President’s Message – Reflections

This month is really busy, and I can’t think of a good title to tease you into reading my monthly newsletter article so I stole this title from the next LakeLine Magazine that will be out soon. Using this title should help to entice you into reading the next LakeLine Magazine, which Editor William Jones informed me is the best one he has ever helped produce. This is high praise from a man having so many years producing LakeLine under his belt. I do not want to spoil anything, but this issue of LakeLine Magazine reflects on the science of lake management, history of careers in lake science, history of lake science in general, the history of the North American Lake Management Society, and much more. Please give it a read, enjoy it, and pass it on to someone outside of NALMS who may be interested in lakes and reservoirs so that they will be encouraged to become a part of NALMS.

NALMS turns 30 years old this year making this the perfect time for reflections. The first reflection I will share is that I am glad that there are no oceans in Oklahoma for this year’s annual symposium. Without oceans we cannot celebrate 30 years by having a banquet complete with dancing and gambling - 12 miles offshore in seven foot seas! This was how we celebrated our 20th anniversary in Florida and if I remember correctly about 75% of the NALMS faithful were rendered helpless until reaching “terra firma.” This is an amusing story for those of us that were not afflicted with the sickness often prefixed by “sea” and hopefully enough time has pasted for the other 75% to at least appreciate this reflection. There are many other great reflections that NALMS members can share when we all get together, but we also need to reflect individually on what originally engaged us with lake management and forward from there to become a member of the NALMS “Society.”

The Webster New World College Dictionary has eight individual definitions for a society, but the one that best fits NALMS is “Any organized group of people joined together because of work, interests, etc.” I believe that all members belong to NALMS because they work and/or play on lakes and reservoirs and have a desire to protect them for future generations. The founding members of NALMS had a vision to organize professionals and laypersons not only to research lakes and reservoirs but also to use this information gained to help manage them. A lot has changed in the last thirty years but has NALMS kept up with these changes? I had a disturbing conversation with a NALMS member at last year’s annual symposium in Hartford who thought that NALMS was stagnant - not moving forward with the times but staying reflective in the past. I disagreed with most of his comments because I realize the strength of the cutting edge information that is provided by our Journal, Magazine, and Symposium, but I still could not dismiss our lack of growth and development when it comes to new programs. I hope this member understands that the leadership
of NALMS is striving to bring new members and ideas into our “society” to help build a strong future in lake management.

I now have gray hair and have been involved in enough professional and volunteer activities to know that it is easy to throw stones but more difficult to put in the effort required to help develop activities and programs based on proactive ideas. So...I am asking all NALMS members to reflect on those things that brought them into the society and use the positive nature of these reflections to help bring us into the future. There are too many members to list that have proactively helped NALMS. However, I have recently watched the following individuals set great examples, and I have to share these examples with the membership:

1) After the annual symposium in Hartford this year, the New England Chapter of the North American Lake Management Society NEC-NALMS was entitled to 10% of the net proceeds, which was approximately $6,000. The leadership of this group decided to give NALMS $2,000 and use additional money to give each of the 6 NEC states 3 professional NALMS memberships – 1 for their statewide lake association president, one for their state environmental agency, and 1 for a volunteer monitor - a total of 18 memberships!

2) Linda Green and the University of Rhode Island Watershed Watch program gave six Lake Leader memberships to individuals working on lake management activities.

3) Terry McNabb from AquaTechnex, San Francisco, CA gave Lake Leader memberships to approximately 15 clients as a Christmas gifts. This sounds like a Corporate Challenge to me!!!

4) Similarly, William Jones gives all of his students a graduation gift of a NALMS Professional Membership. This act needs to be followed by all faculty in the NALMS membership to inject some youth into our society.

5) In my last newsletter article I asked for folks to step up and help buy the NALMS office a badly needed printer/scanner, and I am glad to say that thanks to the following people and association the scanner/printer has been purchased: Tom Conry - $100, Bev Clark - $100, VLWA - $250, Robert Morgan - $50, Holly Waterfield - $50, Amy Smagula - $50 and the big hammer by Doug Ball - $400. My Thanks to everyone!

