

Andrew A. Rosenberg, Ph.D.
Director, Center for Science and Democracy
Union of Concerned Scientists

CURRICULUM VITAE

Work Address Union of Concerned Scientists, 2 Brattle Square,
Cambridge, MA, 02138-3780 USA

Education Ph.D., Biology, 1984, Dalhousie University, Halifax, Nova Scotia, Canada

M.S., Oceanography, 1980, Oregon State University, Corvallis, Oregon

B.S., magna cum laude, Fisheries Biology, 1978, University of
Massachusetts, Amherst, Massachusetts

PROFESSIONAL EMPLOYMENT

Director, Center for Science and Democracy present
Union of Concerned Scientists

- Develop a new Center focused on the role of science in the democratic process
- Develop strategy for the new Center
- Fundraise to build capacity for the Center for Science and Democracy
- Speak out on issues of science and democracy for UCS

Senior Vice President for Science + Knowledge 2010 - 2012
Conservation International

- Chief Scientist for major international environmental NGO
- Senior manager of CI's science program – 75 staff
- Major fundraising responsibilities for science program
- Spokesperson for the organization on science issues
- Research on ecosystem-based management, climate adaptation, fisheries science and management

Professor of Natural Resources and the Environment 2004 – present
(affiliate status currently)

University of New Hampshire

- Faculty in the Institute for the Study of Earth, Oceans and Space and Department of Natural Resources and the Environment.
- Offering courses in environmental policy, ecosystem-based management, fisheries population dynamics, and ocean policy at undergraduate and graduate levels.
- Major professor and mentor for graduate students at M.S and Ph.D level.
- Research on ecosystem-based management of human impacts, ocean policy, historical ecology, marine science, ocean and fisheries management.

Dean, College of Life Sciences and Agriculture, 2000 - 2004
University of New Hampshire, Durham , NH

- Academic and administrative management responsibility for eight departments with 160 faculty and a budget of \$30 million.
- Increased externally funded research from 2.6 million to \$17 million in four years.
- Initiated review, reinvigoration and re-alignment of College programs academically and administratively.
- Professor of Natural Resources.

Deputy Director, National Marine Fisheries Service 1998 - 2000
National Oceanic and Atmospheric Administration, Silver Spring, Maryland

- Senior career official (Senior Executive Service 3) with programmatic and administrative responsibility for a federal agency with 2,800 employees and a budget of over \$500 million.
- Responsible for implementing fisheries, protected resources and habitat management efforts nation-wide including regulatory actions, grant programs, and science and research programs.
- Key agency spokesperson in policy discussions and presentations for the Administration, Congress and with the public.
- Head of Delegation for the United States to international marine science and management organizations.

Northeast Regional Administrator, National Marine Fisheries Service 1995 - 1998
National Oceanic and Atmospheric Administration, Gloucester, MA

- Senior federal official for regional activities from Canada to Cape Hatteras with 400 employees and a budget of \$30 million.
- Negotiated on behalf of the government, recovery plans for New England and Mid-Atlantic fishery resources, endangered species protections such as for harbor porpoise and right whales, and habitat conservation programs region-wide.
- Oversight responsibility for the Northeast Fisheries Science Center laboratories in Woods Hole, Narragansett, Sandy Hook and the Smithsonian.
- Key agency spokesperson to the public, Congress and internationally.

Chief of Research Coordination, National Marine Fisheries Service 1990 - 1995
National Oceanic and Atmospheric Administration, Northeast Region

Assistant Professor/Lecturer in Environmental Technology, 1986 - 1990
Imperial College of Science and Technology, University of London, England

NATO Postdoctoral Researcher, Centre for Environmental Technology 1984 - 1986
Imperial College of Science and Technology, University of London, England

