



EnviroEd

Fall 2010

PUBLISHED BY THE PUBLIC EDUCATION COMMITTEE OF THE NEW YORK WATER ENVIRONMENT ASSOCIATION, INC.
www.nywea.org



Message From the Chair

Welcome to the fall 2010 edition of the NYWEA Public Outreach Committee EnviroEd Newsletter. I hope everyone had a safe and relaxing summer. For those of you who are social networking addicts, the

NYWEA Public Outreach Committee is now on Facebook. Become a fan or friend of our Facebook page at New York Water Envir. Assoc. Public Outreach.

Continuing along with our objective of engaging teachers, and educating young people about the interesting and rewarding careers in the environmental/water quality field, we have compiled another newsletter full of interesting and useful information. This edition of our newsletter includes interesting and informative websites which can be used in your classroom, as well as several upcoming competitions and scholarships to help you engage your students.

Please "Mark Your Calendars" The 83rd Annual NYWEA Winter Meeting and Exhibition will be held at the Marriott Marquis in New York City from February 6th to February 9th, 2011. Additional information can be found at <http://nywea.org>. This year the Public Outreach Committee is considering developing a special "Teachers" session. The teachers session would focus on "Go Green – Recycle and Reuse Projects for Small and Large Communities." We need your support! If you would be interested in attending or presenting at the program, please e-mail either myself at joseph.corrado@aracdais-us.com or Ms. Beth Petrillo at bpetrillo@dep.nyc.gov. Once again, we hope you enjoy this newsletter and I wish all of you a happy and healthy holiday season.

Please contact Beth Petrillo, Vice-Chair at bpetrillo@dep.nyc.gov if you would like previous newsletters emailed to you or if you have any suggestions on how we can improve the newsletter.

Spotlight on Schools



Urban Assembly New York Harbor School

85% of the students come from families living below the poverty line. In June, 2010, the school graduated its first class from its new Governors Island campus which "has been retrofitted with state-of-the-art facilities, including a fin-fish and shellfish production lab. Congratulations to the graduates and good luck in pursuing water related careers.

Brooklyn Technical High School – Environmental Science and Engineering Program

Brooklyn Tech is organized around a majors system: students in 10th grade choose a major for their last two years of high school. Two of the programs they can select is Environmental Science and Environmental Engineering. Students have participated in field study of marine/aquatic ecology at the New York Aquarium, forest ecology in Prospect Park and soil ecology in Fort Greene Park. Additionally, students have participated in a water quality study of the Gowanus Canal and made recommendations for improving the water quality to NYC DEP. These are innovative programs which foster an appreciation and respect towards the environment as well as train future environmental professionals.

Education Video

The EPA has 4 new video clips (Water- Why It's Important, All in a Day's Work, Flow into Success, and It's Green, Where Would We Be Without Water). These videos are directed toward high school and/or vocational technical school students.

For more information, go to <http://www.epa.gov/safewater/operatorcertification/wateryouwaitingfor/index.html#>

Attention Parents of High School Seniors

Did you know that NYWEA has a Child of Member Scholarship? Do you have a son or daughter following in your environmental footsteps? If so, you may want to encourage them to submit a scholarship application in the Child of Member category. For more information visit the NYWEA website, www.nywea.org.

Competitions and Scholarships

Carnegie Council Student/Teacher Competition "Making a Difference"

Essay Title: How would you improve your school so that it prepares future leaders to protect the planet?

To Enter: E-mail entries to: student-contest@cceia.org. Please include full name, address, e-mail, age and student affiliation. All students from high school through graduate school are eligible. Deadline for filing: December 31, 2010

Prizes:

1st prize: \$250 Amazon Gift Certificate

2nd prize: \$150 Amazon Gift Certificate

3rd prize: \$75 Amazon Gift Certificate

Scholarships

NYWEA Offers \$19,000 in Scholarships!

The New York Water Environment Association will be offering a total of six (6) \$1,500 scholarships and one (1) \$10,000 scholarship in 2011.

\$10,000 Environmental Career Scholarship

The eligibility criteria for the \$10,000 scholarship (paid out over four years) is as follows:

The recipient must be: A qualifying high school senior; A New York State resident; enrolled full-time in a B.S. or B.E. degree program with an environmental emphasis.

Application deadline: January 21, 2011

\$1,500 Scholarship Application Package

To be eligible for one of the \$1,500 scholarships:

- Two are granted to children of members
- Two are granted to students enrolled at a college or university where there is a NYWEA student chapter, and
- Two are granted to high school students who will be enrolled in an environmentally related program in a four year college or university.

Application deadline: January 21, 2011.

2011 N.G. Kaul Memorial Scholarship

The N.G. Kaul Memorial Scholarship Fund will be offering a total of \$2500 in scholarships to students pursuing graduate or doctoral degrees in environmental/civil engineering or environmental science concentrating on water quality who show a commitment to government service.