Let us all follow these exemplary actions and go beyond suggesting things that NALMS should be doing. Pick up your tools and build positive initiatives for NALMS.

Thanks,

Mark Hoyer
President, NALMS


**WITHIN NALMS**

**Membership in Motion - Sarah Unz**

Thank you to all members who renewed their membership during the March renewal period. If you have not yet renewed, please consider doing so online! It saves us time and money. Simply go to [www.nalms.org](http://www.nalms.org) and click on Join Now! Or, login first so our system will automatically recognize you when you click “Join Now!” If online payments are not your thing, checks or money orders made payable to NALMS can be sent either to the office directly or to the NALMS P.O. box. If you have questions about your membership or are not sure when to renew, please do not hesitate to contact me.

In other news, our new printer/fax machine/scanner has arrived! Philip and I would like to thank everyone who helped make this happen. It will make our day to day operations so much more efficient. It will also free up some space in our work area. Thank you again to everyone who helped out.

The LakeLine Spring issue is on its way to your mailbox and as Mark mentioned above, it is a very special issue. Because of this, we would like to announce a discount on the purchase of additional copies of this issue to all NALMS affiliate and nonprofit members. This issue will be available to you at a price of just $3.00! Shipping and handling charges will apply to all orders. We are unable to process online orders with this special discount, so if you are interested in ordering additional copies, please email me at slunz@nalms.org.

We are currently looking for a few summer interns at the office. Sadly, our current interns will not be able to continue on with us over the summer. If you know a college student in the Madison area who is looking for an opportunity to build a resume and gain some office experience, please pass on my contact information.

We have only two weeks left before the National Water Quality Monitoring Conference in Denver. We have had a great response to the conference, and it is shaping up to be an event not to be missed. We still have a few registration spots open, but we may not for too much longer. If you are considering attending, please register now. We also have a few exhibitor spots open, but not many, so anyone on the exhibiting fence should contact Philip immediately. If you are attending, please stop by the registration desk and say hello!

As always, if you have any questions or concerns about your membership, please give me a call at 608-233-2836.

Take care,

Sarah
Membership Services Coordinator
Lakeline Request for Affiliates to Send in Updates
Bill Jones is encouraging any NALMS Affiliate to send him an update of their activities that he will publish in the Summer LakeLine. Please send a brief article along with any relevant and high-quality images or graphics to: joneswi@indiana.edu. Bill would like to receive submissions by April 15 to meet the deadline for the summer issue.

UPCOMING CONFERENCES & EVENTS

2010 NALMS Southeastern Lakes Management Conference
Hosted by NCLMS in Winston-Salem, NC – Managing Extremes: Watersheds and Climate Disruptions

The 19th Annual Southeastern Lakes Management Conference is coming up soon! Join us at the Hawthorne Inn and Conference Center in downtown Winston-Salem, NC May 4-7, 2010 for another great conference and also to enjoy the regional attractions and network with others in lake and watershed management. We will examine extreme weather and water quality strategies and other lake and watershed issues.

The conference is centrally located in North Carolina and accessible by I-40, I-85 and I-75 with excellent regional airport connections at the Piedmont Triad Regional Airport, serving the greater Greensboro, Winston-Salem, and High Point (Triad) area of North Carolina.

Full day workshops offered on May 4th:
- Man vs Stats – A Survival Guide for the Statistical Wilderness by Dr. Dennis Helsel (Practical Stats)
- Taxonomy and Ecology of Algae by Dr. Linda Ehrlich (Spirogyra Diversified) and Dr. JoAnn Burkholder (NCSU).

Half day workshops offered the morning of May 5th:
- Life and Death for Lakes, Basic Properties and Processes by Dr. John Hains (Clemson University)
- Stream Restoration Walking Tour led by Darrell Westmoreland (North State Environmental)

Space for the workshops is limited so register soon!

