

RUDOLPH ROSEN, Ph.D.
Curriculum Vitae

Contact:

Director, Institute for Water Resources Science and Technology
Visiting Professor
Texas A&M University San Antonio
rudolph.rosen@tamu.edu

PROFESSIONAL EXPERIENCE

Texas A&M University, San Antonio, TX

Director, Institute for Water Resources Science and Technology (Nov 2015 – present)
Visiting/Instructional Professor (Oct 2015 – present)
Advisor on Water Resources Science (Jul 2015 – Oct 2015)

Texas State University, San Marcos, TX

Meadows Center for Water and the Environment
Fellow of the Meadows Center for Water and the Environment (Oct 2015 – present)
Director, Conservation Leadership Initiative (Jul 2010 – Oct 2015)
Research Professor (Jul 2010 – Oct 2015)
Harte Research Institute for Gulf of Mexico Studies, Texas A&M University, Corpus Christi
Harte Research Associate (Apr 2011 – Sep 2014)

Ducks Unlimited, Inc., Sacramento, CA

Director , Western Regional Office (Nov 2003 – July 2010) Top executive management of an 120+-person, \$40+-million regional office of a national science-based conservation organization. Responsible for all operations in western states, including research, natural resources policy, conservation projects and advocacy, leadership, fundraising, financial and business management, marketing, partnerships, personnel, and planning. Ducks Unlimited was then the 112th largest non-profit association in the U.S., with revenue over \$200 million, 700,000 members and 70,000 volunteers. If the western office had been a stand-alone organization, it would have been the fourth largest wildlife conservation organization in the US.

Professional Nonprofit Management Group LLC/Professional Management Group, Inc.

President (July 2001 – present) Leadership services, especially **start-up and turn-around** of university research consortia and alumni associations, and science-based nonprofit organizations.

Safari Club International Foundation, Tucson, AZ

Executive Director (Jan 2000 – July 2001)

Top executive leadership of an \$18.4-million (combined organizations) international natural resources conservation association and its Foundation, focused on wildlife research, conservation, policy, education, and social welfare. Leadership to 40,000 individual members and 1,250 corporate members located in 85 countries, 210 chapters in 37 countries, over 25 volunteer committees, and 100+ staff in offices in Tucson, Africa, and other field locations in the U.S., Canada and Europe, a Washington government affairs office; 50,000 sq. ft. natural history museum and outdoor leadership school.

Safari Club International, Tucson, AZ

Executive Director (Feb 1997 – July 2001)

Oregon Department of Fish and Wildlife, Portland, OR

Executive Director (July 1994 – Feb 1997) Top executive leadership of a 1,400-person, \$85-million self-funded research, conservation, and regulatory state agency responsible for wildlife, fish, and marine research, policy, conservation, regulations, education, and law enforcement; 22 refuges and research

areas of over 300,000 acres; 100+ laboratory, hatchery, public education, and office locations. Fifth largest state agency of its kind in the US. Environment Cabinet member for two Governors.

Texas Parks and Wildlife Department, Austin, TX

Director, Fisheries and Wildlife Division, (January 1991 - July 1994) Top executive leadership of the Texas State government agency division responsible for wildlife, fish, and marine research, conservation, regulations, and law enforcement, including 45 laboratories, 500,000 acres refuges and research lands, 1,700,000 acres of lakes, and 80,000 miles of stream -- a 525-person, \$25-million program.

National Wildlife Federation, Washington, DC

Director, Southeastern Regional Office, Atlanta, GA (Oct. 1986 - Jan. 1991)

Lobbyist and Aquatic Science-Policy Specialist, Washington, DC (Feb. 1982 - Oct. 1986)

University of Massachusetts, Amherst, MA

Research Assistant, (Apr, 1977 – Jun, 1981)

U.S. Fish and Wildlife Service, North Central Reservoir Investigations, Yankton, SD

Research Biologist, (Sep, 1976 – Jan, 1977)

South Dakota State University, Brookings, SD

Research Assistant, (Jun, 1974 - Aug, 1976)

EDUCATION

Ph.D., Fishery Biology, University of Massachusetts

M.S., Fisheries and Wildlife Science, South Dakota State University

B.S., Zoology, Pennsylvania State University

HONOR SOCIETIES AND CERTIFICATIONS

Phi Sigma

Phi Kappa Phi

Gamma Sigma Delta

Sigma Xi (Full membership)

Certified Fisheries Scientist (Certified 1983-present)

American Institute of Fishery Research Biologists (elected Fellow, 1993)

PROFESSIONAL APPOINTMENTS TO POLICY BOARDS, COMMISSIONS, ASSOCIATIONS, AND OFFICES

Texas Water Journal (<https://twj.media/>)

Member of the Board (2018-20)

National Science Foundation, Research Coordination Network for Climate, Energy, Environment and Engagement in Semiarid Regions (<http://rcnce3sar.tamucc.edu/>)

Member, Steering Committee (2012-19)

Co-Principal Investigator (2012-19)

Member, Resource Allocation Committee (2013-18)

Texas Center for Climate Studies, Texas A&M University
Faculty Affiliate (2012-16)

Central Valley Regional Water Quality Control Board, California State Water Resources Control Board
Member, San Francisco Bay Delta Methylmercury Total Maximum Daily Load Advisory Group (2008-2010)

Central Valley Project Improvement Act Independent Review Panel, Refuge Water Supply (2008-2009)

Delta Vision Stakeholders Advisory Group, Appointed by Gov. Schwarzenegger (2007-2008)

San Francisco Bay Regional Water Quality Control Board, California State Water Resources Control Board
Member, North Bay Selenium Total Maximum Daily Load Advisory Committee (2007-2010)

San Francisco Bay-Delta Authority, Public Advisory Committee
Federal Advisory Committee Member, Appointed by Secretary of the Interior (2005-2009)
Co-Chair, Ecosystem Restoration Subcommittee (2006-2009)
Member, Steering Committee (2006-2009)
Member, Program Performance and Finance Subcommittee (2006-2008)

Ballot Initiatives Coalition
Founding Member
Member of the Board (1997-2001)

International Association of Fish and Wildlife Agencies
Chairman, Executive Committee (1996-1997)
Vice-Chairman, Executive Committee (1995-1996)

Southeastern Association of Fish and Wildlife Agencies
President (1993-1994; resigned midway through term due to appointment as Director of Oregon Department of Fish and Wildlife)
Vice President (1993)

Pacific States Marine Fisheries Commission
Chairman (1996)
Commissioner (1994-1997)

Gulf States Marine Fisheries Commission (1991-1994)
Chairman (1993)
First Vice Chairman (1992)
Second Vice Chairman (1991)

Pacific Fishery Management Council (1994-1997)
State Representative

North Pacific Fishery Management Council (1994-1997)
State Representative

Columbia River Compact
Chairman, Policy Committee (1994-96)

Project WILD
Member of the Program Board (1995-1997)

Oregon Wildlife Heritage Foundation
Member of the Board (1994-1997)

Keep Oregon Green
Member of the Board (1994-1997)

Oregon Biodiversity Project
Member, Implementation Committee (1994-1997)

Governor's Task Force on Texas Nature Tourism (1993-1994)
Executive Staff

Gulf of Mexico Fishery Management Council (1991-1992)
State Representative

Committee on Introduction of Nonindigenous Species, U.S. Office of Technology Assessment
Member (1991-1992)
Blue Mountains Natural Resources Institute
Member Board of Directors (1994-1995)
Professional Board of Certification for Fishery Scientists (1990-1993 term)
Board of Professional Appeals for Fishery Scientists (1992-1993)
Fellow, American Institute of Fishery Research Biologists (elected 1993)
Water Quality 2000
Steering Committee (1990)
Consortium for Research on Southern Forest Wetlands, Steering Committee (1990)
Lower Mississippi Valley Joint Venture, North American Waterfowl Management Plan
Management Board Member (1991-1993)
Gulf Coast Joint Venture, North American Waterfowl Management Plan
Management Board Member (1991-1993)
Southeastern Forest Experiment Station
Wildlife Research Review Committee (1989)
Southeastern & Southern Forest Experiment Stations
Research Review Committee (1988)
Southern Forest Productivity Study
Research Steering Committee (1987-1988)
American League of Anglers and Boaters (1985-1986)
Second Vice Chair (1985-1986)
Aquatic Resource Education Council (1985-1986)
National Fishing Week, Steering Committee (1984)
Sport Fishing and Boating Enhancement Steering Committee (1984-1985)
Committee on Reservoir Research Priorities (1983-1985)

