

## References

---

- Arrhenius, G.O.S., 1952: Sediment cores from the east Pacific. *Reports of the Swedish Deep- Sea Expedition, 1947 -1848*, vol.5, 288 pp.
- Andersen, C., 1997: Transfer Function vs. Modern Analog Technique for estimating Pliocene Sea-Surface Temperatures based on Planktic Foraminiferal Data, Western Equatorial Pacific Ocean. *Journal of Foraminiferal Research*, vol. 27, p. 123-132.
- Be, A.W.H. and Hamlin, W.H., 1967: Ecology of Recent planktonic foraminifera, part 3 - distribution in the North Atlantic during the summer of 1963. *Micropaleontology*, v.13, p. 87-108.
- Be, A.W.H. Morse, J.W., and Harrison, S.M., 1975: Progressive dissolution and ultrastructural breakdown in planktonic foraminifera. *Special Publication Cushman Foundation Foraminiferal Research*, vol.13, p.27-55.
- Berger, W.H., 1968: Planktonic foraminifera: Selective solution and paleoclimatic interpretation. *Deep Sea Reserch*, vol.15, p.31-43.
- Berger, W.H., 1970: Planktonic Foraminifera: Selective solution and the lysocline. *Marine Geology*, vol.8, p.111-138.
- Berger, W.H., 1979: Preservation of Foraminifera. In Lipps, J.H., Berger, W.H., Buzas, M.A., Douglas., R.G.

- and Ross, C.A., eds., *Foraminiferal Ecology and Paleocology*, Society of Economic Paleontologists and Mineralogists, short course no.6, p. 105-155.
- Berger, W.H., 1989: Global maps of ocean productivity. In, Berger, W.H., Smetacek, V.S., Wefer, G., eds, *Productivity of the Ocean, Present and Past*, p. 255-269, John Wiley, New York.
- Berger, W.H., 1992: Pacific carbonate cycles revisited: arguments for and against productivity control. In Centenary of Japanese Micropleontology, Ishizaki, K., and Saito, T., eds, p. 15-25.
- Bradshaw, J.S., 1959: Ecology of living planktic foraminifera in the north and equatorial Pacific Ocean. *Contributions from the Cushman Foundation for Foraminiferal Research*, vol. 10, part 2, p. 25-64.
- Broecker, W.S., 1995: Chaotic climate. *Scientific American*, vol. 273, no.5, p.62-68.
- Broecker, W.S., 1971: Calcite accumulation rates and glacial to interglacial changes in ocean mixing. In, Turekian, K.K., ed., *The Late Cenozoic Ice Ages.*, p. 239-265, Yale University Press.
- Climate Long-Range Investigation, Mapping and Prediction (CLIMAP), 1981: Seasonal reconstruction of the Earth's surface at the last glacial maximum. *Geological Society of America Map Chart Series*, MC 36.
- CLIMAP, 1984: The last interglacial ocean. *Quaternary Research*, vol. 21, p. 123-224.

- Divakar, P. and Malmgren, B.A., 1996: Relationship between Late Quaternary upwelling history and coiling properties of *Neogloboquadrina pachyderma* and *Globigerina bulloides* in the Arabian Sea. *Journal of Foraminiferal Research*, vol. 26, no. 1, p. 65-70.
- Deuser, W.G., Ross, E.H., Hemblen, C. and Spindler, M., 1981: Seasonal changes in species composition, number, mass, size, and isotopic composition of planktonic foraminifera settling into the deep Sargasso Sea. *Paleogeography, Paleoclimatology, Paleoecology*, vol. 33, p. 103-127
- Dowsett, H.J., 1991: The development of a long range foraminifer transfer function and application to late Pleistocene North Atlantic climate extremes. *Paleoceanography*, vol. 6, no. 2, p. 259-273.
- Emerson, S., 1985: Organic carbon preservation in marine sediments. In, Sundquist, E.T., and Broecker, W.S., eds., The carbon cycle and atmospheric CO<sub>2</sub>: Natural Variations Archean to Present, *Geophysical Monograph Series*, vol.32, p.78-87.
- Fairbanks, R., Sverdlove, M., Free, R., Wiebe, P., and Be, W.H., 1982: Vertical distribution and isotopic fractionation of living planktonic foraminifera from the Panama Basin. *Nature*, vol. 298, p. 841-844
- Farrell J.W. and Prell, W.L., 1989: Pacific CaCO<sub>3</sub> preservation and δ<sup>18</sup>O since 4 Ma: paleoceanic and paleoclimatic implications. *Paleoceanography*, vol.6, p.485-498.