Application deadline: February 28, 2011.

Jim Anderson Memorial Scholarship

The Jim Anderson Memorial Scholarship offers one \$1,250 scholarship annually. Applicants must be enrolled in a BS or BE full-time engineering program with a focus on environmental issues, particularly water/wastewater.

Application deadline: May 1, 2011

Lucy Grassano Memorial Scholarship

The scholarship will be utilized to further the careers of secretaries, administrative assistants, and operators in the water quality field.

Application deadline: December 2, 2010

WEF Scholarship Opportunities

WEF Canham Graduate Studies Scholarship

The scholarship, honoring the former Water Environment Executive Director,

Robert Canham, provides \$25,000 for a post-baccalaureate student in the water environment field.

AWWA Scholarship Opportunities

For applications and eligibility criteria go to lmoody@awwa.org or call Linda Moody at (303)347-6201

Abel Wolman Fellowship

Supports promising doctoral students in the US, Canada and Mexico pursuing advanced training and research in the field of water supply and treatment. Support up to \$20,000, renewable for a second year.

Deadline: January 15, 2011

Larson Aquatic Research Support (LARS)

Provides support for doctoral and masters students interested in careers in the fields of corrosion control, treatment and distribution of domestic and industrial water supplies, aquatic chemistry, and/or environmental chemistry.

- Support (Masters) \$5,000 one-time grant

- Support (Doctoral) \$7,000 one-time grant

Deadline: January 15, 2011

Thomas R. Camp Scholarship

Sponsored by Camp Dresser and McKee, Inc. This scholarship provides support to graduate students doing applied research in the drinking water field.

Support: \$5,000 one-time grant

Deadline: January 15, 2011

Competitions and Scholarships

Holly A. Cornell Scholarship

Sponsored by CH2M Hill. The scholarship encourages female and/or minority masters students in pursuit of advanced training in the field of water supply and treatment.

Support: \$5,000 one-time grant

Deadline: January 15, 2011

American Water Works Association Scholarship

Support: \$5,000 annually

Deadline: May 10, 2011

Black & Veatch – Building a World of Difference Scholarship

Provides one year of support to an undergraduate student seeking a degree in the water industry.

Support: \$5,000 annually

Deadline: May 10, 2011

Brown and Caldwell – Dr. W. Wesley Eckenfelder, Jr. Scholarship

Provides one year of support to an undergraduate/masters student seeking a degree in the environmental industry.

Support: \$3,000 annually

Deadline: January 31, 2011

Brown and Caldwell – Minority Scholarship

Provides one year of support to up to five minority undergraduate/masters students seeking a degree in the environmental industry.

Support: \$3,000 annually/student

Deadline: March 1, 2011

Environmental Engineers of the Future

Provides funding for students attending one of many outstanding Environmental Engineering programs across the nation, in return for a 2-year employment commitment.

EPA STAR Fellowships

EPA's STAR graduate fellowship program supports master's and doctoral candidates in environmental studies.

Support: Up to \$37,000 per year of support, including \$12,000 per year for tuition and fees, \$20,000 per year in a monthly stipend, and an annual expense allowance of \$5,000.

Malcolm Pirnie Graduate Scholarship

Provides one year of support to a masters candidate student seeking a degree in the water industry.

Support: \$5,000 annually

Deadline: May 10, 2011

MWH Scholarship

Provides one year of support to a masters candidate student seeking a degree in the water industry.

Support: \$5,000 annually

Deadline: May 10, 2011

National Science Foundation Graduate Research Fellowship Program (GRFP)

The Graduate Research Fellowship provides three years of support for graduate study leading to research-based master's or doctoral degrees and is intended for students who are in the early stages of their graduate studies.

Support: 1,654 new awards will be offered pending availability of funds.

Job Opportunity

NYC Department of Sanitation

The Materials Exchange Development Program (MEDP) www.nycmed.org and NYC WasteMatch www.wastematch.org, two programs funded by the Bureau of Waste Prevention, Reuse and Recycling of the New York City Department of Sanitation and operated out of City College of New York, are soliciting applications from qualified individuals to fill a full-time, mid-level Program Associate position that will serve both programs.

For a more detailed job description and for application instructions, visit http://www.rfcuny.org/hr/pvn/cgi-bin/show_job.asp?pvn=RAD-772.

Featured Career Site

“Work for Water” <http://www.workforwater.org>

Work for Water is a place where students and job seekers can explore green careers, and utilities will find a clearinghouse of resources for recruiting. The site was developed by the American Water Works Association and the Water Environment Federation. This site has a lot of resources to help people find jobs or prepare for rewarding careers in protecting public health and the environment.

