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B.A., Colgate University, 1968 (Economics)  
M.S., University of Massachusetts, 1975 (Marine Science)  
Sc.M., Massachusetts Institute of Technology, 1979 (Physical Oceanography)

Graduate Research Assistant, 1975–1979; Visiting Investigator, 1979–1981; Research Associate, 1981–1991; Research Specialist, 1991–2000; Senior Research Specialist, 2000–, Woods Hole Oceanographic Institution.

Research Interests: Coastal circulation, shelf and estuarine dynamics, coastal air/sea interactions, tidal processes, analysis of data from physical observations over the continental shelf.

Author or co–author of 44 refereed scientific publications and 20 technical reports.

### **Current Research Projects:**

- GLOBEC 4 Georges Bank – modeling and synthesis
- Southern Ocean GLOBEC – Analysis of isobaric floats
- Scotian Shelf Crossovers
- Nantucket and Vineyard Sound circulation and modeling
- ANDRILL – Moored observations under Antarctica sea ice.
- Palmer LTER – Satellite tracked drifter deployments along the West Antarctic Peninsula
- Isla Canales de la Tierra, Panama hydrographic surveys and modeling

### **Refereed Publications:**

Legeckis, R., E. Legg, and R. Limeburner, 1980. Comparison of polar and geostationary satellite infrared observations of sea surface temperatures in the Gulf of Maine. *Remote Sensing of Environment*, **9**, 339–350.

- Butman, B., R. C. Beardsley, B. Magnell, D. Frye, J. A. Vermersch, R. Schlitz, R. Limeburner, W. R. Wright, and M. A. Noble, 1982. Recent observations of the mean circulation on Georges Bank. *Journal of Physical Oceanography*, **12**(6), 569–591.
- Limeburner, R., and R. C. Beardsley, 1982. The seasonal hydrography and circulation over Nantucket Shoals. *Journal of Marine Research*, Supplement to **40**, 371–406.
- Beardsley, R. C., R. Limeburner, Le Kentang, Hu Dunxin, G. A. Cannon, and D. J. Pashinski, 1983. Structure of the Changjiang River plume in the East China Sea during June 1980. In: *Proceedings of the International Symposium on Sedimentation on the Continental Shelf, with Special Reference to the East China Sea, April 12–16, 1983, Hangzhou, China*, Vol. **1**, China Ocean Press, Beijing; pp. 265–284.
- Limeburner, R., R. C. Beardsley, and Z. Jinsan, 1983. Water masses and circulation in the East China Sea. In: *Proceedings of the International Symposium on Sedimentation on the Continental Shelf, with Special Reference to the East China Sea, April 12–16, 1983, Hangzhou, China*, Vol. **1**, China Ocean Press, Beijing; pp. 285–294.
- Beardsley, R. C., R. Limeburner, H. Yu, and G. A. Cannon, 1985. Discharge of the Changjiang (Yangtze River) into the East China Sea. *Continental Shelf Research*, **4**(1/2), 57–76.
- Milliman, J. D., R. C. Beardsley, Z. S. Yang, and R. Limeburner, 1985. Modern Huanghe-derived muds on the outer shelf of the East China Sea: Identification and potential transport mechanisms. *Continental Shelf Research*, **4**(1/2), 175–188.
- Milliman, J. D., L. Fan, Z. Yiyang, Z. Tiemin and R. Limeburner, 1986. Suspended matter regime in the Yellow Sea. *Progress in Oceanography*, **17**, 215–227.
- Geyer, W. R., R. C. Beardsley, J. Candela, B. Castro, R. Legeckis, S. J. Lentz, R. Limeburner, L. Miranda, and J. H. Trowbridge, 1991. The physical oceanography of the Amazon outflow. *Oceanography*, **4**(1), 8–14.
- Kim, K., K.-R. Kim, T. S. Rhee, H. K. Rho, R. Limeburner, and R. C. Beardsley, 1991. Identification of water masses in the Yellow Sea and the East China Sea by cluster analysis. In: *Oceanography of Asian Marginal Seas*, K. Takano, Editor, Elsevier Oceanography Series, **54**, 253–267.
- Candela, J., R. C. Beardsley and R. Limeburner, 1992. Separation of tidal and subtidal currents in ship-mounted Acoustic Doppler Current Profiler (ADCP) observations. *Journal of Geophysical Research*, **97**(C1), 769–788.
- Chen, C. S., R. C. Beardsley, and R. Limeburner, 1992. The structure of the Kuroshio southwest of Kyushu: Velocity, transport and potential vorticity fields. *Deep-Sea Research*, **39**(2), 245–268.
- Beardsley, R. C., R. Limeburner, K. Kim, and J. Candela, 1992. Lagrangian flow observations in the East China, Yellow, and Japan Seas. *La mer*, **30**(3), 297–314.
- Chen, C., R. C. Beardsley, R. Limeburner, and K. Kim, 1994. Comparison of winter and summer hydrographic observations in Yellow and East China Seas and adjacent Kuroshio during 1986. *Continental Shelf Research*, **14**(7/8), 909–929.

