



Lake Hartwell Association, Inc
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Volume XVI, Number 4

Letter from the President

Submitted by Mike Massey

Inside this issue

We need help – at least from some of you. Our activities at LHA have grown to the point that our current committee members need more volunteers to help accomplish them. LHA activities are all conducted by area residents who joined LHA to support the organization and then decided to get involved by joining an LHA committee. Each year an increasing number of lake-related technical issues arise and more water legislation is considered or introduced. There is also more area population growth. All impact the lake and the area in some manner. We feel every one of our activities is necessary if we are to stay ahead of the issues and continue to protect this beautiful lake.

LHA, as you will notice by reading our newsletters, has been an influential force in the following:

- Helping to keep the lake clean through monitoring lake quality and taking action regarding water quality issues and activities.
- Supporting or opposing legislation in Georgia and South Carolina, as well as on a national level, which may impact the lake and basin.
- Attending many meetings around the area and a few around the country to assure we are knowledgeable of water issues and their potential impact on the Savannah River Basin.
- Educating other organizations to the impact the lake has to this area. (Publishing the results of the 2003 LHA Lake Impact Economic Study is an example.)
- Providing speakers for organizations wanting to know more about the lake and lake related activities, both technical and legislative.
- Maintaining a continuing liaison with the US Army Corps of Engineers and striving to provide you with the latest information possible regarding lake management.
- Participating in many more activities such as the Lake Clean-up campaign and a number of lake safety-related programs.

How can you help? Take a look at a few of the activities below and see if you can find the time, usually a few hours a month, to join one of our committees.

Legislative. People with a desire to become involved with legislative water issues in either Georgia or South Carolina are needed. No special skills are required. The Legislative Committee is still evolving but there are plenty of exciting opportunities. We have a number of activities and goals identified. We need your assistance to assure they are met. Time required – variable but at least a few hours a month.

Technical. Interested in working on the technical side of things? Anyone with some knowledge of lake or water sciences would be welcome on this committee. There are a variety of challenges and we do not necessarily need experts. Time required – variable but at least a few hours a month.

Membership. Two people would be very helpful who could coordinate and revise the activities below to their schedule.

1. A person with computer experience in MS-Excel and MS-Word to update the LHA Membership list, record dues payments on our Excel spreadsheet and deposit the checks in the bank. Time required – about 10 hours a month.
2. A person to coordinate with our printer for the printing and mailing of our dues invoices (this occurs three times a year) as well as retrieving and sorting the mail (with the dues) from the Post Office. Time required – about 4 hours most months and 8 hours for 3 months.

Financial. One person, preferably with accounting or bookkeeping skills, to review our financial records once a year as required in the LHA Bylaws, and validate that our financial picture is fairly presented. Time required - about 10 hours, one week a year.

Let's keep the lake "clean and deep." To contact me, send an email to mail@lakehartwellassociation.org or call 1-864-222-1925.

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Water Quality Study Completed

Submitted by Dr. Margarit Gray

Part of LHA's mission is to help maintain the high quality of Lake Hartwell. Our continuing efforts to achieve this goal involve identifying areas of potential concern before they become major problems.

Last summer we began a study of the water quality flowing into the lake from the various streams and creeks that discharge to Lake Hartwell. The purpose of this study was to fill gaps in existing water quality data and assure that there were no sources of pollution going unnoticed. The second phase of that work was carried out this year.

During the summer, Dr. Margarit Gray, a professor at Anderson College and member of the Technical Committee, and two of her students completed the water quality sampling program sponsored and funded by the LHA Technical Committee. Twenty-two sites were sampled. The sites sampled included sites on both the Seneca and Tugaloo arms of the lake as well as all marinas and many other major streams and creeks feeding the lake. This study completed the review of water quality begun last summer.

The primary purpose of the study was to determine the water quality at the back of coves where creeks and streams feed into Lake Hartwell. Previous review of the water quality from the sampling stations located in mid lake showed excellent water quality but little was known about the quality of water entering the lake via the multitude of creeks and streams.

The results are being analyzed and a complete report on the



results will be presented at the fall meeting. Preliminary review of the data, however, is very encouraging and continues to indicate that we are blessed with very high water quality in the lake. The results indicate that the water quality meets all standards for swimming and fishing in all locations tested.

There was evidence, however, of continuing problems in some areas from silt entering the lake. The causes are unknown at this time but the Technical committee is reviewing plans to further investigate the origins of the silt. While additional information is gathered on the specific problem areas noted, we will publish a series of information articles, beginning elsewhere in this newsletter, on the general topic of Non-point Source pollution (pollution that flows into the lake from runoff, groundwater infiltration, and other sources that do not come out of a discreet pipe or other discharge) and how each of us can help reduce this problem.

tion (pollution that flows into the lake from runoff, groundwater infiltration, and other sources that do not come out of a discreet pipe or other discharge) and how each of us can help reduce this problem.



Dr. Gray and her student, Ms. Crystal Ballard, collect water samples for lab analysis from 22 mapped sites on the lake.

