

JAMES F. CROW: CURRICULUM VITAE

Professor Emeritus, University of Wisconsin

Personal: Born January 18, 1916, Phoenixville, PA. Married Ann Crockett, 1941.
Died January 4, 2012, Madison, WI.

Children: Franklin (1943), Laura (1945), Catherine (1947).

Degrees: B.A. Friends University, Wichita, KS, 1937 (Biology and Chemistry).
Ph.D. University of Texas, Austin, 1941 (Zoology)
D. Sci. University of Chicago, 1991 (honorary)
D.Sci. University of Edinburgh (honorary)

Positions Held

Instructor and Assistant Professor, Dartmouth College, 1941-1948
Assistant Professor of Genetics and Zoology, University of Wisconsin, 1948-50
Associate Professor, 1950-54; Professor, 1954-1986
Chairman, Department of Medical Genetics, 1958-1963.
Acting Dean, Medical School, 1963-1965
Chairman, Genetics and Medical Genetics, 1965-1972, 1975-1977
Senior Distinguished Research Professor, 1984-1986
Professor Emeritus, 1986-

Awards and Honors

National Academy of Sciences, 1961
Bascom Professorship Award for Distinguished Service and Teaching, 1965
College of Agricultural and Life Sciences Teaching Award, 1972
UW-Madison Distinguished Teaching Award, 1985
Honorary Member of the of the Japan Academy, 1985
Senior Distinguished Research Professor, 1984
The Thomas Hunt Morgan Medal, Genetics Society of America, 1987
Honorary Doctorate, University of Chicago, 1991
Distinguished Service Award, College of Agricultural and Life Sciences, 1995
Member, The Royal Society, 2000
Honorary Doctorate, University of Edinburgh
UCSD/Merck Life Sciences Achievement Award, 2009

Memberships

National Academy of Sciences
National Academy of Medicine
American Philosophical Society
American Academy of Arts and Sciences
World Academy of Art and Science
Genetics Society of America (Vice President, 1959; President, 1960)
American Society for Human Genetics (President, 1962)
Foreign member: Japan Academy

Honorary member: Genetics Society of Japan.
Fellow: Wisconsin Academy of Sciences, Arts, and Letters
Foreign member: The Royal Society.

Editorial: Genetics, Associate Editor, 1951-1956; Column Editor, 1987- 2010

National Institutes of Health: Advisory Committee to the Director, 1971-1973; Genetics Study Section, 1959-1963; Chairman, 1965-1968. Genetics Training Grant Committee, 1980-1983. Mammalian Genetics Study Section, 1984-1988; Chairman, 1986-1988.

National Institute of Justice. National Commission on the Future of DNA Testing. Chairman of Research and Development Working Group, 1998-2000.

Department of Energy: Health and Environmental Research Advisory Committee, 1985-1988.

Jackson Laboratory, Bar Harbor, Maine: Board of Scientific Overseers, 1961-1988.

National Academy of Sciences:

Committee on Effects of Atomic Radiation, 1955-1963; Chairman, 1960-1963.
Committee on Biological Effects of Ionizing Radiation, Chairman of Genetics Section, 1969-1972. Committee on Nuclear and Alternative Energy Systems, Chairman of Risk/Impact Panel, 1977-1982. Committee on Chemical Environmental Mutagens, Chairman 1979-1983. Scientific Advisory Committee, Radiation Effects Research Foundation (Hiroshima), 1975-1983. Committee for Scholarly Communication with the People's Republic of China, Science and Engineering Committee, 1983-1985. Committee on DNA Technology in Forensic Science, Chairman, 1994-96.

Hobby: Music

Madison Symphony Orchestra, 1949-1994; President, 1984-1986.
Madison Civic Music Association, President, 1973-1974.

JAMES F. CROW PUBLICATIONS

Books

Crow, J. F. 1950, 1951, 1955, 1960, 1963, 1966, 1976, 1983. *Genetics Notes*. 8th ed. 1983. Burgess Pub. Co (now Pearson Custom Publishing).

Crow, J. F., and M. Kimura. 1970. *An Introduction to Population Genetics Theory*. Harper and Row. Reprinted, 1977, Burgess Pub. Co. Reprinted 2009, Blackurn Press, Caldwell, NJ

Crow, J. F. 1986. *Basic Concepts in Population, Evolutionary, and Quantitative Genetics*. Freeman Pub. Co.

*Crow, J. F. et al. 1996. *The Evaluation of Forensic DNA Evidence*. National Academy Press.

*Crow, J. F. et al. 1998. *The Future of DNA Testing. Predictions of the Research and Development Working Group*. National Institute of Justice.

Articles

Cumley, R. W., J. F. Crow, and A. B. Griffen. 1939. Clearing specimens for the demonstration of bone. *Stain Tech.* 14: 7-11.

Patterson, J. T., and J. F. Crow. 1940. Hybridization in the mulleri group of *Drosophila*. *Univ. Texas Pub.* 4032: 251-256.

Crow, J. F. 1941. Interspecific relationships in the *Drosophila mulleri* group. (Thesis)

Crow, J. F. 1942. Cross fertility and isolating mechanisms in the *Drosophila mulleri* group. *Univ. Texas Pub.* 4228: 53-67.

Crow, J. F. 1945. A chart of the χ^2 and t distributions. *J. Amer. Stat. Assoc.* 40: 376 + insert.

Crow, J. F. 1946. The absence of a primary sex factory on the X-chromosome of *Drosophila*. *Amer. Natur.* 80: 663-665.

Crow, J. F. 1948. The effect of atomic bombs on our posterity. *The Dartmouth Quarterly* . 22 (2): 2-6.

- Crow, J. F. 1948. A consequence of the dominance hypothesis of hybrid vigor. *Genetics* 33: 101 (Abstract)
- Crow, J. F. 1948. Differences in susceptibility to ether in the *virilis* group of *Drosophila*. *Genetics* 33: 102. (Abstract)
- Crow, J. F. 1948. Alternative hypotheses of hybrid vigor. *Genetics* 33: 477-487.
- Crow, J. F. 1949. Drug resistance in closely related *Drosophila* species and their hybrids. *Rpt. of Comm. on Research, Amer. Phil. Soc.* Pp. 154-156.
- Crow, J. F., and W. C. Roberts. 1950. Inbreeding and homozygosis in bees. *Genetics* 35: 612-621.
- Norton, S, H. R. Wolfe, and J. F. Crow. 1950. Effect of injections of soluble antigen on the spleen size and antibody production in chickens. *Anat. Rec.* 107: 133-148.
- Crow, J. F. 1950. Biometrical genetics, by K. Mather. *J. Amer. Stat. Assn.* 45: 571-573. (Book review)
- Crow, J. F. 1950. An introduction to population genetics, by C. C. Li. *Amer. J. Hum. Genet.* 2: 279-280. (Book review)
- Emlen, J. T., and J. F. Crow. 1951. A test for increased resistance in a chronically poisoned mouse population. *Amer. J. Hygiene* 54: 71-75.
- Weiner, R., and J. F. Crow. 1951. The resistance of DDT-resistant *Drosophila* to other insecticides. *Science* 113: 403-404.
- Crow, J. F. 1951. Genetics: a survey of the principles of heredity. *Science* 114: 507-8. (Book review)
- Crow, J. F. 1952. Some genetic aspects of selection for resistance. *Conference on Insecticide Resistance and Insect Physiology. Nat.l. Acad. Sci./Natl. Res. Coun.* Pp. 72-95.
- Crow, J. F. 1952. Dominance and overdominance. In *Heterosis*, J. W. Gowen, ed. Iowa State College Press. Pp. 282-297.
- Clark, N., and J. F. Crow. 1953. Mouths to feed. In *The Challenge of our Times*, ed by F. Daniels and T. M. Smith. Burgess Pub. Co. Pp. 116-127.
- Crow, J. F. 1953. Theoretical considerations of reciprocal recurrent selection and recurrent selection compared to other breeding methods. *Poultry Breeders Roundtable.* (Unpublished)

