

CLARION

A Publication of the Colorado Lake and Reservoir Management Association



Colorado Lake and Reservoir Management Association
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President's Dock



Lake Appreciation Month has finally arrived... so I encourage you to take a friend or your family to your favorite lake or reservoir to create long lasting memories. As for my favorite lake, I would say it is more of a region

of lakes – The Grand Mesa – but of all of these lakes it would be Cottonwood Lake #4. Spending summers with grandparents in Collbran, CO introduced me to a number of lakes – Bonham, Big Creek, Neversweat, but my father made Cottonwood #4 special. At the time, it was a bit more difficult to get there so bouncing around in a 4-wheel drive truck was always an adventure. On top of it, he had a favorite location to fish which meant we always walked around to the far shoreline which for a little kid was always difficult – there were too many skipping stones. We always seemed to catch a few nice rainbow trout and rarely got skunked. Being a traditionalist, I introduced my two boys to the same fishing spot and again we caught a creel of nice fish. And yes some things never change... there were still plenty of skipping stones, and being the traditionalist my first words were you're going to scare all of the fish away! Though as time passes, I realize that it was never about the fishing, but appreciating the memories of the outdoors – especially with family. So again, I encourage you to foster some new memories of the outdoors, and while you are at it make it one of your favorite lakes. And for all of the non-traditionalists – make it one of a new lake!

Inside This Issue

President's Dock	1
July is Lake Appreciation Month	2
CLRMA 2011 Calendar	2
Water Festivities at Grand Lake	3
What's Happening in NALMS	3
Obituary - Lake Willbegone	4
CLRMA Fall Conference	5
Clean Marinas Colorado	6
Spotlight: Pietro Secchi	7
CLRMA Board of Directors	8

July is a busy month for CLRMA, in addition to Lake Appreciation Month we are also sponsoring the Day on the Reservoir at Boulder Reservoir (July 20th). This event allows vendors to showcase their limnological equipment and provides an opportunity for the user to explore the complete of functionality of the equipment. There also will be opportunities to peer through a scope at algae and zooplankton, and to gain a better understanding of their roles in ecosystem function. Don't miss the opportunity to chat with the Lakespert!

There are three lakes in Colorado that are hosting events for Lake Appreciation Month this coming weekend, July 16th and 17th – Grand Lake, Barr Lake, and Ridgeway Lake. Please see the articles within this issue of the Clarion for more details on the activities, and I encourage you to attend any one of the events.

By Craig Wolf

July is Lake Appreciation Month!

July 16th will be a busy day around Colorado. Lake appreciation events on this day will occur at Barr Lake, Grand Lake, and Ridgeway Reservoir. All three locations will provide a great way to give back to our important lakes and reservoirs and to have fun at the same time.

Barr Lake: Starting at 8:00am, close to 250 volunteers will start the day off by collecting trash along the shores. It is always amazing each year the quantity and variety of trash that comes from the urban Denver area. Tires, appliances, and shopping carts are not out of the question, but the typical plastic bottles, old tennis balls, and the small pieces of Styrofoam will keep the volunteers busy until about 11:00am. A free lunch will be provided to all the volunteers. Then starting around 1:00pm, the fun activities begin including: archery lessons, bow fishing demonstrations, free canoe and paddle boat rides, and a ride-along with the ranger. Face painting, fire trucks, and H₂O Joe will keep the kids entertained as well. This event will be a zero-waste event. All trash from the lunch will be compostable.

Grand Lake: This July marks the 64th annual Buffalo BBQ

Weekend. Besides the usual 5K run, pancake breakfast, and other lake front activities, there will also be several displays talking about the water quality and quantity of the Three Lakes. The ever popular H₂O Joe will also be there ready for pictures. There will also be an official Secchi Dip-In measurement that will be sent in to the national Secchi Dip-In database.

Ridgeway Reservoir: This will be the 4th annual Lakes Appreciation Day for Ridgeway. Activities on July 16th will go from 10am to 3pm. They will be featuring boat tours, food booths, and Trout Unlimited will raffle off a youth fly rod and reel. This will be a great opportunity to learn about the reservoir the park history.



Left: Lake Appreciation Day at Ridgeway Reservoir

Mark Your Calendars!!!

2011 CLRMA Events Calendar

January <ul style="list-style-type: none"> Board Meeting (1/12) 	February	March <ul style="list-style-type: none"> Board Meeting (3/1) 	April <ul style="list-style-type: none"> Board Meeting (4/5) Spring Conference (4/19)
May <ul style="list-style-type: none"> Board Meeting (5/3) Spring Workshop (5/13) 	June	July <ul style="list-style-type: none"> Board Meeting (7/5) Lake Appreciation Month Day on the Res (7/20) 	August
September <ul style="list-style-type: none"> Board Meeting (9/6) Rockies Game (9/16) 	October <ul style="list-style-type: none"> Board Meeting (10/4) 	November <ul style="list-style-type: none"> Board Meeting (11/1) Fall Conference (11/16) 	December <ul style="list-style-type: none"> Board Meeting (12/6)

