

## ***Edward L. Miles***

### PERSONAL

Date of Birth: December 21, 1939, in Trinidad, West Indies,  
Naturalized U.S. citizen.  
Present Address: HOME: 3136 Broadway E., Seattle, WA 98112  
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### PRESENT POSITION

Virginia and Prentice Bloedel  
Professor of Marine Studies, and Public Affairs.  
Former Director, School of Marine Affairs, 1982-1993.  
Senior Fellow, Joint Institute for the Study of Atmosphere and Ocean (JISAO), University of Washington. Co-Director Center for Science in the Earth System (CSES)  
Adjunct Professor, School of Fisheries.

### EDUCATION

1962: B.A. Magna cum laude, honors in History, Howard University Washington, D. C.  
Summer 1962: Certificate of Achievement, International Summer School, University of Oslo, Oslo, Norway.  
Summer 1964: Research Assistant, Stanford Studies of the Communist System, Stanford University.  
1962-65: Graduate study in international relations, University of Denver, Ph.D. in International Relations, August, 1965. (Related fields in Sociological Theory and Comparative Politics.)

### RECENT HONORS AND AWARDS

Chairman, Advisory Committee for International Programs, National Science Foundation, 1990-1993.  
Member, Advisory Committee for the Social, Behavioral, and Economic Science, National Science Foundation, 1993-1995.  
1993-94, Sabbatical Award of University of Washington. Appointed Consultant to the Intergovernmental Panel on Climate Change, WMO, Geneva; Visiting Professor, Institute of Political Science and Center for International Climate and Energy Research (CICERO), University of Oslo; Senior Fellow, Fridtjof Nansen Institute, Lysaker, Norway.  
1995-Present, Principal Investigator Project on the Impacts of Climate Variability, Climate Change, and Response Strategies in the Pacific Northwest, supported by the Office of Global Programs, NOAA.  
1999, College of Ocean and Fisheries Sciences, University of Washington, Distinguished Research Award.  
Member, Climate and Global Change Advisory Panel, Office of Global Programs, NOAA, 1996 to 2004.  
Member, International Scientific and Technical Advisory Committee, International Research Institute for Climate Predictions, Lamont-Doherty Earth Observatory, Columbia University Earth Institute, 1996-2004.  
Member, Science Advisory Panel, U.S. Commission on Ocean Policy, 2002-2004.  
2003, April 29. Elected to Membership in the U.S. National Academy of Sciences.

### FIELDS OF SPECIALIZATION

International Law and Organization; Science, Technology, and International Relations; Marine Policy and Ocean Management; and the Impacts of Climate Variability and Climate Change.

### ACADEMIC APPOINTMENTS

*Courses taught at UW (Graduate only):*  
International Organizations and Ocean Management.  
International Science and Technology Policy.  
Ocean Policy and Resources Seminar (joint with School of Law).

Regional Implementation of Exclusive Economic Zones.  
National Ocean Policy Processes: United States & Comparative.  
The Management of Non-Living Marine Resources, joint with John Delaney, School of Oceanography  
Governmental Responses to Global Climate Change, Course jointly sponsored by School of Marine Affairs,  
Graduate School of Public Affairs, School of Oceanography, and Dept. of Atmospheric Sciences.  
Advanced Marine Affairs Practice: Integrated Assessment.  
Seminar on Thesis Research

## RECENT RESEARCH

My research has focused on a wide range of international policy problems in marine affairs, including the negotiation and implementation of the new world ocean regime, problems of fisheries management, problems of environmental protection, and the sub-seabed disposal of high-level radioactive waste. I have also worked on the comparative evaluation of effectiveness in international environmental regimes, and problems of assessment of global and regional climate change. My principal engagement since 1995 has been as Director of the Climate Impacts Group at The University, funded by NOAA Office of Global Programs to produce an assessment of the impacts of climate variability and change on the Pacific Northwest. The total NOAA/OGP funding to support the Climate Impacts Group from 1995-2006 amounts to \$9,148,100.

## RECENT PUBLICATIONS (1993-2004)

Tadao Kuribayashi and Edward L. Miles (eds.). *The Law of the Sea in the 1990s: A Framework for Further International Cooperation*, (Honolulu: Law of the Sea Institute, University of Hawaii, 1992).