PROFESSIONAL ASSOCIATION MEMBERSHIPS

American Fisheries Society (Life Member)
American Institute of Fishery Research Biologists (Elected Fellow)
The Wildlife Society

PROFESSIONAL ASSOCIATION COMMITTEE APPOINTMENTS AND OFFICES HELD

International Association of Fish and Wildlife Agencies

Member, Fisheries and Water Resources Policy Committee (1999-2001; 2004 - 2010)
Chairman, Executive Committee (1996-1997)
Vice-Chairman, Executive Committee (1995-1996)
Member (ex officio), Executive Committee (1993-1994)
Chairman, Marine and Estuarine Committee (1992-1996)
Chairman, Staff Compensation Committee (1996)
Member, Fish and Wildlife Trust Funds Committee (1998-2001)
Member, Awards Committee (1993-1995)
Member, Nominating Committee (1993-1994)
Member, Legislative Committee (1991-1995; 1997-1998)
Member, Legislative and Federal Budget Committee (1998-2001)
Member, Federal Budget Committee (1991-1994)

Member, Committee on Wallop-Breaux Reauthorization (1991-1994)
Member, Fish and Wildlife Diversity Committee (1991-1996)
Member, Grants in Aid Committee (1984-85; 1997-1998)
Member, Marine and Estuarine Committee (1981-1986)
Member, Dingell-Johnson Funding Committee (1981-1984)
Member, Freshwater Fisheries Committee (1982-1986)

Southeastern Association of Fish and Wildlife Agencies

President (1993-1994; resigned midway through term due to appointment as Director of Oregon Department of Fish and Wildlife)
Vice President (1993)
Member, Executive Committee (1993-1994)
Chief Advisor, Minorities in Natural Resources Committee (1993-1994)
Chairman, Auditing Committee (1993)
Chairman, Time and Place Committee (1992-1993)
Member, Time and Place Committee (1993-1994)

Western Association of Fish and Wildlife Agencies

Chairman, Nominating, Time and Place Committee (1994-1995)
Chairman, Resolutions Committee (1995-1996)
Chairman, Education Committee (1995-1996)

The Wildlife Society, National Capitol Chapter

Member, Resolutions Committee (1986-1987)

American Fisheries Society

Member, Task Force on Certification Revision (1994-1995)
Chairman, Board of Professional Certification (1992-1993)
Chairman, Board of Professional Appeals (1992-1993)
Member, Board of Professional Certification (1990-1992)
Chairman, Program Committee 1988 Annual Meeting (1985-1988)
Member (ex officio), Time and Place Committee (1985-1986, 1988-1989)
Member, Program Committee 1987 Annual Meeting (1986-1987)
Member, Program Committee 1986 Annual Meeting (1985-1986)
Chairman, Publication Awards Committee (1984-1985)
Co-chairman, Environmental Concerns Committee (1983-1984)
Member, National Fishing Week Committee (1983-1985)
Chairman, Environmental Concerns Committee (1982-1983)
Member, Resolutions Committee (1982-1986)

Potomac Chapter, American Fisheries Society

Chairman, Awards Committee (1986-1987)
Immediate Past President (1986-1987)
President (1985-1986)
President-Elect (1984-1985)
Member, Executive Committee (1984-1987)
Chairman, Program Committee (1984-1985)
Chairman, Membership Committee (1983-1984)
Member, Awards Committee (1983-1984)
Member, Membership Brochure Committee (1982-1983)

Northeastern Division, American Fisheries Society

Chairman, Resolutions Committee (1982-1986)

Southern Division, American Fisheries Society

Member, Resolutions Committee (1988-1991)

Fisheries Administrators Section, American Fisheries Society

Member, Nominating Committee (1983-1984)

Fish Culture Section, American Fisheries Society

Chairman, Resolutions Committee (1984-1986)

SERVICE HONORS AND AWARDS

Certificate of Appreciation for "Dedication to the Wetlands and Waterfowl Resources of the Central Valley of California." Central Valley Joint Venture of the North American Waterfowl Management Plan, 24 June 2010.

Honorary Member. Western Association of Fish and Wildlife Agencies, July 1997.

Award for "Outstanding Contribution to Professionalism in Fisheries." Presented by the Oregon Department of Fish and Wildlife, 22 February 1996.

Award for "Appreciation and Recognition of Dedicated Service." Presented by the Police Activities League of Oregon. 1996.

Award for "Promoting Wise Use of the Wildlife Resources of Texas and Improving Professional Advancement Opportunities." Presented by the Texas Wildlife Management Council, 23 June 1994.

Award for "Dedication to the Preservation of Fish and Wildlife in the State of Texas." Presented by the Texas Association of Bass Clubs, 1993.

Award of Appreciation for "Endeavors and Hard Work to Enhance the Fisheries of Texas." Presented by Texas Black Bass Unlimited, 15 October 1993.

Award of Excellence for Administration. Presented by the Texas Chapter of the American Fisheries Society, 23 October 1992.

Proclamation in Recognition of Service and Commendable Performance. Presented by the American Fisheries Society, 14 September 1988.

Past President's Award. Presented by the American Fisheries Society, Potomac Chapter, 9 May 1986.

Award of Appreciation for "Networking in Promoting Fisheries Conservation in California." Presented by the California Natural Resources Federation, 25 January 1986.

TECHNICAL PUBLICATION REFEREE

Climatic Change

Fisheries

Journal of Freshwater Ecology

Science of the Total Environment

Texas A&M University Press

Texas Water Journal

The Progressive Fish-Culturist

Transactions of the Tennessee Academy of Science

COURSES TAUGHT

Water Laws, Rules and Policies (WATR 5312 and POLS 3315) . Texas A&M University – San Antonio. (Spr 2020)

Aquatic Systems Science (WATR 3325). Texas A&M University – San Antonio. (Fall 2020; Fall 2019)

Land Conservation Education: Theory and Practice of Land Conservation and Protected Areas. Texas State University. (co-instructor; Spring 2011) (Currently Geo 4326/5326)

Fisheries Management Techniques (FISH 473). University of Massachusetts. (Fall 1978; Fall 1979)

Leadership and Communications Short Course for Forest Service Managers. Virginia Polytechnic Institute and State University. (1989, 1990)

Conservation policy short course for Forest Service land management planners. University of Georgia. (1990)

Conservation Leaders for Tomorrow (Instructor Student Course Texas, 2012-2018; Instructor Professional Course: Colorado 2017; Idaho 2015; Georgia, 2013)

PUBLICATIONS, PRESENTATIONS, EXPERT TESTIMONY TO PUBLIC BODIES

DIRECTORY

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PEER-REVIEWED TEXTBOOKS IN PRINT AND E-BOOKS

Rosen, R.A. 2014. Texas Aquatic Science. Texas A&M University Press, College Station, TX. [ISBN: 978-1-62349-193-2] <https://www.tamupress.com/book/9781623491932/texas-aquatic-science/>

Rosen, R.A. 2012. Money for the Cause. Texas A&M University Press, College Station, TX. [ISBN: 978-1-60344-693-8] <https://www.tamupress.com/book/9781603446938/money-for-the-cause/>

