In this issue:
A SAFE Haven for All
Childhood Lead Poisoning Risk Model
FDA Food Spoilage Chart
Chikungunya and the Aedes albopictus in Georgia
Mapping the Mystery of Food Safety and Alcohol Regulations
Georgia Environmental Health Week Declaration
Environmental Health Update from Across the Pond

...and much more!
The Georgia Environmental Health Association, Inc.
is a nonprofit organization incorporated under the laws ofGeorgia, and the recognized Georgia affiliate of theNational Environmental Health Association.Membership dues are $25.00 per year.

Cover Art: This year’s cover art is dedicated to the hardworking Environmental Health professionals in Georgia serving in Emergency Preparedness programs and on response teams. Pictured are professionals gathered at a state sponsored preparedness and planning exercise conducted by the Department of Agriculture, Rapid Response Team in May of 2015. For more about the Rapid Response Team, see the Spotlight on page 18.
MESSAGE FROM THE GEHA PRESIDENT
by R. Chris Rustin, Dr. PH

The Georgia Environmental Health Association’s (GEHA) sole mission is to promote and advocate for the profession of Environmental Health, provide education and training opportunities, and support professional registration. I was humbled to be elected the 2014-2015 President of GEHA, and as I reflect on this past year, GEHA has made many accomplishments.

In order for an organization to be visible and stay current, GEHA must have an up-to-date website with brand recognition. After a recent overhaul, the website now offers a new professional look with improved pages and easier navigation. In addition, membership and conference registration can now be paid for through the website via PayPal.

To promote education, the GEHA board voted to officially sponsor the U.S. Food and Drug (FDA) Regional Food Safety Seminar in Savannah in December. This seminar offered topics on food program standards, new trends in the industry, code updates, and issues all states are facing. The seminar was well attended by all states in Region IV, and as expected had a huge presence by Georgia Environmental Health and Department of Agriculture staff. This was the first time in several years that GEHA sponsored an outside conference of this size, and the FDA Regional Food Specialist conveyed that this was one of the best planned and managed seminars attended in a long time. Additionally, GEHA purchased new software to convert the online journal into a digital magazine.

The State Environmental Health office, GEHA, and the Georgia Board of Registered Environmental Health Professionals strongly encourages Environmental Health staff to become a Registered Environmental Health Specialist/Registered Sanitarian. Becoming registered demonstrates earned expertise, and validates your credibility as an Environmental Health Professional. I am happy to report that we’ve had a large number of staff become registered in the last year, and want to congratulate them on their success.

I would like to thank all of you for a great year - the board, officers, members, Cathy and Hugh Coleman, speakers, and sponsors who make GEHA, and our annual conference, successful each year. The program chair and board have planned a great educational conference in June, and I look forward to seeing many of you there.

I encourage and challenge all of us to increase our membership in GEHA so that we can continue to promote our great profession. There is nothing more honorable than serving and protecting the public, and while we don’t hear it near enough, I say thank you for what you do.

I leave you with the following words of encouragement provided to me:

- Every day you go to work, be proud of what you do
- Take every opportunity you have to embrace and promote your profession
- Even though it’s not always obvious, what you do saves lives and protects public health.

— Chris Rustin, Dr. PH

We encourage you to write to us! Send letters to geha@comsouth.net.
CALL FOR ARTICLES and PHOTOS

The Georgia Environmental Health Association, Inc. (GEHA) invites environmental health professionals, educators, researchers, and other persons or entities to submit manuscripts for possible publication in the Georgia Environmentalist. Original technical papers, review articles or reports on experiences, research, endeavors, management techniques, or current issues are considered. Guest commentaries, letters to the editor, cover art, and other items of interest to the readership are also encouraged. Authors receive no monetary compensation for their contributions. All material is subject to peer review.

GEHA is also accepting photos for journal publication. Photos may include natural scenes of Georgia, photos of Environmental Health in practice. Please, no pictures of pets. Submit articles, letters, and photos for publication to Julia.Campbell.MPH@gmail.com, or call 404-682-2100 for information. If you would like to be added to the mailing list for this publication, you must become a member of GEHA. Please complete the membership form on page 32 or contact GEHA Membership at geha@comsouth.net.
**GET YOUR MESSAGE OUT!**

Advertise in the *Georgia Environmentalist* and increase your business potential!

