NALMS Membership is about …

Greg Arenz, Director of Membership and Marketing | garenz@nalms.org

When I chat with someone who wants to join NALMS, at some point the talk turns to what you can get for the money you give. It’s tempting to list off benefits like LakeLine, Lake and Reservoir Management and discounts.

If membership is just about a magazine, then it’s no different from a tabloid subscription. If it’s just about the discounts, it’s no different from an infomercial that throws in a second set of knives at half price. Yes, members do get those benefits but that’s not what membership is about.

So what is membership about? First, it’s about **connection**.

Long-time members say that they value the connections they’ve made through NALMS most. On the professional side these look like partnerships or info exchanges. NALMS friendships also spark social connections like shared vacations. Whether you come to the conference or engage with our social media, it’s clear that the connections you make in NALMS will be your most lasting membership benefit.

Membership is also about **opportunity**.

NALMS benefits are really just tools you can use to make a better future. As a professional you have the chance to get better, to learn about what works and to boost your profile among your peers. LakeLine isn’t just a magazine. Lake and Reservoir Management isn’t just a journal. They’re rungs as you climb up the professional ladder. Membership also gives you the chance to make healthy lakes and reservoirs a possibility. Will the talk you gave at the Symposium change the world? Perhaps not alone, but it’s your opportunity to move us closer to a world that better manages and protects its water resources.

And finally membership is also about **duty**.

When you join NALMS you join a society. Like most societies this requires your input. Certainly as a member you pay your dues. Membership, however, really goes beyond that. Joining NALMS means you join a mission to foster the management and protection of lakes and reservoirs. Membership is about aiding that mission. You may not be able to serve on the board, write a paper, or volunteer on a program, but you can work to grow NALMS and expand the reach of our programs to your personal network.

NALMS membership isn’t a black and white transaction. It’s much richer and more colorful than that. It is **connection, opportunity** and **duty**.

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**President’s Message**

Reed Green, President | nalmspres1415@gmail.com

**News, News**

Following up on last month’s message, *Keep Your Eyes Open – The 2015 HAB season is approaching,* some good news has just been released by both American Water Works Association (AWWA) and U.S. Environmental Protection Agency (USEPA).

AWWA just released their publication, *A Water Utility Manager’s Guide to Cyanotoxins.* USEPA just issued *health advisory values* that states and utilities can use to protect Americans from elevated levels of algal toxins in drinking water.

Both are must reads. According to AWWA, “toxin-producing cyanobacteria are a growing concern for water utilities that use surface water supplies across the country.” To make informed decisions, water utilities need to understand:

- How, when and why cyanotoxins occur;
- How to determine if they occur in a given water source;
- What management strategies are available to reduce cyanotoxin production; and
- What treatment can prevent cyanotoxins from reaching customers.

The guide provides an overview of current knowledge surrounding these questions. The goal is to have water utilities be able to have a better sense of whether cyanotoxins are a water quality issue and to be prepared for when cyanotoxins do cause water quality problems.

According to USEPA, “Health advisories are not regulations, but provide technical guidance to help state and local officials and managers of water systems protect public health.” They identify concentrations of contaminants above which adverse health effects are possible and provide testing and treatment techniques.

The health advisory values are based on exposure for 10 days, and they recommend 0.3 µg/L for microcystin and 0.7 µg/L for cylindrospermopsin as levels not to be exceeded in drinking water for children younger than school age. For all other ages, the health advisory values for drinking water are 1.6 µg/L for microcystin and 3.0 µg/L for cylindrospermopsin. Briefly exceeding these advisory levels may not indicate an immediate emergency. USEPA does recommend utilities using treatment techniques to lower levels as quickly as possible. USEPA provided some helpful steps to protect the public from algal toxins in drinking water:

- Watch for harmful algal blooms in water bodies used as a drinking water source;
- Monitor source water and drinking water for algal toxins;

Continued on page 3...
Call for Board Nominations

NALMS is seeking candidates that will add diversity and breadth to the Board and its committees. Nominations are being accepted for the following Board positions:

- President-Elect
- Treasurer
- Region 2 Director – New Jersey, New York, Puerto Rico
- Region 6 Director – Arkansas, Louisiana, New Mexico, Oklahoma, Texas and all non-US / non-Canada members
- Region 10 Director – Alaska, Idaho, Oregon, Washington
- Region 12 Director – Alberta, British Columbia, Manitoba, Northwest Territories, Nunavut, Saskatchewan, Yukon
- Student At-large Director – North America and beyond

Visit the NALMS website for details on submitting nominations.