- Richardson, P. L., G. Hufford, R. Limeburner and W. Brown, 1994. North Brazil Current retroflection eddies. *Journal of Geophysical Research*, **99**(C3), 5081–5093.
- Trowbridge, J. H., B. Butman, and R. Limeburner, 1994. Characteristics of the near-bottom suspended sediment field over the continental shelf off northern California based on optical attenuation measurements during STRESS and SMILE. *Continental Shelf Research*, **14**(10/11), 1257–1270.
- Oguz, T., D. G. Aubrey, V. S. Latun, E. Demirov, L. Koveshnikov, H. I. Sur, V. Diaconu, S. Besiktepe, M. Duman, R. Limeburner, and V. Eremeev, 1994. Mesoscale circulation and thermohaline structure of the Black Sea observed during HydroBlack '91. *Deep-Sea Research*, **41**(4), 603–628.
- Beardsley, R. C., J. Candela, R. Limeburner, W. R. Geyer, S. J. Lentz, B. M. Castro, D. Cacchione, and N. Carneiro, 1995. The  $M_2$  tide on the Amazon shelf. *Journal of Geophysical Research*, **100**(C2), 2283–2319.
- Lentz, S. J., and R. Limeburner, 1995. The Amazon River Plume during AMASSEDS: Spatial characteristics and salinity variability. *Journal of Geophysical Research*, **100** (C2), 2355–2375.
- Limeburner, R., R. C. Beardsley, I. D. Soares, S. J. Lentz, and J. Candela, 1995. Lagrangian flow observations of the Amazon River discharge into the North Atlantic. *Journal of Geophysical Research*, **100** (C2), 2401–2415.
- Chen, C., R. Beardsley, and R. Limeburner, 1995. Variability of water properties in late spring in the northern Great South Channel. *Continental Shelf Research*, **15**(4/5), 415–431.
- Chen, C., R. Beardsley, and R. Limeburner, 1995. Variability of currents in late spring in the northern Great South Channel. *Continental Shelf Research*, **15**(4/5), 451–473.
- Chen, C., R. C. Beardsley, and R. Limeburner, 1995. A numerical study of stratified tidal rectification over finite-amplitude banks. Part II. Georges Bank. *Journal of Physical Oceanography*, **25**(9), 2111–2128.
- Dorman, C. E., R. C. Beardsley, and R. Limeburner, 1995. Winds in the Strait of Gibraltar. *Quarterly Journal of the Royal Meteorological Society*, **121**, 1903–1921.
- Geyer, W. R., R. C. Beardsley, S. J. Lentz, J. Candela, R. Limeburner, W. E. Johns, B. M. Castro, Fr., and I. D. Soares, 1996. Physical oceanography of the Amazon Shelf. *Continental Shelf Research* (AMASSEDS Special Issue), **16**(5/6), 575–616.
- Limeburner, R., and R. C. Beardsley, 1996. Near-surface recirculation over Georges Bank. *Deep-Sea Research II*, **43** (7–8), 1547–1574 (GLOBEC Special Issue).
- Kelly, K. A., R. C. Beardsley, R. Limeburner, K. H. Brink, J. D. Paduan, and T. K. Chereskin, 1998. Variability of the near-surface eddy kinetic energy in the California Current based on altimetric, drifter, and moored current data. *Journal of Geophysical Research*, **103**(C6), 13,067–13,083.