Appreciation Picnic

Submitted by Wayne Gaskins

LHA hosted an Appreciation Picnic for the volunteers of the Hartwell Lake Cleanup Campaign at Big Oaks Recreation Area on Saturday, September 25, 2004. Hundreds of volunteers enjoyed great entertainment, good food, and door prizes galore. This was the 24th year of the cleanup that is coordinated by the U. S. Army Corps of Engineers – Hartwell Project. The success of this year's campaign was due to over 600 volunteers and over 100 organizations participating during the five-week cleanup period that began on August 13. A special thanks to the staff of the Hartwell Project Office, Optimist Club of Hartwell, Dairy Queen of Hartwell, Georgia Rivers Alive, McDon-

ald's, LHA volunteers, and more than 70 other businesses and organizations that contributed to the Appreciation Picnic.

See this list of contributors on the next page. When you patronize these businesses please thank them for their support.



Letter to the Editor

LHA has received several responses to a letter from Richard Voegele in the last edition of this newsletter. Most responses showed that their authors had similar concerns about loud, high-speed cigarette boats and the problems that they were causing to lake residents. One e-letter that we received was from, to coin a political phrase, "the other side of the aisle." It is posted below.

In the Summer 2004 edition of the Lake Hartwell Association newsletter I found a letter from Richard Voegele entitled, 'Am I alone?' The answer to that question is, of course, YES & NO. Several years ago I moved to the shores of our beautiful lake and like all of us, we love it. One of the reasons we moved here is because our lake has the size and open water areas to use my "CIGARETTE" type pleasure boat.

Richard's point that all boaters should show more respect for our fellow lake users is a very good point. To that I would include courteous, polite, and ACCOMMODATING.

I also own a pontoon boat and I boat year round with both boats. I do not feel that we and the lake environment are

threatened by loud and fast boats. Living on the lake has some side effects. Boat noise, such as early morning fishing tournaments, weekend boat traffic of all types are some of the things we learn to live with and love. I find a performance engine under power a joy to listen to.

With that said, Richard points out that noise and boating rules are being violated. Federal and state laws are on the books to adequately control the wayward boater and his equipment. More laws seem to be out of place if we can not enforce the ones we have. A performance boat running at speed at 2:00AM, a jonboat fishing at night with no lights, the driver of a pontoon drinking whiskey out of a bottle. All of these I have seen and all of them should have been arrested using the laws we already have. Limiting the type of boats that run on our lake would entail a major federal law change and probably not worth the time and resources of our association.

Richard, I urge you to join me, and hopefully the Lake Hartwell Association to do whatever we can to support the lake law enforcement agencies and support anyone that will increase the number of officers on the lake.

Sincerely,
Dean Thomas
twoboat@bellsouth.net

Thank You, Contributors

Submitted by Wayne Gaskins

The following businesses and organizations contributed to the success of the 2004 Hartwell Lake Cleanup Volunteer Appreciation Picnic at Big Oaks Recreational Area on September 25:

Anderson County Safe Kids Coalition	Friend's Restaurant	Northeast Georgia Bank
Anderson Federal Credit Union	Fuddruckers Restaurant	O'Charley's Restaurant
Appleby's Grill and Bar	Georgia Rivers Alive	Optimist Club of Hartwell
Athens First Bank & Trust Co.	GIP's Manufacturing - Hartwell	Outback Steakhouse
Atlanta Bread Company	Gordon's Marine	Pinnacle Bank
Bank of America	Grady's Great Outdoors	Red Lobster Restaurant
Bank of Anderson	Grant's Wooden Boat Works	Ruby Tuesday's
Belk Company	Harbor Inn Restaurant	Ryan's Family Steakhouse
Big Water Marina – Starr	Harbor Light Marina	Sonny's Real Pit Bar-B-Q
Branch Banking & Trust Co.	Harris Marine – Seneca	Strickland Marine Center
Butterbean's Restaurant	Hartwell Marina & Boat Sales	Sullivan's Metropolitan Grill
Carolina Beer Company	Hartwell Pharmacy	T-60 Grill – Fairplay
Cateechee Golf Club	Hooters of Anderson	Texas Roadhouse
Charlie T's Wings	IHOP	The Brass Lantern – Lavonia
Chick-Fil-A	JC Sports – Seneca	The Galley Restaurant
Chili's Bar and Grill	Key Marine	The Gray House – Starr
Clemson University Book Store	L & J Hardware and Variety	The Meeting Place Restaurant
Corbett McGee's Irish Pub	Lake Hartwell Fishing and Marine	The Peoples Bank
Crab House Seafood	Lee's Marine	Tiger Town RV & Marine Center
Creekside BarBQ	Little Pigs Barbecue	Travel Time USA – Lavonia
Dairy Queen Brazier - Hartwell	Long's Fishing and Marine	Tucker's Restaurant
Denny's Restaurant	Longhorn Steakhouse	Tugaloo Fishing Hole – Lavonia
Dillard's Sport Center	McDonald's	WalMart
Fisherman's Cove Restaurant	Mega Motorsports – Toccoa	West Marine
Franklin Package Store	Nami Restaurant	Zaxby's Real Chicken

NPS Pollution – Lake Hartwell’s Quiet Enemy

This article begins a series of articles that addresses a serious threat to Lake Hartwell - **NPS pollution**.

What is Non-Point Source (NPS) pollution? Non-point source pollution is all the pollution that water runoff picks up as it flows over or through the ground. The water runoff carries pollutants into lakes, rivers, streams, creeks, wetlands, coastal waters, and groundwater. NPS pollution originates from widespread, diffuse sources or activities. Some examples of NPS pollutants are as follows:

1. Sediment from construction sites, crop and forest lands and eroding stream banks.
2. Trash, litter, oil, grease, and chemicals washed off city streets, parking areas and boat ramps.
3. Fertilizers, pesticides and animal wastes from croplands, pastures and yards.
4. Human waste from improperly operating septic systems.
5. Household chemicals and yard debris dumped into drainage ditches or storm drains.