**Journal Advertising Rates**
- $1500 - Full page ad, recognition at annual conference, banner at golf tournament
- $500 - Full page
- $250 - 1/2 page
- $125 - 1/4 page
- $75 - 1/8 page
- $50 - 1/12 page (business card size)

If you would like to advertise in the *Georgia Environmentalist*, please contact Julia Campbell, Editor at: Julia.Campbell.MPH@gmail.com

ADVERTISING POLICY
GEORGIA ENVIRONMENTAL HEALTH ASSOCIATION, INC.
1 The advertisement of any product in the *Georgia Environmentalist* does not constitute an endorsement of said product by the journal or by the Georgia Environmental Health Association, Inc.
2 Advertisers alone are responsible for all performance claims which are made for any advertised products.
3 The Board of Directors reserves the right to reject any advertisement by returning all copy and any fees paid.
4 Fees collected for advertisements are incorporated into the general funds of the Georgia Environmental Health Association, Inc.

~ GEHA GEAR ~

Purchase GEHA Logo shirts and pins in time for next year’s Annual Education Conference!

GEHA Logo Polo Shirts $20.00
GEHA Logo Lapel Pins $3.00
GBREHP Logo Pins $5.00

Send order and check made payable to GEHA to:
Georgia Environmental Health Association
397 Eastman Parkway
Hawkinsville, GA 31036
geha@comsouth.net

**STAY INFORMED!**

Check out our website at [WWW.GEHA-ONLINE.ORG](http://WWW.GEHA-ONLINE.ORG) to get valuable information about GEHA

♦ Membership
Apply online, or send in the membership form and you will get the official publication of GEHA, *Georgia Environmentalist*, a discount on annual education conference registration, GEHA publications, voting privileges in GEHA, and much more!

♦ Conferences
The 2016 GEHA Annual Education Conference is a great place to network with peers, attend interactive educational seminars, and get your continuing education credits. Contact GEHA for more information!

♦ Professional Registration
Professional credentials are one way of telling your clientele that your training and experience have enabled you to answer their questions and improve their safety. The Georgia Board of Registered Environmental Health Professionals offers opportunities for internationally recognized registration, continuing education, responsible leadership, and job growth.

In addition, the website contains:

♦ Pictures from the annual conference
♦ Environmental health links
♦ Award recipients
♦ GEHA publications
♦ Details about the UK Partnership agreement
♦ Over 30 documents (including lists of certified tank installers and pumpers, study guides, product approval documents, committee reports, rules and regulations, educational materials, and much more!).

GEHA is always open to comments or suggestions for improving the website. Please direct all comments to: geha@comcast.net.

[WWW.GEHA-ONLINE.ORG](http://WWW.GEHA-ONLINE.ORG)
Top 3 Reasons To Be A Registered Environmental Health Professional

1. Professional credentials are one way of demonstrating your earned expertise and validating your credibility. It is a way of telling your clientele that your training and experience have enabled you to answer their questions and to improve their safety. In a time of continuous budget-cutting, it is important for our clientele to know that you have the broad-base expertise important to community and individual health and safety.

2. Professional credentials are a way of expressing your commitment to achieving your personal best for the clientele you serve. Credentials proclaim that you care, that you are on the leading edge of your profession and that you endeavor to stay current on emerging issues in environmental health through continuing education.

3. The Georgia Board of Registered Environmental Health Professionals is a growing, mentoring body. It offers the environmental health professional opportunities for continuing education, responsible leadership, and job growth. Credentials make you more marketable, affording better flexibility, mobility and job security. Position upgrades for environmental health professionals are slowly being implemented throughout the state, partially as a result of the work of this Board. Getting the credential is just the first step. We have a lot of work to do, and we need every environmental health professional's participation to make environmental health in Georgia the best it can be.
The **GEORGIA ENVIRONMENTAL HEALTH ASSOCIATION, INC.** promotes and supports the efforts of, and provides training and registration for, individuals working in environmental health fields in government, academia, industry and business. The field of Environmental Health developed decades ago by successfully using the epidemiologic model for the sole purpose of preventing disease. Today, environmental concerns are becoming more prevalent among our citizens and, in Georgia; GEHA members are leaders in the field of Environmental Health.

**GEORGIA DEPARTMENT OF PUBLIC HEALTH ENVIRONMENTAL HEALTH**

Inspecting and permitting on-site sewage management systems, food service establishments, tourist accommodations, and public swimming pools - childhood lead poisoning prevention - rabies and vector control - injury prevention - hazardous materials exposure investigations - epidemiologic investigations - indoor air quality - nuisance complaints - individual and non-public water systems - Georgia healthy farmers.