WATER E-BOOKS/ONLINE PUBLICATIONS

Rosen, Rudolph A. and Robert E. Mace. 2019. Internet of Texas Water Data: Use Cases for Flood, Drought, and Surface Water – Groundwater Interactions. Report No. 2019-11, The Meadows Center for the Environment, Texas State University, San Marcos, TX, 51pp. https://digitalcommons.tamusa.edu/water_books/1/

Rosen, Rudolph A. and Susan V. Roberts. 2018. Connecting Texas Water Data Workshop: Building an Internet for Water. Institute for Water Resources Science and Technology, Texas A&M University-San Antonio, San Antonio, TX 78224. (ISBN-13: 978-0-9986645-4-5) https://digitalcommons.tamusa.edu/water_books/2

Rosen, Rudolph A., Bassel Daher, and Rabi H. Mohtar. 2018. Water-Energy-Food Nexus Stakeholder Information Sharing and Engagement Workshop. The Texas A&M University System, College Station, TX. [ISBN-13: 978-0-9986645-3-8] https://digitalcommons.tamusa.edu/water_books/3

The Texas Water Roadmap Series

Rosen, Rudolph A. 2017. 2016 Texas Water Roadmap Forum: Workforce Education, Data, and Research. Institute for Water Resources Science and Technology, Texas A&M University–San Antonio, San Antonio, TX. [ISBN: 978-0-9986645-0-7] https://digitalcommons.tamusa.edu/water_books/5

Mohtar, Rabi and Rudolph Rosen. 2015. Resource Nexus: Water, Energy, Food: Water Forum and Technology Roadmap. The Texas A&M University System, College Station, TX. [ISBN: 978-0-9986645-1-4] https://digitalcommons.tamusa.edu/water_books/6

Rosen, Rudolph A. 2015. Texas Water Technology Roadmap Forum. Meadows Center for Water and the Environment, Texas State University, TX. [ISBN: 978-0-9986645-2-1] https://digitalcommons.tamusa.edu/water_books/7

ABSTRACTS IN BOOKS

Rosen, R.A., K.L. Petrik, X Wei, and M.J. Petrie. 2009. Building practical on-the-ground response to climate change: West Coast wetlands restoration and protection. Page 318 *in* Third National Conference on Ecosystem Restoration, Los Angeles, CA. http://www.conference.ifas.ufl.edu/NCER2009/pdfs/Abstract_BOOK.pdf

CHAPTERS IN BOOKS

Rosen, R.A. 2007. Case Study - The Sacramento–San Joaquin Delta and Suisun Marsh. Pages 20-24 *in* Browne, D.M. and Dell, R., editors. Conserving Waterfowl and Wetlands Amid Climate Change. Ducks Unlimited, Inc.. Memphis, Tennessee, USA. 50 pp. Available at http://www.ducks.org/media/Conservation/Climate%20Change/documents/White%20Paper_Final%20Graphics.pdf

Rosen, R.A. and M. Hogan. 1998. Hunters can preserve and enhance the hunting tradition: Organizing for success. Pages 151-160 *in* the 1998 Governors Symposium on North America’s Hunting Heritage. Wildlife Forever, Eden Prairie, MN.

Rosen, R.A. 1992. Status of federal fisheries stewardship programs. Pages 155-159 *in* R. H. Stroud, ed. Stemming the Tide of Coastal Fish Habitat Loss. National Coalition for Marine Conservation, Savannah, Georgia.

Rosen, R.A. 1986. The role of fish culture in fishery management: a review and conclusions. Pages 477-479 *in* R. H. Stroud, ed. Fish Culture in Fishery Management. Fish Culture Section and Fisheries Management Section, American Fisheries Society, Bethesda, Maryland.

Rosen, R.A. 1985. Information transfer and extension. Pages 2-11 *in* R. L. Kendall, ed. Role of the U.S. Government in Aquaculture: Non Federal Perspective. American Fisheries Society, Bethesda, Maryland.

Rosen, R.A. 1984. Promoting urban fishing: the role of conservation organizations. Pages 185-193 in L. J. Allen, ed. Proceedings of the Urban Fishing Symposium. American Fisheries Society, Bethesda, Maryland.

BOOK REVIEWS IN SCIENCE JOURNALS

Rosen, R.A. 1984. The aquaculture of striped bass: a proceedings. Book Review. The Progressive Fish-Culturist 46:293-295.

PAPERS IN SCIENCE JOURNALS AND PROCEEDINGS

Rosen, R.A., R.E. Mace, S.M. Hermitte, and R. Wade. 2020. Internet of Texas Water Data: Use Cases for Flood, Drought, and Surface Water – Groundwater Interactions. Texas Water Journal 11(1):133-151.

https://digitalcommons.tamusa.edu/water_faculty/8/

Schindel, G.M. and R.A. Rosen. In Press. Best Management Practices for Fire Fighting in the Karstic Edwards (Balcones Fault Zone) Aquifer of South-Central Texas. Texas Water Journal.

https://digitalcommons.tamusa.edu/water_faculty/9/

Rosen, R.A. 2019. Water Education Leadership in Texas: Pathway for Students from Middle School to University Degree. Water Resources IMPACT 21(4):30-31.

https://digitalcommons.tamusa.edu/water_faculty/10

Rosen, R.A., S.M. Hermitte, S. Pierce, S. Richards, S.V. Roberts. 2019. An Internet for Water: Connecting Texas Water Data. Texas Water Journal 10(1):22-29. https://digitalcommons.tamusa.edu/water_faculty/7

Rosen, R.A., L.A. Cifuentes, J. Fischer, H. Marquise, J. C. Tracy. 2018. Water Security for Texas: A Post-Secondary Education Pathway for the Water Workforce. Texas Water Journal 9(1):120-128.

https://digitalcommons.tamusa.edu/water_faculty/6

Rosen, R.A., R Mohtar, L.A. Cifuentes, S. Frayser, G. Hustvedt, W. Patrick, C. Ragland, S.V. Roberts, J. Vanegas, C. Wall, and J. Wall. 2017. The route to water security for Texas: The 2015–2016 Texas water roadmap forums. Texas Water Journal 8(1):116-123. https://digitalcommons.tamusa.edu/water_faculty/5

Rosen, R.A., E. Scanlon, and J. Smith. 2017. Future water stewardship and fact-based water policy: an aquatic science education pathway model. XVIth International Water Resources Association World Water Congress. May 30, Cancun, Quintana Roo, Mexico. https://digitalcommons.tamusa.edu/water_faculty/4/

Rosen, R. A., E. Scanlon, and J. Smith. 2016. Aquatic science education pathway from headwaters to ocean is a model for place-based experiential learning for protecting and stewarding Gulf states' freshwater and marine resources: Gulf Coast Association of Geological Societies Transactions, v. 66, p. 475–485.

https://digitalcommons.tamusa.edu/water_faculty/11/

Rosen, R. A. 1996. Going WILD for Aquatic Science. Fisheries 21(9):38. <https://doi.org/10.1577/1548-8446-21-9>

Rosen, R. A. 1995. Advocacy for fishery professionals. Fisheries 20(7):4. <https://doi.org/10.1577/1548-8446-20-4>

Rosen, R. A. 1985. Leaving your mark on the future: how to influence your elected representatives as a fisheries professional. Fisheries 10(5):2-4. <https://doi.org/10.1577/1548-8446-10-5>

Rosen, R. A., and L. B. Starnes. 1985. Environmental policy: the AFS and you. Fisheries 10(2):6-9. <https://doi.org/10.1577/1548-8446-10-4>

