

## Vincent H. Resh

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### **Education:**

Georgetown University: B.S. 1967

Niagara University: M.S. 1969

University of Louisville: Ph.D. 1973

### **Research and Teaching Appointments include:**

Chair, Division of Organisms and the Environment, Department of Environmental Science, Policy & Management, University of California, Berkeley, 2007-2008

Professor of Entomology, Department of Environmental Science, Policy, and Management, University of California, Berkeley, California, 1984 - present

Director, The University of California Richard B. Gump South Pacific Biological Research Station, Moorea, French Polynesia, 1996 – 2001, Acting Director 1991-1992

Associate Professor, University of California, Berkeley, California, 1979 – 1984

Assistant Professor, University of California, Berkeley, California, 1975 - 1979

Assistant Professor, Department of Biology, Ball State University, Muncie, Indiana, 1973 - 1975

### **Honors include:**

Doctor *Honoris Causa*, University of Lyon, France 2009

North American Benthological Society (Society of Freshwater Sciences) “Award of Excellence” 2005

Entomological Society of America, Pacific Branch, “Award of Recognition for Outstanding Contributions to Entomology” 2005; “Outstanding Teaching in Entomology” 1994

Awards for “Encyclopedia of Insects” include:

- “Most Outstanding Single-Volume Reference in Science”, Association of American Publishers 2003;
- “Outstanding Academic Title”, CHOICE 2003;
- “Best of Reference”, New York Public Library 2003 and American Library Journal 2003.
- “Outstanding Book” Association of College and Research Libraries 2010 (2<sup>nd</sup> edition)

Elected Fellow, California Academy of Sciences, 1995

Distinguished Teaching Award, University of California, Berkeley, 1995

Centre National de la Recherche Scientifique (Post Rouge) Fellowship, France, 1992

Natural Resources Teaching Award (First Recipient), University of California, Berkeley, 1990

Lady Davis Visiting Professor, Hebrew University of Jerusalem, 1990

K. H. Doan Publication Award (Honorable Mention) "The Ecology of Aquatic Insects" (1984)

Rockefeller Foundation Scholar-in-Residence, Bellagio, Italy, 1982

Scholar-Diplomat Seminar, U.S. Department of State, 1981

**Guest Professorships and Short Courses include:**

Associated Universities for International Education, 1974-1976 (Belize and Guatemala)  
University of Trondheim (Norway), 1977  
University of Karlsruhe (West Germany), 1985  
University of Montana Biological Station, 1985, 1987, 1991, 1993  
Brigham Young University (Utah), 1986  
Hebrew University of Jerusalem (Israel), 1990-1991  
University of Lyon (France), 1992, 1999  
Monash University, University of Canberra, Murdoch University (Australia), 1996  
Australian Agency for International Development (conducted workshops at 5 universities throughout Thailand), 1998  
University of Barcelona, Spain, 2003, 2012  
Osaka Prefecture University, Japan, 2010  
National Taiwan University 2013  
Korea University 2014  
Nanjing Agricultural University 2015

**Professional Service** includes:

Member, Science Advisory Board, Russian River 2012-present  
Member, Delta Independent Science Board, Delta Stewardship 2010-present  
Advisor, Mekong River Commission, Development of a multi-country biological monitoring program, 2002-present  
Advisor, World Health Organization, Onchocerciasis (River blindness) Control Programme in West Africa, 1995 - present; Chair, Ecological Group, and Member, Expert Advisory Committee 1999-2003  
Joint Editorial Board Committee, Standard Methods for the Examination of Water and Wastewater (American Public Health Association), 1986 - 2006  
Editor, Annual Review of Entomology, 1976 –1998  
Board of Trustees, Marine Science Institute, 1992-1997  
President, North American Benthological Society, 1983 - 1984