- Johns, W. E., T. Lee, R. C. Beardsley, J. Candela, R. Limeburner, and B. M. Castro, 1998. Annual cycle and variability of the North Brazil Current. *Journal of Physical Oceanography*, **28**(1), 103–128.
- Candela, J., S. Mazola, C. Sammari, R. Limeburner, C. J. Lozano, B. Patti, and A. Bonnano, 1999. The “Mad Sea” phenomenon in the Strait of Sicily. *Journal of Physical Oceanography*, **29**(9), 2210–2231.
- Brink, K. H., R. C. Beardsley, J. Paduan, R. Limeburner, M. Caruso, and J. G. Sires, 2000. A view of the 1993–1994 California Current based on surface drifters, floats, and remotely sensed data. *Journal of Geophysical Research*, **105**(C4), 8575–8604.
- Naimie, C. E., R. Limeburner, C. G. Hannah, and R. C. Beardsley, 2001. On the geographic and seasonal patterns of the near-surface circulation on Georges Bank – from real and simulated drifters. *Deep-Sea Research II* (GLOBEC Special Issue), **48**(1–3), 501–518.
- Williams, W. J., R. C. Beardsley, J. D. Irish, P. C. Smith, and R. Limeburner, 2001. The response of Georges Bank to the passage of Hurricane Edouard. *Deep-Sea Research II* (GLOBEC Special Issue), **48**(1-3), 179–197.
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- Beardsley, R. C., S. J. Lentz, R. A. Weller, R. Limeburner, J. D. Irish, and J. B. Edson, 2003. Surface forcing on the southern flank of Georges Bank February–August 1995. *Journal of Geophysical Research*, (GLOBEC special section), **108**(C11), 8007, doi:10.1029/2002JC001359.
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- Limeburner, R., J. Whitehead, and Claudia Cenedese, 2005. Variability of Antarctic bottom water flow into the North Atlantic. *Deep Sea Research II*, Special Issue: Direct Observations of oceanic flow: A tribute to Walter Zenk., 52, doi:10.1016/j.dsr.2004.12.012.

- Changsheng Chen, Robert Beardsley, Qichun, Xu, Geoff Cowles and Richard Limeburner, 2006. Tidal Dynamics in the Gulf of Maine and New England Shelf: An Application of FVCOM. *Deep Sea Research II* (in revision).
- Dorman, C., R. Beardsley, M. Caruso, N. Dashko, R. Limeburner, and S. Varlamov. Summer atmospheric conditions over the Japan Sea. *Journal of Geophysical Research*, resubmitted.
- Moffat, C., R. Beardsley, R. Limeburner and B. Owens. Circulation patterns on the western Antarctic Peninsula (wAP) shelf during 2001 and 2002. In preparation for submission to *Deep Sea Research*.
- Dorman, C., C. Friehe, D. Kheif, A. Scotti, J. Edson, R. Beardsley, and R. Limeburner. Winter Atmospheric Conditions Over the Japan/East Sea: the structure and impact of Severe Cold-Air Outbreaks. Submitted to *Oceanography* April, 2006.
- Dorman, C., R. Beardsley, R. Limeburner, S. Varlamov, M. Caruso, and N. Dashko. Atmospheric Conditions Over the Japan Sea. *Journal of Geophysical Research*, resubmitted.
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### **Non-refereed Publications:**

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- Giese, Graham S., D. Aubrey, and R. Limeburner, 1989. Seasonal variations in water column characteristics of Cape Cod Bay. *Boston Harbor/Massachusetts Bay Symposium*.
- Limeburner, Richard, and R. C. Beardsley, 1989. Hydrographic observations in the Amazon outflow, August 1989. *Report of the Second Brazil/US Workshop on Physical Oceanography*, September 18–21, 1989, Sao Paulo, Brazil, pp. 2–5.