SELECTED PROFESSIONAL ACTIVITIES AND APPOINTMENTS

Co-chair, Science and Technical Advisory Committee, UN Intergovernmental Oceanographic Commission Transboundary Waters Assessment Project.	2014-present
Member, U.S. National Climate Assessment Development Advisory Panel, Convening lead author for oceans chapter, member Exec Sec.	2011 - present
Editor, Conservation Letters	2012 – present
US Ocean Research Advisory Panel (Navy)	2012 - present
Panel Member, National Academy of Science, America’s Climate Choices, Climate Adaptation Strategy	2008 - 2010
National Academy of Sciences, Ocean Studies Board	2008 – 2013
National Science Foundation, Geosciences Advisory Board	2009 - 2012
Commissioner, U.S. Commission on Ocean Policy U.S. Presidential Appointment and Steering Committee Member Joint Ocean Commissions Initiative	2001 - present
Board of Directors, Massachusetts Ocean Partnership (now SeaPlan)	2006 - present
President, MRAG Americas Inc. Environmental consulting company	2004 - present
Panel of Experts, UN World Ocean Assessment (convening author for several chapters)	2006 – present
Senior Fellow, World Wildlife Fund	2000 - 2008
Senior Scientist, Communication Partnership for Science and the Sea	1999 - 2010
Chairman, U.S. Steering Committee for the Census of Marine Life	2006 - 2010
Board of Directors, Fishwise Seafood Watch Program	2007 – present
National Center for Ecological Analysis and Synthesis Working Groups member, Ecosystem Health, Ecosystem-based Management,	2007- 2011

Marine Ecosystem Status, Marine Protected Areas	
Scientific Advisor, Marine Managed Areas Program Conservation International	2006 – 2009
Advisor on Ocean Affairs, U.N. Division for Ocean Affairs and Law of the Sea	2006
Member, National Academy of Sciences Review Panel on Ecosystem Effects of Fishing	2005
Member, NOAA Research Review Team	2004
Commissioner and Head of Delegation North Atlantic Salmon Conservation Organization U.S. Presidential appointment	1996 - 2000
Commissioner and Head of Delegation Northwest Atlantic Fisheries Organization U.S. Secretary of Commerce appointment	1997 - 2000
U. S. delegate, United Nations Food and Agriculture Organization (FAO) Committee on Fisheries	1999
Steering Committee for United Nations FAO Tech. Consultation on the Precautionary Approach for Fishery Management	1995
U. S. delegate and Chair of the Biological Reference Points Working Group United Nations Conference on Highly Migratory Fish Stocks and Straddling Fish Stocks	1994

SELECTED INVITED LECTURES

University of Washington, Climate Change Impacts in the Ocean	2014
University of Notre Dame Conference on Faith and Climate Change	2013
Witness, Senate Committee on Agriculture, Food Security	2011
Ocean Policy Taskforce, CEQ, National Ocean Policy	2010
Puget Sound Partnership Keynote address, Ecosystem-based Management	2009
Aspen Institute, Invited speaker, Ecosystem-based Management	2009

Ransom A. Myers Memorial Lecture, Dalhousie University	2008
AAAS Annual Science Meetings	2008-2013
NOAA Science Advisory Board	2008
Invited Speaker, Marifish, EU Commission Conference on Fisheries	2007
Witness, U.S. House of Representatives, Resource Committee Fishery Management	2006, 2007
Invited Speaker, Capitol Hill Oceans Week	2005- 2013
Invited Speaker, U.S. House of Representatives House Ocean Caucus	2005
1 st Annual Ocean Lecture in Honor of Elizabeth Mann Borges Dalhousie University	2005
Witness, U.S. House of Representatives Resources Committee on restructuring of the National Oceanic and Atmospheric Administration	2005
AAAS Science Symposia, Washington DC (three presentations at Annual meeting)	2005
Lecture in Honor of Don Bevan, University of Washington, Seattle	2005

HONORS AND AWARDS

Ecological Society of America Sustainability Science Award for Paper in Science (2009)	2011
AAAS Fellow, Societal Contributions to Science and Engineering,	2006
Watkins Award, Consortium for Ocean Research and Education	2005
Presidential Award for Meritorious Service to the United States,	2000
U. S. Coast Guard 1 st District Commendation	1998
World Wildlife Fund Commendation for Conservation,	1998
Distinguished Alumnus Award, University of Massachusetts	1998
NOAA Bronze Medal Awards (3),	1997
NATO Postdoctoral Research Fellowship,	1985 - 1986
Killam Memorial Scholarship,	1982 - 1984

SELECTED PUBLICATIONS

Beever, E.A., J. O’Leary, C. Mengelt, J.M.West, S. Julius, N. Green, D. Magness, L. Petes, B. Stein, A. B. Nicotra, J. J Hellmann, A. L. Robertson, M. D Staudinger, A.A. Rosenberg, E. Babij, J. Brennan, G. W. Schuurman, and G. E Hofmann. 2015. Improving conservation outcomes with a new paradigm for understanding species’ fundamental and realized adaptive capacity. *Conservation Letters* DOI: 10.1111/conl.12190

Rosenberg, A. A., L. M. Branscomb, V. Eady , P. C. Frumhoff, G. T. Goldman, M. Halpern, K. Kimmell, Y. Kothari, L. D. Kramer, N. F. Lane, J. J. McCarthy, P. Phartiyal, K. Rest, R. Sims, C. Wexler. Congress's attacks on science-based rules. *Science* 29 May 2015: Vol. 348 no. 6238, pp. 964-966.