NPS pollution differs from "point source" pollution.

Point source pollution refers to water pollution that originates from well-defined locations, such as discharges through pipes from sewage treatment plants and industrial sites. LHA is monitoring the performance of these state regulated dischargers and we are happy to report that their performance is well within their permitted limits.

When either NPS or point-source pollutants enter water bodies in excessive amounts, the result is the deterioration of water quality. Consequences are harmful effects on drinking water supplies, fisheries and wildlife resources, navigation and recreational opportunities. The LHA technical committee has recently completed sampling over twenty sites around Lake Hartwell to determine the water quality. While we are happy to report that the water quality is very good, the sampling indicated once again that silt and sediment, a form of non-point source pollution, is a continuing problem. Each of us can help by controlling causes 3, 4, and 5 above from our own property.

Also, if you see any problem from runoff from constructions sites or any other cause listed in items 1 and 2, above, call one of the numbers to report such pollution listed below. These numbers are also available on LHA’s website.

In the Next Newsletter:

What can be done to prevent NPS Pollution?

The GO-TO List of Contacts for Storm Water Runoff into Lake Hartwell

Federal Level US Army Core Of Engineers (COE) **803-253-3444**

State Level-SC Anderson & Oconee Counties: Department of Health & Environmental Control (DEHEC)
Mr. Chip Polk, Storm water Program Manager **864-260-5569**

Pickens County: Department of Health & Environmental Control (DHEC)
Greenville office Mr. Brian Kemp **864-241-1090**

County Level-SC In South Carolina the counties have no responsibility for storm water runoff compliance. Buildings & Code offices will be sympathetic to violations but do not have authority to respond to violations. All violations need to be reported to the Anderson DEHEC office.

State Level-GA Department of Natural Resources, Environmental Protection Division (EPD) Athens, GA
Mr. Bob Bishop, Department Manager **706-369-6376**
Mr. Bob Fulmer, Environmental Specialist **706-369-6376**
Mr. John McCullum, Environmental Specialist **706-369-6376**

County Level-GA Stevens County: Mr. Rockey Harding, County Marshal Code Enforcement **706-886-9491**
Hart County: Mr. John Caime, Dept. of Environmental Compliance **706-376-2024**
Franklin County: Mr. Frank Ginn, County Manager **706-384-2483**

With the exception of Franklin County, Georgia, EPD has assumed the responsibility for land disturbance permitting and compliance. Franklin County may follow suit and return permitting back to the state EPD as did Stevens and Hart Counties.

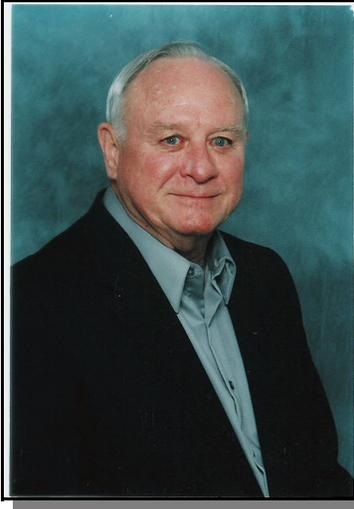
Meet The Directors: LHA's "Mr. Clean"

Submitted by Bert Menees

Wayne Gaskins is LHA's "Mr. Clean," not because he looks like the Mr. Clean on the Procter & Gamble bottle, although some say there is a resemblance, but because he has for many years been our Hartwell Lake Clean-up Campaign manager.

LHA co-sponsors the award-winning clean-up campaign each year with the U.S. Army Corps of Engineers. The program just wrapped up its 24th year with the Volunteer Picnic in September. LHA organizes and provides the food, door prizes and entertainment for the Volunteer Picnic, and Wayne is the person who gets all that done. It is a big job but Wayne has been up to the task year after year.

Wayne Gaskins is a native of Florida where he developed an early appreciation for lakes and water environs. He earned a B.S. degree from the University of Florida. Army ROTC included flight training in those days, and Wayne graduated with a pilot's license and a commission in the Infantry with a specialty in aviation.



After his initial tour of duty, Wayne went back to Florida with Minute Maid as a field representative in their cooperative grower's association. At the same time, he flew fixed-wing aircraft in the Army Reserve. Civilian life, however, was short-lived. In 1967, he went back on active duty. He was in Vietnam twice, once flying the "Birdog" reconnaissance aircraft and later helicopters. He remained an aviator during an active duty career that spanned 35 years. He had career-progressing assignments all over the globe. His last command assignment was in Alaska where he commanded the only aviation brigade in Alaska - the 6th Combat Aviation Brigade, 6th Infantry Division.

Wayne did graduate work in the Army. He studied International Relations at extension campuses of the University of Arkansas and Boston College and later changed his emphasis to Strategic Logistics while studying at the Industrial College of the Armed Forces. The ICAF is one of the four research colleges under the auspices of the National Defense University. Wayne said that flying airplanes was "a piece of cake" compared to his challenging assignment when he returned to the National Defense University in Washington, D. C. as Chief of Staff/Dean of Administration.

