

CURRICULUM VITAE

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Education:

B.A., Zoology, University of Hawaii, Manoa, 1965
M.S., Entomology, University of Hawaii, Manoa, 1968
Ph.D., Entomology, University of Hawaii, Manoa, 1974

Present Positions:

Board of Directors of the Community Partnerships Center Foundation, March 2016 – present.
Board of Directors of the Alliance for Resilience and Global Empowerment, January, 2016 – 2019.
Founder/President/CEO of Hawaii Exemplary State Foundation, August, 2014- present.
Director, Center for Conservation Research & Training, University of Hawaii, July 1, 1993- present.
Researcher, Pacific Biosciences Research Center, University of Hawaii, July 1, 1989 - present.
Director, Hawaiian Evolutionary Biology Program, University of Hawaii, December 1, 1985 - present.
Executive Director, Hawaii Conservation Alliance (formerly the Secretariat for Conservation Biology),
Dec. 1993 – present.
Graduate Faculty, Center for Okinawan Studies, 2008 – present.
Graduate Faculty, Ecology, Evolution, Conservation Biology Graduate Specialization (EECB), University
of Hawaii, January 1991 – present.
Graduate Chair of EECB, January, 1991 – Feb. 1998.
Graduate Faculty, Department of Zoology, University of Hawaii, 1988 - present.
Graduate Faculty, Department of Entomology, University of Hawaii, June, 1976 - present.
Director, Hawaiian Drosophila Research Stock Center, 1979-present.

Professional Experience:

Member of National Ecological Observatory Network (NEON) Planning/Design Committee, Jan. 2005 –
June 2006
Board of Trustees, The Nature Conservancy of Hawaii, August, 1989 - Dec. 2017
Editorial Board, Pacific Science Journal, 1992 - present.
Editorial Board, Journal of Insect Behavior, 1995 - present.
Editorial Board, Journal of Applied Entomology and Zoology, 2002 - present.
Commissioner, Hawaii State Animal Species Advisory Commission, 1986 - 1994. Appointed by
Gov. John Waihee.
Hawaii Tropical Forest Recovery Task Force, July 1993 – July 1994. Appointed by Gov. John Waihee,

Research Consultant, the JASON Foundation Education Project, 1994-1995.
 Associate Researcher, Pacific Bioscience Research Center, University of Hawaii, July 1, 1984 – June 30, 1989.
 Coordinator, Hawaiian Drosophila Project, University of Hawaii, 1972 - present.
 Commissioner, Hawaii State Natural Area Reserve Systems Commission, 1979-1985, Chairperson 1984-1985. Appointed by Gov. George Ariyoshi,
 Assistant Researcher, Department of Entomology, University of Hawaii, 1974 - 1984.
 Research Consultant, Enrichment in Science Program, Department of Education, State of Hawaii, 1982-1983.
 Research Consultant, Television Programs for British Broadcasting Corporation (BBC) and other natural history films, "The Life Game", 1975; "Evolution", 1979; "Hawaii: A Crucible of Life", 1982; "The Planet Earth", 1982; "Sexual Selection & Speciation", 1991; "Islands: Splendid Isolation", 1992; "Nomads of the Wind", 1993; "Insects", 1994.
 Instructor, Department of Entomology, University of Hawaii, Manoa, Spring, 1982 (Course taught: "Systematic Entomology").
 Visiting Professor, Department of Zoology, University of Sao Paulo, Sao Paulo, Brazil, 1979 (Developed and taught new course "Dynamics of Speciation: A multidisciplinary Approach").
 Research Associate, Museu de Zoologia, Sao Paulo, Brazil, 1979.
 Graduate Teaching Assistant, Department of Entomology, University of Hawaii, 1970-1971.
 Graduate Research Assistant, Hawaiian Drosophila Project, University of Hawaii, 1965-1970; 1971-1972; University of Texas, 1968-1969.

Summary Statement of Current Interests:

Kaneshiro’s systems approach in his research on the Hawaiian Drosophila has led to the development of the emerging field of “Sustainability Science” based on an understanding of the fundamental interactions between nature and humans. This requires a new research and education paradigm that embraces biological complexity, integrates the physical, biological and social sciences, and uses a coupled, human-natural systems approach. Such integrative research is required to provide fundamental knowledge and strategic solutions to address the wide range of issues associated with ecosystems and their relationship to human health and well-being. This is the cornerstone of the mission of the Hawaii Exemplary State Foundation.