Saavedra Diaz, L. M., Martin Lopez, B., A. A. Rosenberg. 2015. Social perceptions of Colombian small-scale marine fisheries conflicts: insights for management. **Marine Policy** 56:61-70.

Halpern, B. S., C. Longo, JS Stewart Lowndes, B. D. Best, M. Frazier, S. K. Katona, K. M. Kleisner, A. A. Rosenberg, C. Scarborough, and E. R. Selig. 2015. Patterns and emerging trends in global ocean health. **PLoS one** 10 (3): e0117863.

Rosenberg, A.A. 2015. Uncertainty inevitable but not an excuse for inaction. **The Environmental Forum** 32(2): 53.

Rosenberg, A. A., P. Phartiyal, G. Goldman, L. M. Branscomb. 2014. Exposing fracking to sunlight. **Issues in Sci and Technol.** 31 (1): 74-79.

Guidetti P., P. Baiata, E. Ballesteros, A. Di Franco, B. Hereu, E. Macpherson, F. Micheli, A. Pais, P. Panzalis, A. A. Rosenberg, M. Zabala, and E. Sala. 2014. Large-Scale Assessment of Mediterranean Marine Protected Areas Effects on Fish Assemblages. **PLoS ONE** 9(4): e91841. doi:10.1371/journal.pone.0091841

DeLauer, V.G.,A. A. Rosenberg, N. C. Popp, D. R. Hiley, and C. Feurt. 2014. The Complexity of the Practice of Ecosystem-Based Management. **Integral Review** 10:4-28.

Micheli, F., B. S. Halpern, S. Walbridge S. Ciriaco, F. Ferretti, S. Frascchetti, R. Lewison, L.Nykjaer, and A. A. Rosenberg. 2013. Cumulative human impacts on Mediterranean and Black Sea marine ecosystems: assessing current pressures and opportunities. **PLoS One.** 8(12): e79889. doi:10.1371/journal.pone.0079889

Rosenberg, A.A., Halpern, .M, Shulman, S., Wexler, C., Phartiyal, P. 2013. Reinvigorating the Role of Science in Democracy. **PLoS Biol** 11(5): e1001553.

Glaser, S. M., M. J. Fogarty, H. Liu, I. Altman, C.H. Hsieh, L. Kaufman, A.D. MacCall, A. A.

Rosenberg, H. Ye, G. Sugihara. 2013. Complex dynamics may limit prediction in marine fisheries. **Fish and Fisheries** DOI 10:1111/faf 12037.

Menzel, S., C. V. Cappel, B. Broitman, F. Micheli, A. A. Rosenberg. 2013. Linking human activity and ecosystem condition to inform marine ecosystem based management. **Aquat. Cons. Mar. Freshw. Ecosyst.** 23:506-514

Sala, E., C. Costello, D. Dougherty, G. Heal, K. Kelleher, J. H. Murray, A. A. Rosenberg, R. Sumaila. 2013. A general business model for marine reserves. **PLoS One** 8(4): e58799. doi:10.1371/journal.pone.0058799

Branscomb, Lewis M., and Andrew A. Rosenberg. 2012. Researchers and conscientious citizens must unite against the partisan rancor in American politics and restore the role of scientific information in policymaking." **Scientist** 26 (10): 23.

Liu, H., Fogarty, M.J., Glaser, S.M., Altman, I., Hsieh, C.H., Kaufman, L., Rosenberg, A.A., Sugihara, G. 2012. Nonlinear dynamic features and co-predictability of the Georges Bank fish community. **Mar Ecol Prog Ser.** 464: 195-207.