**GEORGIA DEPARTMENT OF AGRICULTURE**

Inspecting and permitting food products including meat, eggs and milk in grocery stores, bakeries, food processing plants, bottled water and soft drink bottling plants, farmers markets and meat, and seafood dealers - inspecting commercial scales and fuel pumps for accuracy - licensing and monitoring commercial nurseries, lawn care companies, exterminators, pesticides, pet and animal industries - testing dairy cattle and equipment - assuring proper formulation of fertilizers, pesticides, feeds and fuels - enforcing fair standards in the purchase of grain and livestock - monitoring the health of livestock in the state as well as those imported into Georgia.

**UNIVERSITY OF GEORGIA SCHOOL OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES**

The college of agricultural and environmental sciences promotes economic viability and global competitiveness of Georgia agriculture, fosters environmental stewardship and wise management of natural resources, and ensures the production and distribution of safe food, feed and fiber.

**Mission:**
- To provide baccalaureate and graduate education in agricultural and environmental sciences that promotes excellence in student achievement and prepares students to effectively contribute and excel in a changing world;
- To inquire into the nature of agriculture and the environment, through the discovery, interpretation and creative application of knowledge;
- To serve the public through timely education of producers, consumers and agribusiness using relevant, accurate and unbiased research-based information, and
- To improve the quality of life through youth development and life-long education.

**BUSINESS AND INDUSTRY**

Georgia business and industry support and encourage a wide variety of environmental leadership initiatives. They share a commitment to the environment based on the principle that they shall conduct business in ways that protect and preserve our environment. Furthermore, they promote a philosophy of shared responsibility, where all participants in the supply chain accept responsibility for the environmental impacts occurring in their specific part of the chain. Working together with suppliers, customers, regulators and other environmental partners, Georgia business and industry achieve an effective balance between responsible environmental and economic stewardship.
Springtime in Georgia brings many welcomed sights from cherry blossoms in Macon to the beautiful vistas of our many state parks where visitors can enjoy hiking, boating and other out-doors activities. Springtime is also the time when our seasonal climate change brings storms and of course, as we progress into summer, the beginning of hurricane season. In fact, June is National Disaster Preparedness Month.

Hurricane season for the Atlantic begins June 1 and ends on November 30. Historically some of the most devastating storms have occurred late in the season, including the notorious “perfect storm” in October 1991, later dramatized by the movie “The Perfect Storm”. In 2005 Hurricane Katrina, a category 3 storm caused more than 100 billion dollars in damage due to massive flooding and failure of levees to hold back tidal waters. However for many the loss of personal property paled in comparison to the hundreds of family pets left behind due to lack of available pet-friendly transport.

In answer to this heart-rending situation, the State of Georgia has developed the state’s first State Animal Facility for Emergencies, also known as the “SAFE Center”. The SAFE Center began operation in 2011, and is located at The Department of Veterinary Science & Public Health on the main campus of Fort Valley State University. The 7800 square foot facility can house 105 dogs, 80 cats, and 30 horses. It was located in Central Georgia to serve as a safe haven for animals and their caretakers fleeing the coastal areas in the event of evacuations.

Directed by Dr. George McCommon, the SAFE Center is a result of a $750,000 funding effort made from the State of Georgia, and while no storms have sent animals fleeing to its safety just yet, it plays an integral part in state disaster preparedness planning including yearly simulation exercise each May in preparation for the upcoming storm season. In an emergency situation, the SAFE Center will be staffed by a minimum of 16 people including 6 Georgia Department of agriculture employees and ten members of the veterinary medical staff.

FOR MORE INFORMATION

Dr. George McCommon, Director
Department of Veterinary Science and Public Health
Fort Valley University
(478) 825-6353
mccommog@fvsu.edu
Childhood Lead Poisoning Risk Model Efficacy as an Accurate Predictor of Lead Exposure
by R. Chris Rustin, DrPH, REHS

Lead poisoning is a significant public health problem with paint from old housing exposing thousands of children and leading to negative health and social outcomes. Identifying the highest risk children exposed to lead is important to public health agencies. The purpose of this study (dissertation) was to evaluate and assess the efficacy of a new geographically-based lead risk model that when combined with a child’s physical address, predicts the extent of a child’s risk of lead poisoning on a numeric risk scale.