- Rosen, R. A. 1985. The role of fish culture in fishery management: politics, policies, and future directions — a summary of the plenary session. *Fisheries* 10(1):2-4. <https://doi.org/10.1577/1548-8446-10-1>
- Rosen, R. A. 1983. Current issues in wetlands conservation. *Transactions of the Potomac Chapter, American Fisheries Society* 7:1-22.
- Rosen, R. A., D. C. Hales, and D. G. Unkenholz. 1982. Biology and exploitation of paddlefish in the Missouri River below Gavins Point Dam. *Transactions of the American Fisheries Society* 111:216-222. [http://dx.doi.org/10.1577/1548-8659\(1982\)111<216:BAEOP>2.0.CO;2](http://dx.doi.org/10.1577/1548-8659(1982)111<216:BAEOP>2.0.CO;2)
- Rosen, R. A. and D. C. Hales. 1982. Occurrence of a blind paddlefish, *Polyodon spathula*. *Copeia* 1982:212-214. <https://www.jstor.org/stable/1444300>
- Rosen, R. A. 1982. An evaluation of a system to automatically sample zooplankton from the discharge of dams. *Journal of the American Water Resources Association (Water Resources Bulletin)* 18(1):147-156. DOI: 10.1111/j.1752-1688.1982.tb04544.x <https://onlinelibrary.wiley.com/doi/epdf/10.1111/j.1752-1688.1982.tb04544.x>
- Rosen, R. A. 1981. Length-dry weight relationships of some freshwater zooplankton. *Journal of Freshwater Ecology* 1(2):225-229. <http://dx.doi.org/10.1080/02705060.1981.9664034>
- Rosen, R. A. 1981. Coupler for towed samplers. *The Progressive Fish-Culturist* 43(2):129-130. [http://dx.doi.org/10.1577/1548-8659\(1981\)43\[129:CFTS\]2.0.CO;2](http://dx.doi.org/10.1577/1548-8659(1981)43[129:CFTS]2.0.CO;2)
- Rosen, R. A. and D. C. Hales. 1981. Feeding of paddlefish, *Polyodon spathula*. *Copeia* 1981:441-455. <https://www.jstor.org/stable/1444235>
- Rosen, R. A. and D. C. Hales. 1980. Occurrence of scarred paddlefish in the Missouri River, South Dakota-Nebraska. *The Progressive Fish-Culturist* 42:82-85. [http://dx.doi.org/10.1577/1548-8659\(1980\)42\[82:OOSPIT\]2.0.CO;2](http://dx.doi.org/10.1577/1548-8659(1980)42[82:OOSPIT]2.0.CO;2)

PUBLICATIONS AS CEO/PUBLISHER

SCI Publications. 1997-2001. I was CEO responsible for publishing a bi-monthly high-quality magazine containing articles about international wildlife conservation; monthly newspapers printed in the U.S., Africa, Canada, and Europe/South America (published in German, French, Spanish and English) about international wildlife policy and conservation; books about wildlife life history and harvest statistics. The following publications were included:

- ***Safari: The Journal of Big Game Hunting.***
- ***Safari Times***, including separate editions for the U.S., Africa, Canada, and Europe/South America.
- **Safari Club Press** (book publishing).

Safari Times: CITES Special Edition. 2000. A special publication for the Convention on International Trade in Endangered Species of Wild Flora and Fauna, Nairobi, Kenya. Safari Club International, Tucson, AZ, 12 pp.

Oregon Wildlife Magazine 1994-1997. I was executive director principally responsible for publication of *Oregon Wildlife Magazine*, covering fish and wildlife conservation science and policy in the State of Oregon, and the conservation work of the Oregon Department of Fish and Wildlife. I wrote an editorial on wildlife and fish science, conservation, or policy in each issue of this publication.

DISSERTATION, THESIS AND MISCELLANEOUS PUBLICATIONS

Yolles, P., L. Fredrickson, J. Keller, M. Powelson and R. Rosen. 2009. Undelivered water: Fulfilling the CVPIA promise to Central Valley refuges, Central Valley Project Improvement Act, Refuge Water Supply Program. Report of the Independent Review Panel, November 3, U.S. Bureau of Reclamation, 71 pp.

https://www.usbr.gov/mp/cvpia/docs_reports/indep_review/CVPIA_Final_Refuge_Report_2009-11-03.pdf

Rosen, R.A. 1981. Seasonal cycles, distribution, and biomass of crustacean zooplankton, and feeding and growth of young American shad (*Alosa sapidissima*) in the Holyoke Pool, Connecticut River, Ph.D. Dissertation. University of Massachusetts, Amherst, 301 pp. <http://scholarworks.umass.edu/dissertations/AAI8118040/>

Rosen, R.A. 1976. Distribution, age and growth, and feeding ecology of paddlefish (*Polyodon spathula*) in unaltered Missouri River, South Dakota. M.S. Thesis, South Dakota State University, Brookings, 95 pp.

<http://openprairie.sdstate.edu/etd/208/>

PAPERS PRESENTED AT TECHNICAL CONFERENCES

Rosen, R.A. 2020. Water Education STEM Pathway from Middle School to University to Water Career: Education for the Next Generation Water Workforce. 2020 Texas STEM Conference, Texas STEM Coalition. January 22-24, Austin, TX.

https://digitalcommons.tamusa.edu/water_conferences/1

Cifuentes, L. and R.A. Rosen. 2019. Conducting Educational Design Research during Development of a Binational Curriculum: Water for Healthy Borders. Presented at the session: Designing Innovative Pathways to Support Workforce Development, 42nd Annual Convention Proceedings of the Association for Educational Communications and Technology, October 23, Las Vegas, NV.

Rosen, R.A. 2019. Foundation of the Texas Aquatic Science curriculum. Presented at the Conference on Healthy Borders, Healthy Waters and Educational Curriculum Workshop, National Science Foundation Research Coordination Network on Climate, Energy, Environment, Engagement in Semiarid Regions. August 8-9, Juriquilla, Mexico. (Conference presenter and workshop facilitator)

https://digitalcommons.tamusa.edu/water_conferences/2

Rosen, R.A. 2019. Water Security for Texas: A Post-Secondary Education Pathway for Water Workforce Readiness. Presented at the 2019 Texas Aquifer Conference. June 12, Austin, TX.

https://digitalcommons.tamusa.edu/water_conferences/8

Rosen, R.A. 2019. Border Areas Water Security: An Education Pathway for the Next Generation Water Workforce. Conference on innovative, multidisciplinary water research to address the needs of the US-Mexico border corridor. Presented at the meeting of the National Science Foundation Border Solutions Alliance. June 11, Las Cruces, NM.

https://digitalcommons.tamusa.edu/water_conferences/7

Rosen, R.A. 2018. Opportunities for Integrative Planning across Water, Energy, and Food Sectors in the San Antonio Region. Panel Session Organizer and Moderator: Texas A&M Conference on Energy. September 24-26, College Station, TX.

Rosen, R.A., L.A. Cifuentes, J. Fischer, H. Marquise, J. C. Tracy. 2018. A Post-Secondary Education Pathway for the Water Workforce. Presented at the Biannual meeting of the South Central Texas Water Research Interest Group. June 5, Canyon Lake, TX.

https://digitalcommons.tamusa.edu/water_conferences/6

Rosen, R.A., E. Scanlon, and J. Smith. 2017. Future water stewardship and fact-based water policy: an aquatic science education pathway model. Presented at the XVIth International Water Resources Association World Water Congress. May 30, Cancun, Quintana Roo, Mexico.

http://iwra.org/member/congress/resource/ABSID179_Rudolph_Rosen_Future_WaterStewardship_and_factbased_WaterPolicy_an_AquaticScience_Education_pathway_model_oral.pdf

Rosen, R.A. 2017. The Route to Water Security For Texas: The 2015-2016 Texas Water Roadmap Forums. Natural Resources and Utilities. 9th Annual Institute for Leadership in Capital Projects Forum. May 7, Austin, TX. https://digitalcommons.tamusa.edu/water_conferences/4

Rosen, R.A. 2017. Report on the 2016 Texas Water Roadmap Forum. Presented at the 2017 Texas Aquifer Conference. May 3, Austin, TX. https://digitalcommons.tamusa.edu/water_conferences/3