Sala, E., E. Ballesteros, P. Dendrinos, A. Di Franco, F. Ferretti, D. Foley, S. Fraschetti, A. Friedlander, J. Garrabou, H. Güçlüsoy, P. Guidetti, B. S. Halpern, B. Hereu, A. A. Karamanlidis, Z. Kizilkaya, E. Macpherson, L. Mangialajo, S. Mariani, F. Micheli, A. Pais, K. Riser, A.A. Rosenberg, M. Sales, K. A. Selkoe, R. Starr, F. Tomas, M. Zabala. 2012. The structure of mediterranean rocky reef ecosystems across environmental and human gradients, and conservation implications. **PLOS One**, 7(2): e32742. doi:10.1371/journal.pone.003274

Halpern, B. S., C. Longo, D. Hardy, K.L. McLeod, J. F. Samhuri, S. K. Katona, K. K. Kleisner, S. E. Lester, J. O'Leary, M. Ranneletti, A. A. Rosenberg, and 21 others. 2012. An index to assess health and benefits of the global ocean. **Nature** 488: 615-620.

Rosenberg, A. A. 2012. Changing U.S. ocean policy can set a new direction for marine resource management. **Ecology and Society** 14(2):6. 5p.

Halpern, B.S., J. Diamond, S. Gaines, S. Gelcich, M. Gleason, S. Jennings, S. Lester, A. Mace, L. McCook, K. McLeod, N. Napoli, K. Rawson, J. Rice, A. Rosenberg, M. Ruckelshaus, B. Saier, P. Sandifer, A. Sholtz, A. Zivian. 2011. Near-term priorities for the science, policy and practice of Coastal and Marine Spatial Planning (CMSP). **Marine Policy** 36:198-205.

Sugihara, G., J.R. Beddington, C. Hsieh, E. Deyle, M.J. Fogarty, S. M. Glaser, R. Hewitt, A. Hollowed, R. M. May, S. B. Munch, C. Perretti, A.A. Rosenberg, S. A. Sandin, and H. Ye. 2011. Are exploited fish populations stable? **Proc.of the Nat.Acad. of Sciences.** 108: E1224-E1225.

Wing, K.T, B. D. Gold, E. L. Miles and A. A. Rosenberg. 2011. President Obama's ocean policy and the rise of ecosystem-based management. **Solutions** 2: 31-32.

Garcia, S. M. and A. A. Rosenberg. 2010. Food security and marine capture fisheries: characteristics, trends, drivers and future perspectives. **Phil. Trans. Royal Soc Series B.** 365: 2869-2880.

Fautin, D., Dalton, P., Incze, L. S., Leong, J. C., Pautzke, C., Rosenberg, A., Sandifer, P., Sedberry, G., Tunnell, Jr, J. W., Abbott, I., Brainard, R. E., Brodeur, M., Eldredge, L. G., Feldman, M., Moretzsohn, F., Vroom, P. S., Wainstein, M., and Wolff, N. 2010. An overview of marine biodiversity in US waters. *PLOS ONE* 5(8): 47p.

Costello, C., A. Rassweiler, D. Siegel, G. de Leo, F. Micheli and A. A. Rosenberg. 2010. The value of spatial information in MPA network design. **Proc. Nat. Acad. Sci.**

Altman, I., A. M. H. Blakeslee, G. C. Osio, C. Rillahan, S. J. Teck, J. J. Meyer, J. E. Byers, and A. A. Rosenberg. 2010. A practical approach to guide the implementation of ecosystem-based management using the Gulf of Maine marine ecosystem as a case study. **Frontiers in Ecology and the Environment.**

Rosenberg, A. A. and C. B. Mogensen. 2010. Information issues and constraints in the design and implementation of stock rebuilding programs. Chapter 8 in *OECD. Proceedings of the Workshop on the Economics of Rebuilding Fisheries.*

Worm, B. R. Hilborn, J. K. Baum, T. A. Branch, J. S. Collie, C. Costello, M. J. Fogarty, E. A. Fulton, J. A. Hutchings, S. Jennings, O. P. Jensen, H. K. Lotze, P. M. Mace, T. R. McClanahan, C. Minto, S. R. Palumbi, A. M. Parma, D. Ricard, A. A. Rosenberg, R. Watson and D. Zeller. 2009. Rebuilding global fisheries. **Science** 325: 578-585.

Rosenberg, A. A.. 2009. Changing U.S. Ocean Policy Can Set a New Direction for Marine Resource Management. **Ecology and Society** 14 (2): 6. [online]

Grizzle, R. E., L. A. Ward, H. A. Abeels, L. A. Mayer, J. K. Greene, M. A. Malik, M. A. Brodeur, A. B. Cooper and A. A. Rosenberg. 2009. Effects of a large fishing closure on benthic communities in the western Gulf of Maine: recovery from the effects of gillnets and otter trawls. **Fish. Bull. U.S.** 107: 308-317.