- Farrell J.W. and Prell, W.L., 1991: Climatic Change and  $\text{CaCO}_3$  preservation: an 800,000 year bathymetric reconstruction from the central equatorial Pacific Ocean, *Paleoceanography*, vol. 4, no.4, p.447-466.
- Funnell, B. and Swallow, J., 1997: Intra-sample, inter-sample and down-core microvariation in sea-surface temperature estimates obtained from planktonic foraminifera in the NE Atlantic. *Journal of Micropaleontology*, vol. 16, p.163-174.
- Haug, G.H., Maslin, M.A., Sarthein, M., Stax, R., and Tiedmann, R., 1995: Evolution of northwest Pacific sedimentation patterns since 6 Ma (site 882). In Rea, D.K., Basov, L.A., Scholl, D.W. and Allan, J.F. eds., *Proceedings of the Ocean Drilling Program Scientific Results*, vol.145, p. 293-301.
- Hemblen, Chr., Spindler, M., Anderson, O.R., 1989: *Modern Planktonic Foraminifera*. Springer-Verlag, pp.337.
- Hovan, S.A., Rea, D.K. and Pisias, N.G., 1991: Late Pleistocene continental climate and oceanic variability recorded in northwest Pacific sediments. *Paleoceanography*, vol. 6, p. 349-370.
- Hutson, W., 1977: Transfer Functions under No-Analog Conditions: Experiments with Indian Ocean Planktonic Foraminifera. *Quaternary Research*, vol. 8, p.355-367.
- Imbrie, J. and Kipp, N., 1971: A new micropaleontological method for quantitative paleoclimatology: Application to a late Pleistocene Caribbean core. In Turekian,

K.K., ed., *The Late Cenozoic glacial ages*. New Haven,  
Yale University Press, p. 71-181.

Imbrie, J., van Donk, J., and Kipp, N., 1973:  
Paleoclimatic investigation of a late Pleistocene  
Caribbean deep-sea core: Comparison of isotopic and  
faunal methods. *Quaternary Research*, v. 3, p. 10-38.  
Ioka, N., Hatakeyama, Y., Ikebara, K., Tanaka, Y.,  
Nakjima, T. and Suzuki, A., 1997: The sediments  
collected during the NH95-1 cruise. In, Nishimura, A.  
and Kawahata, H. eds., *Study on element cycles in the  
Oceans* (1996 F.Y. Report). Geological Survey of Japan,  
p. 116-137. (in Japanese).

Jahnke, R.A., 1990: Early diagenesis and recycling of  
biogenic debris at the seafloor, Santa Monica Basin,  
California. *Journal of Marine Research*, vol. 18, p.  
413-416.

Karlin, R., Lyle, M. and Zahn, R., 1992: Carbonate  
variations in the northeast Pacific during the Late  
Quaternary. *Paleoceanography*, vol.7, p.43-61.

Kawahata, H., Okamoto, T., Ujiie, H., Ito, Y. and  
Matsumoto, E., 1997: The fluctuation of the  
accumulation rate of aerosol in the Hess Rise, North  
Pacific, during the last 200 kyr: Estimation of  
aerosol effect to carbon cycle. *Journal of the  
Geological Society of Japan*, vol. 103, no.5, p. 475-  
483. (in Japanese)

Kawahata, H., Suzuki, A. and Ohta, H., 1998: Sinking particles between the equatorial and subarctic ( $0^{\circ}\text{N}$ - $46^{\circ}\text{N}$ ) in the Central Pacific. *Geochemical Journal*, vol. 32, p. 125-133.

Kawahata, H., Ohkushi, K. and Hatakeyama, F., (in press): Comparison of the fluctuations of biogenic sedimentations in the boreal and austral latitudes of the western Pacific during the late Pleistocene. *Journal of Oceanography*.

Keigwin, L.D., 1987: North Pacific deep-water formation during the latest glaciation. *Nature*, vol. 330, p. 362-364.

Keigwin, L.D., Jones, G.A. and Froelich, P.N., 1992: 15,000 year paleoenvironmental record from Meiji Seamount, far northwestern Pacific. *Earth and Planetary Science Letters*, vol. 111, p. 425-440.

Kennett, J.P., 1968: Latitudinal variation in *Globigerina pachyderma* (Ehrenberg) in surface sediments of the south-west Pacific Ocean. *Micropaleontology*, v. 14, p.305-319.

Kennett, J.P., 1982: *Marine Geology*. Prentice-Hall, INC., 795 pp.

Kennett, J.P. and Srinivisan, M.S., 1983: *Neogene Planktonic Foraminifera: A Phylogenetic Atlas.* Hutchison Ross Publishing Company, 265 pp.

