

W A T E R R E S O U R C E S

IMPACT

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YOUTH AND
WATER
RESOURCES

AWRA

Community, Conversation, Connections

AMERICAN WATER RESOURCES ASSOCIATION



AWRA
Community, Conversation, Connections

2013 MEMBERSHIP APPLICATION

(for full year membership January 1 – December 31)

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Payment must accompany application and be made in US dollars drawn on US bank.

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- Transitional Member (IMPACT print/JAWRA online)\$100
 - Receive JAWRA Print\$25
- International Electronic Member (IMPACT/JAWRA online)\$25
- Student Member (IMPACT print/JAWRA online)\$30
- Associate Member – One office\$500
- Associate Enterprise Member – All offices\$2000
- Membership Certificate (optional)\$11

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JOB TITLE (circle one)

- JT1 Management (Pres, VP, Div Head, Sect Head, Manager, Chief Eng)
- JT2 Engineering (Non-mgmt; i.e., Civil, Water Resources, Planning)
- JT3 Scientific (Non-mgmt; i.e., chemist, biologist, hydrologist, etc.)
- JT4 Marketing/Sales (Non-mgmt)
- JT5 Faculty
- JT6 Student
- JT7 Attorney
- JT8 Retired
- JT9 Computer Scientist (GIS, modeling, etc.)
- JT10 Elected/Appointed Official
- JT11 Volunteer/Interested Citizen
- JT12 Non-Profit
- JT13 Other: _____

DISCIPLINE (circle one)

- AG Agronomy
- BI Biology
- CH Chemistry
- EC Economics
- ED Education
- EG Engineering
- FO Forestry
- GR Geography
- GE Geology
- GI Geographic Info. Systems
- HY Hydrology
- JR Journalism
- LA Law
- LM Limnology
- OE Oceanography
- PH Physics
- PS Political Science
- PB Public Health
- SO Soil Science
- OT Other: _____

EMPLOYER (circle one)

- CF Consulting Firm
- EI Educational Institution (Faculty/Staff)
- ES Educational Institution (Student)
- LR Local/Regional Gov't Agency
- SI State/Interstate Gov't Agency
- IN Industry
- LF Law Firm
- FG Federal Government
- RE Retired
- NP Non-Profit Organization
- OT Other: _____

How did you learn about AWRA?

- Promotional Mailing Word of Mouth
- AWRA Website Other: _____

What's your reason for joining?

- Info from Journal/IMPACT Networking
- Conference Discount Technical Committees
- Other: _____

Did someone recommend that you join AWRA? Who?

EDUCATION (circle one)

- HS High School
- AA Associates
- BA Bachelor of Arts
- BS Bachelor of Science
- MA Master of Arts
- MS Master of Science
- JD Juris Doctor
- PhD Doctorate
- OT Other: _____



AWRA
Community, Conversation, Connections

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Engaging youth in the water resources field is an exciting and unique opportunity that we have as water resource professionals and educators. This issue of *Water Resources IMPACT* focuses on a few examples of the many tools there are to reach our youth and expose them to water resources. Whether bringing the stream to the classroom or the class to the stream, these are the hands-on opportunities that will leave their mark. This issue covers an array of ways to bring together youth and water resources to offer you a new perspective on how to reach youth and impact our next generation of water advocates.

FEATURE ARTICLES

3 How Students From Virginia, Maryland, and the District of Columbia Are Helping to Restore American Shad in the Potomac River and the Chesapeake Bay ... Jim Cummins

Thousands of students and dozens of teachers in the Virginia and DC metropolitan area are bringing American Shad to the classroom. The students incorporate core subject areas, learn about the historic fish and restoration efforts, and have contributed to stocking and restoring American Shad in the Potomac River and Chesapeake Bay.

7 Kids Learn, Communities Benefit ... Nicole Rosenleaf Ritter and Kerry Schwartz

An Arizona program teaches upper elementary and middle school students to conserve water utilizing math, science, and communication skills for the 21st Century.

9 Aquatic Monitoring Program Engages High School Students in Restoration of the Green Bay Watershed ... Kevin Fermanich, Annette Pelegrin, and Lynn Terrien

The Lower Fox River Watershed Monitoring Program is a school-based watershed monitoring network that engages high school students and teachers in hands-on, minds-on science while collecting high quality data. This collaborative effort of the University of Wisconsin-Green Bay, area high schools, and community partners has shown potential to make valuable contributions to regional environmental protection and public policy.

12 Star Power Boosts Water Messages ... Nicole Rosenleaf Ritter

Bringing together basketball, water, and STEM, a partnership between a nonprofit water education leader and a group of retired professional basketball players aims to improve water awareness in urban areas, starting in Houston.

14 Green Jobs for Urban Youth in Wilmington, Delaware ... Martha Corrozi Narvaez

A partnership of government, nonprofit, and academic entities collaborates to bring environmental careers and opportunities to urban youth in the City of Wilmington. This six-week program provides career training and exposes urban teens to opportunities and issues related to their local natural environment.

17 Using Slimy Leaves for Stream Water Quality Assessment: The Leaf Pack Experiment ... Christina Medved

The Leaf Pack Experiment (LPE) mimics the natural process of leaves falling into streams and decomposing. The Leaf Pack method of collecting macroinvertebrates provides valuable insight regarding riparian forests and their streams. LPE is an easy way to engage students and the community in basic research and understanding the health of their waterway.

Other features in this issue ...

▲ AWRA BUSINESS

6 Highlights of June 2013 *Journal of the American Water Resources (JAWRA) Papers (Featured Collections)*

20 Send Us Your Feedback for This Issue

24 AWRA FUTURE MEETINGS ... 2013 & 2014 Mark Your Calendars

26 President's Message ... Youth and Water Resources and AWRA

28 AWRA's 2013 Spring Specialty Conference Student Presenter Competition Winners Announced

29 Scheduled Topics for Future Issues of IMPACT ... 2013 & 2014

29 Advertising Opportunities in IMPACT

▲ OPINION COLUMNS

21 The New Economy of Water ... The Water and Energy Nexus: The Inherent and Reciprocal Relationship for These Resources ... Jackson Reed and Matt Payne

22 What's Up With Water ... Beautiful Illusions, Cautionary Tales, and "Mirror, Mirror" ... Eric J. Fitch

24 Could We Do Better ... Give'em An Inch and They'll Take a Planet ... Laurel E. Phoenix

25 NOAA's NWS Update ... Updated Precipitation Frequency Estimates for 17 U.S. States Released ... Dr. Sanja Perica (Guest Column)

(Opinions expressed by our columnists are their own and do not represent the opinion or position of AWRA.)

▲ WATER RESOURCES PUZZLER 27
Answers 29

▲ ADVERTISERS

GoldSim Technology Group, LLC23

CRC Press - Taylor & Francis Group . . .30



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