Edward L. Miles. "Future Challenges in Ocean Management: Towards Integrated National Ocean Policy," in Paolo Fabbri (ed.). *Ocean Management in Global Change*, (London and New York: Elsevier Applied Science, 1992), pp. 595-620.

Edward L. Miles. "An Interpretation of the Negotiation Process of UNCLOS III," in R. St. J. Macdonald. *Essays in Honor of Prof. Wang Tieya*, (Toronto: University of Toronto Press, in Press (1993).

Edward L. Miles. "Towards More Effective Management of High Seas Fisheries," *Asian Yearbook of International Law*, Vol. III, No. 1 (1993).

Edward L. Miles. "The Potential Role of Regional Organizations Related to the Marine Environment in the Context of Global Climate Change." *The Role of Regional Organizations in the Context of Global Warming*, NCAR Report #NCAR MS5231/93-7, pp. 103-110. Published in Michael H. Glantz (ed.) *The Role of Regional Organizations in the Context of Climate Change*, (Berlin: Springer Verlag, 1994), pp. 120-127.

Edward L. Miles and Tullio Treves (eds.). *The Law of the Sea: New Worlds New Discoveries*, (Honolulu: Law of the Sea Institute, 1993).

William Burke, Marc Freeberg, and Edward Miles. "The United Nations Resolutions on Driftnet Fishing: An Unsustainable Precedent for High Seas and Coastal Fisheries Management," *Ocean Development and International Law Journal*, Vol. 25 (1994), pp. 127-186.

Edward L. Miles. "Ocean Policy Development in the 1990's: The Uses and Limitations of the Diplomatic Arena," in Kathleen I. Matics and Ted L. McDorman (eds.). *Summary and Selected Papers of the SEAPOL TM-Regional Conference*, (Bangkok: SEAPOL, 1995), pp. 32-60. (Keynote Paper of the Conference).

Venugopalan Ittekkot, Su Jilan, and E. Miles. "Oceans," Chapter 8 in Robert T. Watson et. al. (eds.). *Climate Change 1995*, Vol. II of the Second Assessment Report of the Intergovernmental Panel on Climate Change, (Cambridge: Cambridge University Press, 1996), pp. 267-288.

Edward L. Miles. "The Approaches of UNCLOS III and Agenda 21 — A Synthesis," Paper Presented to the 29th Annual Conference of the Law of the Sea Institute, Denpasar, Bali, June 19-22, 1995. In Mochtar Kusuma-Atmadja, Thomas A. Mensa, and Bernard Oxman (eds.). *Sustainable Development and Preservation of the Oceans: The Challenges of UNCLOS and Agenda 21*, (Honolulu: Law of the Sea Institute, University of Hawaii, 1997), pp. 16-42).

Edward L. Miles. "Personal Reflections on an Unfinished Journey Through Global Environmental Problems of Long Timescale." *Policy Sciences*, Vol. 31 (1998), pp. 1-33.

Edward L. Miles. "U.S. Security Interests in a Post-Cold War World and the Law of the Sea," in Donald Anton, Jonathan Charney, and Mary Ellen O'Connell (eds.). *Politics, Values, and Functions: Essays in Honor of Louis Henkin*, (The Hague: Martinus Nijhoff Publishers, 1997), pp. 353-376; Simultaneously published as a special issue of the *Columbia Journal of Transnational Law*, Vol. 36 (1997), pp. 373-398.

Edward L. Miles. *Global Ocean Politics: The Decision-Process at the Third United Nations Conference on the Law of the Sea*, (The Hague: Kluwer International, 1998), 750 pp.

B. Callahan, E. Miles, and D. Fluharty. "Policy Implications of Climate Forecasts for Water Resources Management in the Pacific Northwest," *Policy Science*, (The Hage: Kluwer Academic, 1999) Vol. 32, pp. 269-293.

Edward Miles, Nathan Mantua, and Philip Mote. "ENSO Impacts on the Pacific Northwest: An Integrated Assessment," in W. S. Wooster and W. T. Burke (eds.). *Proceedings of the Public Program, 25<sup>th</sup> Anniversary Symposium of the School of Marine Affairs, University of Washington*, 1998, pp. 90-98.