**Teaching** includes:

Biology 1B. General Biology (4-5 semester units) Taught 1988-2011, >20,000 students  
Environmental Science, Policy and Management (ESPM) 115B. Biology of Aquatic Insects (3 units), taught regularly since 1976  
ESPM 301. Professional Preparation for Teaching (2 units) Taught for 8 years  
ESPM 302. Effective Scientific Communication (2 units) Taught regularly since 1978  
ESPM C107. Biology of Tropical Islands (13 units). Students spend 6 weeks on campus and 9 weeks at Gump Biological Station, Moorea, French Polynesia. Taught regularly since 1991  
ESPM 101A. Ecology of the Sierra Nevada (4 units). Students spend 3 weeks at a UC Berkeley Field Station (Forestry Camp). Taught regularly since 1990  
ESPM 147. Aquatic Entomology: Ecology to Genomes (2 units) Taught 2012  
College of Natural Resources 24. Science Goes to the Movies: Depictions of Science and Scientists in Cinema (1 unit) Taught regularly 204-2009; seminars presented annually  
Courses previously taught include: Insect Ecology, Biology of Herbivores, Limnology, Ichthyology, Conservation Biology

## BIBLIOGRAPHY

### VINCENT H. RESH

- A 1. Blankenship, B. S. and Resh, V. H. 1971. An unusual record of feeding in *Cottus carolinae*. Transactions of the Kentucky Academy of Sciences 32:10-11.
- A 2. Resh, V. H. 1971. The maintenance requirement of the brook stickleback, *Culaea inconstans* (Kirkland). Transactions of the Kentucky Academy of Sciences 32:32-35.
- A 3. Covell, C. V. and Resh, V. H. 1971. Relative abundance of *Culex pipiens* and *Culex restuans* in catch basins in Jefferson County, Kentucky. Mosquito News 31:73-76.
- A 4. Resh, V. H. 1971. Larval habitats of mosquitoes in Jefferson County, Kentucky. Mosquito News 31:446-448.
- C 5. Resh, V. H., Hoyt, R. D., and Neff, S. E. 1971. The status of the common shiner *Notropis cornutus chrysocephalus* (Rafinesque) in Kentucky. Proceedings of the 25th Annual Conference of the Southeastern Association of Game and Fish Commissioners 25:550-556.
- A 6. Resh, V. H. 1972. A technique for rearing caddisflies. Canadian Entomologist 104:1959-1961.
- A 7. Resh, V. H., Baker, C. R., and Clay, W. M. 1972. A preliminary list of the fishes of the Land Between the Lakes, Cumberland and Tennessee River drainages, Kentucky. Transactions of the Kentucky Academy of Sciences 33:73-80.
- A 8. Resh, V. H. and Whittaker, F. H. 1973. Records of hippoboscid flies and other ectoparasites from cattle egrets in Puerto Rico. Florida Entomologist 56:233-234.
- C 9. Resh, V. H. and Haag, K. H. 1973. Species diversity, parasitism, and flight activity of caddisflies in a Kentucky stream. Proceedings of the 28th meeting of the North Central Branch of the Entomological Society of America 28:155-164.
- A 10. Resh, V. H. and Haag, K. H. 1974. New records of parasitism of caddisflies by erythraeid mites. Journal of Parasitology 60:382-383.
- A 11. Resh, V. H. 1974. New species of *Athripsodes* caddisflies from Eastern United States (Trichoptera: Leptoceridae). Journal of the Georgia Entomological Society 9:267-269.
- A 12. Resh, V. H. 1975. The use of transect sampling techniques in estimating single species production of aquatic insects. Verhandlungen International Vereinigung f,r Theoretische und Angewandte Limnologie 19:3089-3094.