You shop. Amazon gives…to NALMS

You shop on Amazon right? Well now you can help NALMS at the same time with AmazonSmile. When you shop at smile.amazon.com you still get all the same low prices and wide selection you’ve come to expect from Amazon. Only now 0.5% of your purchase price can go to NALMS. The average online order these days hovers around $70. So on average about 35¢ per order could come to NALMS to enhance our programs and further our mission. That may not sound like much but every penny can make a difference. And when you add those pennies up, say, over 1,000 NALMS supporters making two purchases a year, the total comes to $700. Not too shabby. Now imagine those 1,000 supporters got a couple of friends to join in as well. Now we’re rolling at $2,100. You can help us get going by getting set-up today – here’s how:

2. Log into your account or create a new one.
3. Look up and select “North American Lake Management Society” when prompted.
4. Shop until you drop.
5. And don’t forget to tell your friends and family!

President’s Message

... Continued from page 2

- Treat drinking water as necessary to reduce and remove algal toxins; and
- Notify the public when advisory values are exceeded.

I encourage everyone to download these documents and give them a read. A few of our active NALMS members’ publications are referenced in the AWWA document.
North American Lakes: Embracing Their History, Ensuring Their Future

The Call for Abstracts for NALMS 2015 in Saratoga Springs, New York is now out and we are accepting abstracts.

Preliminary session topics include:

- Harmful Algal Blooms – Research and Monitoring
- Citizen Science and Monitoring
- Shoreline Restoration
- Boat Launch Stewardship
- Management & Research: Lake Champlain, Lake George, Finger Lakes, Great Lakes (and other lakes)
- Hydrilla Management
- Invasive Species Control
- Role of Lake Associations in Lake Management
- Stormwater Management
- Lake Management Case Studies
- In-Lake Restoration and Management Techniques
- Internal Loading
- Dam Safety and Lake Management
- Reservoir Management
- International Perspectives on Lake Management
- Winter Road Maintenance and Water Quality

Abstracts are due by May 22, 2015.

NALMS Symposium Sponsorship

Call to Action – seriously consider sponsoring the 35th annual Symposium this year. Our sponsorship levels are listed below. Complete details may be found by clicking here to download the sponsorship packet.

Conference Co-sponsor ($15,000 and above)

Leading Sponsors ($10,000+)

Supporting Sponsors ($5,000+)

Sustaining Sponsors ($2,500+)

Contributing Sponsors ($1,000+)

General Sponsors (Less than $1000)

In Kind Sponsors

Plenary Speaker/Presenter Travel Sponsor

Student Scholarship Silent Auction

In addition to the sponsorship levels listed above please consider donating an item to our silent auction. Bidding takes place during exhibition hours and all proceeds go to student travel scholarships. If you do not have an appropriate product or discount certificate available for the auction please consider bringing along an item or gift basket that would be of interest to our attendees. Items in hand are preferred but a large picture can substitute for any large items or configurable items that you are willing to ship to the winner.

Saratoga Springs, New York Trivia:

en.wikipedia.org/wiki/Skidmore_College

Skidmore College started in 1911 as an all-women’s college in Saratoga Springs. The campus was first located in downtown but then moved in 1961 to the outer edges of town. It wasn’t until 1971 when the college started admitting men to its regular undergraduate program. Skidmore College has about 2,500 students enrolled pursuing 60 plus different degrees in Bachelor of Arts or Bachelor of Science.
New Hampshire 2015 Lake Congress
May 28 – 29, 2015 • Meredith, New Hampshire
nhlakes.org/events/lakes-congress/

New England Chapter of NALMS (NEC-NALMS) Annual Conference
May 29 – 30, 2015 • Burlington, Vermont
sites.google.com/site/necnalms/

Florida Lake Management Society 26th Annual Technical Symposium
June 8 – 11, 2015 • Naples, Florida
www.flms.net

Aquatic Plant Management Society 2015 Annual Meeting
July 12 – 15, 2015 • Myrtle Beach, South Carolina
apms.org/annual-meeting/2015-annual-meeting/

American Fisheries Society 145th Annual Meeting
August 16 – 20, 2015 • Portland, Oregon
2015.fisheries.org

Aquatic Plants 2015: 14th International Symposium on Aquatic Plants
September 14 – 18, 2015 • Edinburgh, Scotland
sites.google.com/site/aquaticplants2015/

Annual Oregon Lakes Association Conference
October 3, 2015 • Klamath Falls, Oregon
www.oregonlakes.org

2015 Washington Lake Protection Association (WALPA) Conference
October 26 – 28, 2015 • Walla Walla, Washington
www.walpa.org/annual-conference/

NALMS Affiliate Organizations

Do You Have a Conference or Workshop You’d Like to See Listed in NALMS Notes?
Email the details to us at NALMSNotes@nalms.org.