- Limeburner, Richard, and R. C. Beardsley, 1989. South Channel Ocean Productivity EXperiment (SCOPEX): Lagrangian circulation in the Great South Channel during early summer. *Third Georges Bank Workshop*, November 7–8, 1989, Halifax, Nova Scotia.
- Chen, Changsheng C., R. C. Beardsley, and R. Limeburner, 1989. The structure of the Kuroshio southwest of Kyushu. *Fifth JECSS Workshop*, September 18–22, 1989, Kangnung, Korea (abstract).
- Beardsley, R. C., C. C. Chen, and R. Limeburner, 1989. The structure of the Kuroshio west of Kyushu. *Eos, Transactions, American Geophysical Union*, **70**(15), 366 (abstract).
- Limeburner, R., R. C. Beardsley, and S. J. Lentz, 1989. CTD observations off northern California during the Shelf MIXed Layer Experiment, SMILE. *Eos, Transactions, American Geophysical Union*, **70**(43), 1156 (abstract).
- SCOPEX PI's, 1989. A study of whale–zooplankton–environment interactions off New England. Oceanographic Society Meeting. Monterey, California (poster).
- Dorman, Clive, R. C. Beardsley, R. Limeburner, J. Tapia Contreras, and B. Abdelaziz, 1989. Surface Wind and Marine Boundary Layer Measurements in the Gibraltar Experiment. *Proceedings from Seminario Sobre La Oceanografia Fisica Del Estrecho De Gibraltar*, SEGEG, Madrid, pp. 21–25.
- AmasSeds Research Group, 1990. A multi-disciplinary Amazon shelf sediment study. *Eos, Transactions, American Geophysical Union*, **71**, 1771–1776.
- Candela, J., R. C. Beardsley, and R. Limeburner, 1990. Removing tides from ship-mounted ADCP data, with application to the Yellow Sea. In: *Proceedings of the IEEE Fourth Working Conference on Current Measurements*, G. F. Appell and T. B. Curtin, editors, Institute of Electrical and Electronics Engineers, New York, pp. 258–266.
- Beardsley, R. C., J. Candela, W. R. Geyer, S. Lentz, R. Limeburner, and B. Castro, 1990. Semidiurnal tides on the Amazon shelf. *Eos, Transactions, American Geophysical Union*, **71**(43), 1376 (abstract).
- Candela, J., R. Limeburner, and R. C. Beardsley, 1990. Tidal and low-frequency circulation on the north Brazil shelf obtained from ship-mounted ADCP observations. *Eos, Transactions, American Geophysical Union*, **71**(43), 1366 (abstract).
- Geyer, W. R., and R. Limeburner, 1990. Freshwater transport through the Amazon frontal zone. *Eos, Transactions, American Geophysical Union*, **71**(43), 1376 (abstract).
- Lentz, S. J., R. C. Beardsley, R. Geyer, and R. Limeburner, 1990. Moored current observations on the Amazon inner and mid-shelf. *Eos, Transactions, American Geophysical Union*, **71**(43), 1366 (abstract).
- Limeburner, R., R. C. Beardsley, and R. V. Legeckis, 1990. Water properties and Lagrangian circulation over the north Brazil shelf. *Eos, Transactions, American Geophysical Union*, **71**(43), 1365 (abstract).