Crow, J. F. 1954. Analysis of a DDT-resistant strain of *Drosophila*. *J. Econ. Entom.* 47: 393-398.

Crow, J. F. 1954. Breeding structure of populations. II. Effective population number. In *Statistics and Mathematics in Biology*. O. Kempthorne, T. A. Bandroft, J. W. Gowen, and J. L. Lush, eds. Pp. 543-556.

Crow, J. F. 1954. Random mating with linkage in polysomics. *Amer. Natur.* 88: 431-434.

Crow, J. F., and N. E. Morton. 1955. Measurement of gene frequency drift in small populations. *Evolution* 9: 202-214.

Crow, J. F. 1955. A comparison of fetal and infant death rates in the progeny of radiologists and pathologists. *Amer. J. Roent. & Radium Ther.* 73: 467-471.

Crow, J. F. 1955. General theory of population genetics: Synthesis. *Cold Spring Harbor Symp. Quant. Biol.* 20: 54-59.

Crow, J. F. 1955. Genetic Homeostasis, by I. M. Lerner. *J. Amer. Vet. Med. Assn.* 127: 159 (Book review)

Crow, J. F., and M. Kimura. 1956. Some genetic problems in natural populations. *Proc. 3rd Berkeley Symp. Math. Stat. & Prob.* 4: 1-22.

Morton, N. E., J. F. Crow, and H. J. Muller. 1956. An estimate of the mutational damage in man from data on consanguineous marriages. *Proc. Natl. Acad. Sci.* 42: 855-863.

Crow, J. F. 1956. The estimation of spontaneous and radiation-induced mutation rates in man. *Eugenics Quart.* 3: 201-208.

Crow, J. F. 1957. Possible consequences of an increased mutation rate. *Eugenics Quart.* 4: 67-80.

Crow, J. F. 1957. Genetic considerations in establishing maximum radiation doses. *Radiology* 69: 18-22.

Crow, J. F. 1957. Statement to Special Committee on Radiation (Chet Holifield, chmn.), Joint Committee on Atomic Energy. Part 2: 1009-1028.

Crow, J. F. 1957. The effect of exposure to the atomic bombs on pregnancy termination in Hiroshima and Nagasaki, by J. V. Neel and W. J. Schull. *Amer. J. Hum. Genet.* 9: 224-226. (Book review)

- Crow, J. F. 1957. Genetics of DDT resistance in *Drosophila*. *Proc. Intern. Genet. Symp.*, 1956. Pp. 408-409.
- Crow, J. F. 1957. Genetics of insect resistance to chemicals. *Ann. Rev. Entom.* 2: 227-246.
- Crow, J. F. 1957. Effects of radiation and fallout. *Public Affairs Pamph.* 256: 1-28.
- Crow, J. F. 1958. Some possibilities for measuring selection intensities in man. *Human Biol.* 30: 1-13.
- Crow, J. F. 1958. Genetic effects of radiation. *Bull. Atomic Scient.* 14 (1): 19-22.
- Crow, J. F. 1959. Genetics in medicine and public health. *1959 Trans. Pacific Coast Oto-Ophthalm. Soc.* Pp. 21-32.
- Crow, J. F. 1959. Population aspects: Assessing the impact on future generations of an increased mutation rate. In *Genetics, Radiobiology and Radiology*, W. Scott and T. Evans, eds. Pp. 71-80.
- Crow, J. F. 1959. Statement to Special Subcommittee on Radiation, Joint Congressional Committee on Atomic Energy. Vol 2: 1563-1565.
- Crow, J. F. 1959. Ionizing radiation and evolution. *Scient. Amer.* 201: 138-160.
- Crow, J. F. 1959. Darwin's influence on the study of genetics and the origin of life. *Univ. Tex. Pub.* 5914: 49-55.
- Crow, J. F. 1959. The atomic age and our biological future, by H. V. Bronstad. *Science* 129: 1272. (Book review)
- Crow, J. F. 1960. Several articles for World Book Encyclopedia.
- Crow, J. F. 1960. Genetics of insecticide resistance: General considerations. *Misc. Publ. Entom. Soc. Amer.* 2: 69-74.
- Crow, J. F. 1960. Radiation, genes, and man. *Amer. J. Human Genet.* 12: 374-377. (Book review)
- Crow, J. F., and N. E. Morton. 1960. The genetic load due to mother-child incompatibility. *Amer. Natur.* 44: 413-419.
- Crow, J. F. 1960. Radiation and future generations. In *Fallout*, J. Fowler, ed. Pp. 92-105.

Greenberg, R., and J. F. Crow. 1960. A comparison of the effect of lethal and detrimental chromosomes from natural populations. *Genetics* 45: 1153-1168.

Crow, J. F. 1960. Physical and genetic effects of radiation. *Quart. Bull. Wisc. State Board of Health* . 14 (11): 28-30.

Crow, J. F. 1960. Statement to Special Subcommittee on Radiation of the Joint Committee on Atomic Energy. Pp. 220-227.

Crow, J. F. 1960. The genetic basis of selection, by I. M. Lerner. *Science* 131: 979-980. (Book review)

Brues, A., J. Crow, E. B. Lewis, K. Z. Morgan, W. S. Snyder, C. Powell, F. Seitz, F. Western, and H. L. Friedell. 1960. Somatic radiation dose for the general population. *Science* 131: 482-486.

Hiraizumi, Y., and J. F. Crow. 1960. Heterozygous effects on viability, fertility, rate of development, and longevity of *Drosophila* chromosomes that are lethal when homozygous. *Genetics* 45: 1071-1083.