Invited Lectureships:

December	1974	Department of Biology, New York University.
December	1975	Department of Zoology, University of California, Davis.
March	1977	Department of Biology, University of California, Irvine.
March	1977	Department of Biology, California Institute of Technology.
May	1979	Department of Genetics, Universidade do Rio Grande do Sul, Porto Alegre, Brazil.
June	1979	Department of Zoology, Museu de Zoologia, Universidade do Sao Paulo, Sao Paulo, Brazil.
October	1980	Sigma Xi Lecture, University of Hawaii, Hilo.
November	1982	Department of Entomology, University of Hawaii, Manoa.
November	1983	Museum of Zoology, University of Michigan, Ann Arbor, Michigan.
November	1983	Department of Biological Sciences, Wayne State University, Detroit, Michigan.

December	1983	Department of Biological Sciences, Bowling Green State University, Bowling Green, Ohio.
December	1983	Department of Biology, Washington University, St. Louis, Missouri.
October	1985	Department of Biology, University of Utah, Salt Lake City, Utah.
October	1985	College of Biology and Agriculture, Brigham Young University, Provo, Utah.
October	1985	Department of Entomology, Utah State University, Logan, Utah.
February	1986	Quaternary Research Center, University of Washington, Seattle, Washington.
February	1986	Department of Zoology, University of Washington, Seattle, Washington.
July	1987	Department of Chemistry, Montana State University, Bozeman, Montana.
November	1987	Department of Ecology and Evolutionary Biology, Cornell University, Ithaca, New York.
May	1988	Department of Entomology, University of the Ryukyus, Naha, Okinawa, Japan.
May	1988	Fruit Fly Eradication Project, Okinawa Prefectural Government Experimental Field Station, Naha, Okinawa, Japan.
November	1989	Department of Zoology, Arizona State University, Tempe, Arizona.
November	1989	Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, Arizona.
March	1991	Department of Organismic & Evolutionary Biology, Harvard University, Cambridge, Massachusetts.
November	1993	Department of Entomology, Cornell University, Grace E. Griswold Distinguished Lectureship.
November	1994	Department of Entomology, University of California at Riverside
January	1995	Department of Biology, Stanford University, Stanford, California
December	1996	Centre Scientific D'Orsay - Mechanismes de Communication, Universite Paris-Sud
May	1997	Nippon Bunri University, Distinguished Lecturer on the occasion of the 30 th Anniversary of NBU. Oita, Japan.
July	1999	Humboldt University, Distinguished Lecturer for new Graduate Curriculum in Evolutionary Biology. Berlin, Germany.
August	1999	Distinguished Lecture at Annual Meeting of ERATO program, Tokyo, Japan
October	1999	Invited Lecture at Institute for Global Environmental Strategies, Shonan Village, Japan
November	2002	Invited Lecture at Victoria University Wellington, New Zealand

Invited Presentations at Local/ National/International Symposia and Conferences:

August	1968	XIIth International Congress of Genetics, Tokyo, Japan
June	1970	Hawaiian Academy of Science Symposium. Honolulu, Hawaii
June	1972	Entomological Society of America, Honolulu, Hawaii
August	1972	14th International Congress of Entomology, Symposium on "Genetic Mechanisms of Speciation in Insects." Canberra, Australia.
October	1978	U.S./Japan Symposium on "Dynamics of Speciation in Plants and Animals," Tokyo, Japan.
July	1979	XXV Brazilian Congress of Genetics, Symposium on "Mechanisms of Evolution and Speciation." Fortaleza, Ceara, Brazil.
July	1980	II International Congress of Systematics and Evolutionary Biology, Symposium on "The Evolutionary Biology of Hawaiian Drosophilidae." Vancouver, Canada.

