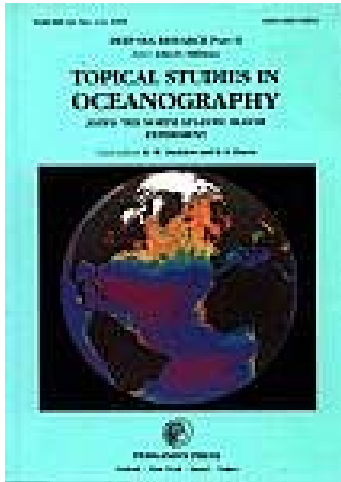


Deep-Sea Research II, 40(1-2), 1993

JGOFS North Atlantic Bloom Experiment (NABE)

Ducklow H., R. Harris



Ducklow Hugh W. and Roger P. Harris -- Introduction to the JGOFS North Atlantic bloom experiment -- 1-8

Robinson A.R., D.J. McGillicuddy, J. Calman, H.W. Ducklow, M.J.R. Fasham, F.E. Hoge, W.G. Leslie, J.J. McCarthy, S. Podewski, D.L. Porter et al. -- Mesoscale and upper ocean variabilities during the 1989 JGOFS bloom study -- 9-35

Yoder James A., James Aiken, Robert N. Swift, Frank E. Hoge and Petra M. Stegmann -- Spatial variability in near-surface chlorophyll a fluorescence measured by the Airborne Oceanographic Lidar (AOL) -- 37-53

Marra John and Cheng Ho -- Initiation of the spring bloom in the northeast Atlantic (47°N, 20°W): a numerical simulation -- 55-73

Garside C. and J.C. Garside -- The "f-ratio" on 20°W during the North Atlantic Bloom Experiment -- 75-90

Lochte K., H.W. Ducklow, M.J.R. Fasham and C. Stienen -- Plankton succession and carbon cycling at 47°N 20°W during the JGOFS North Atlantic Bloom Experiment -- 91-114

Martin John H., Steve E. Fitzwater, R. Michael Gordon, Craig N. Hunter and Sara J. Tanner -- Iron, primary production and carbon-nitrogen flux studies during the JGOFS North Atlantic bloom experiment -- 115-134

Pfannkuche O. -- Benthic response to the sedimentation of particulate organic matter at the BIOTRANS station, 47°N, 20°W -- 135-149

Chipman David W., John Marra and Taro Takahashi -- Primary production at 47°N and 20°W in the North Atlantic Ocean: a comparison between the 14C incubation method and the mixed layer carbon budget -- 151-169

Gardner Wilford D., Ian D. Walsh and Mary Jo Richardson -- Biophysical forcing of particle production and distribution during a spring bloom in the North Atlantic -- 171-195

Dam Hans G., Carolyn A. Miller and Sigrun H. Jonasdottir -- The trophic role of mesozooplankton at 47°N, 20°W during the North Atlantic Bloom Experiment -- 197-212

Sieracki Michael E., Peter G. Verity and Diane K. Stoecker -- Plankton community response to sequential silicate and nitrate depletion during the 1989 North Atlantic spring bloom -- 213-225

Verity Peter G., Diane K. Stoecker, Michael E. Sieracki, Peter H. Burkill, Elaine S. Edwards and Craig R. Tronzo -- Abundance, biomass and distribution of heterotrophic dinoflagellates during the North Atlantic spring bloom -- 227-244

Ducklow H.W., D.L. Kirchman, H.L. Quinby, C.A. Carlson and H.G. Dam -- Stocks and dynamics of bacterioplankton carbon during the spring bloom in the eastern North Atlantic Ocean -- 245-263

Hoge Frank E. and Robert N. Swift -- The influence of chlorophyll pigment upon upwelling spectral radiances from the North Atlantic Ocean: an active-passive correlation spectroscopy study -- 265-277

Harrison W.G., E.J.H. Head, E.P.W. Horne, B. Irwin, W.K.W. Li, A.R. Longhurst, M.A. Paranjape and T. Platt -- The western North Atlantic bloom experiment -- 279-305

- Li W.K.W., P.M. Dickie, W.G. Harrison and B.D. Irwin -- Biomass and production of bacteria and phytoplankton during the spring bloom in the western North Atlantic Ocean -- 307-327
- Head E.J.H. and E.P.W. Horne -- Pigment transformation and vertical flux in an area of convergence in the North Atlantic -- 329-346
- Weeks A., M.H. Conte, R.P. Harris, A. Bedo, I. Bellan, P.H. Burkill, E.S. Edwards, D.S. Harbour, H. Kennedy, C. Llewellyn et al. -- The physical and chemical environment and changes in community structure associated with bloom evolution: the Joint Global Flux Study North Atlantic Bloom Experiment -- 347-368
- Pingree R. D. -- Flow of surface waters to the west of the British Isles and in the Bay of Biscay -- 369-388
- Taylor Arnold H. and John A. Stephens -- Diurnal variations of convective mixing and the spring bloom of phytoplankton -- 389-408
- Robertson J.E., A.J. Watson, C. Langdon, R.D. Ling and J.W. Wood -- Diurnal variation in surface pCO₂ and O₂ at 60°N, 20°W in the North Atlantic -- 409-422
- Joint Ian, Alan Pomroy, Graham Savidge and Philip Boyd -- Size-fractionated primary productivity in the northeast Atlantic in May–July 1989 -- 423-440
- Sambrotto R.N., J.H. Martin, W.W. Broenkow, C. Carlson and S.E. Fitzwater -- Nitrate utilization in surface waters of the Iceland Basin during spring and summer of 1989 -- 441-457
- Barlow R.G., R.F.C. Mantoura, M.A. Gough and T.W. Fileman -- Pigment signatures of the phytoplankton composition in the northeastern Atlantic during the 1990 spring bloom -- 459-477
- Burkill P.H., E.S. Edwards, A.W.G. John and M.A. Sleigh -- Microzooplankton and their herbivorous activity in the northeastern Atlantic Ocean -- 479-493
- Jochem Frank J. and Bernt Zeitzschel -- Productivity regime and phytoplankton size structure in the tropical and subtropical North Atlantic in spring 1989 -- 495-519
- Koeve W., R.W. Eppley, S. Podewski and B. Zeitzschel -- An unexpected nitrate distribution in the tropical North Atlantic at 18°N, 30°W—implications for new production -- 521-536
- Podewski S., G. Saure, R.W. Eppley, W. Koeve, R. Peinert and B. Zeitzschel -- The nose: a characteristic inversion within the salinity maximum water in the tropical northeast Atlantic -- 537-557
- Lenz Jürgen, Alvaro Morales and Judith Gunkel -- Mesozooplankton standing stock during the North Atlantic spring bloom study in 1989 and its potential grazing pressure on phytoplankton: a comparison between low, medium and high latitudes -- 559-572
- Passow Uta and Rolf Peinert -- The role of plankton in particle flux: two case studies from the northeast Atlantic -- 573-585
- Honjo Susumu and Steven J. Manganini -- Annual biogenic particle fluxes to the interior of the North Atlantic Ocean; studied at 34°N 21°W and 48°N 21°W -- 587-607
- Veldhuis Marcel J.W., Gijsbert W. Kraay and Winfried W.C. Gieskes -- Growth and fluorescence characteristics of ultraplankton on a north-south transect in the eastern North Atlantic -- 609-626
- Savenkoff C., D. Lefèvre, M. Denis and C.E. Lambert -- How do microbial communities keep living in the Mediterranean outflow within northeast Atlantic intermediate waters? -- 627-641