MacKenzie, B.R., H. Mosegaard and A. A. Rosenberg. 2009. Impending collapse of bluefin tuna in the northeast Atlantic and Mediterranean. **Conservation Letters** 2(1):25-34.

Rosenberg, A. A. and P. A. Sandifer. 2009. Manager's perspective: the scientific and technical basis for implementing marine ecosystem-based management. In K. O. McLeod and H. Leslie (eds.) Ecosystem-based management of the ocean. Island Press, Washington, DC. 392p.

Rosenberg, A. A., M. Mooney-Seus, I. Kiessling, C.B. Mogensen, R. O'Boyle, J. Peacey, 2009. Lessons from national level implementation in North America and beyond. In K. O. McLeod and H. Leslie (eds.) Ecosystem-based management of the ocean. Island Press, Washington, DC. 392p.

Prager, M. H. and A. A. Rosenberg. 2008. Closing the loop in fishery management: the importance of instituting regular management review. **Conserv. Biol.** **22:** 830-831.

Rosenberg, A. A. 2008. News and Views: the price of lice. **Nature** 451: 23-24.

Leslie, H. M., A. A. Rosenberg and J. Eagle. 2008. Two views: marine ecosystem-based management. **Frontiers in Ecol. Envir** 6: 2-7.

Halpern, B., K. O. McLeod, A. A. Rosenberg and L. B. Crowder. 2007. Managing for cumulative impacts in ecosystem-based management through ocean zoning. **Ocean and Coastal Manag.** 51: 203-211.

Rosenberg, A. A. 2007. Fishing for certainty – an essay on science and politics. **Nature** 449: 989.

Rosenberg, A. A. and C. W. Glass. 2007. Fisher's responses to management measures and their socio-economic effects. **ICES J. Mar. Sci.** 64: 1612-1613.

Rosenberg, A. A. 2007. Four ways to take the policy plunge: How should researchers best interact with policy-makers for maximum benefit to society? review of *The Honest Broker: making sense of science, policy and politics* by Roger Pielke Jr. **Nature** 448:867.

Myers, R. A., S. A. Boudreau, R. D. Kenney, M. J. Moore, A. A. Rosenberg, S. A. Sherrill-Mix, B. Worm. 2007. Saving Endangered Whales at No Cost. **Current Biology** 17(1): R10-R11.

Crowder, L. B., G. Osherenko, O.R. Young, S. Airame, E.A. Norse, N. Baron, J.C. Day, F. Douvère, C.N. Ehler, B.S. Halpern, S.J. Langdon, K.L. McLeod, J.C. Ogden, R.E. Peach, A.A. Rosenberg and J.A. Wilson. 2006. Resolving mismatches in U.S. ocean governance. **Science** 313: 617-618.

Stefansson, G. and A. A. Rosenberg. 2006. Designing marine protected areas for migrating fish stocks. **J. Fish. Biol.** 69: 66-78.

Rosenberg, A. A., J. H. Swasey, M. B. Bowman. 2006. Rebuilding US fisheries: progress and problems. **Frontiers in Ecology and the Environment** 4(7);303-308.

Rosenberg, A. A. 2006. Regional Governance and Ecosystem-Based Management of Ocean and Coastal Resources: can we get there from here? **Duke Environmental Law and Policy Forum** 16: 179-186.

Harrington, J. M., R. A. Myers and A. A. Rosenberg. 2005. Wasted fishery resources: discarded by-catch in the USA. **Fish and Fisheries** 6: 350-361.

Safina, C., A. A. Rosenberg, R. A. Myers, T. Quinn, and J. Collie 2005. U.S. Ocean fish recovery: keepers, throwbacks, and staying the course. **Science** 309: 707-708.

Rosenberg, A. A. and K. O. MacLeod 2005. Implementing ecosystem-based approaches to management for the conservation of ecosystem services. **Marine Ecol. Prog. Ser.** 300: 270-274.

Rosenberg, A. A., W. J. Bolster, K. E. Alexander, W. B. Leavenworth, A. B. Cooper, and M. G. McKenzie. 2005. The history of ocean resources: modeling cod biomass using historical records. **Frontiers Ecol. Envir.** 3:84-90.