The Conference opening plenary session is at 1:30 PM on Wednesday, May 5 with a talk by Linda Rimer, US EPA on Climate Change. Jason Ortegren will give a talk entitled Perspectives on Drought in the Southeastern U.S.: Past, Present...and Future? as the highlighted speaker for the luncheon on Thursday, May 6.
Concurrent sessions from Wednesday afternoon through Friday noon will cover a multitude of subjects that reflect the broad range of issues affecting lakes and watersheds in the Southeast. Topics in the sessions include – Drought and Flood management, Water Conservation, Water Quality, Storm Water Management, Stream and Watershed Restoration, Water Supply Issues, Climate Change Initiatives, Invasive Species and other important issues.

Full conference registration fee is now $200 with a daily rate of $125. (NALMS members may still register at a reduced rate, contact Barbara Wiggins at bswiggins@bellsouth.net or 828-254-5644 for details.) Student rates will also be available as in past SE conferences. Additional workshop and conference registration information and registration forms can be found on the NCLMS website at http://nclakemanagement.org/conferences/SE19/index.html. For exhibitor registration information, contact Cary Martin at cary.martin@aquacomment.com.

Good News! The discounted conference rate of $77 per night for the Hawthorne Inn and Conference Center has been extended through Tuesday, April 13, 2010. Complimentary breakfast is included with the room. Reservations can be made by calling 800 972-3774 and ask for the NC Lake Management Conference block or online @ www.hawthorneinn.com code 26D4ES.

Our thanks to our sponsors, including Duke Energy, Georgia Power, TVA, NC Department of Environment and Natural Resources, Peroxylene Solutions, and YSI.

If you have questions relevant to the program, please contact Conference Co-Chairs: Dave Buetow (704-336-3983), david.buetow@mecklenburgcountync.gov or Jef Morgan (336-707-1829) jmorgan10@triad.rr.com.

NYS Federation of Lake Associations, Inc. Annual Conference
"Celebrating 25 Years of Volunteer Monitoring"

We hope NALMS members will feel free to join us as we celebrate the 25th anniversary of New York's Citizens Statewide Lake Assessment Program and delve into a wide variety of lake-related topics. The conference will be held between April 30 and May 2, 2010 at the White Eagle Conference Center in Hamilton, NY. For more information and registration information, go to www.nysfola.org.

AFILIATE TALK

To foster better communication amongst the diverse group of NALMS Affiliates, this section will feature a monthly topic or question which may be of interest to many affiliates. The goal is to help affiliate groups learn from each other, be more efficient with their time and resources, and better manage their lakes and reservoirs.

Temperature Profiles: This question comes from Howard Webb. He is looking into deploying an array of temperature monitors in a lake to look at turn-over issues. They are starting with a small lake but may eventually do something in some of the Missouri reservoirs. He was wondering if any one has experience (or knows someone who has) with:
• Lake temperature monitoring (daily or hourly) in general
• iButton Thermochron - what we are looking into using as a temperature logger
• Other temperature loggers
• Buoys: Requirements and issues with the Army Corp and deploying in navigation waters, labeling (both issues of durability and possible required/helpful information), problems with vandalism, and problems of overwintering, ice damage, and ice drift.

If you can help Howard with this topic please e-mail him at webb.howard@gmail.com.

Affiliate Websites – Check out this one
A great way to see what other affiliates are doing is to check out their websites and see what they are up to.

Nebraska Lakes Association (NLA) – www.nebraskalakes.org. This affiliate site is geared for private lake associations but also provides links to public lakes. It is a clean website that is updated with 2010 events and meetings.

LAKE NEWS & INFORMATION

Administrator Jackson Unveils Great Lakes Restoration Initiative
Action Plan
U.S. EPA Administrator Lisa Jackson has released an action plan to guide the Obama Administration's historic efforts to restore the Great Lakes. The action plan lays out the most urgent threats facing the Great Lakes and sets out goals, objectives and key actions over the next five years to help restore the lakes. The action plan directs aggressive action under five priority "focus areas" the task force has identified as vital for restoring the Great Lakes. They are:

• Protection and cleanup of the most polluted areas in the lakes
• Combat invasive species
• Protection of high priority watersheds and reduced runoff from urban, suburban and agricultural sources
• Restoration of wetlands and other habitats
• Implementation of accountability measures, learning initiatives, outreach and strategic partnerships

More can be found at http://greatlakesrestoration.us.