June	1982	Genetics Society of America, "Selection Experiments on Mating Behavior of <i>Drosophila silvestris</i> ". Yale University, New Haven, Connecticut.
March	1983	24th Annual National Drosophila Research Conference, Workshop on Reproductive Behavior in Drosophila." Asilomar, California.
June	1984	Symposium on "Sexual Selection" sponsored by the American Society of Naturalist, Crested Butte, Colorado.
June	1985	International Symposium on "Genetics, Speciation, and the Founder Principle", sponsored by the Hawaiian Evolutionary Biology Program, Honolulu, Hawaii.
June	1986	Symposium on "Diversity in Hawaiian Drosophila: A Tribute to Hampton Carson" sponsored by the Behavior Genetics Society, Honolulu, Hawaii.
August	1986	First International Conference on Tropical Entomology, Symposium on "Biotypes, Polymorphism, and Co-evolution in Tropical Insects." Nairobi, Kenya.
December	1986	Symposium on "Biology of Habitat-Related Population Variations: Evolution and Ecology of Immigrant Species" sponsored by the Entomological Society of America, Reno, Nevada.
November	1987	International Symposium on "Speciation and Adaptation" at the 175th Anniversary of the Philadelphia Academy of Natural Sciences.
March	1988	First International Conference on Fruit Flies in the Tropics, Symposium on "Fruit Fly Eradication". Kuala Lumpur, Malaysia.
July	1988	XVIII International Congress of Entomology, Symposium on "The Evolutionary Significance of Hybridization and Introgression in Insects", in Vancouver, Canada.
January	1989	US/Australia Cooperative Science Project, Workshop on the "Ecological and Evolutionary Genetics of Drosophila" at the University of New England, Armidale, Australia.
April	1989	Invited Lecturer for Short Course in "Selective Forces in the Evolution of Communication Systems" sponsored by the Nordic Council of Ecology, Lund University, Lund, Sweden.
October	1990	International Symposium on "Fruit Flies of Economic Importance", Antigua, Guatemala.
December	1990	Hawaii Invitation Symposium on "Fighting Alien Fruit Flies in the Unique Hawaiian Environment", Poipu Beach, Kauai, Hawaii.
February	1991	Keynote Address, "Introduction, Colonization, and Establishment of Exotic Insect Pests", Pacific Branch of Entomological Society of America, Sacramento, California.
May	1991	XVII Pacific Science Congress, Symposium on "Biodiversity and Evolution of Speciose Pacific Diptera", Honolulu, Hawaii.
July	1991	National Meetings of Society for the Study of Evolution, American Naturalists, and Society of Systematic Zoology, Local Coordinator for Field Trips, Organizer for Symposium on "Evolutionary Biology of Hawaiian Drosophilidae", Hilo, Hawaii.
August	1991	22nd International Ethological Conference, Symposium on Behavioral Ecology of Tephritid Fruit Flies, Kyoto, Japan.
September	1991	International Symposium on the "Biology and Control of Fruit Flies", Co-Organizer of conference, Ginowan, Okinawa, Japan.
June	1992	XIX International Congress of Entomology, Symposium on "USA Quarantine Treatments - International Passports for Agricultural Commodities", Beijing,