Two years before retirement, Wayne and wife, Sonja, fell in love with Hartwell Lake, bought their home in Brittany Harbor, Franklin County, Georgia, and became members of LHA, while still in D.C. Two wonderful granddaughters, who live with their parents in Atlanta but week-end on the lake often, had something to do with their retirement choice. The daughter's family recently built a new lake house in the Payne's Creek area.

Wayne did not begin his LHA tenure as "Mr. Clean." He became a member of the Board of Directors in 1994, the year he retired and left D.C. He has been chair of the Safety Committee, Vice-President and President of our association. His service has been and continues to be very important to our success.

Wayne carried his aviation background into retirement as Manager of the Anderson County Regional Airport for several years. He stays active today as a tax advisor for H&R Block. In addition to his volunteer LHA service, he is active in numerous church, school and community activities. First in the military, now in LHA and the community, Wayne Gaskins has a life time of public service for which we give him our salute.

Newsletter Now Available by E-mail

LHA members may choose to receive these quarterly newsletters *via* e-mail in addition to or in replacement of the hardcopy that we will post. We will gladly send you a PDF attachment of each edition of the newsletter. This file can easily be opened using a free program downloaded from the Internet. Most newer computers come with Adobe Acrobat Reader already installed. However, you can browse to www.adobe.com and click the icon to download the free Reader.

There are several advantages to receiving the e-News. It will be sent to your email address about 3 weeks before the hardcopy is mailed from the printer. Photos will be in color. Several LHA members who were involved in a trial e-mailing last quarter reported that the photos were clearer and the graphs were easier to read. And if enough members want e-News instead of a paper copy we might just save a tree.

To receive *LHA e-News* send your email address to LHAnews@hotmail.com. We absolutely will not distribute these email addresses to any person, company or organization for any reason.

Cold Weather Brings Highest Fatality Rate in Boating Accidents

Submitted by Dan Ray

The US Coast Guard's newly released recreational boating accident statistics for 2002, the most recent year available, reveal that although fewer accidents occur in the winter, boaters face the greatest risk of dying in the colder months.

The Coast Guard calculates the fatal accident risk by dividing the number of fatal accidents by the total number of reported accidents. In January of 2002, it reached 19 percent, and in February 2002 it peaked at 26 percent. This means in February more than a quarter of all reported boating accidents resulted in death.

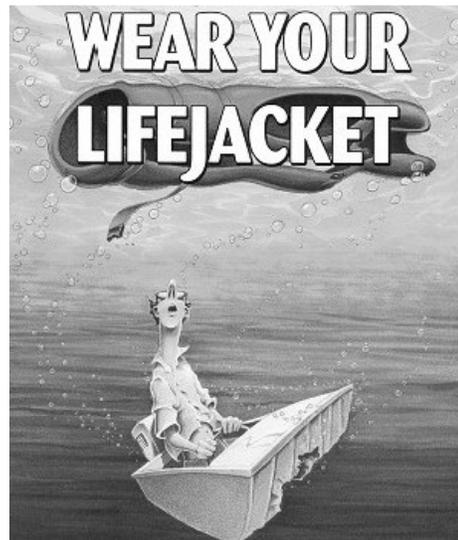
Many boaters believe that the risks are greater during the warmer months when the waterways are more crowded. Coast Guard statistics show the opposite- that boaters are more at risk of dying during the colder months so boating safety should be a concern year-round, not just during peak boating season.

The higher fatality rate is said to be due to the fact that fewer boaters and patrol officers may be available to rescue boaters in distress during winter months. Hypothermia, the condition when the body loses heat faster than it is produced, is also a big danger. While hypothermia can happen at any time of the year, the colder the water, the more rapidly hypothermia may occur.

Suggested actions to reduce your risk when boating in the winter months include the following:

- Wearing a life jacket at all times when boating,*
- Taking a safe boating course,*
- Getting an annual vessel safety check, and*
- Avoiding boating under the influence of drugs or alcohol.*

Source: U S Coast Guard press release



LHA Needs Photos for Newsletter

Share your photos. All you have to do is email images to us as attachments. JPG images are preferred, but we can use about any image format. Provide caption information such as names, location, etc. in the body of the email message. Send it to LHAnewsletter@yahoo.com



Olivia Kittle, age 14 months, loves to come visit Grandy and Grampy at Lake Hartwell... Safety first, of course!!



Josh Barrett took time out of a long day of swimming in one of the Corps' public swimming areas to share his lunch with 2 hungry visitors.

We Need Wild Game Recipes, Too

Send your venison, goose and Brunswick stew recipes so that we can print them in the newsletter. LHAnewsletter@yahoo.com

Meeting of the South Carolina Water Associations

Submitted by Mike Massey

This spring the North American Lake Management Society held its Eastern U.S. Conference at Isle of Palms, just outside of Charleston, South Carolina. The conference was sponsored by the Lake and Watershed Association of South Carolina (LWASC). During that meeting a number of South Carolina volunteer water organizations had an opportunity to meet and discuss current issues in South Carolina as well as concerns for the future water planning in the state. During the discussions the attendees realized that most of us had similar concerns about the future of water resources in South Carolina. We also realized that each organization had some processes or activities that could be considered Best Management Practices (BMP's) and they should be shared with other the organizations.

As a result of those meetings, a decision was made to hold a meeting of volunteer water organizations in South Carolina. Suzanne Cole, Executive Director of LWASC, organized the meeting. Joy Downs, Executive Director of the Lake Murray Association (LMA), arranged for the meeting to be held September 12, 2004, on the Southern Patriot, a tour boat operating on Lake Murray. We are grateful to the LMA for this.