Hiraizumi, Y., L. Sandler, and J. F. Crow. 1960. Meiotic drive in natural populations of *Drosophila melanogaster*. III. Populational implications of the Segregation-Distorter locus. *Evolution* 14: 433-444.

Crow, J. F. 1961. Mutation and selective balance as factors influencing population fitness. In *Molecular Genetics and Human Disease*, L. Gardner, ed. Pp. 204-211.

Crow, J. F. 1961. Population genetics. *Amer. J. Human Genet.* 13: 137-150.

Crow, J. F. 1961. Mutation in man. *Prog. in Med. Genet.* 1: 1-26.

Crow, J. F. 1961. Mechanisms and trends in human evolution. *Daedalus* 90: 416-431.

Crow, J. F. 1961. Genetic drift. In *The Encyclopedia of the Biological Sciences*. Pp. 427-428.

Crow, J. F., C. Thomas, and L. Sandler. 1962. Evidence that Segregation-Distortion phenomenon in *Drosophila* involves chromosome breakage. *Proc. Natl. Acad. Sci.* 48: 1307-1314.

Crow, J. F. 1962. Population genetics: Selection. In *Methodology in Human Genetics* , ed by W. Burdette. Holden-Day. Pp. 53-75.

Crow, J. F. 1962. Principles of human genetics, by C. Stern. *Quart. Rev. Biol.* 43-44. (Book review)

Crow, J. F. 1962. Introduction to quantitative genetics, by D. S. Falconer. *Human Biol.* 34: 163-164. (Book review)

Crow, J. F. 1963. The concept of genetic load: A reply. *Amer. J. Human Genet.* 15: 310-315.

Kimura, M., T. Maruyama, and J. F. Crow. 1963. The mutation load in small populations. *Genetics* 48: 1305-1312.

Kimura, M., and J. F. Crow. 1963. The measurement of effective population number. *Evolution* 17: 279-288.

Crow, J. F. 1963. Citation for H. J. Muller. *The Humanist.* No. 5, P. 157.

Kimura, M., and J. F. Crow. 1963. On the maximum avoidance of inbreeding. *Genet. Res., Camb.* 4: 399-415.

Crow, J. F., and M. Kimura. 1963. The theory of genetic loads. *Proc. XI Intern. Cong. Genet.* Pp. 495-506.

Crow, J. F. 1963. New ideas in genetics. *3rd Ann. Junior Science Symp., Univ. Wisc.* Pp. 27-29.

Kimura, M., and J. F. Crow. 1964. The number of alleles that can be maintained in a finite population. *Genetics* 49: 725-738.

Crow, J. F., and R. G. Temin. 1964. Evidence for the partial dominance of recessive lethal genes in natural populations of *Drosophila*. *Amer. Natur.* 98: 21-33.

Crow, J. F. 1964. More on the heterozygous effects of lethals in *Drosophila* populations. *Amer. Natur.* 98: 447-449.

Crow, J. F. 1964. Population genetics studies. *2nd Inter. Congr. Congen. Malform.* Pp. 314-322.

Crow, J. F. 1964. Genetic counseling. *Quart. Bul. Wisc. State Board of Health.* 16 (6): 10-13.

Crow, J. F. 1965. Problems of ascertainment in the analysis of family data. In *Genetics and the Epidemiology of Chronic Diseases, U. S. Pub. Health Serv. Pub. No. 1163.* Pp. 23-44.

Crow, J. F. 1965. Formal and population genetics. *Trans. Amer. Acad. Ophthal. & Otolaryn.* Pp. 17-25.

Crow, J. F. 1965. Haldane and population genetics. *Science Reporter , New Delhi.* 2: 488-490.

Crow, J. F., and M. Kimura. 1965. Evolution in sexual and asexual populations. *Amer. Natur.* 99: 439-450.

Crow, J. F., and S. Abrahamson. 1965. Genetic effects of ionizing radiation. In *The Science of Ionizing Radiation*, L. E. Etter, ed. Pp. 263-287.

Crow, J. F. 1965. Modifying man: Muller's eugenics and Lederberg's euphenics. *Science* 148: 1579-1580. (Book reviews)

Crow, J. F. 1965. Measurement of inbreeding from the frequency of marriages between persons of the same surname. *Eugen. Quart.* 12: 199-203.

Crow, J. F. 1965. Genetics. In *Listen to Leaders in Science*, A. Love and J. S. Childers, eds. Tupper and Love. Pp. 161-175.

Crow, J. F. 1966. The quality of people: Human evolutionary changes. *BioScience* 16: 863-867.

Crow, J. F. 1966. Evolution of resistance in hosts and pests. In *Scientific Aspects of Pest Control*. NAS/NRC Publ. 1402: 263-275.

Crow, J. F. 1966. The evolution of resistance in hosts and pests. *Ag. Chem.* Pp. 31-32.

Crow, J. F. 1966. A history of genetics, by A. H. Sturtevant. *BioScience* Pp. 625-626.

Crow, J. F. 1966. Genetics. *Science Year*. Pp. 314-317.

Crow, J. F., and Y. J. Chung. 1967. Measurement of effective generation length in *Drosophila* population cages. *Genetics* 37:951-955.

Crow, J. F., J. V. Neel, and C. Stern. 1967. Racial studies: Academy states position on call for new research. *Science* 158: 892-893.

Crow, J. F. 1967. On human evolution, external and internal. *Bull. Atomic Scient.* 23 (2) (book review).

Crow, J. F. 1967. Genetics and medicine. In *Heritage from Mendel*, R. A. Brink, ed. Pp. 351-374.

Crow, J. F. 1967. Heredity and evolution. In *Scientific Progress and Human Values*, E. Hutchings, ed. American Elsevier. Pp. 80-94.

Hartl, D. L., Y. Hiraizumi, and J. F. Crow. 1967. Evidence for sperm dysfunction as the mechanism of segregation distortion in *Drosophila melanogaster*. *Proc. Natl. Acad. Sci.* 58: 2240-2245.

Crow, J. F. 1967. Genetics. *Science Year*. Pp. 299-301.

Crow, J. F. et al. 1968. Ad hoc committee on the role of students in the government of the University. Report to the University Committee.

Crow, J. F. 1968. Chemical risk to future generations. *Science and Citizen* 10: 113-117.

Crow, J. F. 1968. Rates of genetic change under selection. *Proc. Natl. Acad. Sci.* 59: 655-661.

Crow, J. F. 1968. Some analyses of hidden variability in *Drosophila* populations. In *Population Biology and evolution*. Pp. 71-86.

Crow, J. F., and J. Felsenstein. 1968. The effect of assortative mating on the genetic composition of a population. *Eugen. Quart.* 15: 85-97.

Crow, J. F. 1968. The cost of evolution and genetic loads. In *Haldane and Modern Biology*, K. Dronamraju, ed. Johns Hopkins Press. Pp. 165-178.

