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Welcome New Members!

Thank You to Our Renewing Members!

What to Expect from NALMS in 2014

Terry McNabb, President | tmcnabb@aquatechnex.com

As we all get our lives and businesses/programs organized for 2014, those of us on the Board along with the NALMS Headquarters Staff are also gearing up for a great year. 2014 is going to be fun and challenging. We are focusing on reinvigorating committee work, we are hosting two major conferences, and we are launching an initiative to diversify our Society’s income.

At our last Board meeting, the group committed to using the committee structure we have to implement the Strategic Plan that was developed and approved at that meeting. This plan lays out the steps that should lead to growth and provide a multitude of benefits for our Society’s members. On adoption, this plan turns into a “to do” list for the next few years. We assigned each task to the relevant committee. We also insured that three board members are assigned to each committee to help focus direction and report progress back to the Board. We’d really like to see members sign up and get involved with this effort. It is not too time consuming and working with peers in our field will both help our Society move forward and help you forge new relationships through that work. Please contact one of us, and get involved with one of the committees. Go to our web site and there is a link on the front page to help you get involved.

Our headquarters staff and local arrangements committee are diving into the upcoming National Water Quality Monitoring Conference that we host in a few short months. This meeting will be held in Cincinnati, April 28th through May 2nd at the Duke Energy Conference Center. You can get more information from the front page at www.nalms.org. We host this meeting every other year, and it’s a great opportunity to get together and learn what’s new and how people are accomplishing this important work.

Your Board will be getting together the weekend prior to the Water Quality Conference for our annual mid-year meeting. This day is spent focusing on the needs of our Society and making decisions critical to achieving our mission. Any concerns you have or things you think should be a focus of NALMS are welcomed. Go to our web site and find the contact information for your region’s board member and get involved!

Our year is going to be capped off this fall in Tampa, Florida. The Annual NALMS meeting will be co-hosted with the Florida Lake Management Society. I, personally, am looking forward to this meeting. It’s been a while since I worked in Florida, and I am excited to hear talks about a State with some important lakes. There should be plenty to learn there.

Continued on page 5 ...
Piggy backing on the theme of getting organized for 2014 in the Cover Story, I see a number of new challenges ahead this year.

Working the West, water is always a challenge. It mostly comes from somewhere else. When I first moved here 30 years ago, one of the first things I was told is California is the only place in the world where water flows uphill toward money.

I’ve had the chance to fly up and down the West Coast a few times in the past two months (including today as I write this) and my eyes confirm what the news tells us. There isn’t really any snow in the mountains. All of the western states have elaborate systems that capture runoff or snowmelt; it then produces hydro-power, feeds the world and keeps cities like L.A. alive. There will be much less of that this year. As lake managers, this poses a great challenge. Nutrients get concentrated in what water is left, power costs increase, and habitat can suffer. In fact, one of the larger challenges lake managers are going to face this year is protecting exposed towns and artifacts that have been flooded in reservoirs for decades (http://www.recordnet.com/apps/pbcs.dll/article?AID=/20140124/A_NEWS/401240311/-1/A_NEWS14).

We just bumped into our first case of Golden Algae. This species has been problematic in Texas through Arizona in the past few years. For the first time, we have seen it in California. This form of algae produces toxins fatal to fish. During bloom conditions, Golden Algae can excrete a toxin that stops the transfer of oxygen across fish gills and can cause massive fish kills. Luckily, we have good relationships with people that have been studying and combating this for a number of years.

Flowering Rush is also on the move in areas we work and manage. This invasive plant is altering habitat and posing a threat to water resources throughout the headwaters of the Columbia River. This may be the year we find it in the main stream of the Columbia. This is one more thing for salmon to worry about as they come and go from the sea as they have for thousands of years.

These relationships are a product of membership in groups like NALMS. Membership gives us much more than an opportunity to travel and attend symposiums or read LakeLine and Lake and Reservoir Management. It gives us the opportunity to form friendships and professional relationships and share expertise when necessary. I think these relationships are one of the most important things our Society can forge. Make 2014 the year you meet some new people through the opportunities in Cincinnati and Tampa, you never know when it might really help you in your efforts to deal with threats to our lakes and reservoirs. You also never know when something you know might benefit your colleagues.
Ah, January! A time for new beginnings ... and snow, polar vortexes, artic blasts, oh my! At this point in the year I typically begin to wonder about my sanity for choosing to live in Wisconsin but this year I feel as though my head has frozen into a sort of brain-popsicle and I’m unable to wonder anymore.

