspondence in *Nature* 368(6471): 501–2.
- Society of Actuaries. 1969. "Mortality Trends," Transactions of the Society of Actuaries 21: D895–910.
- ——. 1982. 1975–80 U.S. Society of Actuaries Basic Mortality Tables. In Society of Actuaries Mortality Tables Library. Online at http://www.soa.org/tablemgr/tablemgr.html.
- ——. 1985. "Report of the Task Force in Smoker/Nonsmoker Mortality," *Transactions of the Society of Actuaries: 1982 Reports of Mortality and Morbidity Experience.*
- Sorenson, Glorian and Terry Pechacek. 1986. "Occupational and Sex Differences in Smoking and Smoking Cessation," *Journal of Occupational Medicine* 28(5): 360–4.
- Sørenson, Thorkild I. A., et al. 1988. "Genetic and Environmental Influences on Premature Death in Adult Adoptives," *The New England Journal of Medicine* 318(12): 727–32.
- Sowder, Wilson T. 1952. "The Fragile Male," *The Journal* of the Florida Medical Association 38: 553–4. Reprinted in Sowder, Wilson T., James O. Bond, Everett H. Williams Jr., et al. 1966. *Man to Man Talk about Women and Men.* Monograph Series No. 10, Jacksonville: Florida State Board of Health.

——. 1954. "Why is the Sex Difference in Mortality Increasing?" *Public Health Reports* 69(9): 860–4.

- Sowder, Wilson T. and James O. Bond. 1956. "Problems Associated with the Increasing Ratio of Male over Female Mortality," *Journal of the American Geriatrics Society* 4(10), reprinted in Sowder, Wilson T., James O. Bond, Everett H. Williams, Jr., et al. 1966. *Man to Man Talk about Women and Men*. Monograph Series No. 10, Jacksonville: Florida State Board of Health.
- Statistics Canada. 1974. *Life Tables, Canada and Provinces,* 1970–1972. Catalogue no. 84–532. Ottawa, ON: Statistics Canada.
- ——. 1984. Life Tables, Canada and Provinces, 1980– 1982. Catalogue no. 84–532. Ottawa, ON: Statistics Canada.
- ——. 1994. Life Tables, Canada and Provinces, 1990– 1992. Catalogue no. 84–537. Ottawa, ON: Statistics Canada.
- ———. 1996. Mortality—Summary List of Causes, 1994. Catalogue no. 84–209-XPB. Ottawa, ON: Statistics Canada.
- Stephens, M. N. 1952. "Seasonal Observations on the Wild Rabbit (Oryctolagus cuniculus cuniculus L.) in West Wales," Proceedings of the Zoological Society of London 122: 417–34. Cited in Robert L. Trivers. 1972. "Parental Investment and Sexual Selection." In Sexual Selection and the Descent of Man: 1871–1971, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- Sternberg, Helmut. 1989. "Pied Flycatcher." In *Lifetime Reproduction in Birds*, ed. Ian Newton. London: Academic Press.
- Sterling, T. D. and J. J. Weinkam. 1978. "Smoking Patterns by Occupation, Industry, Sex, and Race," Archives of Environmental Health 33(6): 313–7.
- Substance Abuse and Mental Health Services Administration, Office of Applied Studies. 1998. *National Household Survey on Drug Abuse: Population Estimates 1997*. Rockville, MD: Department of Health and Human Services.
- Suda, Keizo. 1973. Hida O-jiin kakocho no kenkyu: Kakocho o tsujite kansatsushita Hida sonraku ni okeru Tokugawa chuki yori genzai ni itaru minzoku eiseigakuteki kenkyu [On Vital and Health Statistics in the Hida Village from the Middle of the Edo Period to Present Observed by the Necrology of Ohenji] (written in Japanese). Cited in Shigekazu Hishinuma. 1976. "Historical Review on the Longevity of the Human Beings," Transactions of the 20th International Congress of Actuaries in Tokyo 5: 251– 61 and accompanying book, Institute of Actuaries of Japan.
- Sullivan, Jerome L. 1996. "Iron Versus Cholesterol— Perspectives on the Iron and Heart Disease Debate," *Journal of Clinical Epidemiology* 49(12): 1345–52.
- Suplee, Curt. 2000. "'Fight or Flight' Isn't the Way Women React to Stress, New Study Shows," *The Washington Post*. Reprinted in *The Seattle Times/Seattle Post-Intelligencer*. Sec A (May 21): A1.
- Taber, Richard D. and Raymond F. Dasmann. 1954. "A Sex Difference in Mortality in Young Colombian Black-Tailed Deer," *Journal of Wildlife Management* 18(July): 309–15.