Rosen, R. A. 2017. Building a Roadmap for Texas Water Security, Research, Outreach, and Education: The Texas Water Roadmap Forums. Presented at the South Central Section Geological Society of America 51st Annual Meeting. Geological Society of America Abstracts with Programs, Vol. 49, No. 1, doi: 10.1130/abs/2017SC-289545, March 13, San Antonio, TX. <https://gsa.confex.com/gsa/2017SC/webprogram/Paper289545.html>

Rosen, R. A. and J. Smith. 2017. STEM Pathway for Aquatic Science: Experiential Learning In and Out of Classrooms. Presented at the 10th Annual Texas STEM Conference, DOI: 10.13140/RG.2.2.12252.18564, January 19-20, Dallas, TX. <https://drive.google.com/drive/folders/0BzsnCEIDPF-yTG1xY1ozNHFiZkE>

Rosen, R.A. 2016. A Water Education Pathway: Texas Aquatic Science. Presented at the Biannual meeting of the South Central Texas Water Research Interest Group. December 1, San Antonio, TX. https://digitalcommons.tamusa.edu/water_conferences/10

Rosen, R.A. 2016. Marine/Aquatic Science Education and Integrating Formal and Informal Education and Outreach Opportunities: Presented at the Global Marine Sustainability Symposium and Workshop, Marine Education Opportunities - Achieving the right mix: overseas students, in-country needs, and informal education and outreach. September 20, Oban, Scotland. <https://drive.google.com/drive/folders/0B4yltJzK0okMelh3Njgtb3FGZG8>

Rosen, R. A., E. Scanlon, and J. Smith. 2016. Aquatic science education pathway from headwaters to ocean is a model for place-based experiential learning for protecting and stewarding Gulf states' freshwater and marine resources. Presented at the 66th Annual Gulf Coast Association of Geological Societies Convention and 63rd Annual Gulf Coast Section of the Society for Sedimentary Geology Meeting. September 20, Corpus Christi, TX. http://www.gcags.org/exploreanddiscover/2016/00034_rosen_et_al.pdf

Rosen, R.A. 2016. The Making of the Texas Aquatic Science Curriculum. Presented at the Texas Aquatic Science Research Review Conference. August 4, San Marcos, TX.

Rosen, R.A. 2015. Tech In (and Outside) the Classroom: An Aquatic Science Pathway. Presented at the Technology and Nature Summit: 2015 Conference of the Children and Nature Network. April 7, Austin, TX. (Summit steering committee and technical session moderator) <https://youtu.be/609CVUXiq3M>

Rosen, R.A. 2014. Water education in Texas: STEM for water. Presented at Water, Wildlife and Wide Open Spaces: A Texas Summit on Climate and the Environment, November 20, San Marcos, TX. <https://youtu.be/hXog3GHW03Q>

Rosen, R.A. 2014. A Research Coordination Network on Climate, Energy, Environment and Engagement in Semiarid Regions. Presented at Management of Water Resources, Air Resources and Oilfield Waste; Eagle Ford Center for Research, Education and Outreach, Shale Oil and Gas Development Conference, November 18, San Antonio, TX. <https://youtu.be/mOx0ZNL3xQo>

Rosen, R.A. 2014. Practical Application of New Mobile and Interactive Technology in Outdoor Experiential STEM Water Education. Presented at the SXSW Interactive Sixth Street Showcase, University of Texas System Office of Technology Commercialization, March 8, Austin, TX.

- Rosen, R.A. 2013. Experiential mobile-technology enhanced STEM water education can connect students to water and the environment for life. Presented at the Regional Livability Symposium - Water: Key to our Future, University of Texas, February 15, Austin, TX.
- Rosen, R.A. 2010. The North American Model of Wildlife Conservation: A century of species and habitat management in America. Presented at the Environmental Studies Colloquium, Whittier College, March 17, Whittier, CA.
- Rosen, R.A., K.L. Petrik, X Wei, and M.J. Petrie. 2009. Building practical on-the-ground response to climate change: West Coast wetlands restoration and protection. Presented at the Third National Conference on Ecosystem Restoration, 23 July, Los Angeles, CA.
- Rosen, R.A. 2008. Bringing the environmental community to the table: Partnership and collaboration. Presented at the Pacific Northwest Clean Water Association's Conference on Practical Sustainability for Water and Wastewater Treatment Facilities, May 8, Coeur d'Alene, ID.
- Rosen, R.A. 1999. Wildlife ranching and profit from hunting: Hunting ethics and public support must be present for long term industry viability. Presented at the Fourth International Wildlife Ranching Symposium, November 10, Toronto, Ontario Canada.
- Rosen, R.A. and M. Hogan. 1998. Organized sportsmen can preserve and enhance traditions: Organizing for success. Presented at the Fifth Governors Symposium on North America's Hunting Heritage, August 14, Hershey, PA.
- Rosen, R.A. 1996. Restoring habitat capacity: cooperative approaches to maintaining and enhancing a place for salmon to spawn and rear. Presented at the conference on Towards Sustainable Fisheries: Balancing Conservation and Use of Salmon and Steelhead in the Pacific Northwest, 29 April, Victoria, British Columbia.
- Rosen, R.A. 1996. Entering the vortex of change: where is natural resource management heading in the 104th Congress. Keynote speaker of the 1996 Annual Ohio Fish and Wildlife Conference, 16 February, Columbus, Ohio.
- Rosen, R.A. 1995. Oregon Fish and Wildlife. Luncheon speaker at the first annual conference of the Portland Chapter of the American Fisheries Society, 1 June, Troutdale, Oregon.
- Rosen, R.A. 1994. Managing for biodiversity in a "special interest" world. Presented at the 59th Annual Meeting of the North American Natural Resources Conference, 22 March, Anchorage, Alaska.
- Darden, T.L. and R.A. Rosen. 1994. Biological Diversity and Sustainable Ecological Systems. Special session, Co-chair, 59th Annual Meeting of the North American Natural Resources Conference, 22 March, Anchorage, Alaska.
- Rosen, R.A., P.P. Durocher, and G. McCarty. 1994. The Texas fish hatchery experience: an evolutionary process. Presented at the 59th Annual Meeting of the North American Natural Resources Conference, 22 March, Anchorage, Alaska.
- Rosen, R.A. 1992. The future of consumptive use of fish and wildlife resources. Keynote session moderator and speaker, opening session of the 46th Annual Meeting of the Southeastern Association of Fish and Wildlife Agencies, 26 October, Corpus Christi, Texas.
- Rosen, R.A. and H. Osburn. 1992. The marine fishery management system: the Gulf states view. Presented at the 46th Annual Meeting of the Southeastern Association of Fish and Wildlife Agencies, 25 October, Corpus Christi, Texas.
- Quinn, S, and R.A. Rosen. 1992. Angler attitudes toward fishing licenses. Presented at the 122th Annual Meeting of the American Fisheries Society, 16 September, Rapid City, South Dakota.

