

Curriculum Vitae

Name: **Michael Steven Stekoll**

Address: Home - Box 210346 Auke Bay, Alaska 99821
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Citizenship: U.S.A.

Education:	1965-71	Stanford University	B.S. Chemistry A.B. Psychology (coursework)
	1971-76	University of California at Los Angeles	Ph.D. Biochemistry Minors: Plant Biochemistry Microbiology

Academic Experience:

Professor of Chemistry and Biochemistry/Department of Natural Sciences, University of Alaska, Southeast. Jointly appointed to the University of Alaska, Fairbanks, Juneau Center School of Fisheries and Ocean Sciences.

August, 1991 to present.

Teaching university level courses, both undergraduate and graduate, in general chemistry, organic chemistry, biochemistry, marine pollution, and phycology. Research on fish biochemistry, algal physiology/ecology and mariculture, and marine pollution.

Visiting Professor/University of Cape Town, Cape Town, South Africa

February 2007 to December 2007

Sabbatical leave from the University of Alaska SE. Research with Drs. John Bolton and Rob Anderson on *Porphyra* physiological ecology related to abalone culture.

Visiting Research Associate/University of Connecticut, Stamford, Connecticut.

September 1997 to March 1998

Sabbatical leave from the University of Alaska SE. Research with Dr. Charles Yarish on *Porphyra* mariculture and on applications of computer technology to deliver course information in phycology.

Associate Professor of Chemistry and Biochemistry/ School of Fisheries and Science, University of Alaska, Juneau, with a joint appointment at the University of Alaska Fairbanks, Juneau Center for Fisheries and Ocean Sciences.

August 1983 to July 1991

OFCF Trainee/Hokkaido Regional Fisheries Research Laboratory, Kushiro, Hokkaido, Japan.

July, 1987 to October, 1987.

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Research and training with Dr. Y. Sanbonsuga on the culture of Laminariales algae. Emphasis was on the mariculture of *Laminaria* and *Macrocystis* and on induction of gametogenesis by varying the concentration of iron in the media.

Visiting Associate Research Biologist/ Marine Science Institute, University of California at Santa Barbara

July, 1986 to June, 1987

Sabbatical leave from the University of Alaska. Research with Dr. Michael Neushul on the mariculture of *Macrocystis* (giant kelp) with emphasis on the control of the induction of gametogenesis.

Acting Dean / School of Fisheries and Science, University of Alaska, Juneau.

September, 1981 to May, 1982.

Coordinator of undergraduate and graduate programs in biology and fisheries.

Assistant Professor / School of Fisheries and Science, University of Alaska, Juneau.

August, 1978 to August, 1983.

Research Biochemist / National Marine Fisheries Service, Auke Bay Laboratory, Juneau, Alaska.

May, 1979 to September, 1979.

Research with Dr. Stanley Rice on the induction of aryl hydrocarbon hydroxylase in coho salmon and Dolly Varden char caused by exposure to components in crude oil.

Post-doctoral / Institute of Marine Science, University of Alaska, Fairbanks.

April, 1976 to June, 1978.

Research with Dr. David Shaw on the effects of chronic oil pollution on marine invertebrates.

Graduate Research Trainee / UCLA, Los Angeles, California.

September, 1971 to April, 1976.

Research under Dr. Charles A. West on the induction of the phytoalexin response in castor bean plants. Purified and characterized an elicitor of casbene from the fungus *Rhizopus stolonifer*.

Teaching Assistant / UCLA, Los Angeles, California.

September, 1971 to March, 1976.

Assisted in teaching university level courses in general chemistry laboratories, and in both labs and lectures for introductory and advanced biochemistry.

Teaching Assistant / Hopkins Marine Station, Stanford University, Pacific Grove, California.

July, 1971 to August, 1971

Assisted in teaching an undergraduate class in comparative marine biochemistry, both lab and lecture.

Undergraduate Research / Hopkins Marine Station, Stanford University, Pacific Grove, California.