- Talal, Norman, ed. 1979. "Sex Factors, Steroid Hormones, and the Host Response: Proceedings of the Kroc Foundation Conference, February 12–16, 1979, Santa Ynez Valley, California," *Arthritis and Rheumatism* 22(11).
- Teitelbaum, Michael. S. 1971. "Male and Female Components of Perinatal Mortality: International Trends, 1901– 63," *Demography* 8(4): 541–8.
- Thomas, R. and J. Huxley. 1927. *Journal of Genetics* 18: 233–46. Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Tickle, Leonie. 1997. *The Sex Differential in Mortality Rates and Underlying Factors*. Actuarial Studies and Demography Research Paper Series 4. Sydney: Macquarie University.
- Tillinghast. 1987. *Principal Mortality Tables: Old and New.* Atlanta: Towers Perrin.
- Tinkle, D. W. 1967. "The Life and Demography of the Side-Blotched Lizard, Uta stanburiana," Miscellaneous Publications of the Museum of Zoology, University of Michigan 132: 1–182. Cited in Robert L. Trivers. 1972.
 "Parental Investment and Sexual Selection." In Sexual Selection and the Descent of Man: 1871–1971, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- Tomasson, Richard F. 1984. "The Components of the Sex Differential in Mortality in Industrialized Populations, 1979–1981: Swedes, U.S. Whites and U.S. Blacks" *Comparative Social Research* 7: 287–311.
- Torday, John S., et al. 1981. "Sex Differences in Fetal Lung Maturation," *American Review of Respiratory Disease* 123(2): 205–8.
- Tosafot of Babylonian Talmud. c1100–1300. Ketubot 83(b). Translated by Harry I. Klaristenfeld.
- Treml, Vladimir G. 1997. "Soviet and Russian Statistics on Alcohol Consumption and Abuse," in *Premature Death in the New Independent States*, ed. José Luis Bobadilla, Christine A. Costello, and Faith Mitchell. Washington DC: National Academy Press.
- Tribe, M. A. 1967. "Life Tables for the w-mutant Calliphora erythrocephala," Experimental Gerontology 2(3): 183–5.
- Tricomi, Vincent, et al. 1960. "The Ratio of Male to Female Embryos as Determined by the Sex Chromatin," *American Journal of Obstetrics and Gynecology* 29(3): 504–9.
- Trivers, Robert L. 1972. "Parental Investment and Sexual Selection." In Sexual Selection and the Descent of Man: 1871–1971, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- Troup, G. M., G. S. Smith, and Roy L. Walford. 1969. "Life Span, Chronologic Disease Patterns, and Age-related Changes in Relative Spleen Weights for the Mongolian Gerbil (*Meriones unguiculatus*)," *Experimental Gerontology* 4(3): 139–43.
- Trowbridge, Charles L. 1995. "Mortality Rates by Marital Status," *Transactions of the Society of Actuaries* 46: 321–89.