Stefansson G. and A. A. Rosenberg. 2005. Combining control measures for more effective management of fisheries under uncertainty; quotas, effort limitation and protected areas. **Phil. Trans. Royal Soc Ser. B.** 360:133-146.

Rosenberg, A. A. 2003. Managing to the margins: the overexploitation of fisheries. **Frontiers in Ecology and the Envir.** 1(2): 102-106.

Rosenberg, A. A. 2002. The precautionary approach from a manager's perspective. **Bull. Marine Sci.** 70:577-588.

Maguire, J.J., R. Hilborn, A. Parma and A. A. Rosenberg. 2000. The precautionary approach and risk management: can they increase the probability of successes in fishery management? **Can. J. Fish Aquatic Sci.** 58:99-107.

Rosenberg, A. A. 1998. Controlling marine fisheries 50 years from now. **Journal of Northwest Atlantic Fishery Science**, 23:95-103.

Fogarty, M.J., R.K. Mayo, L. O'Brien, F.M. Serchuk and A. A. Rosenberg. 1996. Assessing uncertainty and risk in exploited marine populations. **Reliability Engineering and System Safety**, 54: 183-195.

Myers, R. A., N. J. Barrowman, J.A. Hutchings and A. A. Rosenberg. 1995. Population dynamics of exploited fish stocks at low population levels. **Science** 269.

Rosenberg, A. A., M. J. Fogarty, M. P. Sissenwine, J. R. Beddington and J.G. Shepherd 1993. Achieving sustainable use of renewable resources. **Science** 262: 828-829.

- Sissenwine, M. P. and A. A. Rosenberg. 1993. Marine fisheries at a critical juncture? **Fisheries** 18:6-14.
- Rosenberg, A. A. 1993. Defining overfishing - defining stock rebuilding: report of the second annual National Stock Assessment Workshop. U.S. Dept. Commerce NOAA Tech. Memo NMFS-F/SPO-8. 68p.
- Rosenberg, A. A. and W. Hobart (eds) 1992. Our living oceans: report on the status of U.S. living marine resources, 1992. U.S. Dept. Commerce NOAA Tech Memo NMFS-F/SPO-2. 148p.
- Fogarty, M. J., A. A. Rosenberg and M. P. Sissenwine. 1992. Fisheries risk assessment: sources of uncertainty. **Envir. Sci. Technol.** 26(3): 440-451.
- Gulland, J. A. and A. A. Rosenberg. 1992. A review of length based methods of fish stock assessment. FAO Tech. Rpt. 323, 100p.
- Rosenberg, A. A., M. Basson and J. R. Beddington. 1991. Predictive yield models and food chain theory. *in* Sherman, K. L.M. Alexander and B.D. Gold (editors). Food chains, yields, models and management of large marine ecosystems. Westview Press, Boulder CO.
- Ye, Y. and A. A. Rosenberg. 1991. A study of the dynamics and management of the hairtail fishery in the East China Sea. **Aquat. Living Resour.** 4: 65-75.
- Rosenberg, A. A. and S. Brault 1991. Stock rebuilding strategies over different time scales. NAFO Scientific Council Studies 16.
- Rosenberg, A. A., J. R. Beddington, G. Kirkwood and J. Crombie. 1990. Assessing stocks of annual squid species. **Fisheries Research** 8; 335-350.
- Beddington, J. R. , A. A. Rosenberg and J. Crombie 1990. Stock assessment and the provision of management advice for the shortfin squid fishery around the Falkland Islands. **Fisheries Research** 8: 351-365.
- Bravington, M., A. A. Rosenberg, J.R. Beddington, I.P. Muniz and R. Andersen 1990. Modeling and quantitative analysis of the impact of water quality on the dynamics of fish populations. pp. 467-476. *in* Mason, B.J., editor. The surface waters acidification program. Cambridge Univ. Press.
- Rosenberg, A. A. and J. R. Beddington. 1988. The use of length data in assessing fish stocks. *in* (Gulland, J. A. editor) Fish Population Dynamics 2nd edition. John Wiley and Sons.
- Basson, M. and A. A. Rosenberg. 1988. The accuracy and reliability of two new methods for estimating growth parameters from length frequency data. **J. du Conseil ICES** 44:277-285.
- Rosenberg, A. A. and J. R. Beddington. 1987. Monte Carlo testing of two methods for

estimating growth from length frequency data with general conditions for their applicability. in Pauly, D. and G.R. Morgan (eds) Length based methods in fisheries research. ICLARM Conf. Proc. 13.