Suzanne Thomas-Cole, Executive Administrator - LWASC and Joy Downs (in background), Executive Administrator - LMA

Representatives from a number of SC lake organizations attended including LHA, LWASC, LMA, Friends of the Lake Keowee Association (FOLKS), the Wateree Home Owners Association (WHOA), Friends of the Savannah River Basin (FSRB) and others.

The preparation for the meeting was interesting. As we were sending emails back and forth to decide what topics we should discuss, the list became so long we agreed to prioritize the issues and discuss them until we ran out of time. We did run out of time! This initial meeting concentrated on getting to know

each other and discussing our individual organizations and processes such as committee activities, meetings, membership numbers and categories, advocacy (lobbying) practices and our major issues. We never had time to get to most of the specific topics we had earmarked for discussion.

One area we all agreed upon related to legislation in South Carolina. Discussion indicated that there was no specific state organization tracking all the issues, recommendations, reports, plans, committees and other activities related to water in the state. To make the point, Mike Massey distributed a copy of the South Carolina State Water Plan, January 2004 Edition, and the report of the South Carolina Governor's Law Review Committee, January 2004. Mike indicated there were 69 very significant recommendations in the new SC Water Plan and a number of very important and significant recommendations in the SC GWLRC report. He indicated that while most recommendations were very important and significant, there were some areas of disagreement and some areas where important topics were absent. When he tried to find out who was tracking the recommendations for implementation, he received no responses. The attendees at the meeting agreed this should be one of the main objectives of the group. The group agreed to work together on water legislative and planning issues in South Carolina.

The meeting wrapped up with an agreement from all attendees to meet at the next Eastern U.S. NALMS meeting planned for April, 2005, in Charlotte, NC, and continue this activity.



Gary Faulkenberry, External Affairs Vice-Chairman - WHOA; Rich Kidder, President - LMA; Mike Massey, President - LHA; Dick Millward, President - FOLKS, Barb and Harry Shelley, Facilitators- FSRB.

Upcoming Events for LHA Related Activities	Date
LHA Fall Information Meeting , Anderson Civic Center	10/21/04
LHA Board Meeting, 7:00 PM, Anderson Public Library	11/8/04
SRB Comprehensive Water Study Meeting, October	TBD
LHA Board Meeting, 7:00PM LHA Office, 184 W. Franklin St., Rm 108, Hartwell	1/10/05

Members Will Vote on Revised By-Laws and Term Extensions at Fall Membership Meeting

Submitted by Elbert Menees

Mark your calendar now for the Lake Hartwell Association semi-annual membership meeting on Thursday, October 21, at the Anderson Civic Center. The meeting will start at 7:00 PM and run for approximately two hours. The meeting is especially important because members will be asked to vote on amended By-Laws which were distributed by mail to each member in September. The Board of Directors has worked diligently to update the By-Laws and make changes that will improve our operating procedures.

Various board members will make brief reports during a short business meeting. We will also have an informative report from Dr. Margarit Gray, a member of the LHA Technical Committee, on the LHA-sponsored water-quality monitoring activities in which she and her Anderson College students are engaged on Hartwell Lake. Mr. Virgil Hobbs, the U.S. Army Corps of Engineers Hartwell Project Operations Manager, will provide a brief report on lake activities and answer questions during the Q&A period.

The main presentation will be made by Dr. Robert H. Becker,

Director of the Strom Thurmond Institute of Government & Public Affairs at Clemson University. Dr. Becker was appointed by South Carolina Governor Sanford to the Governor's Water Law Review Committee which makes recommendations to the Governor on water planning and water management improvement opportunities. He will provide some valuable insights on recommendations the committee made in their report this past January.

Light refreshments will be served and door prize tickets will be distributed at the door. Small appliance door prizes will be awarded to 12 lucky attendees.

The newsletter and the semi-annual meetings are the ways your association communicates with you. The Board of Directors is dedicated to keeping you informed. We also want to know what is on your mind, so members are encouraged to make these meetings a priority on their schedule.

The terms of four existing members of the Board of Directors will expire in December 2004. The Board has asked that members approve extending these Board members for three more years. The vote will be held at the fall meeting. The Board members are: Ace Forgay, Al Koleff, Bobby Foster, and Jim Gardner - 12/31/04.

UPDATE - Savannah River Basin Comprehensive and Drought Management Study

Submitted by Mike Massey

The US Army Corps of Engineers (USACE) is the project manager for the *Savannah River Basin Comprehensive and Drought Management Study*. The study purpose is to review the current operating practices of the Savannah River Basin (SRB) and, if necessary, recommend areas for refinement. The study is funded by the Federal Government, South Carolina Department of Natural Resources (DNR) and the Georgia DNR.

A major part of the study is the development of a new Hydrologic Engineering Center Reservoir System Simulations Model (HEC RES SIM). Simply defined, it's a computer model where requirements from all stakeholders can be entered and different scenarios can be evaluated. The model is capable of calculating the effects (lake elevations, flow rates, etc.) caused by various operational and environmental variables throughout the SRB. It will be used to provide both long-term simulations and real-time operations. It is capable of handling multiple operational scenarios with prioritized rules and computer logic criteria. The USACE indicated that they will be using 72 hour forecasts and Doppler radar inputs for rain amounts.