Crow, J. F. 1969. Remarks prepared for the dedication of Patterson Hall. (Unpublished)

Crow, J. F. 1969. Dedication (to Wilson Stone). *Studies in Genetics, V*. Univ. Texas.

Crow, J. F. 1969. Evolution, heredity, and eugenics. In *Genetic Engineering*, D. Paterson, ed. BBC Pubs. Pp. 7-16.

Kimura, M., and J. F. Crow. 1969. Natural selection and gene substitution. *Genet. Res., Camb.* 13: 127-141.

Crow, J. F. 1969. Genetic theories and influences: Comments on the value of diversity. *Harvard Educ. Rev.* 39: 301-309.

Crow, J. F., and M. Kimura. 1969. Evolution in sexual and asexual populations: A reply. *Amer. Natur.* 103: 89-93.

Crow, J. F. 1969. The cost of evolution and genetic loads. In *Haldane and Modern Biology*, K. Dronamraju, ed. Pp. 165-178.

Crow, J. F. 1969. Molecular genetics and population genetics. *Proc. XII Intern. Congr. Genetics* . 3: 105-113.

Temin, R. G., H. U. Meyer, P. S. Dawson, and J. F. Crow. 1969. The influence of epistasis on homozygous viability depression in *Drosophila melanogaster*. *Genetics* 61: 497-519.

Crow, J. F. 1969. Heredity, Evolution and Society, by I. M. Lerner. *Amer. J. Phys. Anthropol.* 34: 456-457. (Book review)

Crow, J. F. 1970. Genetic loads and the cost of natural selection. In *Mathematical Topics in Population Genetics* , K. I. Kojima, ed. 1: 128-177.

Crow, J. F., R. Lewontin, and G. L. Stebbins. 1970. Heredity and Evolution. In *Biology and the Future of Man* , P. Handler, ed. Oxford Univ. Press. Pp. 474-497.

Crow, J. F. 1970. Le coefficient de parenté. *Science* 168: 721. (Book review)

Crow, J. F. 1970. Genetic and biometric foundations, S. Wright. *Amer. Scient.* 58: 550. (Book review)

Crow, J. F. 1970. Do genetic factors contribute to poverty?

Crow, J. F. 1970. The fundamental theorem of natural selection reconsidered. *Proc. 18th Ann. Poultry Breeders Roundtable*. Pp. 35-60.

Feldman, M. W., and J. F. Crow. 1970. On quasilinkage equilibrium and the fundamental theorem of natural selection. *Theor. Pop. Biol.* 1: 371-391.

Crow, J. F., and T. Maruyama. 1971. The number of neutral alleles maintained in a finite, geographically structured population. *Theor. Pop. Biol.* 2: 437-453.

Crow, J. F. 1971. The effects of a changing environment on man's genetic future. *Bioscience* 21: 107.

Crow, J. F. 1971. A lethal legacy. *Science Year* . Pp. 95-105.

Crow, J. F. 1971. Human population monitoring. In *Chemical Mutagens. Principles and Methods for Their Detection* . A. Hollaender, ed. Pp. 591-605.

Crow, J. F. 1971. Genetic hazards due to environmental mutagens. In *Drugs of Abuse* . S. Epstein, ed. M.I.T. Press. Pp. 113-119.

Crow, J. F., and S. Abrahamson. 1971. *Drosophila* methods for mutagenicity testing. In *Drugs of Abuse*, S. Epstein, ed. M.I.T. Press. Pp. 136-139.

Mukai, T., S. I. Chigusa, L. E. Mettler, and J. F. Crow. 1972. Mutation rate and dominance of genes affecting viability in *Drosophila melanogaster*. *Genetics* 72: 335-355.

Crow, J. F., and M. Kimura. 1972. The effective number of a population with overlapping generations: A correction and further discussion. *Amer. J. Human Genet.* 24: 1-10.

Crow, J. F. 1972. Some effects of relaxed selection and mutation. Proc. 4th Inter. Congr. Hum. Genet. (Excerpta Medica, Amsterdam)

Crow, J. F. 1972. The dilemma of nearly neutral mutations: How important are they for evolution and human welfare? *J. Hered.* 63: 306-316.

Crow, J. F. 1972. Some dilemmas in the assessment of radiation genetic risks. Tenth Failla Lecture. (Unpublished)

Crow, J. F. 1972. Radiation and chemical mutagens: A problem in risk estimation. In *Perspectives on Benefit-Risk Decision Making*. Nat. Acad. Engineering. Pp. 56-58.

Crow, J. F. et al. 1972. Genetic effects of ionizing radiation. In *The Effects on Populations of Exposure to Low Levels of Ionizing Radiation. Report of the Advisory Committee on the Biological Effects of Ionizing Radiations*. National Academy of Sciences. Pp. 42-72.

Frelinger, J. A., and J. F. Crow. 1973. Transferrin polymorphism and Hardy-Weinberg ratios. *Amer. Natur.* 107: 314-318.

Crow, J. F. 1973. That nature-nurture controversy again. Talk to Madison Literary Club. (Unpublished)

Crow, J. F. 1973. Darwinian and non-Darwinian evolution. *Proc. 6th Berkeley Symp. Math. Stat. & Prob.* 5: 1-22.

Crow, J. F. 1973. Population perspective. In *Ethical Issues in Human Genetics*, B. Hilton, D. Callahan, M. Harris, P. Condliffe, and B. Berkley, eds. Pp. 73-81.

Crow, J. F. 1973. Impact of various types of genetic damage and risk assessment. *Envir. Health Persp.* Pp. 1-5.

Nagylaki, T., and J. F. Crow. 1974. Continuous selective models. *Theor. Pop. Biol.* 5: 257-283.

Langley, C. H., and J. F. Crow. 1974. The direction of linkage disequilibrium. *Genetics* 78: 937-941.