News from Our Affiliates

What are NALMS affiliates up to these days? State and provincial lake management groups do fun things. Let NALMS and others know what you are up to. You spend a large amount of volunteer time to put on great events, might as well share them.

Indiana Lake Management Society (ILMS)
The Indiana Lake Management Society (ILMS) was incorporated in 1991. For the past 24 years, ILMS has been protecting and saving lakes across Indiana in a number of ways including: workshops, legislative work groups, offering grants and student scholarships, annual conferences, and providing a wide variety of information on lake, shoreline, and watershed management topics. Their two-day annual conference is a great state wide event each year that brings in vendors, lake managers and lake users from all over the state. The 27th annual conference was held on March 5 – 6 this year.

National Water Quality Monitoring Council Newsletter Out

The Council just released the tenth edition of their online newsletter National Water Monitoring News. To see a copy of the newsletter, go to acwi.gov/monitoring/newsletter/index.html.

This edition highlights many events, activities and new products. Among the topics included:

• Release of the National Network of Reference Watersheds website
• Success stories of multiple monitoring programs
• Highlights of various volunteer monitoring networks
• New tools for visualizing and evaluating water quality data
• Announcements about newly released publications and upcoming conferences

Have you submitted your abstract for NALMS 2015?
The deadline is May 22.
150 Years of Secchi Dipping

April 20 marked the 150th anniversary of the first Secchi dip.

Father Pietro Angelo Secchi, scientific adviser to the Pope, was asked by Commander Cialdi, head of the Papal Navy, to test a new transparency instrument. This instrument, now named after Father Secchi, was first lowered from the papal steam yacht, l’Immacolata Concezione, in the Mediterranean Sea on April 20, 1865.

The UW-Madison Center for Limnology has a nice post on their website commemorating the anniversary and the man who started it all.

2015 Secchi Dip-In – Viewing Scope vs. Shady Side of Boat

How do you take your water clarity reading, with a viewing scope on the sunny side or no scope on the shady side?

Either way, you can record your procedures in the Secchi Dip-In event this July. If you do use a scope, you can use it on the sunny side of the boat. The point of the scope is to reduce the surface glare. If you don’t use a view scope, then make sure you are taking the reading with the sun to your back, on the shady side of the boat. If you have the pleasure to be recording deeper water clarity, then a scope might be a good idea. You can get very different results. A viewing scope can help with concentrating on a shrinking disk as you lower it. Just make sure that you are consistent and follow the same method each time.

NALMS sends out Secchi Dip-In Press Release

NALMS encourages its members to use this press release in their communities to spread the word about the 2015 Secchi Dip-In. Put it in your local newspapers, put it in your newsletters, or even try one of your local network news stations. Many news stations now rely on citizen based weather data and might include this as part of their program to reach out to the community.

Find the Dip-In on the Web

WhatPond Donates Secchi Disks to the 22nd Annual Dip-In

WhatPond, a leading provider of pond information and tools, is giving back with a donation of ten Compact Secchi Disks to the Secchi Dip-in. WhatPond’s Compact Secchi Disks feature a unique foldable design. This feature will make it easier for NALMS to ship to volunteers who don’t have a disk of their own.

“One of our goals at WhatPond is to provide information to help manage your waterbody,” says founder Darrell Rhodes. “Secchi disks are great tools for monitoring water quality, and it fits well with WhatPond’s mission to support the Secchi Dip-in.”

WhatPond offers information, products and tools to help build and manage ponds without the use of chemicals. The WhatPond website offers a free membership where pond owners can take advantage of e-books and videos related to pond building and management.

You Decide

Read this item and then decide for yourself what you think about it. What would you do to stop the fish kills? Would you like to be the lake manager for this lake? If you were hosting the Olympics on your lake, do you think you would do anything differently?