The Lake Hartwell Association is one of the major stakeholders for this study and feels it is essential to preparing for future needs of all water users along the SRB. The study will

consider all the basic purposes identified for the lakes and dams in the basin along with the needs below the Thurmond Lake Dam. We feel the results, scheduled for final completion of all phases in 2007, will provide the scientific data needed to manage the water resources in the basin accurately and fairly for the future.

William Lynch, USACE Senior Project Manager for the study, has recently told LHA the study team had made progress on the final debugging of the HEC RES SIM Model. They are confident that the team, in concert with the Hydrologic Engineering Center (HEC), will complete these necessary refinements in the near future. They have been able to complete early model runs on the drought scenarios (the current phase) and with each run, continue to solve inconsistencies in the model. The results of the study are fully dependent upon the model. It is for this reason that a stakeholder meeting has not

been scheduled this summer. Lynch anticipates that it will be October before another stakeholders meeting is held. This is dependent upon achieving accurate model results that are free of the inconsistencies they are experiencing. We are eagerly awaiting the next meeting and will continue to inform you of the progress.



Hartwell Lake Water Level

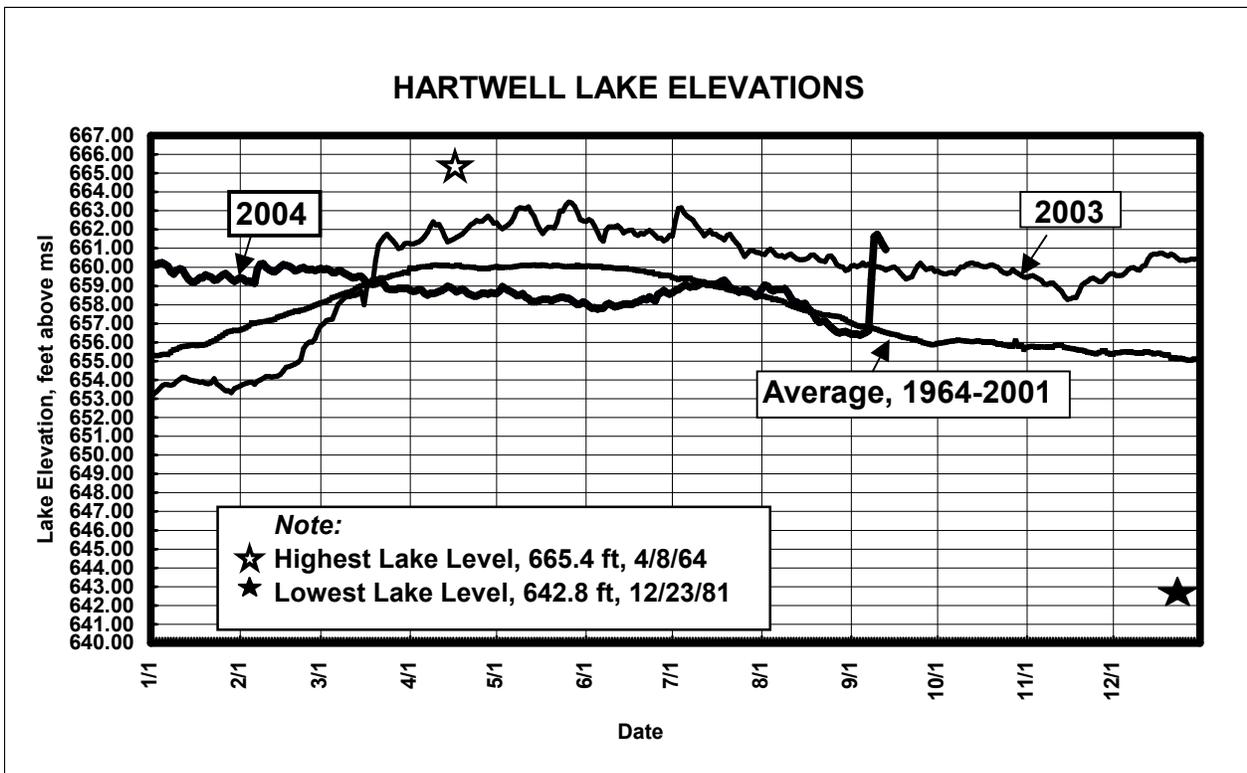
Submitted by Vern Sauer and Mike Massey

Hartwell Lake was at about 661' mean sea level (msl) in mid-September. This is a foot over full pool thanks to hurricane Frances. Check out the sharp spike on the 2004 data curve on the graph below. As we write this article about water levels in Hartwell Lake hurricane Ivan appears to be heading this way. The Corps has indicated they are concerned about Ivan and are taking steps to manage the water level considering a number of uncertainties. By the time each of you read this Ivan should be long gone and we will hopefully have a stable situation once again.

Since we cannot even hope to expect a reliable long range wa-

ter level forecast at this time, we suggest you access the Corps website at <http://water.sas.usace.army.mil/declarations.cfm/> and go to the upper window. Look for the column marked "Long Range Forecast" and select the line marked "Hartwell." It is usually the third line down. A graph will display in the lower window and will provide you with a pretty clear picture of what the Corps expects the lake level to be for the next ten weeks.