- A 13. Resh, V. H., Haag, K. H., and Neff, S. E. 1975. Community structure and diversity of caddisfly adults from the Salt River, Kentucky. *Environmental Entomology* 4:241-253.
- A 14. Resh, V. H. and Unzicker, J. D. 1975. Water quality monitoring and aquatic organisms: the importance of species identification. *Journal of the Water Pollution Control Federation* 47:9-19.
- A 15. Resh, V. H. 1975. A distributional study of the caddisflies of Kentucky. *Transactions of the Kentucky Academy of Sciences* 36:6-16.
- B 16. Resh, V. H. 1976. Life cycles of invertebrate predators of fresh- water sponge. pp. 299-314, In: F. W. Harrison and R. F. Cowden (eds.), *Aspects of Sponge Biology*, Academic Press, New York.
- C 17. Resh, V. H. 1976. Changes in the caddisfly fauna of Lake Erie, Ohio, and the Rock River, Illinois, over a fifty year period of environmental degradation. *Proceedings of the 1st International Symposium on Trichoptera* 1:167-170.
- A 18. Resh, V. H., Morse, J. C., and Wallace, I. D. 1976. The evolution of the sponge feeding habit in the caddisfly genus *Ceraclea*. *Annals of the Entomological Society of America* 69:937-41.
- A 19. Resh, V. H. 1976. Life histories of coexisting species of *Ceraclea* caddisflies: the operation of independent functional units in a stream ecosystem. *Canadian Entomologist* 108:1303-1318.
- A 20. Resh, V. H., White, D. S., Elbert, S. A., Jennings, D. E., and Krumholz, L. A. 1976. Vertebral variation in the emerald shiner, *Notropis atherinoides* (Rafinesque): a possible contradiction of the ecogeographic rule. *Bulletin of the Southern California Academy of Sciences* (C. Hubbs commemorative issue) 75:76-84.
- A 21. Resh, V. H. 1976. Biology and immature stages of the caddisfly genus *Ceraclea* in eastern North America (Trichoptera: Leptoceridae). *Annals of the Entomological Society of America* 69:1039-1061.
- A 22. Resh, V. H. 1977. Habitat and substrate influences on population and production estimates of a stream caddisfly, *Ceraclea ancylus* (Leptoceridae). *Freshwater Biology* 7:261-277.
- C 23. Lamberti, G. A. and Resh, V. H. 1977. Spatial distribution patterns and sampling variability in the benthic chironomid fauna of Clear Lake, California. *Proceedings of the California Mosquito Control Association* 45:222-225.
- B 24. Resh, V. H. and Solem, J. O. 1978. Phylogenetic relationships and evolutionary adaptations of aquatic insects. pp. 33-42, In: R. W. Merritt and K. W. Cummins (eds.), *An*

Introduction to the Aquatic Insects of North America, Kendall/Hunt Publishing Company, Dubuque, Iowa.

B 25. Merritt, R. W., Cummins, K. W., and Resh, V. H. 1978. Collecting, sampling and rearing methods for aquatic insects. pp. 13-28, In: R. W. Merritt and K. W. Cummins (eds.), An Introduction to the Aquatic Insects of North America, Kendall/Hunt Publishing Company, Dubuque, Iowa.

C 26. Resh, V. H. 1978. Preliminary observations on spatial distribution patterns of stream caddisfly populations. Proceedings of the 2nd International Symposium on Trichoptera 2:65-70.

A 27. Resh, V. H. and Sorg, K. L. 1978. Midsummer flight activity of caddisfly adults from a northern California stream. Environmental Entomology 7:396-398.

A 28. Resh, V. H., White, D. S., and White, S. J. 1978. Lake Texoma caddisflies (Insecta: Trichoptera): 1. Species present and faunal changes since impoundment. Southwest Naturalist 23:381- 388.

F 29. Resh, V. H. 1978. Book review: Inland fishes of California. Journal of the Fisheries Research Board of Canada 34:2429-2430.

F 30. Denning, D. G. and Resh, V. H. 1978. Book review: Larvae of North American caddisfly genera (Trichoptera). Pan-Pacific Entomologist 54:560.

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B 35. Gottfried, J. L. and Resh, V. H. 1979. Developing modules for field exercises in aquatic entomology. pp. 81-93, In: V. H. Resh and D. M. Rosenberg (eds.), Innovative Teaching in Aquatic Entomology, Canadian Special Publications in Fisheries and Aquatic Sciences 43:1-118.