Kipp, N., 1976: New transfer function for estimating past sea-surface conditions from sea-bed distribution of planktonic foraminiferal assemblages in the North Atlantic. *Geological Society of America, Memoir 145*, p. 3-41.

Klovan, J. and Imbrie, J., 1971: An Algorithm and FORTRAN-IV program for large-scale Q-mode factor analysis and calculation of factor scores. *Mathematical Geology*, vol. 3, no.1, p. 61-77.

Kroon, D. and Darling, K., 1995: Size and upwelling control of the stable isotope composition of *Neogloboquadrina dutertrei* (d'Orbigny), *Globigerinoides ruber* (d'Orbigny) and *Globigerina bulloides* d'Orbigny: examples from the Panama Basin and Arabian Sea. *Journal of Foraminiferal Research*, vol. 25, p. 39-52.

LaMontagne, R.W., Murray, R.W., Wei, K.-Y. and Wang, C.H., 1996: Decoupling of carbonate concentration and biogenic accumulation: A 400-kyr record from the central equatorial Pacific Ocean. *Paleoceanography*, vol. 11, p. 553-562.

Le, J. and Shackleton, N.J., 1992: Carbonate dissolution fluctuations in the western equatorial Pacific during the Late Quaternary. *Paleoceanography*, vol. 7, p. 21-42.

- Le, J., and Shackleton, N., 1994: Reconstructing paleoenvironment by transfer function: Model evaluation with simulated data. *Marine Micropaleontology*, vol. 24, p. 187-199.
- Luz, B., 1977: Paleoclimates of the South Pacific based on statistical analysis of planktonic foraminifers. *Palaeogeography, Paleoclimatology, Paleoecology*, vol. 22, no. 1, p. 61-78.
- Malmgren, B.A., 1987: Differential dissolution of Upper Cretaceous Planktonic Foraminifera from a temperate region of the south Atlantic Ocean. *Marine Micropaleontology*, vol. 11, p. 251-271.
- McCoy, F.W., and Sancetta, C., 1985: North Pacific Sediments. In Nairin, A.E.M., Stehli, F.G., and Uyeda, S., eds., *The Ocean Basins and Margins*, vol. 7a, The Pacific Ocean, p. 1-88, Plenum Press.
- Millero, F.J., 1996: *Chemical Oceanography*, 466 pp. Boca Raton CRC Press.
- Mix, A.C., 1989: Pleistocene paleoproductivity: evidence from organic carbon and foraminiferal species. In, Berger, W.H., Smetacek, V.S. and Wefer, G. eds., *Productivity of the ocean: present and past*, p. 313-340, John Wiley & Sons Limited
- Moore, T.C., Pisias, N. G. and Heath, G.R., 1977: Climate changes and lags in Pacific carbonate preservation, surface temperature and global ice volume. In Andersen, N.R. and Malahoff, A. eds., *The Fate of Fossil Fuel CO<sub>2</sub> in the Oceans*, p. 145-165. Plenum Press.

Moore, T.C., Burckle, L.H., Geitzenhauer, K., Luz, B., Molina-Cruz, A., Robertson, J.H., Sachs, H., Sancetta, C., Thiede, J., Thompson, P. and Wenkam, C., 1980: The reconstruction of sea surface temperatures in the Pacific Ocean of 18,000 B.P. *Marine Micropaleontology*. vol. 5, p. 215-247.

Oba, T., 1994: The last glacial world estimated from the North Pacific deep-sea cores. *Journal of Geography*, vol. 104, no. 7, p.853-860. (In Japanese)

Ohkushi, K., 1998 MS: Palaeceanographic changes in the Shatsky Rise during the last 300 ka based on benthic foraminiferal assemblages. Ph.D. dissertation, University of Tsukuba, Tsukuba.

Ortiz, J. and Mix, A., 1997: Comparison of Ibrie-Kipp transfer function and modern analog temperature estimate using sediment trap and core top foraminiferal faunas. *Paleoceanography*, vol.12, no. 2, p.175-190.

Ortiz, J. and Mix, A., 1997: The California Current of the last glacial maximum: Reconstruction at 42°N based on multiple proxies. *Paleoceanography*, vol.12, no. 2, p. 191-205.

Overpeck, J., Webb, T. and Prentice, I., 1985: Quantitative interpretation of fossil pollen spectra: Dissimilarity coefficients and the method of modern analogs. *Quaternary Research*, vol. 23, p. 87-108.

Paillard, D., Labeyrie, L. and Yiou, P., 1996: Macintosh program performs time-series analysis. *EOS Trans., AGU*, vol. 77, p. 379.