- Mukai, T., R. A. Cardellino, T. K. Watanabe, and J. F. Crow. 1974. The genetic variance and its components in a local population of *Drosophila melanogaster*. *Genetics* 78: 1195-1208.
- Crow, J. F. 1974. A bibliography of theoretical population genetics, by J. Felsenstein. *Amer. J. Hum. Genet.* 26: 778-779. (Book review)
- Crow, J. F. 1974. Genetics. *Science Year.* Pp. 297-299.
- Crow, J. F. 1975. Educability and group differences, by A. Jensen. *Amer. J. Human Genet.* 27: 129-133. (Book Review)
- Maruyama, T., and J. F. Crow. 1975. Heterozygous effects of X-ray induced mutations on viability of *Drosophila melanogaster*. *Mutat. Res.* 27: 241-248.
- Crow, J. F. 1975. Addendum. *Mutat. Res.* 27: 255.
- Drake, J. W. *et al.* 1975. Environmental mutagenic hazards. *Science* 187: 503-514.
- Crow, J. F. 1975. The genetic basis of evolutionary change, by R. C. Lewontin. *Amer. J. Human Genet.* 27: 249-251. (Book review)
- Crow, J. F. 1975. Commentary. In *Developmental Human Behavior Genetics*, ed by K. W. Schaie.
- Crow, J. F. 1976. The theory of neutral and weakly selected genes. *Fed. Proc.* 35: 2083-2086.
- Crow, J. F. 1976. Racial IQ differences: The causes are still unknown. *Contemp. Psych.* 21: 390-392.
- Crow, J. F. *et al.* 1976. Statement on abortion. Subcommittee on Constitutional Amendments of the Committee on the Judiciary, U. S. Senate. Pp. 592-593.
- Crow, J. F., and T. Nagylaki. 1976. The rate of change of a character correlated with fitness. *Amer. Natur.* 110: 207-213.
- Crow, J. F. 1977. The challenge of knowledge. Honors Convocation Address. (Unpublished)
- Simmons, M. J., and J. F. Crow. 1977. Mutations affecting fitness in *Drosophila* populations. *Ann. Rev. Genet.* 11: 49-78.
- Crow, J. F. 1977. General remarks and conclusions. In *Conference on Population Monitoring, Methods for Detecting Increased Mutation Rates*. Deutsche Forschungsgemeinschaft. Pp. 11-19.

Crow, J. F. 1977. Controversial issues in evolutionary genetics, past and present. Talk given at annual meeting of the Genetics Society of America. (unpublished)

Simmons, M. J., E. W. Sheldon, and J. F. Crow. 1978. Heterozygous effects on fitness of EMS-treated chromosomes in *Drosophila melanogaster*. *Genetics* 88: 575-590.

Kimura, M., and J. F. Crow. 1978. Effect of overall phenotypic selection on genetic change at individual loci. *Proc. Natl. Acad. Sci.* 75: 6168-6171.

Crow, J. F. 1978. Evolution and the genetics of populations. III, by Sewall Wright. *Nature* 272: 561-562.

Crow, J. F., and M. Kimura. 1979. Efficiency of truncation selection. *Proc. Natl. Acad. Sci.* 76: 396-399.

Crow, J. F. 1979. Gene frequency and fitness change in an age-structured population. *Ann. Hum. Genet., Lond.* 42: 335-370.

Crow, J. F. 1979. Minor viability mutants in *Drosophila*. *Genetics* 92: s165-s172.

Crow, J. F. 1979. Can we assess genetic risks. Hollaender Lecture. *Proc. Sixth International Congress of Radiation Research*. Pp. 70-78.

Crow, J. F. 1979. Genes that violate Mendel's rules. *Scient. Amer.* 240(2): 134-146.

Crow, J. F. 1979. The Jackson Laboratory: 1929-1979-2029. In *The First Fifty Years at the Jackson Laboratory*, by Jean Holstein. The Jackson Laboratory. Pp. 218-223.

Crow, J. F., et al. 1979. Hearings before the Subcommittee on Energy Research and Production, 96th Congress. Pp. 837-852.

Crow, J. F. 1979. Wright, Sewall. *Encyclopedia of the Social Sciences*, D. Sills, ed. The Free Press. 18: 817-819.

Crow, J. F. 1979. This week's citation classic. *Curr. Cont.* No. 46, P. 12.

Crow, J. F. 1980. The estimation of inbreeding from isonymy. *Human Biol.* 52: 1-14.

Crow, J. F. 1980. Can Lamarck be resurrected? *Cell* 19: 807-817. (Book review)

Crow, J. F. 1980. R. A. Fisher: The life of a scientist, by Joan Fisher Box. *J. Hist. Med.* 35: 329-330. (Book review)

Crow, J. F. 1980. Wilson Stuart Stone. *Biological Memoirs, Nat. Acad. Sci.* 52: 450-468.

Crow, J. F. 1980. Darwinism and human affairs, by R. D. Alexander. *Cell* 20: 255-256.

Crow, J. F. 1981. Comparison of energy risks. *Proc. Amer. Philos. Soc.* 125: 262-268.

Crow, J. F., and C. Denniston. 1981. The mutation component of genetic damage. *Science* 212: 888-893.

Crow, J. F. 1981. The neutralist-selectionist controversy: An overview. In *Population and Biological Aspects of Human Mutation*. Pp. 3-14.

Crow, J. F. 1981. How well can we assess genetic risk? Not very. 5th Lauriston S. Taylor Lecture. *National Council on Radiation Protection and Measurements*. Pp. 7-31.

Crow, J. F. 1981. Evaluation of genetic risks. In *Measurement of Risks*, G. G. Berg and H. D. Maillie, eds. Pp. 385-407.

Crow, J. F. 1981. A century of mammalian genetics and cancer: Where are we at midpassage? In *Mammalian Genetics and Cancer: The Jackson Laboratory Fiftieth Anniversary Symposium*. Pp. 309-323.

Crow, J. F. 1981. Two books on population genetics. *BioScience* (Feb)

Crow, J. F. 1982. Sewall Wright, the scientist and the man. *Persp. Biol. & Med.* 25: 279-294.

Crow, J. F. 1982. Assessing risk in the management of radioactive waste. *Underground Space* 6: 273-279.

Crow, J. F. and K. Aoki. 1982. Group selection for a polygenic behavioral trait: A differential proliferation model. *Proc. Natl. Acad. Sci.* 79: 2628-2631.

Crow, J. F. 1982. Genes, radiation, and society: The life and work of H. J. Muller. *Amer. J. Human Genet.* 34 :519-523. (Book review)

Crow, J. F. 1982. Molecular evolution. Christmas Lectures, III. Sci. Lect. Assn. (Unpublished)

Crow, J. F. 1983. CalTech's research role. *BioScience* 33: 208. (Book review)

Crow, J. F. 1983. Some perspectives from population genetics. In *Genetics of Neurological and Psychiatric Disorders*, S. Kety, L. P. Rowland, R. L. Sidman, and S. W. Matthyse, eds. Pp. 93-104.

