JEANNETTE YEN
School of Biology
Georgia institute of Technology, Atlanta, GA 30332

EDUCATION:
Ph.D. in Oceanography, University of Washington, 1982 (thesis advisor: B.W. Frost)
M.S. in Oceanography, University of Washington, 1977
B.A. in Biology, Bryn Mawr College, 1975

PROFESSIONAL EXPERIENCE:
2002-present, Professor, School of Biology, Georgia Institute of Technology
2000-2002, Associate Professor, School of Biology, Georgia Tech
1994-2000, Associate Professor, Marine Sciences Research Center, State University of New York-Stony Brook
1989-1994, Assistant Professor, Marine Sciences Research Center, SUNY-Stony Brook
1983-1989, Research scientist, Hawaii Institute of Geophysics, Hawaii Institute of Marine Biology

ACADEMIC HONORS:
State University of New York-Stony Brook's Academy of Teacher Scholars, 1998.
Innovative Teaching Projects, SUNY - Stony Brook 1996
Ocean Turbulence: A basic environmental property for plankton, 1995. Institute of Sciences, Barcelona, Spain. w/ Marrase et al. [course participation]
NATO postdoctoral fellowship, Institute of Marine Biochemistry, Scotland, 1983.
Fulbright-Hayes postdoctoral fellowship, U. of Bergen, 1982.

SYNERGISTIC ACTIVITIES:
Co-editor of special issue of *Hydrobiologia*, entitled: Progress in Zooplankton Biology, 2002.
Co-editor of special issue of *Oceanography*: 12(1), entitled: Tribute to Akira Okubo, 1999.
Team taught courses:
Marine Chemosensory Ecology, U. Washington graduate summer course. Jumars, Zimmer et al. 1999.
Sensory Ecology of Aquatic Crustaceans and Fishes, U. Bergen, Norway, graduate/post-graduate short course. Browman, Hawryshyn, Vidar. 1999.
Georgia Institute of Technology committees: Executive Cmte, Active Learning Cmte

SCIENTIFIC ADVISORY COMMITTEES:
Polar Collection Advisory Board, Smithsonian, 1991.
Council Delegate for American Association for the Advancement of Science, 1991.
Co-editor of special issue of *Oceanography*: 12(1), entitled: Tribute to Akira Okubo, 1999.
Co-editor of special issue of *Hydrobiologia*, entitled: Progress in Zooplankton Biology, 1999.

CURRENT RESEARCH SUPPORT:
1.A novel apparatus for simulating oceanic turbulence, National Science Foundation: Ocean Technology and Interdisciplinary Coordination program, D. Webster and J. Yen. 2002, 2y.
2. Chemical communication in marine ecosystems, The Camille and Henry Dreyfus Foundation, Postdoctoral Program in Environmental Chemistry, J. Kubanek, M. Hay, J. Yen. 2002, 2y.
3.The salmon louse infection reaction: host-specific hydrodynamics, Norwegian Research Council, P. Heuch, J. Yen. 2002, 3y.
4. Fluid mechanical and chemical cues in Thin Layers: Role in organizing zooplankton aggregations. Office of Naval Research. Yen, Weissburg, Webster. 2003, 3y.
5. *Dynamic similarity or size proportionality? Adaptations of a polar copepod*. National Science Foundation, Polar Programs.Yen, Webster, Weissburg. 2003, 1y.

OTHER COLLABORATORS: A. Alldredge, R.A. Armstrong, G.A. Boxshall, P.A. Moore, J. R. Strickler, D. Webster, M.J. Weissburg.

SELECTED PUBLICATIONS:

Webster, D.R., A. Brathwaite, J. Yen. 2004. A Novel Laboratory Apparatus for Simulating Isotropic Oceanic Turbulence at Low Reynolds Number. Limnology and Oceanography: Methods 2: 1-12.

Yen, J., A. Prusak, M. Caun, M. H. Doall, J. Brown, and J.R. Strickler. 2004. Signaling during mating in the pelagic copepod, *Temora longicornis*. Ch. 10, In: "*Scales in aquatic ecology: measurements, analysis, modelling*", Editor: L. Seuront and P. Strutton. CRC Press.

Banas, N.S., D-P Wang, J. Yen. 2004. Experimental validation of an individual-based model for zooplankton swarming. Ch. 11, In: "*Scales in aquatic ecology: measurements, analysis, modelling*", Editor: L. Seuront and P. Strutton. CRC Press.

Yen, J. 2000. Life in transition: balancing inertial and viscous forces by planktonic copepods. Biol. Bull. 198: 213-224.

Yen, J. , M.J. Weissburg, and M.H. Doall. 1998. The fluid physics of signal perception by a mate-tracking copepod. Phil. Trans. Royal Society of London 353:787-804.

Yen, J. and J.R. Strickler. 1996. Advertisement and concealment in the plankton: What makes a copepod hydrodynamically conspicuous? Invert. Biol.115: 191-205.