		China.
July	1992	9th Annual Conference of International Society of Chemical Ecology, Symposium on "Chemical Ecology of Fruit Flies", Keynote Address, Kyoto, Japan.
August	1992	43rd Annual Meeting of the American Institute of Biological Sciences, Symposium on "Patterns of Speciation and Biogeography of Hawaiian Biota", Honolulu, Hawaii.
September	1992	Workshop on Development of Eradication Strategy of the Melon Fly in the Mariana Islands, Sponsored by USDA/APHIS, Saipan, Northern Marianas.
November	1992	First Meeting of Working Group on Fruit Flies of the Western Hemisphere, Discussion Leader on "Taxonomy, Genetics, Behavior of Fruit Flies of the Western Hemisphere", San Jose, Costa Rica.
January	1993	Organizer of US/Japan Symposium on "Ecology & Evolutionary Biology on Islands with Implications for Conservation Research", Honolulu, Hawaii.
June	1993	Pacific Science Inter-Congress, Keynote Speaker for Symposium on "Speciation, Dispersal and Conservation of Species in the Pacific", Okinawa, Japan.
October	1993	International Workshop on "Biological Diversity and Ecosystem Function: Islands as Model Systems," sponsored by the Scientific Committee on Problems of the Environment (SCOPE). Paradise Island, Bahamas.
December	1993	National Meetings of the Entomological Society of America, Symposium on "Insect Mating Systems". Indianapolis, Indiana.
November	1994	Workshop on Medfly Biology and Development of Exotic Pest Research Center at University of California, Riverside.
August	1996	International Congress of Entomology, Symposium on "The Legacy of R.C.L. Perkins, 100 Years of Entomology", Florence, Italy.
December	1996	Winter Meetings of Animal Behavior Society, Keynote Speaker on "Sexual Selection and the Evolution of Hawaiian Drosophilidae", London, England
April	1997	US/Japan Common Agenda: Roundtable Discussion on Environmental Education; Ministry of Foreign Affairs, Tokyo, Japan.
August	1997	International Congress of Ethology, Symposium on Sexual Selection, Vienna, Austria.
November	1997	Hawaii/Okinawa Joint Partnership in Development; Member of Hawaii Team led by Governor Benjamin Cayetano to address issues such as Nature Conservation and Fruit fly control in Hawaii and Okinawa; Naha City, Okinawa, Japan.
February	1998	International Symposium on "The Evolution of Fruit Fly (Diptera: Tephritidae) Behavior", Keynote Lecture on "Evolution of Behavior in Drosophila: Parallels to Tephritid Flies", Xalapa, Vera Cruz, Mexico.
March	1998	Invited participant in US/Japan Common Agenda Open Forum, Subcommittee on Water and Forest, Ministry of Foreign Affairs, Tokyo, Japan.
March	1998	International Symposium on Fruit Fly Control Technology Transfer to the Asia Pacific Region, sponsored by the Research Institute for the Subtropics, Okinawa, Japan.
July	1998	International Congress of Ecology, Symposium on "The Ecology of Natural Hybridization", Firenze, Italy.
August	2000	International Congress of Entomology, Symposium on "the Evolution of Acoustical Signals in Insects", Iguassu, Brazil
January	2001	Environmental Law Institute's National Biodiversity Symposium, "Status of the States: Innovative State Strategies for Biodiversity Conservation", Washington

		DC.
November	2001	Symposium on Joint Partnership for Academic Leadership in the Pacific Region, University of the Ryukyus, Okinawa, Japan.
March	2002	Okinawan Discovery Series, “Natural Living Treasures of Hawaii and Okinawa, Hawaii United Okinawan Association Invited Lecture, Honolulu, Hawaii.
November	2002	LEAD Japan Workshop on “Partnerships on Conservation Science through Shared Geospatial Databases”, Okinawa, Japan.
August	2003	Royal Society of New Zealand, Wellington, NZ. "The Dynamics of Sexual Selection and the Genetic Consequences of Small Population Sizes".
November	2003	EPSCoR Foundation Workshop on NSF GK-12 Grantsmanship. “The GK-12 Program in Hawaii – Using the Unique Biota of Hawaii for Enhancing Science Education”, University of Oklahoma, Norman, Oklahoma.
November	2003	NSF Workshop to discuss AAPI (Asian-American – Pacific Islander) issues, National Science Foundation, Washington, D.C.
March	2004	Workshop on Designing Projects for Pacific Island Nations sponsored by the Ministry of Foreign Affairs of Japan – Okinawa, Japan
March	2004	Symposium on Partnerships in Science Education, AAAS National Conference, Seattle, Washington
September	2005	Keynote Address on “The Evolution of Hawaiian Drosophila: Genetic Consequences of Small Population Size” at the Brazilian Congress of Genetics, Aqua Lindoia, Sao Paulo, Brazil.
November	2006	Organizer and Sponsor for Workshop on “Cyberinfrastructure for Integrated Earth Observing Systems”, Honolulu, Hawaii
November	2007	Organizer and Sponsor for Workshop on “Cyberinfrastructure for Environmental Research & Education” held in conjunction with National EPSCoR Conference, Waikaloa, Kona, Hawaii.
November	2008	Keynote Address on “Dynamics of Sexual Selection in Hawaiian Drosophila: A Paradigm for Evolutionary Change” at the International Symposium on Drosophila Evolution: Taxonomy, Systematics, Phylogenetics and their Relationships to Drosophila Biology. Univ. California at San Diego, Birch Aquarium.
February	2010	Invited Speaker – “Sustainability science and STEM education, a new paradigm in light of changing environment and climate”, at Sustainability Workshop sponsored by College of Engineering, UH Manoa, Workshop held at Honolulu Community College. Feb. 20, 2010.
February	2010	Invited Speaker to International Symposium on Island Sustainability: Challenges and Opportunities for the Pacific Islands in a Globalized World – Focusing on the Transfer of Okinawa and Hawaii’s Sustainable Island Technologies and Innovations to the Pacific Islands – Meio University, Nago City, Okinawa, Japan. Presentation titled: “Renewable energy and Biochar Carbon Sequestration”
September	2010	Invited Speaker to University of Guam Conference on Island Sustainability; Sept. 2-3, 2010; Agana, Guam
September	2012	Invited Poster Presentation at 2012 World Conservation Congress, Jeju Island, S. Korea. “A Systems Approach Towards Energy, Food and Environmental Security: The Biochar Story”.
November	2012	Invited participant – Innovation Working Group: “Designing Resilient Native Communities” Sunrise Springs Resort, Santa Fe, New Mexico. Nov. 1-4, 2012.

