

## CURRICULUM VITAE

**Name:** Carin J. Ashjian  
Associate Scientist  
Biology Department  
Woods Hole Oceanographic Institution  
Woods Hole, MA 02543

**Telephone:** 508-289-3457  
**Fax:** 508-457-2134  
**E-mail:** cashjian@whoi.edu

**Date of Birth:** April 13, 1960  
**Place of Birth:** Boston, MA, USA  
**Nationality:** USA

### EDUCATION:

B.A.: Cornell University, 1982  
Ph.D.: University of Rhode Island, 1991

### PROFESSIONAL EXPERIENCE:

November, 2000 - Present	Associate Scientist Woods Hole Oceanographic Institution
October, 1996 – Nov., 2000	Assistant Scientist Woods Hole Oceanographic Institution
June 1996 - October, 1996 January 1995 - June 1996	Postdoctoral Investigator Postdoctoral Scholar Woods Hole Oceanographic Institution
April 1994 -Nov. 1994	Postdoctoral Associate Rosenstiel School of Marine and Atmospheric Sciences University of Miami
March 1992 - March 1994	Research Associate Oceanographic and Atmospheric Sciences Division Brookhaven National Laboratory
1984 - 1991	Research Assistant Graduate School of Oceanography University of Rhode Island
1984	Assistant Scientist Sea Education Association Woods Hole, MA

### RESEARCH INTERESTS:

Zooplankton ecology, bio-physical interactions, remote sensing of zooplankton (acoustic, video), polar oceanography

## PUBLICATIONS:

- Ashjian, C.J., S.L. Smith, C.N. Flagg, and N. Idrisi. 2002. Distribution, annual cycle, and vertical migration of acoustically derived biomass across a 900 km transect in the Arabian Sea during 1994-1995. *Deep-Sea Research II*, 49: 2377-2402.
- Ashjian, C.J., C.S. Davis, S.M. Gallagher, and P. Alatalo. 2001. Distribution of plankton, particles, and hydrographic features across Georges Bank described using the Video Plankton Recorder. *Deep-Sea Research II*, 48: 245-282.
- Lynch, D.R., Naimie, C.E., Ip, J.T., Lewis, C.V., Werner, F.E., Luettich, R., Blanton, B.O., Quinlan, J., McGillicuddy, D.J. Jr., Ledwell, J.R., Churchill, J. Kosnyrev, V., Davis, C.S., Gallagher, S.M., Ashjian, C.J., Lough, R.G., Manning, J., Flagg, C.N., Hannah, C.G., Groman, R.C. 2001. Real-Time Data Assimilative Modeling on Georges Bank. *Oceanography* 14: 65-77.
- Ashjian, C. J., S. L. Smith, C. N. Flagg, and C. Wilson. 1998. Patterns and occurrence of diel vertical migration of zooplankton in the Mid-Atlantic Bight measured by the acoustic Doppler current profiler. *Continental Shelf Research* 18: 831-858.
- Pésant, S., L. Legendre, M. Gosselin, C. Ashjian, B. Booth, K. Daly, L. Fortier, H.-J. Hirche, J. Michaud, R.E.H. Smith, S. Smith, and W. O. Smith, Jr. 1998. Pathways of carbon cycling in the euphotic zone; the fate of large-sized phytoplankton in the Northeast Water Polynya. *Journal of Plankton Research*, 20: 1267-1291.
- Ashjian, C., S. Smith, F. Bignami, T. Hopkins, and P. Lane. 1997. Distribution of zooplankton in the Northeast Water Polynya during Summer 1992. *Journal of Marine Systems*, 10: 279-298.
- Clough, L. M., W. G. Ambrose, Jr., C. J. Ashjian, D. Piepenburg, P. E. Renaud, and S. L. Smith. 1997. Meroplankton in the Northeast Water Polynya: Insights from oceanographic parameters and benthic abundance patterns. *Journal of Marine Systems* 10: 343-357.
- Mariano, A. J., G. L. Hitchcock, C. J. Ashjian, D. Olson, T. Rossby, E. Ryan, and S. L. Smith. 1996. Principal component analysis of biological and physical variability in a Gulf Stream meander crest. *Deep-Sea Research I*, 43: 1531-1565.
- Ashjian, C. J., S. L. Smith, and P. V. Z. Lane. 1995. The Northeast Water Polynya during Summer, 1992: Distribution and aspects of secondary production of copepods. *Journal of Geophysical Research, Leads and Polynyas Special Section*, 100: 4371-4388.
- Wishner, K. F., C. J. Ashjian, C. Gelfman, M. M. Gowing, L. Kann, L. A. Levin, L. S. Mullineaux, and J. Saltzman. 1995. Pelagic and benthic ecology of the lower interface of the Eastern Tropical Pacific oxygen minimum zone. *Deep-Sea Research*, 42: 93-115
- Ashjian, C. J., S. L. Smith, C. N. Flagg, A. J. Mariano, W. J. Behrens, and P. V. Z. Lane. 1994. The influence of a Gulf Stream meander on the distribution of zooplankton biomass in the Slope Water, the Gulf Stream, and the Sargasso Sea described using a shipboard acoustic Doppler current profiler. *Deep-Sea Research I*, 41: 23-50.
- Olson, D. B., G. L. Hitchcock, A. J. Mariano, C. J. Ashjian, G. Peng, R. W. Nero, and G. P. Podestá. 1994. Life on the Edge: Marine Life and Fronts. *Oceanography* 7: 52-60.