- Candela, Julio, R. Limeburner, and R. Beardsley, 1991. The flow of the North Brasil Current over the Amazon Shelf. *Eos, Transactions, American Geophysical Union*, **72**(51), 22.
- Beardsley, R. C., J. Candela, and R. Limeburner, 1992. Semidiurnal tides in the Amazon River and adjacent shelf. *Eos, Transactions, American Geophysical Union*, **73**(43), 268 (abstract).
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- Limeburner, R., R. C. Beardsley, and I. D. Soares, 1992. Lagrangian flow observations of the Amazon River discharge into the North Atlantic. *Eos, Transactions, American Geophysical Union*, **73**(42), 277 (abstract).
- Limeburner, Richard, Robert C. Beardsley, and Kenneth H. Brink, 1994. Lagrangian measurements of eddy characteristics in the California Current. *Eos, Transactions, American Geophysical Union*, **75**(3), 151 (abstract).
- Candela, J., A. R. Canavate, R. Limeburner, and Juan Rico, 1994. Recent flow observations in the Strait of Gibraltar. Abstract submitted to the XXXIV Congress of the Commission Internationale l'Exploration Scientifique de la Mediterranee (CIESM), Malta, 1995.
- Kelly, K. A., R. C. Beardsley and R. Limeburner, 1996. A comparison of Topex/Poseidon altimeter data and near-surface drifters in the California Current. *Eos, Transactions, American Geophysical Union*, **76**(3), p. OS131 (abstract).
- Limeburner R., R. C. Beardsley, and K. H. Brink, 1996. Lagrangian measurements of near-surface flow over Georges Bank. *Eos, Transactions, American Geophysical Union*, **76**(3), p. OS197 (abstract).
- Limeburner, R., 1997. Ocean water temperature near Cape Cod in summer. *Boston Globe*, Science Section, August 16, 1997.
- Limeburner, Richard, Kathryn A. Kelly, Robert C. Beardsley, Kenneth H. Brink, Jeffrey D. Paduan, and Teresa K. Chereskin, 1996. Variability of the near-surface eddy kinetic energy in the California Current based on altimetric, drifter and moored current data. *Eos, Transactions, American Geophysical Union*, **77**(46), p. F368 (abstract).
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- Lentz, S. J., R. C. Beardsley, R. A. Weller, J. D. Irish, K. H. Brink, R. Limeburner, and J. D. Manning, 1996. A preliminary description of the heat budget, southern flank of Georges Bank, Spring–Summer, 1995: Part II. Ocean response *Eos, Transactions, American Geophysical Union*, **77**(46), p. F372 (abstract).
- Hannah, C. G., R. Limeburner, C. E. Naimie, and R. Beardsley, 1998. The seasonal cycle of near-surface circulation on Georges Bank: A comparison between simulated and observed drifter trajectories. *Eos, Transactions, American Geophysical Union*, **79**(1), p. OS110 (abstract for poster).