- Crow, J. F. 1983. Chemical mutagen testing: A committee report. *Envir. Mut.* 5: 255-261.
- Crow, J. F. 1983. Hybrid dysgenesis and the P factor in *Drosophila*. *Jap. J. Genet.* 58: 621-625.
- Crow, J. F. 1983. Surnames as biological markers: Discussion. *Human Biol.* 55: 383-397.
- Crow, J. F. 1984. Pest resistance. *BioScience* 34: 194. (Book review)
- Crow, J. F., and K. Aoki. 1984. Group selection for a polygenic behavioral trait: Estimating the degree of population subdivision. *Proc. Natl. Acad. Sci.* 81: 6073-6077.
- Crow, J. F. 1984. The founders of population genetics. In *Human Population Genetics: The Pittsburgh Symposium*, A. Chakravarti, ed. Pp. 177-194.
- Crow, J. F. 1984. The P-factor: A transposable element in *Drosophila*. In *Mutation, Cancer, and Malformation*, E. H. Y. Chu and W. M. Generoso, eds. Pp. 257-273.
- Crow, J. F. 1984. The revolution in genetics. *Wisconsin Academy Rev.* 31 (1): 48-51.
- Crow, J. F., and M. J. Simmons. 1985. The mutation load in *Drosophila*. In *The Genetics and Biology of Drosophila*, M. Ashburner, H. L. Carson, and J. N. Thompson, eds. Pp. 1-35.
- Crow, J. F., and C. Denniston. 1985. Mutation in human populations. *Adv. in Human Genet.* 14: 59-123.
- Crow, J. F. 1985. The neutrality-selection controversy in the history of evolution and population genetics. In *Population Genetics and Molecular Evolution*, T. Ohta and K. Aoki, eds. Pp. 1-18.
- Crow, J. F. 1985. Motoo Kimura: An appreciation. In *Population Genetics and Molecular Evolution*, T. Ohta and K. Aoki, eds. Pp. 483-486.
- Crow, J. F. 1985. J. B. S. Haldane -- an appreciation. *J. Genet.* 64: 3-5.
- Crow, J. F. 1985. Transmission genetics: The rules of inheritance. In *General and Quantitative Genetics*, A. B. Chapman, ed. Springer-Verlag. Pp. 3-22.
- Crow, J. F. 1986. Population consequences of mutagenesis and antimutagenesis. In *Antimutagenesis and Anticarcinogenesis mechanisms*. D. M. Shankel et al. eds. Plenum Press. Pp. 519-530.

Crow, J. F. 1987. Some basic principles of organismic and molecular evolution. In *Evolution and Vertebrate Immunity*. G. Kelsoe and D. H. Schulze, eds. Univ. Texas Press. Pp. 1-14.

Crow, J. F. 1987. Neutral models in molecular evolution. In *Neutral Models in Biology*. M. H. Hitecki and A. Hoffman, eds. Oxford Univ. Press. Pp. 11-22.

Crow, J. F. 1986. Haldane: The life and work of J. B. S. Haldane with special reference to India, by K. R. Dronamraju. *Social Biology* 33: 154-156. (Book review)

Crow, J. F. 1987. Sewall Wright and physiological genetics. *Genetics* 115: 1-2.

Crow, J. F. 1987. Seventy years ago in *Genetics*: H. S. Jennings and inbreeding theory. *Genetics* 115: 389-391.

Crow, J. F. 1987. Some reflections on H. J. Muller. *Envir. Mutagenesis* 9: 349-353.

Crow, J. F. 1987. Twenty-five years ago in *Genetics*: Motoo Kimura and molecular evolution. *Genetics* 116:183-184.

Crow, J. F. 1987. Muller, Dobzhansky, and overdominance. *J. Hist. Biol.* 20: 351-380.

Crow, J. F. 1987. Population genetics history: A personal view. *Ann. Rev. Genet.* 21:1-22.

Crow, J. F. 1987. Invaluable tool that's fun to use. Review of Scientific and Technical Books in Print. *The Scientist*. Nov 16, 1987

Crow, J. F. 1988. The importance of recombination. In *The Evolution of Sex*. R. E. Michod and B. R. Levin, eds. Sinauer Associates. Pp. 56-73.

Crow, J. F. 1988. A diamond anniversary: The first chromosome map. *Genetics* 118: 1-3.

Crow, J. F. 1988. The latest on the best: essays on evolution and optimality, ed. by J. Dupré. *Amer. J. Hum. Genet.* 42:786-787.

Crow, J. F. 1988. The ultraselfish gene. *Genetics* 118: 389-391.

Crow, J. F. 1988. Sewall Wright (1889-1988). *Genetics* 119: 1-4.

Crow, J. F. 1988. Eighty years ago: The beginnings of population genetics. *Genetics* 119: 473-476.

Crow, J. F. 1988. Eugenics: Must it be a dirty word? Review of In the Name of Eugenics by D. J. Kevles. *Contemp. Psychol.* 33: 10-12.

- Crow, J. F. 1988. Memories of Takeo Maruyama. *Jap. J. Genetics* 63: 103-104.
- Crow, J. F., and C. Denniston. 1988. Inbreeding and variance effective population numbers. *Evolution* 42: 482-495.
- Kondrashov, A. S., and J. F. Crow. 1988. King's formula for the mutation load with epistasis. *Genetics* 120: 853-856.
- Crow, J. F. 1988. Genetics in postwar China. In *Science and Medicine: Research and Education in 20th Century China*. J. Z. Bowers, J. W. Hess, and N. Sivin, Eds. University of Michigan, Ann Arbor. Pp. 155-169.
- Crow, J. F. 1988. Sewall Wright, 1889-1988. *Genetic Epidemiology* 5: 211-215.
- Crow, J. F. 1988. The genesis of dysgenesis. *Genetics* 120: 315-318.
- Crow, J. F. 1989. Fitness variation in natural populations. In *Evolution and Animal Breeding*, W. G. Hill and T. F. C. Mackay Eds. C. A. B. International, Oxon. Pp. 91-98.
- Crow, J. F. 1989. Twenty five years ago in *Genetics*. The infinite allele model. *Genetics* 121: 631-634.
- Crow, J. F. 1989. Concern for environmental mutagens: Some personal reminiscences. *Env. and Molec. Mutagenesis* S16: 7-10.
- Crow, J. F. and C. Denniston. 1989. Charles W. Cotterman, 1914-1989. *Amer. J. Human Genet.* 44: 903-904.
- Crow, J. F. 1989. Fortunes of war. *Genetics* 122: 467-469.
- Crow, J. F. 1990. Sewall Wright's place in twentieth century biology. *J. Hist. Biol.* 23: 57-89.
- Denniston, C., and J. F. Crow. 1990. Alternative fitness models with the same allele frequency dynamics. *Genetics* 125: 201-205.
- Crow, J. F., W. R. Engels, and C. Denniston. 1990. Phase three of Wright's shifting-balance theory. *Evolution* 44: 233-247.
- Crow, J. F. 1990. R. A. Fisher, a centennial view. *Genetics* 124: 207-211.
- Crow, J. F. 1990. H. J. Muller, scientist and humanist. *Wisc. Acad. Rev.* 36 (3): 19-22.
- Crow, J. F. 1990. Update to "Opportunity for selection and genetic load". *Human Biol.* 61: 776-780.