We know many of you have been and still are wrestling with the question of when to move your docks. In this period of wild hurricanes the best thing you can do is go to the website available and make your judgment based on that. The Corps has been trying its best to keep this website updated but even the Weather Channel does not know what is going to happen more than a day or two out during the current hurricane period.



LHA Regional Candidate Survey Results on LHA Website

By Joe Brenner

As a service to our members, the LHA Legislative Committee has conducted a survey of lake area candidates for U.S. House of Representatives and the State House of Representatives and Senate for both South Carolina and Georgia. The survey questions address issues and matters of importance to Hartwell Lake residents including water-related topics such as water management, interbasin transfers, Corps performance, boating regulations, etc. It is our hope that we will get a good response from

the candidates. We will consolidate the results and have them available on the LHA website in early October. We will also present an overview of the results at the LHA Fall Information Meeting on October 21st at the Civic Center. Of course LHA, as a non-profit organization, can not endorse any candidates. We do expect, however, that the results will assist our members in making more informed decisions.

This survey will also provide a springboard for LHA to make candidates aware of the issues we are concerned about and to present our positions on these issues in future discussions with our elected officials. The LHA Website is www.lakehartwellassociation.org.

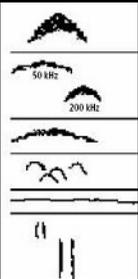
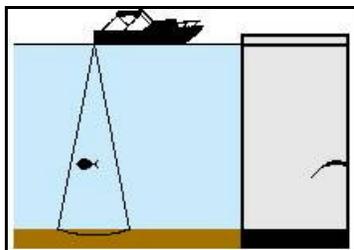
The Boat Doc

Submitted by Jim Gardner

I can still remember the first fish that I ever caught and the thrill that it brought me. My tackle was a bent pin tied to some thread that I pilfered from mom's sewing box. A tiny wad of Merita bread seemed irresistible to the 3 in. creek chub. I was 9 years old. That was 50 years ago but I get that same thrill each time I catch a striper. I have been chasing them around Hartwell for almost 30 years. My tackle has changed since those days when I waded barefoot in the creek. The electronics that I have used to locate fish has changed over the years, too. I started with a Hummingbird Super-Sixty flasher and have worked up through 8 or 9 fish finders to a color, digital unit by Raymarine.

The purpose of this article is to pass along some of what I have learned from years of watching LCD screens while fishing for stripers. Some of the images come from the websites of Eagle/Lowrance and Raymarine and are included here with their permission.

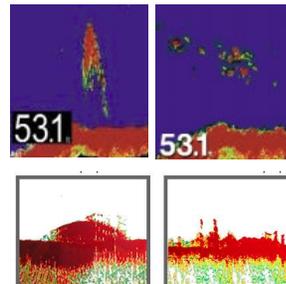
One of the most important distinctions for a fisherman to make is that among fish, bait and structure. Fish usually show on the screen as fish arches. This transducer sends out a sound signal and listens for its echo much the way that bats use sound for locating prey and obstructions. This sound reflects off the swim bladder of the fish and is drawn on the LCD screen as a fish arch. A fish arch along the right-most edge of the LCD display shows a fish directly underneath the transducer. Arches further to the left of the screen show their locations behind the boat.



The size and shape of the arches can reveal much about the size of the fish and the relative motion between the boat and the fish. Generally, the larger the arches the larger the fish are. However, I have caught fish in 90 ft of water that showed up as small fish signals. I believe such small returns are a result of the greater distance to the target and the small swim bladders of fish at such great pressures. Since 50 kHz sounders have wider cone angles, they "sweep" a wider area and fish remain in the sound cone longer. They will be displayed as longer arches than echoes returning to a higher frequency, 200 kHz unit. Sometimes a 50 kHz transducer will show returns from fish that a 200 kHz one does not detect. I like to compare a 50 kHz cone with my shotgun and the 200 kHz cone to my rifle. Schools of fish will show up as a group of arches or "worms." A fish holding directly under a slow moving boat might show up as a horizontal line while those passed over at high speed will display as vertical lines. The shape of the arch is due to the length of time that the fish remains in the sound cone.

There are several features of depth finders on the market today that I consider "must haves" for my type of fishing. Other features are "icing on the cake."

1. They must be **digital** and have **small pixel size** for greater detail. In the two sets of pictures showing the same school of suspended bait and wreck on the bottom, the images on the left came from an analog unit while the ones on the right came from a digital one.



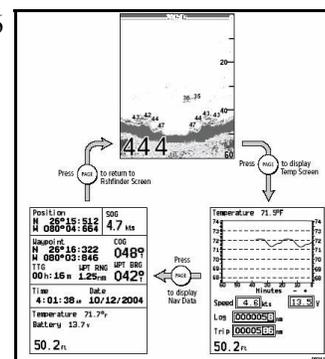
2. They must have **dual transducers**. I like to see the wide view of the 50 kHz transducer and the narrow, detailed view of the 200 kHz transducer in a split view on the screen. The "50" is great when in the search mode.



3. I like to have lots of **information available** when I want it but be able to take it off the screen when I do not need it. For example, when I am trolling long lines I want to know how far the fish arch is behind the boat.

4. I prefer **color displays** over gray scale ones. 256 colors can render more information than 16 shades of gray and are easier to see in daylight.