I’ve been trying to warm up by working through the “Naughty List” from our 2013 Winter renewal period. Last month I mentioned that we had 108 members that needed to renew before the end of the year. We still have 74 members that need to renew from this group. I’m betting that, like me, an arctic blast froze these folks solid and they are unable get their renewals in. Hopefully we’ll get a snap of warmer weather soon that melts these members just enough to allow them to send their renewals into the office or renew online. Until that happens I’ll look into whether NALMS has the budget to send blankets with our next renewal reminder coming soon.

As promised last month I’ve also sent out early renewal invoices to our members whose memberships expire on March 31st. Unfortunately our office printer threw its toner in the air in exasperation and finally decided to put in its letter of resignation. As such I sent these invoices by email instead of mail. Typically we get our best response from our first mailed membership campaign so this will be a good test of whether we can achieve similar results through email and reduce our paper use that much more.

Finally, I’ve received a few scattered reports of difficulty using the online membership registration system. I’m working with our website company to identify and resolve any issues. In the meantime if you have any trouble renewing your membership you can try the following:

- Show the website who is boss! Assert your dominance over the website by requesting a new password at the top of the homepage and trying again.
- Be a smooth operator and phone your membership payment in at 608.233.2836.
- Retro is in! Go “old school” and mail your membership in at NALMS, PO Box 5443, Madison, WI 53705.
- Lastly, there is no shame in crying “Uncle!” Email me (garenz@nalms.org) and let me know what internet browser you are using, the version, and the specific issue you encountered. I’ll commiserate with you and then pass your info along to our website company.

Stay warm out there folks!

**NALMS Office Notes**

January ended up being a pretty hectic month in the NALMS Office. The shutdown of the federal government in October hampered planning for this spring’s National Monitoring Conference, which is facilitated by NALMS. Now that the government’s open again for the moment (debt ceiling?) NALMS and the organizing committee has been scrambling to finalize the program and open registration. Registration is now open and a preliminary program is nearly ready for posting.

We’re also working to get the Call for Abstracts for the next NALMS symposium ready and in your email inbox as soon as possible. This year’s symposium will be in Tampa, Florida and is being hosted by the Florida Lake Management Society.

We don’t just work on conferences here in the office, though sometimes it seems that way. We just spent 2 days with our accountants as they performed the field work portion of our annual audit. The audit is an important tool in guiding the organization’s financial processes and reporting. The accountants perform an audit to make sure that our processes conform to generally accepted accounting principles, both in terms of record keeping and entering the data in our accounting system here in the office, but also in terms of management (NALMS Board) oversight of the overall financial operations of the Society. They also give us guidance on how we can improve our systems, if necessary, and how to handle issues we may not have had to consider in the past, such as tracking long-term investments.

January may be at an end, but little o’ February promises to be just as busy. I just hope it’s warmer!
Join us on the banks of the Ohio River in 2014!

Registration is now open for the 9th National Monitoring Conference which will be held the week of April 28 – May 2, 2014 in Cincinnati, Ohio at the Duke Energy Convention Center. This biennial conference is the place to be to mingle with your fellow water-quality monitoring professionals! The conference is a showcase for new findings on the quality of the Nation’s waters. You’ll also learn about the newest innovations and cutting-edge tools in water-quality monitoring, assessment, and reporting; and have a great time doing it.

We’ll have numerous influential speakers, hundreds of presentations and exhibits, and dozens of workshops and field trips to choose from. There are also other events to participate in such as in the “Fluid 5K” Run fundraiser.

To find out more about the conference or to register, visit the conference website.

We hope you join us in Cincinnati!

Indiana Lakes Management Conference
March 20–21, 2014
ILMS will be having their 26th annual conference in Bloomington, Ind. For more information, go to www.indianalakes.org.

Southeastern Lake Management Conference
March 26–28, 2014
Hosted by the North Carolina Lake Management Society, the 23rd annual conference will be in Asheville, N.C. For more information, go to www.nclakemanagement.org.