- Limeburner, R., R. C. Beardsley, J. D. Irish, and K. H. Brink, 1998. Examples of strong wind-driven currents on Georges Bank. *Eos, Transactions, American Geophysical Union*, **79**(1), p. OS110 (abstract for poster).
- Flagg, Charles N., Richard Limeburner, and Robert C. Beardsley, 1999. A revisit of tides and internal motions on the north flank of Georges Bank. *Eos, Transactions, American Geophysical Union*, **80**(49), p. OS196 (abstract).
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- Brink, Kenneth H., Richard Limeburner, and Robert C. Beardsley, 1999. The near-surface pressure field over Georges Bank: 1995: 1998. *Eos, Transactions, American Geophysical Union*, **80**(49), p. OS223 (abstract for poster).
- Limeburner, R., R. Beardsley, and K. H. Brink, 1999. Lagrangian residence time over Georges Bank during 1995–98, 1999. *Eos, Transactions, American Geophysical Union*, **80**(49), P. OS223, (abstract).
- Beardsley, R., R. Limeburner, J. Edson, C. Dorman, and C. Lee, 2000. Shipboard Meteorological Measurements in the Japan/East Sea During January–March 2000. *Eos, Transactions, American Geophysical Union*, **81**(48), F723, (abstract).
- Beardsley, R., R. Limeburner, G. Gawarkiewicz, and J. Irish, 2000. Shelf/Slope Exchange on the Southern Flank of Georges Bank. *Eos, Transactions, American Geophysical Union*, **81**(48), F661, (abstract).
- Limeburner, R., R. Beardsley, M. McDonald, S. Moore, and D. Thiele, 2001. Report of R/V *Lawrence M. Gould* Cruise LMG01-03 to the Western Antarctic Peninsula March 18–April 13, 2001. Part of *United States Southern Ocean Global Ocean Ecosystems Dynamics Program Report Number 1*.
- Beardsley, R., R. Limeburner, B. Owens, M. McDonald, J. Hildebrand, S. Wiggins, A. Sirovic, D. Thiele, and R. Pirzl, 2002. Report of R/V *Lawrence M. Gould* Cruise LMG02-1A to the Western Antarctic Peninsula 6 February to 3 March 2002. *United States Southern Ocean Global Ocean Ecosystems Dynamics Program Report Number 4*.
- Beardsley, R. C., R. Limeburner, M. J. Caruso, and J. Hyatt, 2002. Surface forcing over the West Antarctic Peninsula shelf during Austral summer–fall, 2001. 2002 AGU Ocean Sciences Meeting (abstract).
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February to 7 March 2003. *United States Southern Ocean Global Ocean Ecosystems Dynamics Program Report* Number 9.

- Beardsley, R., R. Limeburner, M. Caruso, J. Hyatt, and D. Liptzin, 2003. Automatic weather station measurements in Marguerite Bay (West Antarctic Peninsula) during 2001–2002. 7<sup>th</sup> Conference on Polar Meteorology and Oceanography and Joint Symposium on High-Latitude Climate Variations, May 12–16, 2003, Hyannis, MA, (abstract).
- Limeburner, R., R. Beardsley and W. Owens, 2004. Lagrangian Circulation on the West Antarctic Peninsula Shelf From Isobaric Floats. *EOS Transactions, American Geophysical Union*, p OS32C-17.
- Hyatt, J., R. Beardsley and R. Limeburner, 2004. Characteristics of sea ice cover in Marguerite Bay, Western Antarctic Peninsula. *EOS Transactions, American Geophysical Union*, p OS32C-16.
- Beardsley, R., R. Limeburner and W. Owens, 2004. Drifter Measurements of near surface flow over the West Antarctic Peninsula Shelf during austral summer–fall, 2001. *EOS Transactions, American Geophysical Union*, p OS32C-15.
- Moffat, C., Beardsley, R., R. Limeburner and W. Owens, 2004. Subtidal Circulation in a Submarine Canyon, Western Antarctic Peninsula. *EOS Transactions, American Geophysical Union*, p OS32C-18.
- Hyatt, J., R. Beardsley, W. Owens and R. Limeburner, 2004. Sea ice cover, motion and stress in Marguerite Bay, Western Antarctic Peninsula using ADCPs. European Geosciences Union, First General Assembly, Nice, France, 25–30 April 2004.
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### **Technical Reports:**

- Limeburner, R., J. A. Vermersch, and R. C. Beardsley, 1978. Hydrographic station data obtained in the vicinity of Georges Bank, May and August, 1976. *Woods Hole Oceanographic Institution Technical Report* WHOI-78-83.
- Limeburner, R., and R. C. Beardsley, 1979. Hydrographic station data obtained in the vicinity of Nantucket Shoals, May, July, September, 1978. *Woods Hole Oceanographic Institution Technical Report* WHOI-79-30.
- Limeburner, R., R. C. Beardsley, and W. Esaias, 1980. Biological and hydrographic station data obtained in the vicinity of Nantucket Shoals, May 1978–May 1979. *Woods Hole Oceanographic Institution Technical Report* WHOI-80-7, 89 pp.