This model is unique because it calculates risk at the address level from parcel attributes of age and type of housing (rental or owner-occupied) combined and adjusted with historic blood lead surveillance data to create a final predictive risk map. If found efficacious, the model would assist lead poisoning prevention programs in being more cost-effective by creating a verified approach for targeting prevention efforts. To assess the models efficacy, a pilot study was conducted using three years of blood lead records from Macon-Bibb County, which has the second highest prevalence rate of lead exposure in Georgia. Physical addresses obtained from the blood lead records were geocoded and assigned a risk by the model. The predictive risk was compared to blood lead results and statistically analyzed to determine if risk increased with increased blood lead results.

From the data, the model calculated a risk of level one for 16,602 (33%) of the parcels, representing low risk homes built after 1978 and the subsequent lead paint ban. Risk level three was assigned to 16,396 (33%) for potential rental housing units built between 1950 and 1978. Risk level four was assigned to the fewest number of units at 2,332 (5%) units for owner occupied units built before 1950, but many owner occupied homes are occupied with children, and remodeling activities can place those children at risk if not done properly. The highest risk children are the 7,905 (16%) parcels with a predicted risk of five. These parcels have housing units that are potential rental units built before 1950 carrying the highest risk of lead exposure.

Results demonstrated that the risk model accurately estimated risk when compared to blood lead levels with statistical significance, therefore this model can be used to target the highest risk homes and children for public health interventions, and to identify low risk Medicaid children for exemption from lead testing. Data for this model was validated by comparing risk of homes to known blood lead levels of children using various statistical procedures. This lead risk model can be expanded to other high risk counties to focus the Department’s targeted prevention efforts.

FOR MORE INFORMATION
http://digitalcommons.georgiasouthern.edu/etd/48/
Sometimes determining the freshness of food in the fridge can be tricky. While some foods may look fine or pass the “smell test”, there are varying spoilage times that you have to keep in mind. Eating food that is past its prime can not only not taste right but also get people very ill. This is a great guide to the shelf life when refrigerated of many popular foods. Remember: when in doubt, throw it out!

### FDA Food Spoilage Chart

Since product dates aren’t a guide for safe use of a product, consult this chart and follow these tips. These short but safe time limits will help keep refrigerated food 40°F (4°C) from spoiling or becoming dangerous.

- Purchase the product before “sell-by” or expiration dates.
- Follow handling recommendations on product.
- Keep meat and poultry in its package until just before using.
- If freezing meat and poultry in its original package longer than 2 months, overwrap these packages with airtight heavy-duty foil, plastic wrap, or freezer paper, or place the package inside a plastic bag.

Because freezing 0°F (-18°C) keeps food safe indefinitely, the following recommended storage times are for quality only.

#### Product

<table>
<thead>
<tr>
<th></th>
<th>Refrigerator</th>
<th>Freezer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eggs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fresh, in shell</td>
<td>4 to 5 weeks</td>
<td>Don't freeze</td>
</tr>
<tr>
<td>Raw yolks, whites</td>
<td>2 to 4 days</td>
<td>1 year</td>
</tr>
<tr>
<td>Hard cooked</td>
<td>1 week</td>
<td>Don't freeze well</td>
</tr>
<tr>
<td>Liquid pasteurized eggs or egg substitutes. opened</td>
<td>3 days</td>
<td>Don't freeze</td>
</tr>
<tr>
<td>unopened</td>
<td>10 days</td>
<td>1 year</td>
</tr>
<tr>
<td>Mayonnaise, commercial</td>
<td>2 months</td>
<td>Don't freeze</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>TV Dinners, Frozen Casseroles</strong></th>
<th>Keep frozen until ready to heat</th>
<th>3 to 4 months</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deli &amp; Vacuum-Packed Products</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Store-prepared (or homemade)</td>
<td>3 to 5 days</td>
<td>Don't freeze well</td>
</tr>
<tr>
<td>egg, chicken, tuna, ham, macaroni salads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-stuffed pork &amp; lamb chops, chicken breasts stuffed w/dressing</td>
<td>1 day</td>
<td>Don't freeze well</td>
</tr>
<tr>
<td>Store-cooked convenience meals</td>
<td>3 to 4 days</td>
<td>Don't freeze well</td>
</tr>
<tr>
<td>Commercial brand vacuum-packed dinners with USDA seal, unopened</td>
<td>2 weeks</td>
<td>Don't freeze well</td>
</tr>
</tbody>
</table>

| **Raw Hamburger, Ground & Stew Meat** |                           |               |
| Hamburger & stew meats             | 1 to 2 days                | 3 to 4 months |
| Ground turkey, veal, pork, lamb    | 1 to 2 days                | 3 to 4 months |