March, 1971 to August, 1971.

Research on the degradation of polychlorinated biphenyls in marine sediments. Dr. John Phillips, advisor.

Laboratory Technician / Stanford Research Institute, Menlo Park, California.

June, 1969 to September, 1969.

Research on the synthesis of organic polymers for use in dentistry.

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Academic Administration:

Chair of the Department of Natural Sciences, University of Alaska Southeast AY 2001-2005,
AY 2009-2010
Chair, Faculty Council, University of Alaska Southeast AY 2001-2002.
Member, Statewide Faculty Alliance, University of Alaska AY 2000-2003
Faculty Council Representative at Large (faculty chair), University of Alaska Southeast AY
2000-2002.
Chair of Math/Science Department, University of Alaska Southeast, AY 1999-2000.
Radiation Safety Officer, University of Alaska Juneau and Southeast 1981-99.
Diving Control Board, University of Alaska Fairbanks, 1990-2000
Grievance Officer, (United Academics) University of Alaska Southeast, 1996-2000.
Faculty Union (United Academics) Organizational Vice-president, University of Alaska,
Juneau campus, 1996-98, 2000-2002.
Faculty Senate President, University of Alaska Juneau, AY 1984-86.
Chair Academic Council, University of Alaska Juneau, AY 1982-83
Acting Dean, School of Fisheries and Sciences, University of Alaska Juneau, AY 1981-82.

Honors Received:

2000	UAS (UA) Distinguished Faculty Award
1996	Who's Who in Science and Engineering (3rd ed.)
1987	Japan Overseas Fishery Cooperation Foundation Trainee Scholarship
1986	Who's Who in the West
1972-76	NIH Research Trainee, UCLA
1974-75	Outstanding Teaching Award, UCLA
1972-73	Outstanding Teaching Award, UCLA
1971	NSF Research Scholarship, Hopkins Marine Station
1970-71	Dean's List, Stanford University

Memberships in Professional/Civic Organizations:

Phycological Society of America
Western Society of Naturalists
International Seaweed Association
Society of Environmental Toxicology and Chemistry
World Aquaculture Association
Juneau Wetlands Review Board 1992-2004 (Chair 1992-97)
Scientific Advisory Panel for the Alaska Cruise Ship Initiative 2000-2003

Ph.D. Dissertation:

'Plant-fungus interactions: an elicitor from *Rhizopus stolonifer* of a phytoalexin in castor beans.' UCLA, 1976.

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Publications:

- Stekoll** M. S, W. W. Smoker, B. J. Failor-Rounds, I. A. Wang and V. Joyce. submitted. Response of the early developmental stages of hatchery reared salmonids to total dissolved solids. Submitted to the Aquaculture
- Lindstrom, S. C., J. M. Conitz, S. Hall and M. S. **Stekoll**. 2008. Induction of conchospore release: ecotypic variation in northeast Pacific species of *Porphyra*. *J. Applied Phycology* 20:331-340.
- Siddon, E. C., C. E. Siddon and M. S. **Stekoll**. 2008. Community level effects of *Nereocystis luetkeana* in southeastern Alaska. *J. Exp. Mar. Biol. Ecol.* 361:8-15.
- Lin, Rulong, S. C. Lindstrom and M. S. **Stekoll**. 2008. Photosynthesis and respiration of the conchocelis of Alaskan *Porphyra* (Bangiales, Rhodophyta) species in response to environmental variables. *J. Phycol.* 44:573-583.
- Lin, Rulong, M. S. **Stekoll**. 2007. Effects of plant growth substances on conchocelis phase of Alaskan *Porphyra* (Bangiales, Rhodophyta) species in conjunction with environmental variables. *J. Phycol.* 43(5): 1094–1103.
- Stekoll**, M. S., L.E. Deysher and M. Hess. 2006. A remote sensing approach to estimating harvestable kelp biomass. *J. Applied Phycology* 18:323-334.
- Stekoll**, Michael S. 2006. The seaweed resources of Alaska. In . Critchley, A.T, M. Ohno & D.B. Largo (eds) *World Seaweed Resources - An authoritative reference system*. ETI Information Services Ltd, Wokingham, Berkshire, UK. (Hybrid DVD-ROM) ISBN: 90 75000 80 4.
- Mearns, A., M. **Stekoll**, K. Hall, C. J. Beagle-Krause, M. Watson and M. Atkinson. 2003. Biological and ecological effects of wastewater discharge from passenger vehicles. In *Marine Technology Society (ed), Oceans 2003 MTS/IEEE Conference Proceedings*, Escondido, CA. pp. 737-747.
- Conitz, J. M., R. Fagen, S. C. Lindstrom, F. G. Plumley and M. S. **Stekoll**. 2001 Growth and pigmentation of juvenile *Porphyra torta* (Rhodophyta) gametophytes in response to nitrate, salinity and inorganic carbon. *J. Applied Phycology* 13:423-431.
- E. R. Kline and M. S. **Stekoll**. 2001. Colonization of mine tailings by marine invertebrates. *Marine Environmental Research* 51: 301-325.
- Stekoll**, M. S. and L. Deysher. 2000. Response of the dominant alga *Fucus gardneri* (Silva) (Phaeophyceae) to the *Exxon Valdez* oil spill and cleanup. *Marine Pollution Bulletin* 40:1028-1041.
- Smoker, W. W., A. J. Gharrett, M. S. **Stekoll** and S.G. Taylor. 2000. Genetic variation of fecundity and egg size in anadromous pink salmon *Oncorhynchus gorbuscha* Walbaum Alaska Fishery Research Bulletin 7:44-50.
- Kline, E. R. and M. S. **Stekoll**. 2000. Relative sensitivity of marine species to an effluent with elevated total dissolved solids. *Environmental Toxicology and Chemistry* 19:228-233
- Kline, E. R. and M. S. **Stekoll**. 2000. The role of calcium and sodium in toxicity of an effluent to mysid shrimp (*Mysidopsis bahia*). *Environmental Toxicology and Chemistry*. 19:234-341.
- Stekoll**, M. S., R. Lin and S. C. Lindstrom. 1999. *Porphyra* cultivation in Alaska: conchocelis growth of three indigenous species. *Hydrobiologia* 398/399:291-297
- Smoker, W. W., A. J. Gharrett, and M. S. **Stekoll**. 1998. Genetic variation of return date in a population of pink salmon: a consequence of fluctuating environment and dispersive selection? *Alaska Fishery Research Bulletin* 5:46-54