- Rosen, R.A. 1992. Fisheries and wildlife blueprint for the future. Presented at the 5th Annual South Texas Wildlife Conference, 24 September, Kingsville, and the Southeast Texas Wildlife Conference, 7 October, Beaumont Texas.
- Rosen, R.A. 1991. Managing public wildlife resources. Presented at the 6th Annual Meeting of the Texas Wildlife Association, 18 May, Kerrville, Texas.
- Rosen, R.A. 1991. Regulations: The framework of wildlife management. Presented at the 4th Annual South Texas Wildlife Conference, 26 September, Kingsville, and the East Texas Wildlife Conference, 20 June, Tyler, Texas.
- Rosen, R.A. 1990. Dispute resolution on public lands and resources management issues: The key is education before application. Presented at the First Annual Southeast Conference on Environmental Policy-Making and Dispute Resolution, held at the 1990 meeting of the American Arbitration Association, 28 November, Atlanta, Georgia.
- Rosen, R.A. 1990. Wetlands are "in" for the 1990's: The President, the public and the future. Presented at the Continuing Legal Education International Symposium on Wetlands: critical land use and real estate development issues, 5 October, Atlanta, Georgia.
- Rosen, R.A. 1990. Dealing with the public: A personal communications agenda that works for you and for the fishery resource. Symposium organizer and moderator, held at the 120th Annual Meeting of the American Fisheries Society, 30 August, Pittsburgh, Pennsylvania.
- Rosen, R.A. 1990. Your personal communications agenda: Creating the future now. Presented at the 120th Annual Meeting of the American Fisheries Society, 30 August, Pittsburgh, Pennsylvania.
- Rosen, R.A. 1990. It's time to implement a national policy of no net loss of wetlands. Presented to the White House Domestic Policy Council's Task Force on Wetlands, 27 August, New Orleans, Louisiana.
- Rosen, R.A. 1990. Public involvement in management of public lands: Managing National Forests in the 1990's. Presented at the 1990 Annual Meeting of the Southern Forest Environment Research Council, 10 July, Knoxville, Tennessee.
- Rosen, R.A. 1990. Forest environment monitoring and evaluation: Vital keys to implementing forest land and resources management plans. Presented at the U.S. Forest Service National Workshop on Monitoring and Evaluation of Wildlife, Fish, and Plants and Forest Management Plan Implementation, 5 June, Park City, Utah.
- Rosen, R.A. 1990. Forest research post Earth Day 1990: Planning for a future that's here today. Presented at the All Scientists Meeting, Southern Forest Experiment Station 21 May, Jackson, Mississippi.
- Rosen, R. A. 1989. U.S. Army Corps of Engineers mitigation program: Comments and recommendations. Presented at the 45th meeting of the Environmental Advisory Board of the U.S. Army Corps of Engineers, 13 April, Dallas, Texas.
- Rosen, R. A. 1988. The 118th Annual Meeting of the American Fisheries Society. Program Chairman. 14 September, Toronto, Ontario.
- Rosen, R. A. 1988. Contributed Papers Session. Session organizer. Presented at the 118th Annual Meeting of the American Fisheries Society, 14 September, Toronto, Ontario.
- Rosen, R. A. 1988. Fishery habitat opportunities on Southern forests. Presented at the 118th Annual Meeting of the American Fisheries Society, 14 September, Toronto, Ontario.
- Rosen, R. A. 1988. Partnerships in fisheries management. Session moderator. Presented at the 118th Annual Meeting of the American Fisheries Society, 14 September, Toronto, Ontario.

- Rosen, R. A. 1987. Habitat concerns in federal fishery management planning. Presented at the 1987 Joint Meeting of the Mid-Atlantic and South Atlantic Fishery Management Councils, 26 March, Fort Pierce, Florida.
- Rosen, R. A. 1987. U.S. Forest Service planning—where is it taking us? Presented at the annual meeting of the Appalachian Society of American Foresters, 14 May, Litchfield, South Carolina.
- Rosen, R. A. 1987. U.S. Forest Service research can help resolve conflicts in forest management. Presented at the 1987 Annual Southern Research Station Management Meeting, 20 May, Morton, Mississippi.
- Rosen, R. A. 1987. Fishery habitat enhancement opportunities on Southern forests: Implementation of an action plan. Presented at the 1987 annual Region 8 Management Conference, U.S. Forest Service, 18 August, Lexington, Kentucky.
- Rosen, R. A. 1987. National Wildlife Federation Programs and Initiatives. Presented to the Business Council of Georgia, 13 August, Atlanta, Georgia.
- Rosen, R. A. 1987. Fishery, wildlife, and range management on Southern forests: The role of Forest Service professional managers. Presented at the 1987 Annual Region 8 Fisheries, Wildlife, and Range Workshop, U.S. Forest Service, 1 December, Biloxi, Mississippi.
- Rosen, R. A. 1986. Building communication networks between organizations of natural resource management professionals and citizen organizations of resource conservationists: A route to successful advocacy. Presented at the keynote session: Non-biological considerations in resource management decision making, at the 1986 Joint Annual Meeting of the California - Nevada Chapter, American Fisheries Society and the California Natural Resources Federation, 25 January, Fresno, California.
- Rosen, R. A. 1986. Urban fisheries development: A new forum for building a constituency for fishery advocacy. Presented at the 43rd Annual Meeting of The Northeast Fish and Wildlife Conference, 30 April, Hershey, Pennsylvania.
- Rosen, R. A. 1986. Federal deficit reduction and its effect on state and federal fishery management programs: Current realities and future prospects. Presented at the 15th Annual Meeting of the Fisheries Administrators Section, American Fisheries Society, 28 April, Hershey, Pennsylvania.
- Rosen, R. A. 1986. State-federal relationships in fishery management: Focus on the Chesapeake Bay. Presented at the 59th Annual Conference of the Outdoor Writers Association of America, 9 June, Harrisburg, Pennsylvania.
- Rosen, R. A. 1986. Fisheries policy and legislation: Understanding the process. At the 116th Annual Meeting of the American Fisheries Society, 15 September, Providence, Rhode Island.
- Rosen, R. A. 1986. Conflict resolution in fisheries management. Session moderator. At the 116th Annual Meeting of the American Fisheries Society, 15 September, Providence, Rhode Island.
- Rosen, R. A. 1986. Fishery budgets and programs in the 99th Congress: A final analysis. Presented at the annual autumn meeting of the Natural Resources Council of America, 20 October, Washington, District of Columbia.
- Rosen, R. A. 1985. Restoring fisheries to the Chesapeake Bay: A matter of public policy. Saving the Chesapeake Bay: the Pennsylvania Connection. A conference at Millersville State University, 26 January, Millersville, Pennsylvania.
- Rosen, R. A. 1985. The role of fish culture in fishery management: A review and conclusions. Presented at the Symposium on the Role of Fish Culture in Fishery Management, 3 April, Lake of the Ozarks, Missouri.

- Rosen, R. A. 1985. Decline of striped bass in the Chesapeake Bay. Presented before the Natural Resources Council of America, 15 August, Smithsonian Environmental Research Center, Edgewood, Maryland.
- Rosen, R. A. 1985. Fishery habitat concerns in federal and state fishery management planning. Presented at the 44th Annual Meeting of the Atlantic States Marine Fisheries Commission, 9 October, Southampton, New York.
- Rosen, R. A. 1984. Advocacy and the fisheries professional: The Fiscal Year 1984 federal fishery budget. Keynote address, presented at the 1984 Annual Meeting of the Mississippi Chapter, American Fisheries Society, 16-17 February, Pascagoula, Mississippi.
- Rosen, R. A. 1984. Implementing the NMFS habitat policy. Address at the National Marine Fisheries Service's Habitat Policy Implementation Workshop. 19 April, Washington, District of Columbia.
- Rosen, R. A. 1984. Federal fishery agency budgets and policies: A look at the future. Banquet address, presented at the 38th Annual Meeting of the Wisconsin Wildlife Federation, 27-28 April, Oshkosh, Wisconsin.
- Rosen, R. A. 1984. Fisheries at what price: Mitigating habitat loss and fishery management failure with hatcheries. Presented at the 41st Annual Meeting of the Northeast Fish and Wildlife Conference, 15 May, Ocean City, Maryland.
- Rosen, R. A. 1984. Introducing striped bass to the Chesapeake Bay. Technical session and panel discussion moderator). Presented at the 8th Annual Meeting of the Potomac Chapter, American Fisheries Society, 18 May, Coolfont, West Virginia.
- Rosen, R. A. 1984. The role of fish culture in fishery management: An introduction. Presented at the 114th Annual Meeting of the American Fisheries Society, 13 August, Ithaca, New York.
- Rosen, R. A. 1984. The role of fish culture in fishery management: Present policies and future directions. Plenary session Chairman, 114th Annual Meeting of the American Fisheries Society, 13 August, Ithaca, New York.
- Rosen, R. A. 1984. Amending the Fishery Conservation and Management Act. Presented at:
- Executive Committee and Interstate Fishery Management Board meeting at the 43rd Annual Meeting of the Atlantic States Marine Fisheries Commission, 2 October, Savannah, Georgia.
 - Mid-Atlantic and South Atlantic Fishery Management Councils, joint meeting, 26 October, Virginia Beach, Virginia.
 - Pacific Marine Fisheries Commission, 37th Annual meeting, 27 November, Seattle, Washington.
 - Pacific Fishery Management Council meeting, 29 November, Seattle, Washington.
 - Marine Fisheries Advisory Committee meeting, 28 January 1985, Washington, District of Columbia.
- Rosen, R. A. 1983. The role of conservation organizations in promoting urban fishing. Presented at the Urban Fishing Symposium, 7 October, Grand Rapids, Michigan.
- Rosen, R. A. 1983. The role of the Federal government in aquaculture information transfer and extension. Presented at the 73rd Annual Meeting of the International Association of Fish and Wildlife Agencies, 13 September, Milwaukee, Wisconsin.
- Rosen, R. A. 1983. Basic issues in wetlands conservation. Presented at the 7th Annual Meeting of the Potomac Chapter, American Fisheries Society, 26 May, Towson, Maryland.