Source: USA Today

Read the article and give it some thought. Was it thermal shock, saltwater input or the impacts from wastewater that killed the fish? Can this problem be fixed before the next Olympics? Should it be fixed? Maybe a fish kill during rowing events will put a spotlight on the need to improve water quality around the world.
**Nice Work Oklahoma**

Source: High Plains Journal


Oklahoma ranks second among the states for protecting waterways from harmful nutrients according to new EPA data. This is the sixth year in a row Oklahoma has ranked in the top five states for nonpoint source pollution reductions. Oklahoma ranks second for phosphorus reduction (358,469 pounds) and third for nitrogen reduction (856,906 pounds) to streams.

**Lake Michigan in a Spring Clearing Phase**

Source: Smithsonian.com


People are noticing that the clear waters in Lake Michigan are allowing for good spotting of old shipwrecks. The U.S. Coast Guard Air Station noted the clear water conditions and several lost ships during a routine patrol over the lake. The Michigan Department of Environmental Quality estimates 1,500 vessels were lost in Lake Michigan. Follow the link to see the amazing images.

**Carp Removal in Utah Lake**

Source: Deseret News


17 million pounds of carp have been removed from Utah Lake and that is just the half-way point. The goal is to remove 75% of the carp population in Utah Lake to help restore a healthy native fish population. About 20,000 to 60,000 pounds of carp are removed daily. The fish is either turned into compost or sold to mink farms. The carp removal project should be completed in 2018.

**Website of the Month**

realscientists.org/about-realscientists/

Real science from scientists, science communications, writers, artists and clinicians.

Maybe a limnologist or a Certified Lake Manager can be the next week-long curator for this Twitter communication site.

**12 Dams over the Next 12 Months**

Source: Weather.com


Dams illustrate both the brilliance and arrogance of human ingenuity. They generate one-sixth of the world’s electricity and irrigate one-seventh of our food crops. Combined they cover a land area the size of California. One dam will be highlighted each month in 2015. There are about 57,000 large dams world-wide but that would take 4,750 years to highlight.

**Netherlands North Sea Protection Works (Netherlands)**

Dikes, dams and floodgates have been a fact of life for the Dutch and their ancestors for more than 2,000 years. Like New Orleans, much of the Netherlands lies below sea level (and is sinking still further).

The North Sea Protection Works is actually two projects: the first, a 19-mile-long dam called the Afsluitdijk (for “Closing Dike”), was built between 1927 and 1932 to enclose the tidal inlet known as the Zuiderzee, which was reclaimed for farmland. The larger, second phase followed the North Sea flood of 1953, which killed more than 1,800 people in the southwestern part of the country. Today the sophisticated series of dams, sluices and moveable storm surge barriers known as the Delta Works protects the area where the Meuse and Rhine Rivers fan out into a delta.

Work has continued over the years since then, including projects like the moveable Oosterschelde barrier, made up of more than 60 concrete piers, each of which weighs some 18,000 tons and supports gates estimated at 300 to 500 tons each. In terms of its complexity, the system has been compared to building the Great Wall of China.

**Do you have an item you’d like to see in NALMS Notes?**

Send it to us by the last Friday of each month to be considered for inclusion in the following month’s issue.
Welcome New Members!

Beaver Watershed Alliance
William Cumbie
Peter Kaye
Brad Rodgers

Dian Smith
Eric Smith
Bill Strickland
Honghua Zhou

Thank You to Our Renewing Members!

James Boswell
Luis Bravo-Inclan
Nicolas Clercin
John Derksen
Reed Green, CLP
Reynaldo Gumucio, CLM

John Hanish, Jr.
Michael Little
North Carolina Lake Management Society
Clayton Penniman
Joe Vondruska

Update Your Contact Information

NALMS members can now go online to correct their own contact information and are encouraged to do so. Please tell your friends and colleagues who are NALMS members to check and update their records. If they are not getting LakeLine, Lake and Reservoir Management or NALMS Notes something is wrong. If they don't have access to fix their own contact info, they can call the NALMS office at 608.233.2836 or email Greg Arenz at garenz@nalms.org to make changes. This goes for postal service mail as well.

Lake Photo of the Month

Chilly Lake under the stars - Panorama by Dave Soldano Images.
Little Lake near Buena Vista, Colorado

Dave has prints of this image available for purchase at fineartamerica.com/featured/chilly-lake-under-the-stars-david-soldano.html

To be considered for NALMS’ Lake Photo of the Month please submit your photo to the North American Lake Management Society (NALMS) Flickr Group. Photos should focus on the lake and be geotagged or include the name or location of the lake in the title, description or tags of the photo.