- April 2016 Invited Presentation: Pacific Branch of Entomological Society of America; April 4-6, 2016; Honolulu, Hawaii – “ The Dynamics of Sexual Selection and the Evolutionary Processes of Adaptive Shifts”.
- September 2016 Steering Committee on IUCN World Conservation Congress held in Honolulu, Hawaii, September 1-10, 2016.
- September 2016 Organizer of Workshop to “Restore a Mosquito Free Hawaii” September 6-7, 2016; Kilauea Military Camp, Hawaii Volcanoes National Park.

List of Publications: (refereed)

- Hardy, D. E. and K. Y. Kaneshiro. 1968. New picture-winged *Drosophila* from Hawaii. Univ. of Texas Publ.No. 6818:171-262.
- Hardy, D. E. and K. Y. Kaneshiro. 1969. Descriptions of new Hawaiian *Drosophila*. Univ. Texas Publ. No. 6918:39-54.
- Kaneshiro, K. Y. 1969. A study of the relationships of Hawaiian *Drosophila* species based on external Male genitalia. Univ. Texas Publ. No. 6918:55-7.
- Kaneshiro, K. Y. 1969. The *Drosophila crassifemur* group of species in a new subgenus. Univ. Texas Publ. No. 6918:79-84.
- Kaneshiro, K. Y. and M. R. Wheeler. 1970. Preliminary report on the species of ananassae subgroup. Dros. Info. Serv. 45:143.
- Hardy, D. E. and K. Y. Kaneshiro. 1971. New picture-winged *Drosophila* from Hawaii. Part II. Univ. Texas Publ. No. 7103:151-170.
- Kaneshiro, K. Y. 1972. Phylogenetic relationship of Hawaiian Drosophilidae based on morphology and ecology. Abstr. 14th Intern. Cong. of Ent. p.52.
- Hardy, D. E. and K. Y. Kaneshiro. 1972. New picture-winged *Drosophila* from Hawaii. Part III. Univ. Texas Publ. No.7213:155-161.
- Kaneshiro, K. Y., H. L. Carson, F. E. Clayton, and W. B. Heed. 1973. Niche separation in a pair of homosequential *Drosophila* species from the Island of Hawaii. Amer. Nat. 107(958):766-774.
- Ahearn, J. N., H. L. Carson, Th. Dobzhansky, and K. Y. Kaneshiro. 1974. Ethological isolation among three species of the planitibia subgroup of Hawaiian *Drosophila*. Proc. Nat. Acad. Sci. 71(3):901-903.
- Kaneshiro, K. Y. 1974. Phylogenetic relationships of Hawaiian Drosophilidae based on morphology. In Genetic Analysis of Speciation Mechanisms in Insects. M.J.D. White, Ed., Melbourne, Australia. pp. 102-110.
- Johnson, W. E., H. L. Carson, K. Y. Kaneshiro, W. W. Steiner, and M. M. Cooper. 1975. Genetic variation in Hawaiian *Drosophila*. II. Allozymic differentiation in the *D. planitibia* subgroup. In Isozymes Vol.4, Genetics and Evolution. C. L. Markert, Ed. Academic Press, New York.
- Hardy, D. E. and K. Y. Kaneshiro. 1975. Studies in Hawaiian *Drosophila*. Modified mouthparts species. No. 1. mitchelli subgroup. Proc. Haw. Ent. Soc. 22(1):51-55.
- Hardy, D. E. and K. Y. Kaneshiro. 1975. Studies in Hawaiian *Drosophila*. Miscellaneous new species. No.1. Proc. Haw. Ent. Soc. 22(2):56-64.
- Kaneshiro, K. Y. 1976. A revision of generic concepts in the biosystematics of Hawaiian Drosophilidae. Proc. Haw. Ent. Soc. 22(2):255-278.
- Kaneshiro, K. Y. 1976. Ethological isolation and phylogeny in the planitibia subgroup of Hawaiian *Drosophila*. Evolution 30:740-745.
- Carson, H. L. and K. Y. Kaneshiro. 1976. *Drosophila* of Hawaii: Systematics and ecological genetics. Ann. Rev. Ecol. Syst. 7:311-345.