- Tuomainen, Tomi-Pekka, Kari Punnonen, Kristiina Nyyssönen, et al. 1998. "Association Between Body Iron Stores and the Risk of Acute Myocardial Infarction in Men," *Circulation* 97(15): 1461–6.
- Tyndale-Biscoe, C. H. and R. F. C. Smith. 1969. "Studies on the Marsupial Glider, *Schoinobates volans* (Kerr). 2.
 Population Structure and Regulatory Mechanisms," *Journal of Animal Ecology* 38: 637–50. Cited in Robert L.
 Trivers. 1972. "Parental Investment and Sexual Selection" In *Sexual Selection and the Descent of Man: 1871– 1971*, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- U.S. Bureau of the Census. 1975. *Historical Statistics of the United States: Colonial Times to 1970*. Bicentennial ed. Part 1. Washington, DC: U.S. Government Printing Office.
- . 1984. "Projections of the Population of the United States by Age, Sex, and Race: 1983–2080," *Current Population Reports* Series P-25(952). Washington, DC: U.S. Government Printing Office. Cited in Barnet N. Berin, George J. Stolnitz, and Aaron Tenenbein. 1990. "Mortality Trends of Males and Females over the Ages," *Transactions of the Society of Actuaries* 41: 9–32.
- . 1998. *Statistical Abstract of the United States: 1998*. 118th ed. Washington, DC: U.S. Government Printing Office.
- U.S. Department of Health and Human Services. 1985. *The Health Consequences of Smoking: Cancer and Chronic Lung Disease in the Workplace, A Report of the Surgeon General.* Washington, DC: U.S. Government Printing Office.
- ------. 1988. The Health Consequences of Smoking: Nicotine Addiction, A Report of the Surgeon General. Washington, DC: U.S. Government Printing Office.
- U.S. Department of Health, Education, and Welfare. 1979. Smoking and Health: A Report of the Surgeon General. Washington, DC: U.S. Government Printing Office.
- United Nations. 1991. "Social Statistics and Indicators," *The World's Women, 1970–1990: Trends and Statistics*. Series
 K, No. 8. New York: United Nations. Cited in Constance
 A. Nathanson. 1995. "Mortality and the Position of Women in Developed Countries." In *Adult Mortality in Developed Countries: From Description to Explanation*, ed. Alan D. Lopez, Graziella Caselli, and Tapani Valkonen, Oxford: Oxford University Press.
- . 1999. Human Development Report for Europe and CIS: Transition. Sales No. E.99.III.B.6.The Regional Bureau for Europe and the CIS of the United Nations Development Programme.
- United Nations Population Division (Larry Heligman). 1983.
 "Patterns of Sex Differentials in Mortality in Less Developed Countries." In Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.

- United Nations Population Fund. 1998. The State of World Population 1998: The New Generations.
- Valkonem, Tapani. 1993. Socio-Economic Mortality Differences in Europe. Presented as a lecture under the Auspices of the Social Science Council (SWR) of the Royal Netherlands Academy for Arts and Sciences (KNAW), NIDI Hofstee Lecture Series, Amsterdam, March 11.
- Vallin, Jacques. 1991. "Mortality in Europe from 1720 to 1914: Long-Term Trends and Changes in Patterns by Age and Sex." In *The Decline of Mortality in Europe*, ed. R. Schofield, D. Rehar, and A. Bideau. Oxford: Clarendon Press.
- Vallois, H. V. 1937. "La Durée de la Vie chez l'Homme Fossile," Anthropologie 47: 499–532. Cited in György Acsádi and János Nemeskéri. 1970. History of Human Life Span and Mortality. Translated by K. Balás. Budapest: Akadémiai Kiadó.
- Van Cleave, Harley J. and Ray Chambers. 1935. "Studies on the Life History of a Snail of the Genus *Lioplax*," *The American Midland Naturalist* 16(November): 913–19.
- Van Cleave, Harley J. and Ludwig G. Lederer. 1932. "Studies of the Life History of the Snail *Lioplax contectoides*," *Journal of Morphology*. 53(September): 499–522.
- Van Goozen, Stephanie H. M., Peggy T. Cohen-Kettenis, Louis J. G. Gooren, et al. 1995. "Gender Differences in Behaviour: Activating Effects of Cross-Sex Hormones," *Psychoneuroendocrinology* 20(4): 343–63.
- Verbrugge, Lois M. 1983. "The Social Roles of the Sexes and their Relative Health and Mortality," in Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/ UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.
- Wade, Alice H. 1987. "Social Security Area Population Projections 1987," Actuarial Study No. 99, SSA Publication No. 11-11546. Washington, DC: U. S. Department of Health and Human Services. Cited in Barnet N. Berin, George J. Stolnitz, and Aaron Tenenbein. 1990. "Mortality Trends of Males and Females over the Ages," Transactions of the Society of Actuaries 41: 9–32.
- Wadhera, Surinder. 1994. *Selected Mortality Statistics, Canada, 1921–1990.* Catalogue no. 82–548. Ottawa: Statistics Canada.
- Waldron, Ingrid. 1976. "Why Do Women Live Longer Than Men?" Social Science and Medicine 10: 349–62.
- ——. 1983. "The Role of Genetic and Biological Factors in Sex Differences in Mortality." In Sex Differentials in Mortality: Trends, Determinants and Consequences: Selections of the Papers Presented at the ANU/UN/WHO Meeting held in Canberra (Australia) 1–7 December 1981, ed. Alan D. Lopez and Lado T. Ruzicka. Canberra: Department of Demography at the Australian National University; distributed in U.S. by PB Consulting Service.