Edward L. Miles. "The Concept of Ocean of Ocean Governance: Evolution Toward the 21<sup>st</sup> Century and the Principle of Sustainable Ocean Use," paper presented to the SEAPOL Workshop on Ocean Governance and System Compliance in the Asia-Pacific Context, Rayong, Thailand, December 9-11, 1997, 52 pp. Published in *Coastal Management*, Vol. 27, No. 1 (January-March, 1999), pp. 1-30.

Edward L. Miles, Amy Snover, Alan Hamlet, Bridget Callahan, and David Fluharty. 2000. "Pacific Northwest Regional Assessment: The Impacts of Climate Variability and Climate Change on the Water Resources of the Columbia River Basin," *Journal of the American Water Resources Association*, Vol. 36, No. 2 (April), pp. 399-420. Winner of the 2001 Boggess Award for the best paper published in the Journal during 2000.

Edward L. Miles, Arild Underdal, Steinar Andresen, Jørgen Wettestad, Jon Birger Skjaereth, and Elaine Carlin. 2002. *Environmental Regime Effectiveness: Confronting Theory with Evidence*, (Cambridge, MA: MIT Press).

Edward L. Miles, Amy Snover, and the JISAO/SMA Climate Impacts Group. *Rhythms of Change: An Integrated Assessment of Climate Impacts on the Pacific Northwest*, (Cambridge, MA: MIT Press, in revision).

Edward L. Miles. 2001 "Global Climate Change and Marine Policy: A Challenge for the New Millennium," Keynote Speech, SEAPOL Inter-Regional Conference on "Ocean Governance and Sustainable Development in the East and Southeast Asian Seas: Challenges in the New Millennium." Published in Douglas M. Johnston and Ankana Sirivivatnanon. 2002. *Ocean Governance and Sustainable Development in the Pacific Region*, (Bangkok: Southeast Asia Programme in Ocean Law, Policy and Management (SEAPOL), pp. 16-50.

Edward L. Miles. 2001. "Principles, Policies, and Institutional Arrangements for Coastal and Marine Management in the Malacca Straits." Paper presented to the Second International Conference on the Straits of Malacca, 15-18 October, Penang. Paper published 2002 in F. M. Yusoff *et al.* *Tropical Marine Environment: Charting Strategies for the Millennium*, (Serdang, Selangor: Malacca Straits Research and Development Centre [MASDEC], University Putra Malaysia), pp. 45-52.

Mote, P. W., E. A. Parson, A. F. Hamlet, K. G. Ideker, W. S. Keeton, D. P. Lettenmaier, N. J. Mantua, E. L. Miles, D. W. Peterson, D. L. Peterson, R. Slaughter, and A. K. Snover. 2003. "Preparing for Climate Change: The Water, Salmon, and Forests of the Pacific Northwest," *Climatic Change*, 61:45-88.

Miles, Edward L. 2003. "Beyond the Kyoto/Marrakesh Protocol: Options and Strategies," accepted for publication in Peterson, D. L. and J. L. Innes. 2003. *Climatic Change, Carbon, and Forestry in Northwestern North America*. USDA Forest Service General Technical Report GTR-PNW-xxx. Pacific Northwest Research Station, Portland, Oregon, USA.

Snover, A. K., E. L. Miles, and A. F. Hamlet. 2003. Learning from and Adapting to Climate Variability in the Pacific Northwest. Background Paper for: Insights and Tools for Adaptation: Learning from Climate Variability, Washington, D.C., November 18-20, (pp. 167-179). NOAA/OAR Office of Global Programs, Climate and Societal Interactions. JISAO pub. #1029.

Strom, Are, Robert C. Francis, Nathan J. Mantua, Edward L. Miles, David L. Peterson. 2004. North Pacific Climate Recorded in Growth Rings of Geoduck Clams: A New Tool for Paleoenvironmental Reconstruction. *Geophysical Research Letters*, Vol. 31, L06206, doi: 10.1029/2004GL019440, 2004.