- Kaneshiro, K. Y. 1976. Evolutionary studies of two *Drosophila* species from Hawaii: A multidisciplinary approach. Proc. 1st. Ann. Conf. in Natural Sciences. pp.115-119. Hawaii Volcanoes Nat'l. Park.
- Kaneshiro, K. Y., A. T. Ohta and H. T. Spieth. 1977. Mushrooms as bait for *Drosophila*. Dros. Info. Serv. 52:85.
- Kaneshiro, K. Y. and F. C. Val. 1977. Natural hybridization between a sympatric pair of Hawaiian *Drosophila*. Amer. Nat. 111:897-902.
- Arita, L. and K. Y. Kaneshiro. 1978. Ethological isolation between two stocks of *D. adiantola* Hardy. Proc. Haw. Ent. Soc. 23(1):31-34.
- Hardy, D. E. and K. Y. Kaneshiro. 1979. A review of the modified tarsus species group of Hawaiian *Drosophila* (Drosophilidae: Diptera) I. the "split-tarsus" subgroup. Proc. Haw. Ent. Soc. 23(1):71-90.
- Kaneshiro, K. Y. 1980. Sexual selection, speciation, and the direction of evolution. Evolution 34(3):437-444.
- Kaneshiro, K. Y. 1980. Sexual behavior and phylogeny of Hawaiian *Drosophila*. Abstr. 2nd Intern. Cong. Syst. and Evol. Bio. p.114. Vancouver, Can.
- Arita, L. H., K. Y. Kaneshiro, and A. T. Ohta. 1981. Male-mimicking behavior in females of the Mediterranean fruit fly. Genetics suppl. 97(1):3.
- Hardy, D. E. and K. Y. Kaneshiro. 1981. Drosophilidae of Pacific Oceania. In the Genetics and Biology of Drosophila. J. Thompson, H. L. Carson, and M. Ashburner Eds. Acad. Press, New York.
- Kaneshiro, K. Y. and J. S. Kurihara. 1981. Sequential differentiation of sexual behavior in populations of *Drosophila silvestris*. Pacific Science 35(3):177-183.
- Kaneshiro, K. Y. and H. L. Carson. 1982. Selection experiments on mating behavior in *Drosophila silvestris*. Genetics 100:s34.
- Kaneshiro, K. Y. and A. T. Ohta. 1982. The flies fan out. Natural History Magazine 91:54-59.
- Kaneshiro, K. Y. 1983. *Drosophila (Sophophora) suzukii* (Matsumura). Proc. Hawaiian Entomol. Soc. 157-204
- Kaneshiro, K. Y. 1983. Sexual selection, direction of evolution and the biosystematics of Hawaiian Drosophilidae. Ann. Rev. of Ent. 28:161-178.
- Moy, J. H., K. Y. Kaneshiro, A. T. Ohta, and N. Nagai. 1983. Radiation disinfestation of California stone fruits infested by medfly - Effectiveness and fruit quality. Journal of Food Science 48:928-934.
- Montague, J. R. and K. Y. Kaneshiro. 1983. Flower-breeding species of Hawaiian drosophilids in an early stage of sympatry. Pacific Insects 24(3-4): 209-213.
- Kaneshiro, K. Y., A. T. Ohta, J. S. Kurihara, K. M. Kanegawa, and L. R. Nagamine. 1983. Gamma radiation treatment for disinfestation of the medfly in California fruits. I. Stone fruits. Proc. Haw. Ent. Soc. 24(2-3): 245-260.
- Arita, L. H. and K. Y. Kaneshiro. 1983. Pseudomale courtship behavior of the female Mediterranean fruit fly, *Ceratitis capitata* (Wied.) Proc. Haw. Ent. Soc. 24(2-3):205-210.
- Arita, L. H. and K. Y. Kaneshiro. 1984. The dynamics of the lek system and mating success in males of The Mediterranean fruit fly, *Ceratitis capitata* (Wiedemann). Proc. Haw'n. Entomol. Soc. 25:39-48.
- Kaneshiro, K. Y., A. T. Ohta, J. S. Kurihara, K. M. Kanegawa, and L.R. Nagamine. 1985. Gamma radiation treatment for disinfestation of the medfly in 35 varieties of California grown fruits in Radiation Disinfestation of Food and Agricultural Products. J. H. Moy (Ed.). pp. 98-110.
- Ohta, A. T., K. Y. Kaneshiro, J. S. Kurihara, K. M. Kanegawa, and L. R. Nagamine. 1985. Is the probit 9 security level appropriate for disinfestation using gamma radiation? In Radiation Disinfestation of Food and Agricultural Products. J. H. Moy (ed.). pp. 111-115.
- Arita, L. H. and K. Y. Kaneshiro. 1986. The structure and function of the anal glands during mating behavior of the Mediterranean fruit fly, *Ceratitis Capitata* (Wiedemann). Proc. Haw'n. Entomol.