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- A 37. Lamberti, G. A. and Resh, V. H. 1979. Substrate relationships, spatial distribution patterns, and sampling variability in a stream caddisfly population. Environmental Entomology 8:561-567.
- F 38. Denning, D. G. and Resh, V. H. 1979. Obituary: Herbert H. Ross. Pan-Pacific Entomologist 55:74.
- C 39. Resh, V. H. and Balling, S. S. 1979. Ecological impact of mosquito control recirculation ditches on San Francisco Bay marshlands: preliminary considerations and experimental design. Proceedings of the California Mosquito and Vector Control Association 47:72-78.
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- A 43. Gall, G. A. Cech, E. J., Garcia, R., Resh, V., and Washino, R. 1980. Mosquito Fish: an established predator. California Agriculture 34:21- 22.
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- B 57. Unzicker, J. D., Resh, V. H., and Morse, J. C. 1982. Trichoptera. pp. 1-138, In: A. R. Brigham, W. Y. Brigham, and A. Gnilka (eds.), *Aquatic Insects and Oligochaetes of North and South Carolina* 9.
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- A 62. Balling, S. S. and Resh, V. H. 1983. The influence of mosquito control recirculation ditches on plant biomass, production, and composition in two San Francisco Bay salt marshes. *Estuarine, Coastal and Shelf Science* 16:151-161.
- A 63. Resh, V. H. and Balling, S. S. 1983. Tidal circulation alteration for salt marsh mosquito control. *Environmental Management* 7:79-84.
- F 64. Resh, V. H. 1983. Delays and defaults: an editor's dilemma. (Editorial). *Bioscience* 33:79.
- A 65. Balling, S. S. and Resh, V. H. 1983. Mosquito Control and salt marsh management: factors influencing the presence of *Aedes* larvae. *Mosquito News* 43:212-218.
- A 66. Balling, S. S. and Resh, V. H. 1983. A method of determining pond inundation height for use in salt marsh mosquito control. *Mosquito News* 43:239-240.
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- A 69. Denning, D. G., Resh, V. H., and Hogue, C. L. 1983. New species of *Phylloicus* and a new neotropical genus of Calamoceratidae (Trichoptera). *Aquatic Insects* 5:181-191.
- A 70. Resh, V. H. 1983. Spatial differences in the distribution of benthic macroinvertebrates along a spring brook. *Aquatic Insects* 5:193-200.
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- A 75. Barnby, M. A. and Resh, V. H. 1984. Distribution and seasonal abundance of brineflies (Diptera: Ephydriidae) in a San Francisco Bay Salt Marsh. *Pan-Pacific Entomologist* 60:37-46.
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- A 77. Wood, J. R. and Resh, V. H. 1984. A demonstration of sex pheromones in caddisflies (Trichoptera). *Journal of Chemical Ecology* 10:171-175.
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- B 79. Resh, V. H. and Rosenberg, D. M. 1984. Introduction. pp. 1-8, In: V.H. Resh and D.M. Rosenberg (eds.), *The Ecology of Aquatic Insects*, Praeger Scientific, New York.
- A 80. Balling, S. S. and Resh, V. H. 1984. Life history variability in the water boatman *Trichocorixa reticulata* (Hemiptera: Corixidae) in San Francisco Bay salt marsh ponds. *Annals of the Entomological Society of America* 77:14-19.
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- B 82. Merritt, R. W., Cummins, K. W., and Resh, V. H. 1984. Collecting, sampling, and rearing methods for aquatic insects. pp. 11-26, In: R.W. Merritt and K.W. Cummins (eds.), *An Introduction to the Aquatic Insects of North America*, 2nd ed., Kendall/Hunt Publishing Company, Dubuque, Iowa.
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## CATEGORIES OF PUBLICATIONS

A = Research Papers in Refereed Journals.

B = Invitational Review Papers and Chapters in Books.

C = Non-Refereed Papers.

D = Abstracts and Notes.

E = Books.

F = Miscellaneous.