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- Dean, Thomas A., Michael S. **Stekoll**, Stephen C. Jewett, Richard O. Smith and Jo Ellen Hose. 1998. Eelgrass (*Zostera marina* L.) in Prince William Sound, Alaska: effects of the *Exxon Valdez* oil spill. *Mar. Poll. Bull.* 36:201-210.
- Stekoll**, Michael S. 1998. The seaweed resources of Alaska. In: Critchley & Ohno (eds), *Seaweed Resources of the World*. Japan International Cooperation Agency, Yokosuka, 258-265.
- van Tamelen, Peter G., Michael S. **Stekoll** and Larry Deysher. 1997. Recovery processes of the brown alga, *Fucus gardneri*, following the *Exxon Valdez* oil spill: settlement and recruitment. *Mar. Ecol. Prog. Ser.* 160:265-277.
- van Tamelen, Peter G. and Michael S. **Stekoll**. 1996. The role of barnacles in recruitment and subsequent survival of the brown alga, *Fucus gardneri* (Silva). *J. Exp. Mar. Biol. Ecol.* 208:227-238.
- Stekoll**, Michael S. and Lawrence Deysher. 1996. Recolonization and restoration of upper intertidal *Fucus gardneri* (Fucales, Phaeophyta) following the *Exxon Valdez* oil spill. *Hydrobiologia* 326/327: 311-316
- Dean, Thomas A., Michael S. **Stekoll** and Richard O. Smith. 1996. Kelps and oil: the effects of the *Exxon Valdez* oil spill on subtidal algae. In Rice, S. D., R. B. Spies, D. A. Wolfe, and B. A. Wright (eds). *Exxon Valdez Oil Spill Symposium Proceedings*. American Fisheries Society Symposium Number 18: 412-423
- Highsmith, Raymond C., Tama L. Rucker, Michael S. **Stekoll**, Susan M. Saupe, Mandy R. Lindeberg, Robin Jenne and Wallace P. Erickson. 1996. Impact of the *Exxon Valdez* oil spill on intertidal biota. In Rice, S. D., R. B. Spies, D. A. Wolfe, and B. A. Wright (eds). *Exxon Valdez Oil Spill Symposium Proceedings*. American Fisheries Society Symposium Number 18: 212-237.
- van Tamelen, Peter G. and Michael S. **Stekoll**. 1996. Population response of the brown alga, *Fucus gardneri*, and other algae in Herring Bay, Prince William Sound, to the *Exxon Valdez* oil spill. In Rice, S. D., R. B. Spies, D. A. Wolfe, and B. A. Wright (eds). *Exxon Valdez Oil Spill Symposium Proceedings*. American Fisheries Society Symposium Number 18: 193-211.
- Stekoll**, Michael S., Lawrence Deysher, Raymond C. Highsmith, Susan M. Saupe, Zhanyang Guo, Wallace P. Erickson, Lyman McDonald and Dale Strickland. 1996. Coastal habitat injury assessment: intertidal communities and the *Exxon Valdez* oil spill. In Rice, S. D., R. B. Spies, D. A. Wolfe, and B. A. Wright (eds). *Exxon Valdez Oil Spill Symposium Proceedings*. American Fisheries Society Symposium Number 18: 177-192.
- van Tamelen, Peter G. and Michael S. **Stekoll**. 1995. Recovery mechanisms of the brown alga, *Fucus gardneri*, following catastrophic disturbance: lessons from the *Exxon Valdez* oil spill. *Proceedings of the Third Glacier Bay Science Symposium, 1993*. D.R. Engstrom (Ed.), National Park Service, Anchorage, Alaska. pp221-228.
- Smoker, William W., Anthony J. Gharrett and Michael S. **Stekoll**. 1994. Genetic analysis of size in an anadromous population of pink salmon. *Can. J. Fish. Aquat. Sci.* 51(Suppl. 1): 9-15.
- Dean, Thomas A., Lyman McDonald, Michael S. **Stekoll**, and Richard R. Rosenthal. 1993. Damage assessment in coastal habitats: lessons learned from the *Exxon Valdez*. *Proceedings of the 1993 International Oil Spill Conference*. American Petroleum Institute, Washington, D.C. pp. 695-697.
- Stekoll**, Michael S., Lawrence Deysher, and Thomas A. Dean. 1993. Seaweeds and the *Exxon Valdez* oil spill. *Proceedings of the 1993 International Oil Spill Conference*. American Petroleum Institute, Washington, DC. pp 135-140.