- Limeburner, R., and R. C. Beardsley, 1982. Hydrographic station data obtained in the East China Sea, June, 1980. *Woods Hole Oceanographic Institution Technical Report* WHOI-82-10, 15 pp. and 144 figures.
- Limeburner, R., and R. C. Beardsley, 1982. Hydrographic station data obtained in the East China Sea, August, 1981. *Woods Hole Oceanographic Institution Technical Report* WHOI-82-39, 11 pp. and 63 figures.
- Limeburner, R., and R. C. Beardsley, 1982. Hydrographic station data obtained in the East China Sea, November, 1981. *Woods Hole Oceanographic Institution Technical Report* WHOI-82-44, 9 pp. and 40 figures.
- Limeburner, R. (editor), 1985. CODE-2: Moored Array and Large-Scale Data Report. *Woods Hole Oceanographic Institution Technical Report* WHOI-85-35, 234 pp.
- Beardsley, R. C., R. Limeburner and L. K. Rosenfeld, 1985. Introduction to CODE-2 moored array and large-scale data report. In: CODE-2: Moored array and large-scale data report, Richard Limeburner, editor; *Woods Hole Oceanographic Institution Technical Report* WHOI-85-35; pp. 1–21.
- Beardsley, R. C., C. A. Alessi and R. Limeburner, 1985. CODE-2: Coastal and moored meteorological observations. In: CODE-2: Moored array and large-scale data report, Richard Limeburner, editor; *Woods Hole Oceanographic Institution Technical Report* WHOI-85-35, pp. 23–71.
- Limeburner, R., and R. C. Beardsley, 1989. CTD observations off northern California during the Shelf MIXed Layer Experiment (SMILE), November 1988. *Woods Hole Oceanographic Institution Technical Report* WHOI-89-25, 272 pp.
- Limeburner, R., and R. C. Beardsley, 1989. CTD observations off northern California during the Shelf MIXed Layer Experiment (SMILE), February–March 1989. *Woods Hole Oceanographic Institution Technical Report* WHOI-89-41, 218 pp.
- Limeburner, R., and R. C. Beardsley, 1989. CTD observations off northern California during the Shelf MIXed Layer Experiment (SMILE), May 1989. *Woods Hole Oceanographic Institution Technical Report* WHOI-89-42, 239 pp.
- Limeburner, R., and R. C. Beardsley, 1989. CTD observations off the New England coast during the South Channel Ocean productivity experiment, SCOPEX, June 1989. *Woods Hole Oceanographic Institution Technical Report* WHOI-89-52, 252 pp.
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### **Cruise Participation, 1974 to Present:**

**78 Total – 22 as Chief Scientist**

### **Professional Activities:**

- Reviewed approximately 3-6 scientific publications or proposals submitted each year.
- Developed a circulation model on Cape Cod Bay and successfully predicted the present location of the SS Portland sunk in 1898 on Stellwagen Bank.
- Taught a 20-hour course on coastal physical oceanography at the Universidade Federal Do Estado do Rio de Janeiro, Brazil. August 19 - September 2, 1995.
- Wrote a coastal physical oceanography section with R. Beardsley on the entrainment of shelf water near Georges Bank by Gulf Stream meanders and rings for the 1997 WHOI Annual Report.
- Visiting Investigator – October-November, 1998. National Institute of Water and Atmospheric Research, Wellington, New Zealand.
- Member of 1999 Green Technology Award Committee.
- Attended numerous national and international professional meetings.

- Wrote numerous computer programs in Fortran, Basic, Matlab, PERL to process, analyze and visualize oceanographic data that are presently used by other scientists.
- A 54 minute documentary was produced by the Science Channel called “The Wreck of the Portland,” featuring WHOI researcher Richard Limeburner. The documentary was filmed in high definition and describes the history of the steamship Portland, including a realistic animation of its sinking, the search for and discovery of it, and NOAA's confirmation of it in 2002 and 2003. Limeburner was instrumental in pinpointing the final resting place of the Portland. WHOI Advanced Visualization Lab provided the high definition camera and technical support.