5. I like to know the surface **temperature** when I am searching for fish up the creeks in the spring and fall.



The only unit that I have found that has all of these features, is compact enough to fit on my crowded console panel and is in my price range is the DS400x by Raymarine. One neat feature is a design that houses 2 transducers, temperature probe and speedometer pickup in a single unit. That means fewer holes to drill under the waterline of your boat. Another desirable feature is that it can display GPS coordinates if it is connected to a GPS receiver that uses the NMEA standards.



It is hard to catch stripers if you can not find them. A good depth finder that displays the most information will improve any fisherman's odds of having a good day on the water.

Images are in color in the eNews edition posted on our website.

Initial Meeting of the Savannah River Basin Coalition

Submitted by Mike Massey

In the last newsletter we announced that the Congressional offices of Representatives Charlie Norwood (GA 9th District), Gresham Barrett (SC 3rd District), and Max Burns (GA 12th District) jointly recommended the establishment of an organization which would represent all of the interests and stakeholders in the Savannah River Basin. The formation of the Savannah River Basin Coalition (SRBC) has resulted from that recommendation. The purpose of the SRBC is as follows:

“SRBC is a bi-state, grassroots, membership organization formed to represent individuals, businesses and industry, local governments, and organizations and agencies with common and vested interests in the Savannah River. A coordinated and single voice to represent the large number of these stakeholders will ensure that the river is protected for all users within the basin and that the states of South Carolina and Georgia will not implement laws, rules or regulations that conflict and do not serve the needs of all stakeholders within the basin.”

LHA has been very concerned about the coordination of water use needs among South Carolina, Georgia and the U.S. Corps of Engineers and feels this committee will establish a process to equitably consider the needs of all water users in the basin. LHA has been named a stakeholder in the committee and I have been appointed to the Board of Directors. South Carolina State Senator Bob Waldrep of Anderson has been named Chairman.

The first meeting of the SRBC Board of Directors was held on August 18th at the Savannah River Rapids Pavilion just outside of Augusta. It was a very productive meeting with attendees discussing many issues as well as providing suggestions regarding ways to proceed for future meetings. Jerry Hardin, SRBC Executive Director, agreed to contact members of other state

agencies in Georgia and South Carolina and have them present and discuss their processes and issues regarding water management and quality in the SRB and their respective state if necessary. Everyone agreed that one of the top issues is the development and approval of a water agreement between Georgia, South Carolina and the Federal Government (Corps) for the management of the SRB.

To read about the purpose, mission statement, By-Laws and function of the SRBC, please access the LHA website at www.lakehartwellassociation.org and select the Savannah River Basin Coalition section. A complete list of the Interim Executive Committee and Interim Board of Directors is also listed on the LHA web site.

We hope all LHA members and area residents and businesses recognize the importance of the SRBC as it relates to the future of the Savannah River Basin water resources and water planning for the future. Watch for updates of the SRBC activities in the future.



From left to right are LHA President Mike Massey, member of the SRBC Board of Directors, Jerry Hardin, SRBC Executive Director and SC State Senator Bob Waldrep, SRBC Chairman discussing water issues related to the SRB.

Encapsulation Reminder

The deadline for all docks to have encapsulated flotation installed is January 1, 2006.

We do not expect any additional extensions of this deadline, so if you still have flotation that is not fully encapsulated, now would be a good time to consider having it done.

A Real Cool Dessert Ice Cream Sandwich Pie

This one is just for the kids.

1 large container of Cool Whip
8-9 ice cream sandwiches
1-2 large Butterfinger candy bars
Chocolate syrup

Spread a thin layer of Cool Whip in the bottom of a 9x13 pan. Arrange a layer of ice cream sandwiches. Spread a thick layer of Cool Whip on top of the ice cream sandwiches. Crush the Butterfingers and sprinkle over the top. Drizzle chocolate syrup over the top. Cover and place in the freezer for 4 or more hours. Serves 8-12.



LAKE HARTWELL ASSOCIATION MEMBERSHIP APPLICATION

DATE _____
NAME _____
MAIL ADDRESS _____
CITY _____ STATE _____ ZIP _____
PHONE (H) _____ (W) _____
E-MAIL _____

Check all of the following that apply:
 Individual (\$15) Renewal
 Family (\$25) New Member
 Community & Development (\$100) Address Change

**Send your check, payable to: Lake Hartwell Association
P.O. Box 312; Fairplay, SC 29643**

Email address: membership@lakehartwellassociation.org

Web Site: <http://www.lakehartwellassociation.org>

LHA Mission Statement

We will develop and establish the Lake Hartwell Association as an organization that promotes and encourages cooperation, assistance, and information exchange among those concerned with Hartwell Lake and the Savannah River Basin.

We will provide a forum to collectively represent our membership on issues that pertain to the development, preservation, and comprehensive management of Hartwell Lake.

We will collect and distribute information on matters affecting Hartwell Lake.

We will maintain liaisons and communications between the Lake Hartwell Association and educational, governmental, scientific, and other communities.

Directors and Committee Chairs

A.C. Forgay, Legislative
Bert Menees, Program/Publicity
Wayne Gaskins, Speakers & Lake Cleanup
Dan Ray, Safety
Vern Sauer, Technical
Clarice Maclay, Membership
Jim Gardner, Publications

Officers

Mike Massey, President
Al Koleff, Vice-President
Pat Goran, Past-President
Robert Foster, Treasurer
Pam Huntley, Secretary

OFFICERS & DIRECTORS

LAKE HARTWELL ASSOCIATION, Inc.
P. O. Box 312
Fair Play, SC 29643