Lake Appreciation Month Water Festivities in Grand Lake

Come celebrate **National Lake Appreciation Month** down on the Lakefront in Grand Lake, Colorado, Saturday, July 16th. The Colorado Lake and Reservoir Management Association (CLRMA), local watershed groups, and Northern Water are hosting a one-day water festival in conjunction with Grand Lake's Western Week Buffalo BBQ. Both CLRMA and Northern Water will have booths this year. Saturday's activities start with the Rotary Club's Pancake Breakfast and Town's 5k Run/Walk in the Town Square at 7 am and 8:30 am, respectively. The Water Festival activities down along the Lakefront start with the US Forest Service, Grand County Water Information Network (GCWIN), and CLRMA assisting Town Representative Elmer Lanzi in taking the Official Secchi Disk Measurement. Water festival activities throughout the day will

include hands on activities for adults and kids, displays, exhibits, and a self-guided lake tour. Live music and food, including the famous Buffalo BBQ, are part of the local festivities.

Look for H2O Joe to find the CLRMA booth filled with lots of fun water activities. For more information call or email Sarah Clements (970) 531-7099, sarahclements@rkymtnhi.com or contact the Grand Lake Chamber (www.grandlakechamber.com)

What's happening in NALMS?

The annual symposium is coming up already. It will be in Spokane, Washington from October 26 – 28. Registration is open and you can find all of the information about the event at www.nalms.org.

NALMS has a new and improved website. Go check it out at www.nalms.org.

Great North American Secchi Dip-In, June 25 through July 17th. For the past 18 years, individuals have been taking measurements on one day during the weeks surrounding Canada Day and July Fourth. Individuals monitor lakes, reservoirs, estuaries, rivers, or streams, but they must already have the equipment and training. So go out and take a Secchi reading and the go to www.secchidipin.org. The Colorado program ID is 812 when you enter your data.



NALMS
2011

Diverse and Sustainable Lake Management

31st International Symposium of the North American Lake Management Society

October 26 – 28, 2011 • Spokane, Washington

SPOKANE, WA

OBITUARY



LAKE WILBEGONE (WILLY) DRAINED, AGE 11,972.

AFTER A LONG AND GRUELING BATTLE WITH CONTAMINATED RUNOFF, EFFLUENT, RECREATIONAL ABUSE, AND HEAVY CONSUMPTION. WILLY IS SURVIVED BY 1,532 LAKES AND RESERVOIRS, ALL RESIDING LOCALLY IN COLORADO. AN ACTIVE MEMBER OF THE AQUATIC COMMUNITY, WILLY CONTRACTED DAMAGING AMOUNTS OF ALGAE AND DEHYDRATION DUE TO HIGH LEVELS OF THIRSTINESS AND NUTRIENTS FROM STORMWATER, GREEN-LAWN SYNDROME (GLS), FAILED SEPTIC SYSTEMS, AND DIRECT CONTACT WITH EXCRETING HUMANS. FEDERAL AND LOCAL PROGRAMS FRANTICALLY TRIED TO REVIVE THE POPULAR LAKE, BUT THE MILLIONS OF TAXPAYER DOLLARS SPENT WERE JUST YEARS TOO LATE. IN LIEU OF FLOWERS, LOVED ONES ARE ASKED TO REDUCE WATER CONSUMPTION, ELIMINATE FERTILIZERS FROM IMPERVIOUS SURFACES, FIX VEHICULAR DRIPS, JOIN A LOCAL WATERSHED OR LAKE ASSOCIATION, AND APPRECIATE HOW IMPORTANT AND FRAGILE ARE REMAINING LAKES ARE TO YOUR DAILY LIFE.

Save the Date! CLRMA Fall Conference

CLRMA's Fall Conference will focus on the water quality and management challenges of urban lakes, reservoirs and watersheds. The urban corridor presents a diverse set of challenges for managers that include issues related to drinking water and water reuse, aquatic life uses, and recreational uses. These challenges often require unique management approaches, including an insightful learning process that may be applicable to other situations. CLRMA will provide a venue to share information and management approaches among people that share a common interest in raising awareness of our urban water resources. CLRMA is in the proc-

ess of finalizing the agenda and have invited urban watershed groups and other water outreach organizations to present at the conference. If you would like to help with fall conference activities please contact the conference chair coloradolorma@gmail.com.

Join in on the fun.
Become a CLRMA member!
Visit www.clrma.org for a 2011 membership form.

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Sample Interval	Days of Sampling
1 minute	200 days
5 minutes	400 days
10 minutes	475 days
60 minutes	530 days



Clean Marinas Colorado Celebrates One Year of Progress



Clean Marinas Colorado is a voluntary recognition program that targets marinas and individual boaters - providing education and outreach activities that help maintain and restore water quality in Colorado's major waterways. The program was developed in collaboration with the EPA, the Colorado Department of Public Health and Environment - Nonpoint Source Program, U.S. Coast Guard Auxiliary Mile High Flotilla and the Colorado Lake & Reservoir Management Association (CLRMA).

