

# ENVIROED NEWSLETTER

## THE SCHOLARSHIP ISSUE



PUBLISHED BY THE NEW YORK WATER ENVIRONMENT ASSOCIATION – PUBLIC OUTREACH COMMITTEE  
FALL 2015

### A MESSAGE FROM THE CHAIR



What did you do this summer? Did you take any service learning trips, internships, explore ideas for potential careers, work, prepare for college?

Whether you are in 7th grade or 10th; it's never too early to think about your future. When I was young I wanted to be a horse trainer, a restaurant owner, a teacher, then someone who worked to save the Earth. While I never envisioned myself doing what I do in the day-to-day; I know that I am doing something, my part, to save the Earth, and that makes it all worth it. That leads to the question, how would you help the environment? Would you or have you:

- volunteered for an environmental organization;
- started a recycling program;
- created a student chapter at your school; or
- tracked your own water use?

This issue is jam-packed with scholarship opportunities, just waiting for you to take advantage of them. Not yet sure of what career path, or internship opportunity, is right for you? Take a look at our websites of interest section to do some reading and research and see what sparks your interest. Good luck and get to it!

Khris Dodson

### 2016 NYWEA SCHOLARSHIPS

#### NYWEA OFFERS >\$30,000 IN SCHOLARSHIPS

The New York Water Environment Association will be offering a total of six (6) \$2,000 scholarships, one (1) \$10,000 scholarship, and one (1) \$5,000 scholarship in 2016.

#### 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](http://www.nywea.org).

#### NYWEA CHAPTERS HAVE SCHOLARSHIPS, TOO!

- Central Chapter: [www.cnywea.wildapricot.org](http://www.cnywea.wildapricot.org)
- Genesee Valley Chapter:  
[www.gvcnywea.org/GVCNYWEA/Welcome.html](http://www.gvcnywea.org/GVCNYWEA/Welcome.html)
- Long Island Chapter: [www.linywea.org](http://www.linywea.org)
- Lower Hudson Chapter: [lhnywea.org](http://lhnywea.org)
- Metropolitan Chapter: [nyweametro.org](http://nyweametro.org)
- Western Chapter: [www.wnywea.org](http://www.wnywea.org)

#### CHAPTER SCHOLARSHIP SPOTLIGHT:

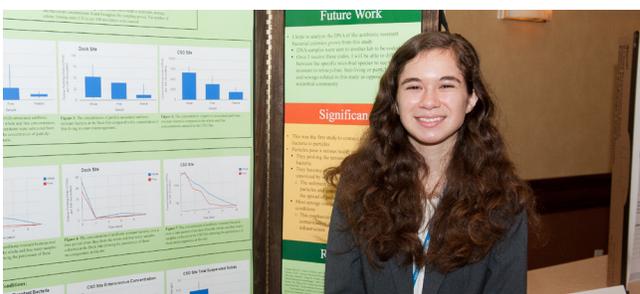
##### 2015 \$1,500 NYWEA MET CHAPTER SCHOLARSHIP

The NYWEA Metropolitan Chapter will be offering up to two (2) \$1,500 scholarships based on the following eligibility:

- Applicant must be a student enrolled at a College or University within the Metropolitan Chapter geographic boundaries (New York City) with an established NYWEA Student Chapter.
  - Applicant must be enrolled in a full-time engineering or environmental related program with a focus on environmental issues and must be completing their Junior year, Senior year or enrolled in a Graduate Program.
- Application deadline: November 18, 2015.

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### NYS HIGH SCHOOL STUDENT WINS STOCKHOLM JUNIOR WATER PRIZE



Amanda Morel, a senior at Pelham Memorial High School in Pelham, NY, won the Stockholm Junior Water Prize for her research titled: "The Importance of Particle Association with Antibiotic Resistant Bacteria and Sewage-Related Bacteria in an Aquatic Environment." This was the first study to observe the relationship between particles and antibiotic resistant bacteria.

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Results showed that particles are often colonized with antibiotic resistant bacteria, and particles prolong the persistence of these microorganisms. Amanda sampled water at four sites along Flushing Bay during both wet and dry weather conditions.

NYWEA, in particular the Public Outreach Committee, is happy to support Amanda in her entry, and subsequent award, in the Stockholm Junior Water Prize. It is budding environmentalists like Amanda that will ensure the good work being done to improve and protect water quality will continue.

Amanda will be attending Brown University and wants to focus on developing alternative sources of energy, preventing further pollution, advancing water treatment and purification methods, and solving environmental sustainability problems. "I hope I can have a positive impact on the world by impacting the lives of people everywhere, such as increasing access to clean water sources." Besides conducting her own research during the summer, Amanda went on two service trips during high school. In the summer of 2014, she went to Nicaragua to build a home for a mother and her three children as well as construct a new health center for the community of Piedra Menuda.

Join us as we congratulate Ms. Amanda Morel and wish her well in future endeavors.

## COMPETITIONS

### 2016 Stockholm Junior Water Prize

The international Stockholm Junior Water Prize (SJWP) is the most prestigious youth award for a high school water science research project. Its purpose is to increase youth attention toward the water environment, and to sensitize them – as future leaders – to local and global water challenges. HRH Crown Princess Victoria is the patron of the prize. In a royal ceremony, during World Water Week, the international winner receives a \$5,000 USD prize and a blue crystal sculpture.

The SJWP was founded by the Stockholm Water Foundation and is administered by the Stockholm International Water Institute (SIWI). ITT Industries is the global sponsor of the SJWP. In the United States, the Water Environment Federation (WEF), and its member associations, sponsor and organize the state and national competition with support from ITT Industries and the Coca-Cola Company.