Parker, F. L., 1962: Planktonic foraminiferal species in Pacific sediments. *Micropaleontology*, vol. 8, no.2, p 219-254, pls. 1-10.

Parker, F.L. and Berger, W.H., 1971: Faunal and solution patterns of planktonic foraminifera in surface sediments of the South Pacific. *Deep-Sea Research*, vol. 18, p. 73-107.

Pflaumann, U., Duprat, J., Pujol, C. and Labeyrie, L., 1996: SIMMAX: A modern analog technique to deduce Atlantic sea surface temperatures from planktonic foraminifera in deep-sea sediments. *Paleoceanography*, vol. 11, no. 1, p. 15-35.

Pisias, N.G. and Moore, T.C., 1981: The evolution of the Pleistocene climate: a time series approach. *Earth and Planetary Science Letters*, vol. 52, p. 450-458

Pisias, N.G. and Prell, W.L., 1985: Changes in calcium carbonate accumulation in the equatorial Pacific during the late Cenozoic: evidence from HPC Site 572. In, Sundquist, E.T. and Broecker, W.S. eds., *The Carbon Cycle and Atmospheric CO<sub>2</sub>: Natural Variations Archean to Present*. Amer Geophys. Monogr., vol.32, p.443-454.

Prell, W.L., 1984: Variation of monsoonal upwelling: A response to changing solar radiation. In, Hansen, J.E. and Takahashi, T. eds., *Climate Processes and Climate*

- Sensitivity: *Geophysical Monograph Series*, vol. 29,  
American Geophysical Union, Washington D.C., p. 48-57.
- Prell, W., 1985: *The stability of low latitude sea surface temperatures: An evaluation of the CLIMAP reconstructions with emphasis on the positive SST anomalies*. Rep. TR 025, p. 1-60, U.S. Department of Energy, Washington D.C.
- Prell, W.L. and Curry, W.B., 1981: Faunal and isotopic indices of monsoonal upwelling: Western Arabian Sea. *Oceanologia Acta*, vol. 4, p. 91-98.
- Prell, W.L., Imbrie, J., Martison, D.G., Morley, J.J., Pisias, N., Shackleton, N.J. and Streeter, H.F., 1986: Graphic correlation of oxygen isotope stratigraphy application to the Late Quaternary. *Paleocanography*. vol. 1, no. 2, p. 137-162.
- Prell, W.L., and Kutzbach, J.E., 1987: Monsoon variability over the past 150,000 years. *Journal of Geophysical Research*, vol. 92, p. 8411-8425.
- Reid, J.L., 1965: Intermediate waters of the Pacific Ocean. *The John Hopkins Oceanographic Studies*, no 2, 85 pp.
- Reynolds, L. and Thunell, R., 1986: Seasonal production and morphologic variation of *Neogloboquadrina pachyderma* (Ehrenberg) in the northeast Pacific. *Micropaleontology*, vol. 32, p. 1-18, pls. 1-2.
- Reynolds-Suater, L. and Thunnel, R., 1991: Planktonic foraminiferal response to upwelling and seasonal hydrographic conditions: sediment trap results from San

Pedro Basin, Southern California Bight. *Journal of Foraminiferal Research*, vol. 21, p. 347-363.

Rivkin, R.B., Legendre, L., Deibel, D., Tremblay, J-E., Klein, B., Crocker, K., Roy, S., Silverberg, N., Lovejoy, C., Mesple, F., Romero, N., Anderson, M.R., Matthews, P., Savenkoff, C., Vezina, A., Therriault, J., Wesson, J., Berube, C. and Ingram R.G., 1996: Vertical Flux of Biogenic Carbon in the Ocean: Is there a Food Web Control? *Science*, vol. 272, p. 1163-1166.

Saito, T., Thompson, P.R. and Breger, D., 1981: *Systematic index of Recent and Pleistocene planktonic foraminifera*. University of Tokyo Press, 190 p., 56 pls.

Schweitzer, P.N., 1997: ANALOG: A program for estimating paleoclimate parameters using the method of modern analogs. U.S. Geological Survey Open-File Report 94-645.

Snoecks, H. and Rea, D.K., 1994: Late Quaternary CaCO<sub>3</sub> stratigraphy of the equatorial Pacific. *Paleoceanography*, vol.9, p.341-353.

Stephens, M.P. and Kadko, D.C., 1997: Glacial Holocene calcium carbonate dissolution at the central equatorial Pacific seafloor. *Paleoceanography*, vol. 12, p.797-804.

Takemoto, A. and Oda, M., 1997: New planktic foraminiferal transfer function for the Kuroshio-Oyashio Current off Japan. *Paleontological Research*, vol.1, no.4, p. 291-310.