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- Roberts Jr., W. A. and Michael S. **Stekoll**. 1993. Commercial potential of seaweeds from St Lawrence Island, Alaska. 2. Evaluation of market opportunities. *J. Applied Phycology* 5:167-173.
- Stekoll**, M. S. and W. A. Roberts Jr. 1993. Commercial potential of seaweeds from St Lawrence Island, Alaska. 1. The available resource. *J. Applied Phycology* 5:161-165.
- Stekoll**, M. S. and T. S. Shirley. 1993. *In situ* spawning behavior of an Alaskan population of pinto abalone, *Haliotis kamtschatkana* Jonas, 1845. *The Veliger* 36(1):95-97.
- Stekoll**, Michael S. and Page V. Else. 1992. The artificial cultivation of *Macrocystis integrifolia*. National Coastal Resources Research & Development Institute, Portland, Oregon. 55 pp.
- Stekoll**, Michael S. and Page V. Else. 1992. The Feasibility of *Macrocystis* Mariculture in Southeast Alaska. Japan Overseas Fishery Cooperation Foundation, Tokyo. 171 pp.
- Stekoll**, Michael S. and Page V. Else. 1990. Cultivation of *Macrocystis integrifolia* (Laminariales, Phaeophyta) in southeastern Alaskan waters. *Hydrobiologia* 204/205:445-451.
- Stekoll**, Michael S. 1989. Mariculture of the kelp, *Macrocystis*, in southeast Alaska. N. W. Environ. J. 5:141-143.
- Stekoll**, M. S. 1986. Developing herring embryos exposed to oil in seawater. In C.W. Haegele (ed) Proceedings of the Fifth Pacific Coast Herring Workshop, October 29-30, 1985. Can. MS Rep. Fish. Aquat. Sci. 1871:135-138.
- Collodi, P., M. S. **Stekoll** and S. D. Rice. 1984. Hepatic aryl hydrocarbon hydroxylase activities in coho salmon (*Oncorhynchus kisutch*) exposed to petroleum hydrocarbons. *Comp. Biochem. Physiol.* 79C:337-341.
- Kendziorek, M. and M. S. **Stekoll**. 1984. Intraspecific competition and management of the Bristol Bay herring roe-on-*Fucus* fishery. *Hydrobiologia* 116/117:333-337.
- Stekoll**, M. S., M. Kendziorek, and J. McConnaughey. 1983. Preliminary report on 'roe-on-kelp' research at Bristol Bay Alaska. In K. Buchanan (ed) Proceedings of the Fourth Pacific Coast Herring Workshop, October 7-8, 1981. Can. MS Rep. Fish. Aquat. Sci. 1700:71-73.
- Stekoll**, M. S., L. E. Clement, and D. G. Shaw. 1980. Sub-lethal effects of chronic oil exposure on the intertidal clam *Macoma balthica*. *Marine Biology* 57:51-60.
- Clement, L. E., M. S. **Stekoll** and D. G. Shaw. 1980. Accumulation, fractionation, and release of oil by the intertidal clam, *Macoma balthica*. *Marine Biology* 57:41-50.
- Stekoll**, M. S. and C. A. West. 1978. Purification and properties of an elicitor of castor bean phytoalexin from culture filtrates of the fungus *Rhizopus stolonifer*. *Plant Physiol.* 61:38-45.

Popular Press Publications

- Stekoll**, M. S. 1999. Marine Plant Mariculture in Alaska: Status and Research. *World Aquaculture Magazine* 30(2):52-54,67.
- Stekoll**, M. 1995. The Herring Roe-on-Kelp Fishery and Artificially Cultivated *Macrocystis*. *NCRI News* 2(2): 6-7
- Stekoll**, Michael S. 1987. Alaska Sea Vegetables: Commercial uses and potential for mariculture. *Alaska Marine Resource Quarterly* 2(2):2-4.
- Stekoll**, M. S. 1986. Sea Vegetables. *Alaska Fish and Game* 18(3):18-21.

Papers Presented:

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- Stekoll**, M. S., D. Okamoto and G. Eckert. Competition Between and Co-existence of Algal Crusts and Subtidal Kelps. Annual meeting of the Phycological Society America, Honolulu, Hawaii, July 2009.
- Stekoll**, M. S., D. Okamoto and G. Eckert. Recruitment Competition Between Subtidal Kelps and Algal Crusts. Annual meeting of the Phycological Society of Southern Africa, Paternoster, South Africa, Jan. 2009.
- Stekoll**, M. S., W. W. Smoker, B. J. Failor-Rounds, and I. A. Wang. Response of Salmonids to Total Dissolved Solids in a Simulated Mine Effluent. Invited presentation for the annual meeting of the Alaska Chapter of the American Fisheries Society, Anchorage, Nov. 2008.
- Stekoll**, M. S., J. J. Bolton and R. J. Anderson. Physiology As a Reflection of Habitat for Western South African *Porphyra* Species. Annual Meeting of the Phycological Society of America, New Orleans, LA.. July 2008.
- Okamoto, D. K., M. S. **Stekoll** and G. L. Eckert. Recruitment Inhibition, Reproductive Inundation, and Coexistence Between Dominant Alaskan Subtidal Algal Crusts and Kelps (poster). Annual Meeting of the Phycological Society of America, New Orleans, LA.. July 2008.
- Stekoll**, M. S. Seaweed Mariculture Research in Alaska. Invited presentation at the University of Cape Town as part of the UCT Botany seminar series. May 2007
- Stekoll**, M. S., S. Lindstrom, J. Conitz and S. Hall. Induction of Conchospore Release: Ecotypic Variation in Northeast Pacific Species of *Porphyra*. XIX International Seaweed Symposium, Kobe Japan, March 2007.
- Buckley, Cadie and M. S. **Stekoll**. Seasonal Variation in Major Nitrogen Pools in *Palmaria mollis* (poster). Annual Meeting of the Phycological Society of America, Juneau, AK. July 2006.
- Stekoll**, M. S. and Gayle I. Hansen. The Alaskan *Alaria* Species, Including an Unusual Fat *Alaria* from Southeast Alaska (poster). Annual Meeting of the Phycological Society of America, Juneau, AK. July 2006.
- Rasher, D. B., E. L. Calvert and M. S. **Stekoll**. Kelp beds as Habitat for Invertebrates in Southeast Alaska. (poster). In Abstract Book. Aquatic Sciences Meeting. American Society of Limnology and Oceanography. February, 2005.
- Stekoll**, M. S. Aquatic Plant Mariculture Potential in Alaska. Invited presentation to the Shellfish Aquaculture Conference, Anchorage, Alaska, December, 2004.
- Stekoll**, M. S., E. L. Calvert, E. Meyer and D. Rasher. *Nereocystis luetkeana* as Recruitment Habitat for Fish and Invertebrates in Southeast Alaska. Annual meeting of the Phycological Society of America, Williamsburg, VA. August, 2004.
- Stekoll**, M. S. and L. Deysher. A Remote Sensing Approach to Estimating Kelp Biomass. XVIII International Seaweed Symposium, Bergen, Norway. June, 2004.
- Stekoll**, M. S. Potential for the Mariculture of Algae in SE. Alaska. Aquaculture 2004, Invited presentation to the triennial meeting of the World Aquaculture Society, Honolulu, HI, March 2004.
- Stekoll**, M. S. and L. Deysher. Mapping Floating Kelp Beds in Alaska with Remote Sensing (poster). Annual Meeting of the Phycological Society of America, Gleneden Beach, OR, June 2003.
- Brannock, P; **Stekoll**, MS; Failor, B; Wang, I. Salt and salmon: the effects of hard water ions on fertilization (poster). In Abstract Book. Aquatic Sciences Meeting. American Society of Limnology and Oceanography. February 11-15, 2002. p.142.