- Rosen, R. A. 1983. D-J expansion update-panel discussion. Presented at the 12th Annual Meeting of the Fisheries Administrators Section, American Fisheries Society, 12 May, Memphis, Tennessee.
- Rosen, R. A. 1983. Fisheries funding. Presented at the Virginia Tech Chapter Meeting, American Fisheries Society, 25 January, Blacksburg, Virginia.
- Rosen, R. A. 1982. Interactions between young American shad and their food: A reason for managing clupeid restoration in the upper Connecticut River. Presented at the 39th Annual Northeast Fish and Wildlife Conference, 15 April, Cherry Hill, New Jersey.
- Rosen, R. A. 1982. Zooplankton-shad relationships in the Holyoke Pool. Presented at the Connecticut River Policy and Technical Committee Annual Meeting, 1 February, Amherst, Massachusetts.
- Rosen, R. A. 1981. Interactions between zooplankton and young American shad in a large lotic system, the Connecticut River. Presented at the Savannah River Ecology Laboratory, 24 April, Aiken, South Carolina.
- Rosen, R. A. 1981. Alterations in feeding and growth of young American shad in response to change in zooplankton abundance. Presented at the Southern New England Chapter Meeting, American Fisheries Society, 2 December, Sturbridge, Massachusetts.
- Rosen, R. A. 1980. A manual for outboard motor operation and safety. Poster paper. Presented at the Fishery Educators Section Workshop, 110th Annual Meeting of the American Fisheries Society, September, Louisville, Kentucky.
- Rosen, R. A. 1979. A scarred population of paddlefish (*Polyodon spathula*) from South Dakota-Nebraska. Presented at the 59th Annual Meeting of the American Society of Ichthyologists and Herpetologists, 31 July, Orono, Maine.
- Rosen, R. A. 1978. Feeding ecology of adult paddlefish in free-flowing Missouri River. Presented at the 108th Annual Meeting of the American Fisheries Society, 24 August, Kingston, Rhode Island.
- Rosen, R. A. and D. G. Unkenholz. 1978. Distribution and movement of paddlefish in the Missouri River below Gavins Point Dam, South Dakota. Presented at the 108th Annual Meeting of the American Fisheries Society, 24 August, Kingston, Rhode Island.
- Rosen, R. A. 1978. Current status of paddlefish (*Polyodon spathula*) research in South Dakota. Presented at the Southern New England Chapter Meeting, American Fisheries Society, 7 June, Kingston, Rhode Island.

INVITED LECTURES ON POLICY AND SCIENCE (examples)

- Rosen, R.A. 2016. Empowering Tomorrow's Water Science Savvy Citizens: A Formula for Success in Delivering Experiential Technology-Enhanced STEM Education. Keynote Address at the 2nd Annual Student Research Symposium, Texas A&M University – San Antonio, April 29-30, San Antonio, TX.
- Rosen, R.A. 2016. Texas Aquatic Science: An Experiential Education Pathway for Integrating Tech In and Outside the Classroom. St. Edwards University Open Forum Seminar. March 9, Austin, TX.
- Rosen, R.A. 2016. Texas Aquatic Science: An Aquatic Science Pathway for Tech In (and Outside) the Classroom. Presented at the Prairie View A&M University – College of Agriculture and Human Sciences Research Seminar Series, Prairie View A&M University, March 3, Prairie View, TX.
- Rosen, R.A. 2013. Headwaters to ocean. Keynote speaker at the North Texas Master Naturalists Annual Meeting, December 4, Dallas, TX.

- Rosen, R.A. 2010. The North American Model of Wildlife Conservation: A century of species and habitat management in America. Presented at the Environmental Studies Colloquium, Whittier College, March 17, Whittier, CA.
- Rosen, R. A. 2005. The science of conservation in the Pacific Northwest. Presented at the Winter Annual Meeting of the Ducks Unlimited Board of Directors, 19 February, Albuquerque, NM.
- Rosen, R.A. 2001. Resource management ballot initiatives in the year 2000. Presented at the 23rd Annual Meeting of the Foundation for North American Wild Sheep, January, Reno, NV.
- Rosen, R.A. 1999. Session organizer, moderator and speaker. A primer on fish and wildlife management: advocates, extremists and organizations. Presented at the 28th Annual Meeting of Safari Club International, January, Las Vegas, NV.
- Rosen, R.A. 1990. Forest research demands in the “Decade of the Environment”: Where do we go from here? Presented at the 1990 Southeastern Forest Experiment Station manager’s meeting, 1 May, Dillard, Georgia.
- Rosen, R. A. 1989. Preserving our endangered wildlife: The role of the Piedmont National Wildlife Refuge. Presented at the 50th Anniversary Celebration of the Piedmont National Wildlife Refuge, 13 May, Round Oak, Georgia.
- Rosen, R. A. 1989. Forest research to meet the environmental challenges of the 1990s: Comments on the Southern Forest Experiment Station’s research programs and recommendations for the future. Presented at the U.S. Forest Service’s 1989 Southern Forest Experiment Station Managers Meeting, 17 May, Greenville, Mississippi.
- Rosen, R.A. 1989. Wilderness fish and wildlife management: Preserving our wildlife inheritance. Presented at the 25th Anniversary Celebration of the Wilderness Act, 9 September, Cheaha State Park, Lineville, Alabama.
- Rosen, R. A. 1988. National Constituency and program development for fisheries: Habitat management in National Forests. Presented at the 1988 National Fisheries Program Managers Workshop, 25 February, Altoona, Florida.
- Rosen, R. A. 1988. Wetlands to fishing lakes: A Southeastern regional problem. Presented to the South Carolina Wildlife Federation Board Meeting, 7 December, Columbia, South Carolina.
- Rosen, R.A. 1986. Legislative needs for federal fisheries programs: A practical agenda for the future. Presented at the Fishery Resources Program Leaders Meeting, U.S. Fish and Wildlife Service, 12 February, Williamsburg, Virginia.

POLICY AND SCIENCE COLUMNS IN MAGAZINES (Regular Columnist)

- 1985 - 1997. Issues and Answers: Current Topics in Science and Policy from Washington and the Nation. Regular feature in the In-Fisherman: The Journal of Freshwater Fishing (a national news stand magazine).
- Rosen, R.A. 1997. Fish stocking—environmental pollution? In-Fisherman: The Journal of Freshwater Fishing 22 (5): 20-21.
- Rosen, R.A., D. Willis and M. Brown. 1997. Fish and wildlife agencies—public or private. In-Fisherman: The Journal of Freshwater Fishing 22 (4): 30-34.
- Rosen, R.A. 1997. Federal fishing report card. In-Fisherman: The Journal of Freshwater Fishing 22 (1): 36-40.