Tanaka, Y., 1997: Calcareous nannofossils in the sediments taken from the western equatorial Pacific. In, Nishimura, A. and Kawahata, H., eds., *Study on element cycles in the oceans* (1996 F.Y. Report) Geological Survey of Japan, p.109-113. (in Japanese)

Thompson, P.R., 1976: Planktonic foraminiferal dissolution and the progress towards a Pleistocene equatorial Pacific transfer function. *Journal of Foraminiferal Research*, vol. 6, p.208-227.

Thompson, P.R., 1977 MS: *Pleistocene and Recent Foraminifera of the western Pacific Ocean: biostratigraphy, dissolution and paleoecology*. Ph.D. dissertation, Tohoku University, Sendai, 475 pp.

Thompson, P.R., 1981: Planktonic Foraminifera in the western north Pacific during the past 150,000 years: Comparison of modern and fossil assemblages. *Palaeocanography, Palaeoclimatology, Palaeoecology*, vol. 35, p. 241-279.

Thompson, P.R., Be', A.W.H., Duplessy, J.C., and Shackleton, N., 1979: Disappearance of pink-pigmented *Globigerinoides ruber* at 120,000 yr BP in the Indian and Pacific Oceans. *Nature*, vol.41, p.255-264.

Thompson, P.R., Baron, J., Cronin, T., Fleming, F., Ishman. S., Poore, R., Willard, D. and Holtz, T., 1994: Joint investigation of the middle Pliocene climate I: PRISM paleoenvironmental reconstructions: Global and Planetary Change, vol. 9 p. 169-196.

Thunell, R., Anderson, D., Gellar, D. and Miao, Q., 1994: Sea-Surface Temperature Estimates for the Tropical Western Pacific during the Last Glaciation and their Implications for the Pacific Warm Pool. *Quaternary Research*, vol. 41, p. 255-254.

Ufkes, E. and Zachariasse, W.J., 1993: Origin of coiling differences in living neogloboquadrinids in the Walvis Bay region, off Namibia, southwest Africa: *Micropaleontology*, v. 39, p. 823-831.

Vincent, E., 1975: Neogene Planktonic Foraminifera from the central north Pacific, Leg 32, Deep Sea Drilling Project. In, Larson, R.L., Moberly, R., et al., *Initial reports of the Deep Sea Drilling Project*, vol.32, p. 765-801, Washington, (U.S. Government Printing Office).

Warren, B.A., 1983: Why is no deep water formed in the North Pacific. *Journal of Marine Research*, vol.41, p. 327-347.

Williams, D.F., Healy-Williams, N. and Laschak, 1985: Dissolution and water-mass patterns in the southeast Indian Ocean, I, Evidence from Recent to Late Holocene foraminiferal assemblages. *Geological Society of America Bulletin* 96, p. 176-189.

Williams, D.F., Thunell, R.C., Tappa, E., Rio, D. and Raffi, I., 1988: Chronology of the Pleistocene oxygen isotope record: 0-1.88 m.y. B.P. *Palaeogeography, Palaeoclimatology, Palaeoecology*, vol. 64, p. 221-240

Waelbroeck, C., Labeyrie, L., Duplessy, J., Guiot, J., Labacherie, M., Leclaire, H. and Duprat, J., 1998:

Improving past sea surface temperature estimates based on planktonic fossil faunas. *Paleoceanography*, vol. 13, no. 3, p. 272-283.

Wu, G. and Berger, W.H., 1989: Planktonic Foraminifera: differential dissolution and the Quaternary stable isotope record in the western equatorial Pacific. *Paleoceanography*, vol 4, p.181-198.

Xu, X. and Oda, M., 1995: Surface water changes in the Ryuku Trench slope region, western margin of the North Pacific during the last 320,000 years. *Transactions and Proceedings of the Palaeontological Society of Japan, N.S.*, no. 178, p. 105-121.

Xu, X., Kimoto, K. and Oda, M., 1995: Predominance of left coiling *Globorotalia truncatulinoides* (d'Orbigny) between 115,000 and 50,000 yrs BP: A latest foraminiferal biostratigraphic event in the western north Pacific. *The Quaternary Research*, vol. 34. p.39-47.

Zahn, R., Rushdi, A., Pisias, N.G., Bornhold, B., Blaise, B. and Karlin, R., 1991: Carbonate depositon and benthic  $\delta^{13}\text{C}$  in the subarctic Pacific: implications for changes of the oceanic carbonate system during the past 750,000 years. *Earth and Panetary Science Letters*, vol. 103, 116-132.