 and Health: Stress and Opportunities, ed. Marianne Frankenhaeuser, Ulf Lundberg, and Margaret Chesney. New York: Plenum Press: 17–38.

- ——. 1992. "Contributions of Genetic and Environmental Factors to Changing Sex Differentials in Mortality." In *Papers from Seminar on Premature Adult Mortality in Developed Countries: From Description to Explanation*, International Union for the Scientific Study of Population Taormina, Italy, 1–5 June, Vol. 2.
- Waldron, Ingrid, Joan Herold, Dennis Dunn, et al. 1982. "Reciprocal Effects of Health and Labor Force Participation Among Women: Evidence From Two Longitudinal Studies," *Journal of Occupational Medicine* 24(2): 126– 32.
- Walford, Roy L. and Robert K. Liu. 1965. "Husbandry, Life Span, and Growth Rate of the Annual Fish, *Cynolebias adloffi* E. Ahl.," *Experimental Gerontology* 1(2): 161–71.
- Wallace, Julia E. 1996. "Gender Differences in Beliefs of Why Women Live Longer than Men," *Psychological Reports* 79(2): 587–91.
- Wallace, W. 1907. "Report on the Age and Growth Rates of the Plaice in the South North Sea, as Determined by the Investigation of Otoliths," *Report of North Sea Fish Investigation*, 1904–1905. (Part I): 1–47. Cited in Philip E. Enterline. 1960. "A Study of Factors Associated with Male-Female Differentials in Mortality." Ph.D. dissertation, Department of Sociology, American University, Washington, DC.
- ——. 1914. "Report on the Age, Growth, and Sexual Maturity of the Plaice in Certain Parts of the North Sea," *Board of Agriculture and Fisheries (England)*. 2(2). Cited in James B. Hamilton. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Wargentin, Pehr. 1766. Mortaliteten I Sverige, i anledning af Tabell-Verket Handlingar, Kongl., Svenska, Vetenskapsacademiens 27: 1–25. Cited in Fern E. French. 1960. Factors Relating to the Excess Mortality of the Male: A Statistical Investigation, Dr.P.H thesis. University of California, Berkeley.
- Washburn, T. C., D. N. Medearis, and B. Childs. 1965. "Sex Differences in Susceptibility in Infections," *Pediatrics* 35: 57–64. Cited in Marshall J. Graney. 1979. "An Exploration of' Social Factors Influencing the Sex Differential in Mortality," *Sociological Symposium* 28: 1–26.
- Washington, State of, Department of Licensing. 1999. Personal communication.
- Washington State Patrol, Breath Alcohol Test Section. 1999. Personal communication with Sargent Rod Gullberg.
- Weksler, Marc E. 1990. "A Possible Role for the Immune System in the Gender-Longevity Differential." In *Gender, Health, and Longevity: Multidisciplinary Perspectives*, ed. Marcia G. Ory and Huber R. Warner. New York: Springer Publishing Company.