- Soc. 26:27-30.
- DeSalle, R., L. V. Giddings, and K. Y. Kaneshiro. 1986. Mitochondrial DNA variability in natural populations of Hawaiian *Drosophila*. II. Genetic and phylogenetic relationships of natural populations of *D. silvestris* and *D. heteroneura*. *Heredity* 56:87-97.
- Kaneshiro, K. Y. and L. V. Giddings. 1987. The Significance of asymmetrical sexual isolation and the formation of new species. In *Evolutionary Biology*. M. K. Hecht, B. Wallace, and G. Prance, Eds. Plenum Publishing Co. Vol. 21. pp. 29-43.
- Kaneshiro, K. Y. and C. R. B. Boake. 1987. Sexual selection and speciation: Issues raised by Hawaiian *Drosophila*. *Trends in Ecol. and Evol. Biol.* 2:207-212.
- Kaneshiro, K. Y. 1987. The Dynamics of sexual selection and its pleiotropic effects. *Behav. Genetics* 17:559-569.
- Kaneshiro, K. Y. 1987. Speciation via sexual selection versus adaptive evolution in Hawaiian *Drosophila*. *Insect Science and its Application* 8:447-552.
- Kaneshiro, K. Y. and H. L. Carson. 1987. Sexual selection and the pomace fly. *The Nature Conservancy News* 37:23-25.
- Hoikkala, A., R. Hoy, and K. Y. Kaneshiro. 1987. Courtship sounds of Hawaiian *Drosophila* flies. Abstr. 10th European *Drosophila* Research Conference. Barcelona, Spain.
- Hoikkala, A., R. Hoy, and K. Y. Kaneshiro. 1987. Mysterious high-frequency clicking sounds of Hawaiian picture-winged *Drosophila* species. Abstr. *Evolutionary Biology Conf.* Basel, Switzerland.
- Kaneshiro, K. Y. 1988. Modes of speciation in Hawaiian *Drosophila*. *Bioscience* 38:258-263.
- Hoy, R. H., A. Hoikkala, and K. Y. Kaneshiro. 1988. Hawaiian lovesongs: Evolutionary Innovation in courtship songs of *Drosophila*. *Science* 240: 217-219.
- Arita, L. H. and K. Y. Kaneshiro. 1988. Body size and mating success in males of the Mediterranean fruit fly. *Pacific Science* 42:173-177.
- Kaneshiro, K. Y. 1989. Biological uniqueness of Hawaii's Biota. In *Conservation Biology in Hawaii*, C. P. Stone and D. B. Stone (Eds.), University of Hawaii Press, Honolulu. pp. 7-10.
- Carson, H.L., K. Y. Kaneshiro, and F. C. Val. 1989. Natural hybridization between the sympatric Hawaiian species *Drosophila silvestris* and *Drosophila heteroneura*. *Evolution* 43:190-203.
- Kaneshiro, K. Y. 1989. The dynamics of sexual selection and founder effects in species formation. In *Genetics, Speciation and the Founder Principle*, L.V. Giddings, K.Y. Kaneshiro, and W.W. Anderson, Eds. Oxford Press pp. 279-296.
- Hoikkala, A., R. H. Hoy, and K. Y. Kaneshiro. 1989. High-frequency clicking sounds of Hawaiian picture-winged *Drosophila* species. *Animal Behavior* 37:927-934.
- Ohta, A.T., K.Y. Kaneshiro, J.S. Kurihara, K.M. Kanegawa, and L.R. Nagamine. 1989. Gamma radiation and cold treatments for the disinfestation of the Mediterranean fruit fly in California-grown oranges and lemons. *Pacific Science* 43(1):17-26.
- Arita, L. H. and K. Y. Kaneshiro. 1989. Sexual selection and lek behavior in the Mediterranean fruit fly, *Ceratitis capitata* (Wiedemann) : Tephritidae). *Pacific Science* 43:135-143.
- Val, F.C. and K. Y. Kaneshiro. 1989. *Drosophilidae* (Diptera) from the Estacao Biologica de Boraceia on the coastal range of the State of Sao Paulo, Brazil: Geographical distribution. Vanzolini, P. E. and W.R. Heyer, Eds. *Proceedings of Workshop on Neotropical Distribution Patterns*. Academia Brasileira de Ciencias: Rio de Janeiro.
- Kaneshiro, K. Y. 1990. Natural hybridization in *Drosophila* with special reference to species from Hawaii. *Can. J. Zool.* 68:1800-1805.
- Perreira, W.D. and K.Y. Kaneshiro. 1990. Three new species of picture-winged *Drosophila* from the Hawaiian Islands. *Proc. Haw. Ent. Soc.* 30:79-84.
- Whittier, T.S. and K. Y. Kaneshiro. 1991. Male mating success and female fitness in the Mediterranean