Thanks to support by these teammates and participation by the marinas, the program has achieved its initial goal of certifying 3 Clean Marinas during its first year of operation. To receive certification, marinas must meet the program's established criteria and adhere to a set of ongoing Best Management Practices that focus on minimizing the environmental impacts of boating and marina operations.

Boulder Reservoir was the first to successfully navigate the certification process and graduated with high honors. "The Boulder Reservoir certification was a significant milestone as we launched the program. They were already doing almost everything the program looks for and are thoroughly committed to the goals of the program," commented Paul Clukies, Executive Director and Program Coordinator.

Lake Nighthorse, a new reservoir recently constructed by the Bureau of Reclamation near Durango, has adopted the program in to the lake's Master Plan. The water in Lake Nighthorse is owned by seven different entities in Colorado and New Mexico, and water quality has always been the highest priority throughout the master planning process. The timing and content of the Clean Marinas Colorado Program was very helpful in public planning efforts and will be used to help satisfy

concern in several areas. While the permanent Recreation Manager for Lake Nighthorse is not yet identified, the Clean Marinas Colorado Program and its Best Management Practices are now part of the permanent recreation guidelines for the lake.

Frisco Bay Marina on Dillon Reservoir is the most recent program certification. "The marina staff at Frisco Bay is very dedicated to the facility and this process, and we plan to hold this up as an excellent example for all Colorado marinas to follow," said Clukies. Denver Water has also expressed its support of the program, as it relates to their efforts to maintain high water quality on Dillon Reservoir.

The program acknowledges an ongoing need for environmental stewardship in marinas and boating in general. Marinas, boat maintenance yards and moorings are focal points of pollution in our waterways. Oily bilge water, gasoline spills from overfilling boat fuel tanks and cleaning boats on the water are all activities that lead to polluting our waters. One small spill of gas is not a big deal, but multiply it by the 100,000 boats that are in Colorado and it becomes a significant problem - especially right around the marinas which are many times close to swim areas or boat ramps where people like to get in the water. The program plans to continue work throughout Colorado and evolve its association structure to provide benefit to marinas and promote clean boating in the state.

Colorado Marina Association is a non-profit 501(c)(3) organization dedicated to delivering the Clean Marinas Colorado Program and promoting clean boating in Colorado's waterways. For more information, contact Paul Clukies, Executive Director, Colorado Marina Association - phone 720-226-0766, email: coloradomarinas@comcast.net or visit: www.coloradomarinas.org.

Spotlight: Pietro Secchi

What better person to highlight in July than the grand daddy of them all, the inventor of the Secchi Disk – Father Pietro Angelo Secchi. A famous Italian astronomer and one of the first astrophysicists, Father Pietro Angelo Secchi (1818-1878), who was a scientific adviser to the Pope, used the Secchi disk in 1865. Father Secchi was asked by Commander Cialdi, head of the Papal Navy, to test a new transparency instrument. This instrument, now named the Secchi disk, was first lowered from the papal steam yacht, l'Immacolata Concezione (The Immaculate Conception) in the Mediterranean Sea on April 20, 1865.



Age: Born in 1818 and died in 1878 (60 years)

Education: He studied at the Jesuit gymnasium. At the age of 16, he entered the Jesuit Order in Rome. He continued his studies at the Roman College, and demonstrated great scientific abilities. In 1841, he became Professor of Physics at the Jesuit College. In 1844, he began theological studies in Rome and was ordained a priest in 1847.

Rome is the capital of Italy and the country's largest and most populated city and comune, with over 2.7 million residents in . In 2006 the population of the metropolitan area was estimated by the Organisation for Economic Co-operation and Development to have a population of 3.7 million. The city...

Years in US: He did spend about 3 years in the United States and even taught at Georgetown University.

Family: He considers anyone who uses a Secchi disk a part of his family.

When I am not working, I am: Probably studying the Bible.

Not many people know that: Over the course of his career, Father Secchi made a number of important contributions to the science of astronomy, oceanography, meteorology, and physics. He drew accurate maps of the moon and Mars, discovered three comets, and drew an accurate map of Copernicus Crater, on the surface of the moon. Father Secchi also demonstrated that the light given off by the sun is absorbed by Earth's atmosphere. In doing so, he was one of the first astronomers to demonstrate that the sun is a star. He studied the climate of Rome and invented a "Meteorograph" for the convenient recording of several categories of weather data. He also studied the aurora borealis and the effects of lightning, and investigated the cause of hail. He organized the systematic monitoring of the Earth's magnetic field, and in 1858 established a Magnetic Observatory in Rome.

Last book I read: We don't know but we do know that he did publish about 730 papers in scientific journals and published a number of books.

Toughest aspect of my job was: Trying to find enough time to play video games.

What famous person you would like to meet the most: Our guess would be either Galileo or Lady Gaga.



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Visit us at:

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