- Wexler, B. C. 1970. "Co-existent Arteriosclerosis, PAN, and Premature Dying," *Journal of Gerontology* 25: 373–80.
 Cited in Committee on Animal Models for Research on Aging. 1981. *Mammalian Models for Research on Aging*.
 Washington, DC: National Academy Press.
- Wiehl, Dorothy G. 1930. "Some Recent Changes in Mortality among Adults," *The Journal of Preventive Medicine* 4: 215–37.

-----. 1938. "Sex Differences in Mortality in the United States," *Milbank Memorial Fund Quarterly* 16: 145–55.

- Wiesner, B. P. and N. M. Sheard. 1934–35. "The Duration of Life in the Albino Rat Population," *Proceedings of the Royal Society of Edinburgh* 55, 1–22. Cited in D. M. Potts. 1970. "Which Is the Weaker Sex?" *Journal of Biosocial Science* (Supplement 2): 147–57.
- Wilkie, A. D. 1984. "Notes on Equal Treatment for Men and Women in Occupational Social Security Schemes," *Journal of the Institute of Actuaries* 111(Part 1): 15–72.
- Williams, Tony D. 1996. "Mate Fidelity in Penguins." In Partnerships in Birds: The Study of Monogamy, ed. Jeffrey M. Black. Oxford: Oxford University Press.
- Wingard, Deborah L. 1980. "The Sex Differential in Mortality Rates: Biological and Social Factors." Ph.D. dissertation in epidemiology. University of California Press, Berkeley.
- ——. 1982. "The Sex Differential in Mortality Rates: Demographic and Behavioral Factors," *American Journal of Epidemiology* 115(2): 205–16.
- Wingard, Deborah L., Lucina Suarez, and Elizabeth Barrett-Conner. 1983. "The Sex Differential in Mortality from All Causes and Ischemic Heart Disease," *American Journal of Epidemiology* 117(2): 165–72.
- Wingfield, John C. 1994. "Hormone-Behavior Interactions and Mating Systems in Male and Female Birds." In *Dif-*

ferences between the Sexes, ed. R. V. Short and E. Balaban. Cambridge, England: Cambridge University Press.

- Women's Health Initiative Study Group, The. 1998. "Design Paper: Design of the Women's Health Initiative Clinical Trial and Observational Study," *Controlled Clinical Trials* 19: 61–109.
- Wood, D. H. 1970. "An Ecological Study of Antechinus stuartii (Marsupialia) in a Southeast Queensland Rain Forest," Australian Journal of Zoology 18: 185–207. Cited in Robert L. Trivers. 1972. "Parental Investment and Sexual Selection." In Sexual Selection and the Descent of Man: 1871–1971, ed. Bernard Grant Campbell. Chicago: Aldine Publishing Company.
- Wood, Kenneth V., James D. Nichols, H. Franklin Percival, et al. 1998. "Size-sex Variation in Survival Rates and Abundance of Pig Frogs, *Rana grylio*, in Northern Florida Wetlands," *Journal of Herpetology* 32(4): 527–535.
- Woolley, G. 1946. Personal communication. In Hamilton, James B. 1948. "The Role of Testicular Secretions as Indicated by the Effects of Castration in Man and by Studies of Pathological Conditions and the Short Lifespan Associated with Maleness," *Recent Progress in Hormone Research, Proceedings of the Laurentian Hormone Conference* 3: 257–322. New York: Academic Press.
- Young, T. E. 1905. On Centenarians; and the Duration of the Human Race. Reissue. London: Charles and Edwin Layton.
- Zurcher, C., M. J. van Zwieten, H. A. Solleveld, and C. F. Hollander. 1982. "Aging Research." In *The Mouse in Biomedical Research*, ed. H. L. Foster, J. D. Small, and J. G. Fox. Vol. 4, 11–35. New York: Academic Press. Cited in Edward J. Masoro. 1990. "Animal Models in Aging Research." In Schneider, Edward L. and John W. Rowe, eds. 1990. *Handbook of the Biology of Aging*. 3d ed. San Diego: Academic Press.