National Lakes Appreciation Month
Start your planning now. July will be here before you can dust off your canoe. This annual event is a great opportunity to bring some needed attention to your favorite lakes and reservoirs. It is a good idea to start your planning efforts now in order to organize a big event where lots of people can come out and enjoy a lake. Many states declare the month of July as some kind of official state recognition for lakes, and it can take time to have a Governor sign and deliver the proclamation.
EPA and NALMS also provide posters to help advertise this month-long celebration. It is a good idea to put your order into to NALMS early for these posters so that you can use them to advertise your events.

Another helpful spring-time tip is to begin working with your local AmeriCorps group to see if they can schedule a shoreline clean up in July. Many of these youth volunteer groups begin there scheduling in the spring.

**Ice Out Gamble Ends Earlier than Ever in Vermont**
The ice is "out" earlier than ever at a Vermont pond where folks bet on the arrival of spring. The Joe's Pond Ice Out sells $1 chances for people to pick the exact date and time that a 65-pound cinder block will fall in the water each spring.

The game at the pond in West Danville ended at 2:46 p.m. Monday, April 5. That's the earliest since the guessing game began in 1988. More than 11,500 tickets were bought. But the postmark deadline for mailed entries was April 1 and some might not have arrived yet, so a winner hasn't been declared.

**Audio Tour, A Great Public Outreach Tool**
While spending Spring break near Sarasota, Florida, one can do the typical touristy things, but there is a new activity for car dwelling folks – Watershed Mobile Phone Audio Tour. Southwest Florida Water Management District and the Science and Environment Council of Sarasota County teamed up to put together an audio tour for five local watersheds near the Sarasota area.

You can access the tour from anywhere by dialing 941-926-6813 and learn about the various watersheds and important topics about water quality. This is a great way to educate the public while they are driving in the car or from anywhere. Sponsor can be a part of the tour and help provide funding. This is a great way to educate the public about water topics, provide a way for stakeholders to get their names out there, and to create a sense of community with a local area.

This educational tool could easily be used for an area where there are many lakes near by. Tourists and other lake users could dial up the audio tour to hear about special events, where the fishing is good, regulations, interested lake facts, boat ramp information, advertisements for local recreational stores, upcoming public meetings or lake conferences, etc…

To see more information about this, go to [http://www.se CSC.org/watershed.htm](http://www.se CSC.org/watershed.htm) or to see a news release, go to [http://www.swfwmd.state.fl.us/news/article/1349](http://www.swfwmd.state.fl.us/news/article/1349).

**EPA Offers Facebook Page about Water**
EPA’s Office of Water launched “Water Is Worth It,” a new Facebook Page that provides a public forum to share information, encourage discussion, and raise awareness about the value of water and water-related resources. EPA will be regularly posting information and discussion topics, which Facebook users can have delivered to their virtual door by becoming a “fan” of the page. See
Washington County’s Phosphate Law Working
A year after Spokane County, Washington, adopted the nation’s first near-total prohibition (no more than 0.5 percent phosphorus by weight) on sales of water-softening phosphates in dishwasher detergent, data indicate that the ban has reduced phosphorus levels. Water entering Spokane’s wastewater treatment plant during the first months following the ban had 10.7 percent less phosphorus than the annual average from the last three years. The Washington Department of Ecology estimates that, before the ban, dishwashing detergent accounted for an estimated 10 to 12 percent of the phosphorus entering municipal wastewater plants. Treatment plants can remove much of the phosphorus in wastewater, but they cannot treat and remove all phosphorus. The phosphorus that treatment plants cannot remove is released into Washington’s waters in treated wastewater. Therefore, any reduction in phosphorus will help improve overall water quality. The state of Washington will begin enforcing a similar, statewide ban beginning in July 2010. For more information, see www.ecy.wa.gov/programs/wq/nonpoint/phosphorus/PhosphorusBan.html.