- Crow, J. F. 1990. Update to "The estimation of inbreeding from isonomy". *Human Biol.* 61: 949-954.
- Crow, J. F. 1990. Mapping functions. *Genetics* 125: 669-671.
- Crow, J. F. 1990. The third phase of Wright's theory of evolution. In *Population Biology of Genes and Molecules*, N. Takahata and J. Crow, Eds. Baifukan Press, Tokyo.
- Crow, J. F. 1990. Fisher's contributions to genetics and evolution. *Theor. Pop. Biol.* 38: 263-275.
- Crow, J. F. 1991. Our diamond birthday anniversary. *Genetics* 127: 1-3.
- Crow, J. F. 1991. Practitioners commentary: Paternity probability. *UMAP* 12: 37-40.
- Crow, J. F. 1991. Alternative theories of molecular evolution. *Proc. 4th Int. Cong. Syst. & Evol. Biol.* pp 852-864.
- Kondrashov, A., and J. F. Crow. 1991. Haploidy or diploidy: Which is better? *Nature* 351: 314-315.
- Crow, J. F. 1991. Why is Mendelian segregation so exact? *Bioessays* 13: 305-312.
- Crow, J. F. 1991. H. J. Muller's role in evolutionary biology. In *The Founders of Evolutionary Genetics*, Kluwer Academic Publishers. pp 83-105.
- Crow, J. F. 1991. Was Wright right? *Science* 253: 973.
- Crow, J. F. 1991. Professor Mukai: The man and his work. *Jap. J. Genetics* 66: 669-682.
- Crow, J. F. 1992. Centennial: J. B. S. Haldane, 1922-1964. *Genetics* 130: 1-6.
- Crow, J. F. 1992. Erwin Schödinger and the hornless cattle problem. *Genetics* 130: 237-239.
- Crow, J. F. 1992. Sixty years ago: the International Congress of Genetics. *Genetics* 131: 761-768.
- Crow, J. F. 1992. Twenty-five years ago in Genetics: Identical triplets. *Genetics* 130: 395-398.
- Crow, J. F. 1992. The high genomic mutation rate. *Evol. Genet.* 2: 605-607.
- Crow, J. F. 1992. An advantage of sexual reproduction in a rapidly changing environment. *J. Heredity* 83: 169-173.

- Crow, J. F. 1992. Genetics 50 years ago. *FASEB* 6: 2867-2869.
- Crow, J. F. 1993. Felix Bernstein and the first human marker locus. *Genetics* 133: 4-7.
- Crow, J. F. 1993. How much do we know about spontaneous human mutation rates? *Env. & Molec. Mutagenesis* 21: 122-129.
- Crow, J. F. 1993. Mutation, mean fitness, and genetic load. *Oxford Surveys in Evol. Biol.* 9: 3-42
- Crow, J. F. 1993. N. I. Vavilov, martyr to genetic truth. *Genetics* 134: 1-4.
- Kondrashov, A., and J. F. Crow. 1993. A molecular approach to estimating the human deleterious mutation rate. *Hum. Mutation* 2: 229-234.
- Crow, J. F. 1993. Francis Galton: Count and measure, measure and count. *Genetics* 135: 1-4.
- *Crow, J. F., and C. Denniston. 1993. Population genetics as it relates to human identification. *Promega Symposium*. 1993: 31-36.
- Crow, J. F. 1994. Advantages of sexual reproduction. *Devel. Genet.* 15: 205-213.
- Crow, J. F. 1994. Genetics in the thirties. *Adv. in Cancer Res.* 65: 1-15.
- Crow, J. F. 1994. The role of mutations in evolution. In *Principles of Medical Biology*, Vol. 1B. JAI Press.
- Crow, J. F. 1994. Hitoshi Kihara, Japan's pioneer geneticist. *Genetics* 137: 891-894.
- Crow, J. F. 1995. Motoo Kimura (1924-1974). *Genetics* 140: 1-5.
- Crow, J. F. 1995. Quarreling geneticists and a diplomat. *Genetics* 140: 421-426.
- Crow, J. F. 1995. Spontaneous mutation as a risk factor. *Exp. Clin. Immunogenetics* 12: 121-128.
- Crow, J. F. 1996. Our man in Moravia (review). *Nature Genet.* 12: 15-16.
- Drake, J. W., and J. F. Crow. 1996. Recollections of Howard Temin (1934-1994). *Genetics* 144: 1-6.
- Crow, J. F. 1996. Memories of Motô. *Theor. Pop. Biol.* 49: 122-127.
- Crow, J. F. 1996. Darwinism alive and well (review). *Nature* 384: 526-527.

- Crow, J. F. 1996. Motoo Kimura and theoretical population genetics. *Braz. J. Genet.* 19: 671-673.
- Crow, J. F. 1996. Motoo Kimura: student, colleague, and friend. *J. Genet.* 75: 5-7.
- Crow, J. F. 1996. A golden anniversary: Cattle twins and immune tolerance. *Genetics* 144: 855-859.
- Crow, J. F. 1996. Isonymy: A thirty year perspective. *Revista di Antropologia (Roma)* 74: 25-34.
- Crow, J. F. 1997. The high spontaneous mutation rate: Is it a health risk? *Proc. Natl. Acad. Sci. USA* 94: 8380-8386.
- Crow, J. F. 1997. Molecular evolution — who is in the driver's seat? *Nature Genet.* 17: 129-130.
- Crow, J. F. 1997. Birth defects, Jimson weeds, and bell curves. *Genetics* 147: 1-6.
- Crow, J. F., and S. Abrahamson. 1997. Seventy years ago: Mutation becomes experimental. *Genetics* 147: 1491-1496.
- Crow, J. F. 1997. Motoo Kimura. *Biographical Memoirs of Fellows of the Royal Society.* 43: 253-265.
- Crow, J. F. 1998. 90 years ago: The beginning of hybrid maize. *Genetics* 148: 923-928.
- Crow, J. F., and W. F. Dove. 1998. Birds' eye view: A decade of perspectives. *Genetics* 148: 1405-1407.
- Drake, J. W., B. Charlesworth, D. Charlesworth, and J. F. Crow. 1998. Rates of spontaneous mutation. *Genetics* 148: 1667-1686.
- Crow, J. F. 1999. Dominance and overdominance. In *Genetics and Exploitation of Heterosis in Crops*. Pp.49-58. Ed. by J. G. Coors and S. Pandey. Amer. Soc. Agron., Madison, WI.
- Crow, J. F. 1999. A symposium overview. In *Genetics and Exploitation of Heterosis in Crops*. Pp. 521-524. Ed. by J. G. Coors and S. Pandey. Amer. Soc. Agron., Madison, WI.
- Crow, J. F. 1999. Unmasking a cheating gene. *Science* 283:1651-1652.
- Crow, J. F. 1999. Spontaneous mutation in man. *Mutat. Res.* 437: 5-9.

Crow, J. F. 1999. Hardy, Weinberg and language impediments. *Genetics* 152: 821-825

Crow, J. F. 1999. The odds of losing at genetic roulette. *Nature* 397: 293-294.

Crow, J. F. 2000. The rise and fall of overdominance. *Plant Breeding Rev.* 17: 225-257.