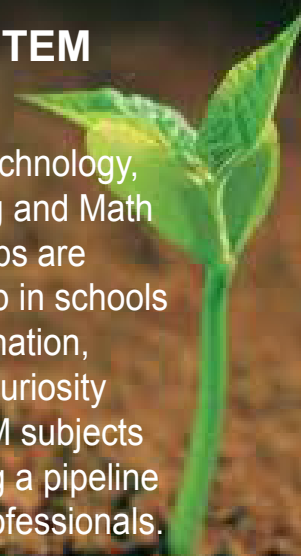
Websites of Interest



- www.nyweametro.org – This is the Metropolitan chapter website of the New York Water Environment Federation.
- www.dec.ny.gov – The New York State Department of Environmental Conservation has launched a new electronic newsletter for families. It is called DEC Outdoor Discovery. Each issue introduces subscribers to a seasonal environmental or nature topic, suggests a related activity, and lists family-friendly events at DEC's environmental education center. To subscribe, go to the website above and click on DEC Outdoor Discovery.
- www.nyc.gov/dep -- New York City Environmental Protection website.
- www.epa.gov/teachers - This is EPA's newly revised and improved environmental education website for teachers. One new feature is the addition of grade levels for the cited classroom materials.
- [Http://www.epa.gov/fishadvisories/kids](http://www.epa.gov/fishadvisories/kids) - EPA website for kids.
- www.teachengineering.com - Teach Engineering is a multi-university partnership that has developed K-12 engineering education curriculum modules that are standards-based, free and available over the internet. It aims to equip teachers with lessons in science, math and engineering that are creative and exciting.
- [Http://science.nsta.org](http://science.nsta.org) - National Science Teachers Association newsletter. Each issue is filled with informative articles.
- [Http://www.wef.org/LearnAboutWater/ForEducators/CurriculumMaterials/](http://www.wef.org/LearnAboutWater/ForEducators/CurriculumMaterials/). The Water Environment Federation has many children's publications including Water the Amazing Journey "Go With The Flow, and Worldwide Waste, It's not a Load of Rubbish."
- www.engineeringk12.org - Go Engineering's e-newsletter is for K-12 educators. Its purpose is to promote the importance of engineering and technology education and explore the many ways that engineering and technology can help teachers meet the challenge of making mathematics and science come alive for students.
- [www.pbs.org/journeytothetearth](http://www.pbs.org/journeytothetopofthetearth) - Funded by the National Science Foundation, Journey To Planet Earth is a video series that helps students and adults understand the most critical and timely issues facing the natural sciences.
- www.epa.gov/watersense/water/drop.htm - The Water-Sense program announces an exciting new set of educational materials for kids and teachers, "A Day in the Life of a Drop," teaches students about the connections between the sources of the water they use and how that use affects human health and the environment. These fun learning materials include a teachers guide, two student worksheets, a spreadsheet to track water use at home, and a pledge for students and their families to filter out bad water habits.
- [Http://pbskids.org/curiousgeorge](http://pbskids.org/curiousgeorge) – Explore sand, water, and wind with Curious George. Use the Curiosity Center Activities to host a hands-on Earth Science event for the children and in your classroom. Children will be eager to visit the hands-on Curiosity Centers, exploring and making their own discoveries.

Start A STEM Club –

Science, Technology, Engineering and Math (STEM) clubs are sprouting up in schools across the nation, cultivating curiosity about STEM subjects and building a pipeline of future professionals.



Come witness a celebration of science extravaganza on the National Mall in Washington, D.C. on the weekend of October 23 and 24, 2010.

The Inaugural USA Science & Engineering Festival [usasciencefestival.org] will culminate with an expo on the National Mall with several hundred sponsored booths by the like of Lockheed Martin; DOW; Scientific American; Popular Mechanics; Research in Motion; A Science Illustrated; Northrop Grumman, American Academy of Environmental Engineers; and more.

Each booth will involve hands-on, interactive displays with the intent of peaking the interest of Middle and High School students into the field of Math, Science and Engineering.

You need to check it out!

Go to the website to find out more ... or better yet – go to Washington on the weekend of October 23 and 24, 2010 and find out for yourself!

SAVE THE DATE!
Expo on the National Mall
October 23 & 24, 2010

USA SCIENCE & ENGINEERING FESTIVAL

FESTIVAL HOST: **LOCKHEED MARTIN**

Largest Celebration of Science in the US | A FREE EVENT FOR THE WHOLE FAMILY

USASCIENCEFESTIVAL.ORG

ACS
Chemistry for Life
is proud to be a Partner of the USA Science & Engineering Festival

Environmental Education

Attention Schools!

Plan your next field trip to the Visitor Center at Newtown Creek, located on the grounds of the Newtown Creek WWTP in Greenpoint Brooklyn.

Stroll along the Newtown Creek Nature Walk. For more information regarding visiting hours and trip details, either visit the DEP website at www.nyc.gov/dep and click on Environmental Education or phone (718)595-3506.





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Mark your Calendar!



NYWEA 83rd Annual Winter Meeting

February 6 - February 9, 2011 at the Marriott Marquis in New York City