Last Summer for Elwha River Dams
Olympic National Park is gearing up for the "Last Dam Summer," and park officials have begun distributing 5,000 buttons with the message commemorating next year's dismantling of the Elwha River dams.

The buttons tout a slogan focusing that summer 2010 will be the last before the dam removal project starts in the summer of 2011. The buttons were created and paid for by the nonprofit organization Discover Your Northwest, which stocks the park’s bookstore and also provides funding for informational and promotional items such as the buttons.

The 210-foot Glines Canyon Dam, which forms Lake Mills in Olympic National Park 13 miles upstream from the river’s mouth, and the 105-foot Elwha Dam, which creates Lake Aldwell outside the park’s boundaries, will be removed in the $308 million National Park Service project that starts in 2011.

The purpose of the dam removal is to bring back important salmon runs to the Elwha River. Even though Washington will have two less reservoirs, the dam removal should provide an overall environmental benefit to the local watershed.

Projects like this bring up the question about how NALMS and local lake management affiliates view the idea of eliminating reservoirs to improve a watershed. Is it as simple as rivers vs. reservoirs? Do you have to eliminate a reservoir to improve a river? Dam removal has been a popular item for the past 10 years but at the same time with increasing drought issues across the country, new drinking water reservoirs seem to be on the up rise.

Unlike ancient lakes, reservoirs can be a temporary feature that provides a service to people. If that service is no longer needed or is doing more harm than good, then dam removal can be option.

Featured Lake – Ancient Lakes of the World – Caspian Sea
The Caspian Sea is actually a very large lake. In fact, it is the world’s largest lake by volume and area. The Caspian Sea accounts for about 40% of to the total lacustrine waters in the world. Ancient inhabitants of the shoreline perceived the lake as an ocean because of its saltiness and vastness.

The Caspian is over 78,000 cubic kilometers in volume and is over 2 million years old. The sea became landlocked about 5.5 million years ago due to tectonic uplifting and the fall in sea level. The average depth is 187 meters with a hydraulic residence time of 250 years. The maximum depth is just over 1,000 meters deep.

It is generally believed that about 90 percent of all the world’s sturgeons swim in the Caspian Sea. Seven species or subspecies of sturgeon populate the Caspian, giving it the greatest diversity of sturgeon in the world.

The Caspian Sea is an endorheic, or terminal lake, meaning that its water does not reach the ocean. Because of this, minerals build up in the water as it evaporates and the lake usually becomes saline. Endorheic lakes are usually more sensitive to pollution than waterbodies that drain to the ocean.

During the last twenty years, the sturgeon catch has declined by 88 percent. 90% of the Beluga spawning grounds are gone due to dams. Poaching may take up about 12 times the volume of the official catch.

Over 130 rivers provide inflow to the Caspian, with the Volga River being the largest. The Volga River, the largest in Europe, drains 20% of the European land area and is the source of 80% of the Caspian’s freshwater inflow.

**Website of the Month — www.wired.com**
This is an interesting science website with unusual science information that will sure to suck two hours out of your day. There is also a webpage about satellite images of rivers worth checking out (http://www.wired.com/wiredscience/2010/03/gallery-rivers/).

**Update Contact information:**
Please let the NALMS Office (slunz@nalms.org) know if you have or are planning to change your contact information, so we can make sure you do not miss any of the NALMS monthly news letters, updates, or general NALMS announcements. NALMS appreciates this.
Open Invitation to Add to the Next E-newsletter
If you are having a conference, have a lake-related question, need advice, looking for similar lake problems/solutions, have an interesting story to share, or just want to be heard throughout NALMS, please send your material to Steve Lundt at slundt@mwr.dst.co.us. All e-newsletter material is due to Steve Lundt by the first Friday of each month to be considered for inclusion in that month’s e-newsletter.