The application deadline is April 15, 2016  
For more information, please visit [www.wef.org](http://www.wef.org)

## 2016 NYWEA SCHOLARSHIPS

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### \$10,000 MAJOR 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: February 10, 2016

### \$5,000 NICHOLAS J. BARTILUCCI ENVIRONMENTAL SCHOLARSHIP

The eligibility criteria for the \$5,000 scholarship (paid out in one lump sum) 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: February 10, 2016

### \$2,000 SCHOLARSHIP APPLICATION PACKAGE

TO BE ELIGIBLE FOR ONE OF THE \$2,000 scholarships:

- Two (2) are granted to children of members
- Two (2) are granted to students enrolled at a college or university where there is a NYWEA student chapter, and
- Two (2) are granted to high school students who will be enrolled in an environmentally related program in a four year college or university.

Application deadline: February 10, 2016

### N.G. KAUL MEMORIAL SCHOLARSHIP

The N.G. Kaul Memorial Scholarship Fund will be offering up to \$5,000 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 29, 2016

### JIM ANDERSON MEMORIAL SCHOLARSHIP

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

Application deadline: May 30, 2016

### LUCY GRASSANO MEMORIAL SCHOLARSHIP

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

Application deadline: November 18, 2015

## WEBSITES OF INTEREST

[www.dec.ny.gov](http://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](http://www.nyc.gov/dep)

New York City Environmental Protection website.

[www.epa.gov/teachers](http://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.

[www.epa.gov/fishadvisories/kids](http://www.epa.gov/fishadvisories/kids)

EPA website for kids.

[www.teachengineering.com](http://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.

[science.nsta.org](http://science.nsta.org)

National Science Teachers Association newsletter. Each issue is filled with informative articles.

[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 "World-wide Waste, It's not a Load of Rubbish."

[www.engineeringk12.org](http://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/journeytoplanetearth](http://www.pbs.org/journeytoplanetearth)

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](http://www.epa.gov/watersense/water/drop.htm)

"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 leaning materials include a teacher's 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.

[greeneducationfoundation.org](http://greeneducationfoundation.org)

The Green Education Foundation, in partnership with the Center for Green Schools, provides K-12 green-themed lesson plans and activities to share with educators around the world.

[urbanext.illinois.edu/schoolonline](http://urbanext.illinois.edu/schoolonline)

This website offers curricula and teaching ideas from educators at the University of Illinois Extension. Students in grades K-6 can explore topics including weather, hydrology, food origins through interactive games and activities.

[www.newyorkcityh2o.org](http://www.newyorkcityh2o.org)

An educational non-profit organization that offers programs about NYC's water and ecology to school groups and interested members of the public, including hikes, bike tours and lectures.

## UPCOMING EVENTS

### World Water Monitoring Day

Choose your day: March 22 – December 31, 2015

For more information visit [wef.org](http://wef.org)

### 13th Annual Day in the Life of the Hudson River Estuary

Thursday, October 20, 2015

For more information, visit the Day in the Life website at [dec.ny.gov/lands/47285.html](http://dec.ny.gov/lands/47285.html)

### NYWEA 88nd Annual Winter Meeting

February 8 - February 10, 2016 at the Marriott Marquis in New York City



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## JOB OPPORTUNITIES

WEF's technical and career resources give you the keys to launch a successful career in the water and wastewater field. These resources help students and young professionals get involved in WEF or related programs, learn about the technical aspects of water protection through hands-on activities, and get noticed by leaders in the field at home or at WEFTEC, the world's largest annual exhibit and educational forum on water and wastewater technologies.

There are lots of ways for college students to get involved with WEF, whether on a national level at WEFTEC or through their local Student Chapter. They can also be part of WEF's work with other like-minded organizations like Engineers Without Borders or Water for People. Whether you are researching a water-related paper, preparing for a career in water, or looking for community outreach opportunities at the national and state levels, this is the page for environmentally aware college students.

- **Join WEF ([e-wef.org](http://e-wef.org)):** Membership in WEF is a sound investment in your career and in the quality of life in your community. Join WEF's community of engineers, educators, students, operators, companies and individuals interested in enhancing our water quality.
- **Job Bank and Other Career Resources ([jobbank.wef.org](http://jobbank.wef.org)):** The new and improved Job Bank offers enhanced search capabilities and allows you to apply and even post your resume

online. You can also register to be notified by e-mail whenever a job meeting your specifications is posted. The Job Bank is updated daily, with an average of 25-30 new positions added each month.

- **Student Programs and Services**  
([wef.org/publicinformation/college.aspx](http://wef.org/publicinformation/college.aspx)): Find out about student opportunities such as WEFTEC training, WEF Design Competition, Student Paper Competition, WEF's student chapters, scholarships, and more.
- **Water for People ([waterforpeople.org](http://waterforpeople.org)):** WEF proudly supports Water for People. Find out more about what they do and how you can get involved.
- **WEF Member Association Link**  
([www.wef.org/maresourcecenter](http://www.wef.org/maresourcecenter)): The WEF Member Association Link (MALink is an exclusive electronic mailing list. Subscribers use the forum to post questions and receive advice on topics relevant to association management. Subscribe to MALink free of charge and be a part of a MA Leader community.
- **Work for Water ([workforwater.org](http://workforwater.org)):** On this website, students and job seekers can explore green careers, and utilities will find a clearinghouse of resources for recruiting in the wonderful world of water.

*To apply, download applications for each opportunity at [nywea.org/scholarship/](http://nywea.org/scholarship/)*