Ashjian, C. J. 1993. Trends in copepod species abundances across and along a Gulf Stream Meander: Evidence for entrainment and detrainment of fluid parcels from the Gulf Stream. *Deep-Sea Research*, 40: 461-482.

Ashjian, C. J. and K. F. Wishner. 1993. Temporal consistency of copepod species groups in the Gulf Stream. *Deep-Sea Research*, 40: 483-516.

Ashjian, C. J. and K. F. Wishner. 1993. Temporal and spatial changes in body size and reproductive state of *Nannocalanus minor* (Copepoda) females across and along the Gulf Stream. *Journal of Plankton Research*, 15: 67-98.

### Manuscripts Submitted or In Press

Ashjian, C.J., Campbell, R.G., Welch, H.E., Butler, M. and D. Van Keuren. Annual cycle in abundance, distribution, and size in relation to hydrography of important copepod species in the Western Arctic Ocean. In Press, *Deep-Sea Research I*.

Campbell R.G., Ashjian C.J., Welch H.E., Van Keuren D., and M. Butler. Reproduction, growth, and development of selected copepod species in the Western Arctic Ocean. In Revision, *Deep-Sea Research I*.

Wiebe, P.H., Ashjian, C.J., Gallagher, S.M., Davis, C.S., Lawson, G.L., Copley, N.J. The use of a high powered strobe light to increase the catch of Antarctic krill by a 1-m<sup>2</sup> MOCNESS. Accepted, *Marine Biology*.

Ashjian, C.J, Rosenwaks, G.A., Wiebe, P.H., Davis, C.S., Gallagher, S.M., Copley, N.J., Lawson, G.L., Alatalo, P. Distribution of Zooplankton on the Continental Shelf of Marguerite Bay, Antarctic Peninsula, during Austral Fall and Winter, 2001. Accepted, *Deep-Sea Research II*.

Lawson, G.L., Wiebe, P.H., Ashjian, C.J., Gallagher, S.M., Davis, C.S., Warren, J.D. Acoustically-inferred zooplankton distribution in relation to hydrography west of the Antarctic Peninsula. In Revision, *Deep-Sea Research II*.

### CRUISE PARTICIPATION AND ICE TIME:

July 15 – August 28, 2002 *USCGC Healy*, Chukchi and Beaufort Seas, Arctic Ocean  
April 9–May 21, 2002 *RVIB Nathaniel B. Palmer*, Marguerite Bay, Antarctic Peninsula  
July 22 –Sept. 1, 2001 *RVIB Nathaniel B. Palmer*, Marguerite Bay, Antarctic Peninsula  
April 23–June 4, 2001 *RVIB Nathaniel B. Palmer*, Marguerite Bay, Antarctic Peninsula  
August 28–September 15, 2000 *R/V Johann Ruud*, Barents Sea  
June 5–23, 2000 *R/V Johann Ruud*, Barents Sea  
March–April, 2000 *R/V Asterias*, Cape Cod Bay, 14 days during a 5-week period  
June 24–July 17, 1999 *R/V Roger Revelle*, Sea of Japan  
May 5–June 6, 1999 *R/V Endeavor*, Georges Bank,  
March–April, 1999 *R/V Asterias*, Cape Cod Bay, 7 days during a 2 week period  
July 4–August 13, 1998, Field work at the SHEBA ice camp, Arctic Ocean  
May 14–June 2, 1998, Field work at the SHEBA ice camp, Arctic Ocean  
March 11–April 2, 1998, Field work at the SHEBA ice camp, Arctic Ocean  
October 11–November 13, 1997 Field work at the SHEBA ice camp, Arctic Ocean  
June 9–22, 1997 *R/V Endeavor* Georges Bank, Chief Scientist.  
April 19–May 2, 1997 *R/V Cape Hatteras*, Georges Bank  
March 11–15, 1997 *SVS Peter W. Anderson*, Massachusetts and Cape Cod Bays  
February 19–28, 1997 *R/V Delaware II*, Georges Bank  
January 8–22, 1997 *R/V Endeavor*, Georges Bank

December 12-17, 1996 *R/V Endeavor*, Georges Bank  
June 7-19, 1995 *R/V Endeavor*, Georges Bank  
March 27-April 8, 1995 *R/V Endeavor*, Georges Bank  
January 1-25, 1995 *R/V Endeavor*, Georges Bank  
June 20-July 13, 1993 *R/V Wecoma*, California Current  
July 18-August 20, 1993 *USCGC Polar Sea*, Northeast Water Polynya Greenland Sea  
July 15-August 18, 1992, *USCGC Polar Sea*, Northeast Water Polynya, Greenland Sea  
August 14-21, 1991 *SSV Westward*, Gulf of Maine.  
November 21-December 5, 1988, *R/V Atlantis II and DSRV Alvin*, Eastern Tropical Pacific  
October 10-23, 1988 *R/V Cape Hatteras*, Gulf Stream  
April, 1998 *R/V Endeavor*, Great South Channel  
January 5-15, 1998 *R/V Atlantis II and DSRV Alvin*, Santa Catalina Basin  
June, 1987 *R/V Powell* and Delta Submersible, Great South Channel  
February 26-March 3, 1987, *R/V Endeavor*, Gulf Stream  
May, 1986 *R/V Delaware II*, Great South Channel  
March-May, 1984 *R/V Westward*, Key West-Woods Hole  
March-May, 1981 *R/V Westward*, Key West-Woods Hole