- Rosen, R.A. 1996. The benefits of clean water. In-Fisherman: The Journal of Freshwater Fishing 21 (6): 32-33.
- Rosen, R.A. 1996. Fish and wildlife research units threatened. In-Fisherman: The Journal of Freshwater Fishing 21 (6): 28-32.
- Rosen, R.A. 1996. The politics of fishing: on the scene in Washington, early 1996. In-Fisherman: The Journal of Freshwater Fishing 21 (5): 30-33.
- Rosen, R.A. 1996. Managing a fish stew. In-Fisherman: The Journal of Freshwater Fishing 21 (3): 35-41.
- Rosen, R.A. 1996. The continuing zebra mussel invasion. In-Fisherman: The Journal of Freshwater Fishing 21 (2): 36-41.
- Rosen, R.A. 1996. Teachers and kids get WILD about aquatic science. In-Fisherman: The Journal of Freshwater Fishing 21 (1): 33-37.
- Rosen, R.A. 1995. New funding for nongame fish and wildlife. In-Fisherman: The Journal of Freshwater Fishing 20 (5): 24-26.
- Rosen, R.A. 1995. Farm policies affect fishing. In-Fisherman: The Journal of Freshwater Fishing 20 (4): 38-42.
- Rosen, R.A. 1995. Contract on the future of fishing. In-Fisherman: The Journal of Freshwater Fishing 20 (3): 42-45.
- Rosen, R.A. 1995. Citizen input required. In-Fisherman: The Journal of Freshwater Fishing 20 (2): 40-46.
- Rosen, R.A. 1995. Property rights, property wrongs. In-Fisherman: The Journal of Freshwater Fishing 20 (1): 42-48.
- Rosen, R.A. 1995. Don't stock that bait. In-Fisherman: The Journal of Freshwater Fishing 19 (7): 34-36.
- Rosen, R.A. 1994. To bag or not to bag. In-Fisherman: The Journal of Freshwater Fishing 19 (6): 32-35.
- Rosen, R.A. 1994. Marketing hunting and fishing. In-Fisherman: The Journal of Freshwater Fishing 19 (5): 29-30.
- Rosen, R.A. 1994. Waterfowl deaths kill sinkers. In-Fisherman: The Journal of Freshwater Fishing 19 (4): 33-36.
- Rosen, R.A. 1994. Better fishing with chemistry. In-Fisherman: The Journal of Freshwater Fishing 19 (3): 28-32.
- Rosen, R.A. 1994. Biodiversity and fishing. In-Fisherman: The Journal of Freshwater Fishing 19 (2): 32-36.
- Rosen, R.A. 1993. Stocking controversies. In-Fisherman: The Journal of Freshwater Fishing 18 (7): 28-30.
- Rosen, R.A. 1993. Adopt A Stream: Citizen involvement for better fishing. In-Fisherman: The Journal of Freshwater Fishing 18 (6): 26-28.
- Rosen, R.A. 1993. Nonconsumptive fisheries: Tennessee freshwater aquarium. In-Fisherman: The Journal of Freshwater Fishing 115: 34-35.
- Rosen, R.A. 1993. Why some fishermen don't fish. In-Fisherman: The Journal of Freshwater Fishing 114: 34-38.
- Rosen, R.A. 1993. Recruiting future anglers. In-Fisherman: The Journal of Freshwater Fishing 113: 38-42.

- Rosen, R.A. 1993. Alternative tactics for financing fishery projects in tough times. In-Fisherman: The Journal of Freshwater Fishing 112: 36-40.
- Rosen, R.A. 1993. Wallop-Breaux spells good fishing: Federal program pumps iron into state fishing programs. In-Fisherman: The Journal of Freshwater Fishing 111: 38-42.
- Rosen, R.A. 1992. Declining coastal fish populations. In-Fisherman: The Journal of Freshwater Fishing 110: 36-39.
- Rosen, R.A. 1992. The status of sturgeon: Our biggest fish face an uncertain future. In-Fisherman: The Journal of Freshwater Fishing 109: 32-34.
- Rosen, R.A. 1992. The changing nature of fishing in parks. In-Fisherman: The Journal of Freshwater Fishing 108: 30-32.
- Rosen, R.A. 1992. Beyond 2001: North America's fishery management leadership considers the future. In-Fisherman: The Journal of Freshwater Fishing 107: 30-32.
- Rosen, R.A. 1992. Endangered fish: Is it too late to protect salmon? In-Fisherman: The Journal of Freshwater Fishing 106: 38-42.
- Rosen, R.A. 1992. Defining away wetlands: Government definitions affect the future of fishing. In-Fisherman: The Journal of Freshwater Fishing 105: 38-41.
- Rosen, R.A. 1992. Competitive fishing—the debate continues. In-Fisherman: The Journal of Freshwater Fishing 104:34-36.
- Rosen, R.A. 1991. I'll pay more for fishing, if.... In-Fisherman: The Journal of Freshwater Fishing 103: 28-30.
- Rosen, R.A. 1991. The future of guides. In-Fisherman: The Journal of Freshwater Fishing 102:24-26.
- Rosen, R.A. 1991. About license fees. In-Fisherman: The Journal of Freshwater Fishing 101: 26-28.
- Rosen, R.A. 1991. Warming up to reality: Scientists predict global climate change will change fishing. In-Fisherman: The Journal of Freshwater Fishing 100:32-35.
- Rosen, R.A. 1991. Nations prepare to muscle mussels and other illegal aliens. In-Fisherman: The Journal of Freshwater Fishing 99:28-29.
- Rosen, R.A. 1991. Funding fish and wildlife...and nongame species. In-Fisherman: The Journal of Freshwater Fishing 98:34-37.
- Rosen, R.A. 1991. Wetlands for the 1990's. In-Fisherman: The Journal of Freshwater Fishing 97: in press.
- Rosen, R.A. 1991. Anti-hunting, anti-fishing. In-Fisherman: The Journal of Freshwater Fishing 96:26-28.
- Rosen, R.A. 1990. Working together to make it happen for fisheries. In-Fisherman: The Journal of Freshwater Fishing 95:33-35.
- Rosen, R.A. 1990. Bureau of Land Management: moving in the right direction. In-Fisherman: The Journal of Freshwater Fishing 94:26-28.
- Rosen, R.A. 1990. Citizen action. In-Fisherman: The Journal of Freshwater Fishing 93:32-35.
- Rosen, R.A. 1990. Busting fish crooks: supporting aggressive enforcement of fish and wildlife laws. In-Fisherman: The Journal of Freshwater Fishing 92:32-36.

- Rosen, R.A. 1990. Earth Day 1990: you're invited to an environmental revival In-Fisherman: The Journal of Freshwater Fishing 91:30-32.
- Rosen, R.A. 1990. River warriors: Michigan anglers take on the U.S. Army. In-Fisherman: The Journal of Freshwater Fishing 90:38-40.
- Rosen, R.A. 1989. New funding for fish and wildlife. In-Fisherman: The Journal of Freshwater Fishing 89:31-32.
- Rosen, R.A. 1989. Lake Michigan fish advisory. In-Fisherman: The Journal of Freshwater Fishing 88:22-26.
- Rosen, R.A. 1989. F.I.S.H. In-Fisherman: The Journal of Freshwater Fishing 87:29-33.
- Rosen, R.A. 1989. National Recreational Fishing Policy: a visit with the chief architect. In-Fisherman: The Journal of Freshwater Fishing 86:28-30.
- Rosen, R.A. 1989. Blueprint: President Bush's plan of action In-Fisherman: The Journal of Freshwater Fishing 85:34-37.
- Rosen, R.A. 1989. Stop, Look, and Listen about fish and fishing In-Fisherman: The Journal of Freshwater Fishing 84:32-34.
- Rosen, R.A. 1989. Introduced fish—when to say “no”. In-Fisherman: The Journal of Freshwater Fishing 83:36-39.
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