Crow, J. F. 2000. Newton Morton: the Wisconsin years. In *Genetic Dissection of Complex Traits*, Ed by D. C. Rao. *Advances in Genet.* 42: 3-5.

Crow, J. F. 2000. Two centuries of genetics: A view from halftime. *Ann. Rev. Genomics & Hum. Genet.* 01: 21-40.

Crow, J. F. 2000. A new study challenges the current belief of a high human male:female mutation ratio. *Trends in Genet.* 16: 525-526.

Crow, J. F. 2000. Second only to Darwin (book review). *TREE* 15: 213-214.

Crow, J. F. and R. D. Owen. 2000. Kay Wilson and the NIH Genetics Study Section. *Genetics* 155:

Crow, J. F. 2000. Thomas H. Jukes (1906-1999). *Genetics* 154: 955-956.

Crow, J. F. 2000. The origins, patterns and implications of human spontaneous mutation. *Nature Rev. Genetics* 1: 40-47.

Crow, J. F. 2000. An insatiable appetite for ideas. *Selection* 1: 1-3.

Wagner, R. P., and J. F. Crow. 2001. The other fly room: J. T. Patterson and Texas Genetics. *Genetics* 257: 1-5.

Crow, J. F. 2001. Plant breeding giants: Burbank, the artist; Vavilov, the scientist. *Genetics* 158: 1391-1395.

Crow, J. F. 2001. Shannon's brief foray into genetics. *Genetics* 159: 915-917.

Crow, J. F. 2001. The beanbag lives on. *Nature* 409:771.

Crow, E. W., and J. F. Crow. 2002. 100 years ago: Walter Sutton and the chromosome theory of heredity. *Genetics* 160: 1-4.

Crow, J. F., and J. Kermicle. 2002. Oliver Nelson and quality protein maize. *Genetics* 160: 819-821.

- Crow, J. F. 2002. Unequal by nature: a geneticist's perspective on human differences. *Dedalus* Winter 2002: 81-88.
- Crow, J. F. 2002. Here's to Fisher, genic variance, and the FTNS. *Evolution* 56: 1313-1316.
- Crow, J. F. 2002. C. C. Little, cancer, and inbred mice *Genetics* 161: 1357-1361.
- Crow, J. F. 2002. James V. Neel. 22 March 1915 — 1 February 2000). *Biog. Mem. Amer. Phil. Soc.* 146: 124-127.
- Crow, J. F. 2003. Was there life before 1953? *Nature Genetics* 33: 449-450.
- Crow, J. F. 2003. C. C. Tan: A life of peaks and valleys. *Genetics* 164: 1-4.
- Garcia-Dorado, A., A. Caballero, and J. F. Crow. 2003. On the persistence and pervasiveness of a new mutation. *Evolution* 57: 2644-2646.
- Crow, J. F. 2003. Comment on "Cultural group selection, coevolutionary processes and large-scale cooperation, by J. Henich. *J. Econ. Behav. & Organization* 53: 53-56
- Crow, J. F. 2003. There's something curious about paternal-age effects. *Science* 301: 606-607.
- Crow, J. F. 2004. Assessing population subdivision. In *Evolutionary Theory and Processes: Modern Horizons*. Ed. by S. P. Wasser. Pp. 35-42. Kluwer Academic Publishers
- Horowitz, N. H., P. Berg, M. Singer, J. Lederberg, M. Susman, J. Doebley, and J. F. Crow. 2004. A centennia: George W. Beadle, 1903-1989. *Genetics* 166:1-10.
- Crow, J. F. 2004. Genetics: Alive and well. The first hundred years as viewed through the pages of the *Journal of Heredity*. *J. Hered.* 95:365-374.
- Crow, J. F. and Welcome Bender. 2004. Edward B. Lewis, 1918-2004. *Genetics* 168: 1773-1783.
- Crow, J. F. and T. E. Johnson. 2005. Comments. Research on environmental effects in genetic studies of aging. *J. Gerontology Series B.* 60B (1): 7-11.
- Crow, J. F. 2005. Herman Joseph Muller, Evolutionist. *Nature Rev. Genet.* 6: 941-945.
- Crow, J.F., D. Lincley, and J. Lucchesi. 2006. Edward Novitski: *Drosophila* virtuoso. *Genetics* 174:549-553.

- Crow, J. F. 2006. Age and sex effects on human mutation rates, an old problem with new complexities. *J. Radiation Res. (Tokyo)* 47 SupplB:B75-82.
- Crow, J. F. 2005. Early American genetics journals. *Nature Rev. Genet.* 6:941-945.
- Crow, J. F. 2006. H.J. Muller and the “competition hoax.” *Genetics* 173:511-514.
- Crow, J. F., Lindsley, D., and Lucchesi, J. 2006. Edward Novitski: *Drosophila* virtuoso. *Genetics* 174: 549-553.
- Wilkins, A., 2006. Interview with Professor James Crow. *Bioessays* 28: 660-678.
- Crow, J. F. 2006. A selfish element. Review of “Genes in conflict” by Burt and Trivers. *Nature* 440: 609.
- Crow, J. F., 2006. Interesting reviewers. *Genetics* 175: 1833-1834.
- Crow, J. F. 2007. Motoo Kimura, 1924-1994. *Handbook of Philosophy of Biology* (in press)
- Crow, J. F. 2007. Sewall Wright, 1889-1988. *Handbook of Philosophy of Biology* (in press)
- Gulisija, D., and J. F. Crow. 2007. Inferring purging from pedigree data. *Evolution* 61(5):1043-1051.
- Crow, J.F. 2007. Haldane, Bailey, Taylor and recombinant-inbred lines. *Genetics* 176(2):729-732.
- Crow, J.F. 2008. Commentary: Haldane and beanbag genetics. *Int J Epidemiol* 37(3):442-445.
- Crow, J.F. 2008. Mid-century controversies in population genetics. *Annu Rev Genet* 42:1-16 (Review).
- Crow, J.F. 2008. Just and unjust: E.E. Just (1883-1941). *Genetics* 179(4):1735-1740.
- Crow, J.F. 2008. Maintaining evolvability. *J. Genetics.* 87(4): 349-353.
- Crow, J.F. 2009. Mayr, mathematics, and the study of evolution. *J. Biol.* 8(2): 13. Epub 2009 Feb 23.
- Crow, J.F. 2010. On Epistasis: Why it is Unimportant in Polygenic Directional Selection. *Proc. Royal Society* 2010 Apr 27;365(1544):1241-4.

Crow, J.F. 2010. Wright and Fisher on inbreeding and random drift. *Genetics* Mar;184(3):609-11. Review

Crow, J.F. 2012. Upsetting the dogma: germline selection in human males. *PLoS Genet.* 2012;8(2):e1002535. doi: 10.1371/journal.pgen.1002535. Epub 2012 Feb 16.