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- Stekoll**, M. S., B. J. Failor, I. A. Wang and W. W. Smoker. Responses of Salmonid Embryos to Total Dissolved Solids. Annual Meeting of the Society of Environmental Chemistry and Toxicology. Baltimore, MD. November 2001.
- Stekoll**, M. S. and G. I. Hansen. Biogeography of the Intertidal Benthic Algae in South-Central Alaska (poster). 7th International Phycological Congress. Thessaloniki, Greece. August 2001.
- Stekoll**, M. S. Chelated Iron and Gametogenesis in *Macrocystis* (poster). Annual Meeting of the Phycological Society of America. Estes Park, CO. June 2001
- Stekoll**, M. S., I. A. Wang, B. J. Failor and W. W. Smoker. Chronic Exposure of Salmonid Embryos to Total Dissolved Solids. Annual Meeting of the Society of Environmental Chemistry and Toxicology. Nashville, TN. November 2000.
- Lindstrom, S. C., J. M. Conitz, S. Hall and M. S. **Stekoll**. Induction of Conchospore Release in Northeast Pacific Species of *Porphyra* (poster). Annual Meeting of The Phycological Society of America. Flagstaff, AZ. August 1998
- Stekoll**, M. S., R. Wilkes and C. Yarish. Conchocelis Physiological Ecology of Sibling *Porphyra* Species from North America (poster). Annual Meeting of The Phycological Society of America. Flagstaff, AZ. August 1998.
- Stekoll**, M. S. Kelp Studies from St Lawrence Island. Invited presentation to the Arctic Kelp Workshop, Mineral Management Services. Anchorage, AK. May 1998.
- Stekoll**, M. S., S. C. Lindstrom and R. Lin. *Porphyra* Cultivation in Alaska: Conchocelis Physiological Ecology. XVI International Seaweed Symposium, Cebu, Philippines., April 1998.
- Stekoll**, M. S. Algal Biodiversity, Damage and Recovery as a Result of the *Exxon Valdez* Oil Spill. Invited presentation to City University of New York, Lehman campus, Department of Biology, New York, NY. February 1998
- Stekoll**, M. S. Seaweed Mariculture Research in Alaska. Invited symposium presentation for the World Aquaculture Society Annual Meeting, Las Vegas, NV. February 1998.
- Kline, E. R., M. S. **Stekoll**, R. H. Lambeth. Colonization by Marine Benthic Invertebrates in Mine Tailings Versus Natural Sediment. 18th Annual Meeting of the Society of Environmental Toxicology and Chemistry, San Francisco, CA. November 1997.
- Stekoll**, M. S. Intertidal Seaweeds and the *Exxon Valdez* Oil Spill. Invited presentations to Inje University, Pusan and to Chungbok National University, Daejeon, Korea. November 1997.
- Stekoll**, M. S. Intertidal Seaweeds and the *Exxon Valdez* Oil Spill. Invited presentations to Nanjing University, the Marine Fisheries Research Institute of Jiangsu, and the Academia Sinica Experimental Marine Biological Laboratory in Qingdao, China. October 1997.
- Kline, E. R. and M. S. **Stekoll**. The Role of Common Seawater Ions in Gold Mill Effluent Toxicity to Marine Zooplankton. 17th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Washington, D.C. November 1996.
- Kline, E. R. and M. S. **Stekoll**. Evaluation of Mine Tailings as a Substrate for Marine Benthic Invertebrates. 17th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Washington, D.C. November 1996.
- Stekoll**, M. S. Subtidal and Intertidal Seaweeds. Invited presentation at the 1996 Restoration Workshop *Exxon Valdez* Oil Spill Trustee Council. Anchorage, AK. January 1996
- Stekoll**, M. S. and M. Lindeberg. The *Exxon Valdez* Oil Spill and Intertidal Seaweeds. The Final Story. Western Society of Naturalists. Annual Meeting. Port Townsend, WA. January 1996.