- fruit fly (Diptera: Tephritidae). *Ann. Ent. Soc. Am.* 84:608-611.
- Shelly, T. and K. Y. Kaneshiro. 1991. Lek behavior of the Oriental fruit fly, *Dacus dorsalis*, in Hawaii (Diptera:Tephritidae). *J. Insect Behav.* 4:235-241.
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Recent and Current Research Awards:

Kure Atoll Ecological Field Station. SoH DLNR – January 2013 thru March 2022; \$2,521,874.
Oahu Wildlife Habitat Restoration and Management. SoH DLNR – January 2013 thru December 2021; \$3,865,190.
Kauai Wildlife Habitat Restoration and Management. SoH DLNR – November 2016 thru September 2021; \$275,637.
Kauai Watershed Protection and Management. SoH DLNR – August 2016 thru April 2022; \$540,170.
Native Invertebrates: Captive Propagation. SoH DLNR – January 2016 thru December 2021; \$985,190.
Hawaii Conservation Alliance. Federal Agencies: Defense, NRCS, FWS, USGS, USFS, NPS, NOAA, USDA. October 2012 thru June 2022; \$986,493.
Support for STEM Activities. Iolani School – September 2015 thru September 2020; \$252,252.
Native Invertebrate: Picture-Wing Flies. SoH DLNR – November 2015 thru April 2022; \$209,746.
Volcano Rare Plant Propagation Facility. SoH DLNR – May 2013 thru September 2022; \$1,464,629.
Olinda Rare Plant Propagation Facility. SoH DLNR – November 2012 thru September 2022; \$796,155.
Rare Plant Propagation. US Department of Defense (Army) September 2013 thru September 2022; \$363,203.
Project Support for the Snail Extinction Prevention Program – SoH DLNR- February 2019 thru July 2021; \$1,153,994
Support for STEM Activities in the Ala Wai Watershed. Iolani School – September 2015 – September 2022; \$361,332.

Awards of Recognition:

2003 Distinguished Service in Conservation Biology Award by the Hawaii Conservation Alliance.
2005 Permanent exhibit in six Natural History Museums which "...features the work of scientists who are making leading discoveries about the evolution of life." <http://explore-evolution.unl.edu/overview.html>