

KURT RANDALL BUCK

EDUCATION

1975-1979 M.S., Oceanography, Texas A&M University
1970-1974 B.S., Botany, University of New Hampshire

EMPLOYMENT

1990-Present Research Specialist, Monterey Bay Aquarium Research Institute, Moss Landing, CA.
1983-1990 Specialist, Institute of Marine Sciences, University of California, Santa Cruz, CA.
1982-1983 Research Assistant Texas A&M University.
1981-1982 Postgraduate Researcher, Center for Coastal Marine Studies, University of California, Santa Cruz, CA.
1981-1982 Consultant to DOE Strategic Petroleum Reserve Program, Louisiana, Feb-Sept.
1980-1981 Consultant to U.S. Army Corps of Engineers Cold Regions Research and Engineering Laboratory
1975-1979 Graduate Research Assistant, Department of Oceanography, Texas A&M University.

PUBLICATIONS

Barry, J.P., Buck, K.R., Lovera, C.F., Kuhnz, L., Whaling, P.J., Peltzer, E.A., Walz, P., and P.B. Brewer (2004). Effects of Direct Ocean CO₂ Injection on Deep-Sea Meiofauna. **Journal of Oceanography** 60: 759-766.

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ABSTRACTS

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Sediment standing stocks from an abyssal site in Monterey Canyon, California.
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- Chavez, F.P., J.T. Pennington, R. Herlien, G. Thurmond, C. Sakamoto and K.R. Buck (1993). Forcing and biological impact of the 1992 El Niño. **The Oceanography Society Meeting.**
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- Stoecker, D.K., K.R. Buck, and M. Putt (1992). Dynamics of microbial communities in sea ice brine. **American Society of Limnology and Oceanography, Aquatic Sciences Meeting.**
- Sakamoto, C.M., M.A. Yuen, F.P. Chavez, K.R. Buck, K.R. L.K. Rosenfeld, R. Schramm, C.E. Zenker, G.E. Friedrich and L.A. Codispoti (1992). Development of an automated surface seawater nitrate analyzer and its use in time series studies of the coupling of wind stress, nutrient distribution, primary productivity and major

- phytoplankton groups. **American Society of Limnology and Oceanography, Aquatic Sciences Meeting.**
- Work, T.M., A.M. Beale, L. Fritz, L., Quilliam, M.A., Silver, M.W., Buck, K.R. and J.L. Wright (1991). Domoic acid intoxication of brown pelicans and cormorants in Santa Cruz, California. **5th International Conference on Toxic Marine Phytoplankton.**
- Chavez, F.P., Buck, K.R., Zenker, C.E, Phinney, J., Richardson, L., Kiene, R., Matrai, P. and T. Bates. DMS and DMSP in surface waters as a function of bacterioplankton and major protist groups. **AGU Fall Meeting. EOS 72:27.**
- Buck, K.R. and F.P. Chavez (1991). Heterotrophic assemblages associated with equatorial iron enrichment experiments. **Microbial Ecology of Pelagic Environments.**
- Buck, K.R., G. Aertebjerg, J. Larsen and H. Thomsen (1991). Biomass and abundance of pelagic cyanobacteria and protists from Danish waters, July 1990. **12th Baltic Marine Biologists.**
- Chavez, F.P., K.R. Buck, K.H. Coale, J.H. Martin, G.R. DiTullio, N.A. Welshmeyer, A.C. Jacobson and R.T. Barber (1991). Growth rates, grazing, sinking and iron limitation of equatorial Pacific phytoplankton. **Special ASLO Symposium "What controls phytoplankton production in nutrient-rich areas of the open sea?"**.
- Buck, K.R., F.P. Chavez and H.A. Thomsen (1990). Choanomastigotes (Acanthoecidae) of central Californian waters: Seasonal abundance and distribution. **First International Symposium on Free-Living Heterotrophic Flagellates.**
- Thomsen, H.A. and K.R. Buck (1990). Choanoflagellate diversity. First International Symposium on Free-Living Heterotrophic Flagellates.
- Thomsen, H.A., K.R. Buck, P.A. Bolt and D.L. Garrison (1990). Fine structure and biology of *Cryothecomonas* gen. nov. (Protista incertae sedis) from the ice biota. **First International Symposium on Free-Living Heterotrophic Flagellates.**
- Chavez, F.P., C.E. Zenker and K.R. Buck (1989). Primary Production along a section 14 degrees N to 70 degrees S in the Pacific. **American Society of Limnology and Oceanography Meeting.**
- Buck, K.R., P.A. Bolt and D.L. Garrison (1989). Dinoflagellate cysts form Antarctic sea-ice. **DINO4 Conference.**
- Garrison, D.L., and K.R. Buck (1988). The biota in Antarctic pack ice. **Fifth Symposium on Antarctic Biology.**
- Bolt, P. A., K.R. Buck and D.L. Garrison (1988). A phagotrophic dinoflagellate associated with sea ice communities in the Weddell Sea, Antarctica. Phycological Society Meeting. **Journal of Phycology 27:12.**
- Garrison, D.L. and K.R. Buck. 1987. Microzooplankton in the ice-edge zone of the Weddell Sea: an AMERIEZ study. **AGU Fall Meeting. EOS 68:1708.**
- Buck, K.R., D.L. Garrison and T. Hopkins. 1987. Abundance and distribution of tintinnids in the ice edge zone : An AMERIEZ Study. **AGU Fall Meeting. EOS 68:1773.**
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- Close, A.R., D.L. Garrison and K.R. Buck. 1987. Ice algal communities in pack ice during the austral winter. **AGU Fall Meeting. EOS 68:1273.**

- Garrison, D.L. and K.R. Buck. 1986. Algal biomass in Antarctic pack ice. **AGU Fall Meeting. EOS** 67:1030.
- Gowing, M.M., D.L. Garrison, S.L. Coale, and K.R. Buck. 1986. Preliminary data on the distribution and trophic ecology of Phaeodarian Radiolarians from the Weddell Sea: An AMERIEZ study. **AGU Fall Meeting. EOS** 67:990.
- Garrison, D.L. and K.R. Buck. 1985. Microzooplankton in the ice-edge zone of the Weddell Sea: an AMERIEZ study. **AGU Fall Meeting. EOS** 66:1279.
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- Garrison, D.L. and K.R. Buck. 1985. Microbial communities in pack ice floes in the Antarctic. **Second International Phycological Congress.**
- Garrison, D.L. and K.R. Buck. 1984. Heterotrophic nanoplankton from Antarctic Sea-Ice. **EOS** 65:922.
- Garrison, D.L. and K.R. Buck. 1982. Sea-ice algae in the Weddell Sea. I. Biomass distribution and the physical environment. **AGU Fall Meeting. EOS** 63:47.
- Buck, K.R. and D.L. Garrison. 1982. Sea-ice algae in the Weddell Sea II. Population comparisons between sea-ice water column. **AGU Fall Meeting. EOS** 63:47.
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