2014 WAPMS Conference Information
March 30 – April 2, 2014
The 33rd Annual Western Aquatic Plant Management Society conference will be held at the Peppermill Resort in Reno, Nev. Visit their Conference Info page at wapms.org for more information on registering, submitting titles and abstracts, and hotel reservations.

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Follow us on Google+
Join our LinkedIn group
Follow us on Twitter
What to Expect from NALMS in 2014

One of the focuses of our work for the year will be to start looking at ways to diversify the income of the Society. Presently, the bulk of our funding comes from putting on a successful annual meeting that people find valuable and interesting. It used to be that was enough. The past few years have seen dramatic cuts to funding for travel for many members however. Last year’s meeting in San Diego was held in the wake of the federal government shut down. While we see the annual meeting as a critical function of our Society, we will be looking at other ways to bring value to our membership.

Lastly, we encourage you to remain engaged through the year. Give a look to when your membership expires and get that behind you. Think about articles you might offer for this newsletter or our other publications, every one of us is doing something that might be of interest to someone else. Gear up for Cincinnati and Tampa, those will be fun events. You won’t want to miss them.

Winter Lake Sampling

We all enjoy the warmth of the sun and calm open waters during the summer season for lake sampling. Winter time can also be just as enjoyable for lake monitoring. Even though the ice looks dormant, it is good to collect water quality data during the cold, winter months. Dissolved oxygen and temperature profiles tell you what is going on under the ice. Water clarity can be amazingly clear even with a foot of snow on ten inches of ice. Just be safe about it.

New Issue of LakeLine Magazine: Coastal Lakes

The latest issue of LakeLine Magazine, titled Coastal Lakes, is now available. This issue of LakeLine features the following theme articles:

- Fresh, Salt, or Brackish: Managing Water Quality in a Coastal Massachusetts Pond by Eduard Eichner
- The Coastal Lagoons of Southern Rhode Island by Elise Torello and Rhonda Smith
- Climatic Influence on the Hydrology of Florida’s Coastal Dune Lakes by Antonio Yaquian and James W. Jawitz
- Tenmile Lake: Life and Limnology on the Oregon Coast by Joe Eilers
- Cleawox Lake, Oregon: The Coastal Sands of Cultural Omission by Douglas W. Larson
- Nitinat Lake – A British Columbia Tidal Lake by Rick Nordin
- Student Corner: Saline Systems in Austria by Victoria Chraïbi

All NALMS members receive a copy of LakeLine Magazine as part of their membership. If you’re not a NALMS member or would like additional copies, please contact the NALMS Office at 608 233 2836.

Super Bowl – Who Will Win?

Seahawks vs Broncos. How many ways can you relate this game to lakes? Some examples: A seahawk is another name for osprey and we all know how much ospreys rely on healthy lakes. A bronco is an untrained horse that habitually bucks. They can be a feral horse that lives in the wild or a domestic horse. Either way, a bronco clearly needs safe, clean drinking water that most likely comes from a lake. How much beer will fans and spectators consume during the game? Clearly the signs and t-shirts that say, “save water, drink beer” don’t know the brewing process and that it takes quite a bit of lake water to produce all that beer. In reality, you save water by drinking water. Just some thoughts to think about during the game.
**Lake News & Information**

**How Mass-produced Meat turned Phosphorus into Pollution**

Source: National Public Radio

www.npr.org/blogs/thesalt/2014/01/02/257393870/how-mass-produced-meat-turned-phosphorus-into-pollution

National Public Radio did a great story on phosphorus and agriculture. These two topics go hand in hand and are often talked about when dealing with lake eutrophication. Farmers needing nutrients to grow crops often used animal waste from local animal farms. Local ranchers needed feed to grow animals so both were in a balance. Then came along industrial fertilizer after World War II. Mining of phosphorus to make inorganic fertilizers for farmers quickly took over as the new way to fertilizer your crops. Then regions of the country started specializing in just one crop or just one animal production. So areas like Georgia, Alabama, and Arkansas produce more than a billion chickens annual and have a large volume of animal waste to deal with. Other regions become specialized in growing just one kind of feed so they need to use inorganic fertilizer to keep up with the demand and to replace the missing localized animal waste. In all this shuffling of crops, feed, and animals, phosphorus is quickly lost to the water ways that lead to our lakes and reservoirs.