Rosenberg. A. A. and J. R. Beddington 1987. Harvesting interacting species of different lifespans. **IMA Journ. Math Appl. Med. Biol.**

Rosenberg. A. A. and J. G. Pope 1987. Comments on age-length vs length-age relationships. in Pauly, D. and G.P.Morgan (eds) Length based methods in fisheries research. ICLARM Conf. Proc. 13.

Rosenberg. A. A. and R. W. Doyle 1986. The dependence of recruitment on age-specific stock density for southwest Nova Scotia herring. **Can. J. Fish Aquat. Sci.** 43: 674-679.

Rosenberg. A. A., M. Basson and J. R. Beddington. 1986. The growth and longevity of Antarctic krill during the first decade of pelagic whaling. **Nature** 327: 152-154.

Coelho, M. L. and Rosenberg. A. A. 1984. Causal analysis of some biological data on Illex illecebrosus. **NAFO Sel. Pap.** No 7.

Rosenberg. A. A. 1982. Growth of juvenile English sole, Parophrys vetulus, in estuarine and open coastal nursery grounds. **Fish. Bull. U.S.** 80:245-252.

Laroche, J.L., S.L.Richardson and A. A. Rosenberg. 1982. Age and growth of a pleuronectid, Parophrys vetulus, during the pelagic larval period in Oregon coastal waters. **Fish. Bull. U.S.** 80:93-104.

Rosenberg. A. A. and J. L. Laroche. 1982. Growth during metamorphosis of English sole, Parophrys vetulus. **Fish. Bull. U.S.** 80: 150-153.

Rosenberg. A. A. and A. S. Haugen. 1982. Individual growth and size selective mortality of larval turbot reared in enclosures. **Marine Biology** 72: 73-77.

Lough , R. G., M. Pennington, G. Bolz and A. A. Rosenberg. 1982. Age and growth of larval Atlantic herring in the Gulf of Maine George's Bank region based on otolith growth increments. **Fish. Bull. U. S.** 80:187-199

Rosenberg. A. A. K. F. Wiborg and I. M. Bech. 1981. Growth of Todarodes sagittatus from the northeast Atlantic based on counts of statolith growth rings. **Sarsia** 66: 53-57.

Rosenberg, A. A. and R. G. Lough. 1977. A preliminary report on the age and growth of larval herring from daily growth increments in otoliths. ICES. Res Doc. C. M. L:26.

SELECTED RECENT REPORTS

The US National Climate Assessment, US Global Change Research Program, 2014

Implementing Ecosystem-based Management; a report to the National Ocean Council. 2013

Developing new approaches to estimating global fishery exploitation status and maximum productivity of the seas. FAO Technical Report, 2013.

The future of food and farming: challenges and choices for global sustainability. UK Office for Science, Future Foresight Project. 2011.

Adapting to the Impacts of Climate Change: America's Climate Choices. National Academy of Sciences. 2010.

Establishing Annual Catch Limits for US Fisheries. Report for the Lenfest Ocean Program. 2007.

Regional Fisheries Management Organizations (RFMOs): Progress in Adopting Precautionary Approach and Ecosystem-Based Management. Mooney-Seus, M.L. and A. Rosenberg. 2007. Chatham House, UK.

Dynamic Changes in Marine Ecosystems: Fishing, Food Webs, and Future Options. National Academy of Sciences, Ocean Studies Board Report 2006.

Progress on Rebuild US Fisheries. Report for the Lenfest Ocean Program. 2006.

The Impacts of Fishing on Vulnerable Marine Ecosystems: Actions taken by States and regional fisheries management organizations and arrangements to give effect to paragraphs 66 to 69 of General Assembly resolution 59/25 on sustainable fisheries, regarding the impacts of fishing on vulnerable marine ecosystems. Report of the Secretary General of the U.N. July 2006.

Scientific Consensus Statement on Ecosystem-based Management of the Marine Environment, 2005

Bycatch in U.S. Fisheries: a national analysis. Report for Oceana 2005.

An Ocean Blueprint for the 21st Century. U.S. Commission on Ocean Policy. 2004

A Review of NOAA's Research Program. 2004

U.N. Expert Consultation on the Development of a Global Marine Assessment, 2004

A Review of the University of Maryland College of Environmental Sciences, 2004.

A Template for Rebuilding Plans for North Sea Fish Stocks, World Wildlife Fund Report. 2004.