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- Stekoll**, M. S. Coastal Habitat Injury Assessment: Summary of Algal Results. EVOS Trustee Work Plan Workshop, Anchorage, AK. January 1995.
- Stekoll**, M. S. and L. Deysher. Restoration of High Intertidal *Fucus gardneri* (Silva) Populations Using Biodegradable Erosion Control Fabric. 15th International Seaweed Symposium, Valdivia, Chile. January, 1995.
- Stekoll**, M. S., L. Deysher, and T. A. Dean. Seaweeds and the *Exxon Valdez* Oil Spill. 1993 International Oil Spill Conference (Prevention, Preparedness, Response), Tampa, FL. April, 1993.
- Stekoll**, M. S. and L. Deysher. Coastal Habitat Injury Assessment: intertidal algal communities. *Exxon Valdez* Oil Spill Symposium, Anchorage, AK. February, 1993.
- Stekoll**, M. S. The *Exxon Valdez* Oil Spill - an Overview. Annual meeting of the Western Society of Naturalists, Newport, OR. January, 1993.
- Stekoll**, M. S. The Effects of the *Exxon Valdez* Oil Spill on the Intertidal Flora of Prince William Sound. Meeting of the Society of Environmental Toxicology and Chemistry, Cincinnati, OH. November, 1992
- Stekoll**, M. S., L. M. Ridgway, and W. A. Roberts Jr. Commercial Potential of Seaweeds from St. Lawrence Island, Alaska. 14th International Seaweed Symposium, Brest/ St Malo, France. August, 1992.
- Stekoll**, M. S. Marine Algal Research at the University of Alaska, SE. Presentation to the Marine Algology Research Group of the Murmansk Marine Biological Institute, Dalnie Zelentsy, USSR. September, 1991.
- Stekoll**, M. S. Potential for Seaweed Culture in Norton Sound, Alaska. Bering Strait Regional Economic Development Conference. Nome, Alaska. April, 1991.
- Stekoll**, M. S., L. Deysher, and P. Van Tamelen. *Fucus* and Oil in Herring Bay, Prince William Sound, Alaska. Meeting of the Western Society of Naturalists, Monterey, California. December, 1990.
- Stekoll**, M. S. Aspects of research on kelps in Alaska. Meeting of the People to People Seaweed Aquaculture Delegation and the Institute of Oceanology, Academia Sinica, Qingdao, China. May, 1990.
- Ridgway, L. M. and M. S. **Stekoll**. The biology and growth dynamics of *Macrocystis integrifolia* near the northern extent of its range. Meeting of the Western Society of Naturalists, Tacoma, Washington. December, 1989.
- Ridgway, L. M. and M. S. **Stekoll**. Growth, reproduction, and population dynamics of the giant kelp, *Macrocystis integrifolia* (Bory) in southeast Alaska. 40th Arctic Science Conference, Fairbanks, Alaska. September, 1989.
- Stekoll**, M. S. and P. V. Else. Cultivation of *Macrocystis integrifolia* in sub-Arctic Alaskan waters. 13th International Seaweed Symposium, Vancouver. August, 1989.
- Stekoll**, M. S. and C. Good. Extracts of Alaskan marine algae active against a salmon pathogen. Poster presentation. Meeting of American society of Zoologists, San Francisco. December, 1988.
- Stekoll**, M. S. Development of *Macrocystis* culture in Alaska. Fourth Alaska Mariculture Conference. Sitka, Alaska. November, 1987.
- Stekoll**, M. S. On-going research in fisheries at the University of Alaska in Juneau. Presentation to the Hokkaido Regional Fisheries Research Laboratory, Kushiro, Hokkaido, Japan. September, 1987.

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- Stekoll**, M. S. Developing herring embryos exposed to oil in seawater. Fifth Pacific Coast Herring Workshop. Vancouver, British Columbia. October, 1985.
- Stekoll**, M. S. and D. R. Ackley. Lipase activity in developing pink salmon (*Oncorhynchus gorbuscha*) embryos. Poster presentation. 1985 Arctic Science Conference. Fairbanks, Alaska. September, 1985.
- James, J. M. and M. S. **Stekoll**. Energy substrate utilization in developing pink salmon embryos. 1985 Arctic Science Conference. Fairbanks, Alaska. September, 1985.
- Stekoll**, M. S. Exposure of developing herring embryos to outboard gasoline in seawater. American Fisheries Society, Alaska Chapter Annual Meeting. Juneau, Alaska. November, 1984.
- McConnaughey, J. and M. S. **Stekoll**. Growth and regeneration of *Fucus* in Bristol Bay. 34th Alaska Science Conference. Whitehorse, YT, Canada. October, 1983.
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