**No Shortage of Ice this Winter**

Source: WZZM13.com


Because of the artic vortex that covered the Great Lakes region, lakes are seeing more ice coverage this year. With more ice on the Great Lake, there will be less evaporation and higher water levels. Another benefit to some people is that ice cover reduces cloud formations and lake snow effect. The ice is causing some troubles with shipping cargo to areas around the Great Lakes. Follow the link to find out more on this topic.

**Severe California Drought**

Source: The Weather Channel

www.weather.com/news/stunning-photos-californias-lakes-depleted-extreme-drought-20140123?hootPostID=7b123d008a27a0add03076a0ca2d2ad1

Back into a dry cycle the west coast goes. According to the U.S. Drought Monitor, 67% of California is in an extreme drought. That means lakes and reservoirs are low and will most likely not fill during the spring snowmelt. It is clear that weather plays a critical role in how our lakes and reservoirs look from year to year. Whether it is severe artic blasts or severe droughts, lakes and reservoirs are impacted.

**Procter & Gamble will Stop using Phosphorus World Wide**

Source: TriplePundit

www.triplepundit.com/2014/01/procter-gamble-commits-removing-phosphates-laundry-detergents/

In the next two years, the largest manufacture of detergents will go phosphorus free around the world. It just seems like yesterday, that large manufacturers were fighting hard to keep phosphorus in their detergents when the Great Lake states push the phosphorus detergent bans. Now all brands made by Procter & Gamble will be phosphorus free everywhere. There has been a ban in the U.S. since 1993 thanks to many active NALMS members over the years. Now this will be applied around the world to help curb eutrophication in 70 different countries, reaching close to 4.8 billion detergent users.

**You Decide: Do Little Lakes Follow the Same Trends as Big Lakes?**

Source: Nature World News

www.natureworldnews.com/articles/5775/20140125/10-year-water-cycle-trend-identified-wisconsin-lakes.htm

What do you think? How can a small lake have the same water elevation changes as Lake Michigan? Read the article and see if you agree with their theory.

**Website of the Month**

www.sourcewatercollaborative.org/swp-conservation-partners-toolkit/

The Source Water Collaborative Toolkit, “Protecting Drinking Water Sources through Agricultural Conservation,” is available online. The toolkit is an introduction to working with the nation’s Soil and Water Conservation Districts. Conservation districts are a trusted resource within the agricultural community and an important partner for water systems and other stakeholders advancing source water protection efforts that impact state and local agricultural communities.
Welcome New Members!

Ahmed Al-Taani
Brad Barber
Lisa Bass

Sunil Nanda
Darcie Quamme
Eric Schutman

Carol Shobbrook
Ken Walden

Thank You to Our Renewing Members!

Aquarius Systems
Timothy Asplund
Shane Bowe
Shannon Brattebo
Dan Brill
Greg Bugbee
John Burrell
Bev Clark
Don Glover
Steven Danzer
SePRO Corporation
Rideau Valley Conservation Authority
Thomas Davis
Deanna Doohaluk
Jim Dugan
Marlene Evans
Vicki Faulkner
Martin Firth
N. Stan Geiger
James Grabowski

Marta Griffith
Elisabeth Harrahy
Christine Hawley
Steven Heiskary
Peter Huppensteil
Richard Howard
Dave Jensen
James Johnson
George Knoecklein
Richard Koch
Diane Lauritsen
Mark Lewandowski
Ken Madison
John Madsen
James Martin
Lance McAvoy
Paul McGinley
Sue Miller
Ed Nishikawa

James Palmer
Beth Proctor
Stephen Randtke
Rideau Valley Conservation Authority
John Rueter
James Saunders
Elizabeth Scheessele
Jeffrey Schloss
Casey Schoenebeck
Greg Searle
SePRO Corporation
Naomi Slagowski
Daniel Smith
David Soballe
Patricia Soranno
Dale Toetz
Scott Van Egeren
Susan Wilde
Keith Williams
Dennis Zimmerman

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
Lake Wingra 07-28-2013 020 by Richard Hurd

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.