| **Ham, Corned Beef**               |                            |                |
| Corned beef in pouch with pickling juices | 5 to 7 days | Drained, 1 month |
| Ham, canned, labeled “Keep Refrigerated,” unopened | 6 to 9 months | Don't freeze |
| opened                            | 3 to 5 days                | 1 to 2 months |
| Ham, fully cooked, whole          | 7 days                     | 1 to 2 months |
| Ham, fully cooked, half           | 3 to 5 days                | 1 to 2 months |
| Ham, fully cooked, slices         | 3 to 4 days                | 1 to 2 months |

| **Hot Dogs & Lunch Meats**         |                            |                |
| Hot dogs, opened package           | 1 week                     | 1 to 2 months |
| unopened package                   | 2 weeks                    | 1 to 2 months |
| Lunch meats, opened package        | 3 to 5 days                | 1 to 2 months |
| unopened package                   | 2 weeks                    | 1 to 2 months |

| **Soups & Stews**                  | 3 to 4 days                | 2 to 3 months |
| Vegetable or meat-added & mixtures of them |                     |               |

| **Bacon & Sausage**                |                            |                |
| Bacon                              | 7 days                     | 1 month        |
| Sausage, raw from pork, beef, chicken or turkey | 1 to 2 days | 1 to 2 months |
| Smoked breakfast links, patties    | 7 days                     | 1 to 2 months |
| Summer sausage labeled “Keep Refrigerated,” unopened | 3 months | 1 to 2 months |
| opened                            | 3 weeks                    | 1 to 2 months |

| **Fresh Meat (Beef, Veal, Lamb, & Pork)** |                            |                |
| Steaks                              | 3 to 5 days                | 6 to 12 months |
| Chops                               | 3 to 5 days                | 4 to 6 months |
| Roasts                              | 3 to 5 days                | 4 to 12 months |
| Variety meats (tongue, kidneys, liver, heart, chitterlings) | 1 to 2 days | 3 to 4 months |

| **Meat Leftovers**                 |                            |                |
| Cooked meat & meat dishes          | 3 to 4 days                | 2 to 3 months |
| Gravy & meat broth                 | 1 to 2 days                | 2 to 3 months |

| **Fresh Poultry**                  |                            |                |
| Chicken or turkey, whole           | 1 to 2 days                | 1 year         |
| Chicken or turkey, parts           | 1 to 2 days                | 9 months       |
| Giblets                            | 1 to 2 days                | 3 to 4 months |

| **Cooked Poultry, Leftover**       |                            |                |
| Fried chicken                      | 3 to 4 days                | 4 months       |
| Cooked poultry dishes              | 3 to 4 days                | 4 to 6 months |
| Pieces, plain                      | 3 to 4 days                | 4 months       |
| Pieces covered with broth, gravy   | 3 to 4 days                | 6 months       |
| Chicken nuggets, patties           | 3 to 4 days                | 1 to 3 months |

| **Fish & Shellfish**               |                            |                |
| Lean fish                          | 1 to 2 days                | 6 months       |
| Fatty fish                         | 1 to 2 days                | 2 to 3 months |
| Cooked fish                        | 3 to 4 days                | 4 to 6 months |
| Smoked fish                        | 14 days                    | 2 months       |
| Fresh shrimp, scallops, crawfish, squid | 1 to 2 days | 3 to 6 months |
| Canned seafood                     | after opening              | out of can     |
| Pantry, 5 years                    | 3 to 4 days                | 2 months       |

Available at: [www.fda.gov/downloads/Food/ResourcesForYou/HealthEducators/UCM109315.pdf](http://www.fda.gov/downloads/Food/ResourcesForYou/HealthEducators/UCM109315.pdf)
Chikungunya and the *Aedes albopictus* in Georgia

by Rosmarie Kelly, PhD

On July 15, 2014 the State public health entomologist received a call from the Public Works Superintendent of Streets & Parks in a small Georgia town. An employee at the Public Works office downtown had been hospitalized with an unknown illness. Doctors suspected an arboviral disease. The employee had a high fever (105°F), joint pain, nausea and vomiting, a low WBC count, abnormal liver enzymes and platelet counts. The onset of illness has been July 4th. There was no travel history.

This same small town had recently reported two travel-associated Chikungunya (CHIK) cases in residents who lived in the same general area, one within ¼ mile. *Aedes albopictus*, a competent vector, is common in the town. The case symptoms were compatible with CHIK. The timing worked.

So why, aside from the fact that chikungunya is poised to be imported to new areas by infected travelers, is this story of interest? First, there is a lag in notification about potential CHIK cases both to and from the state health department. The health department is often not notified about cases until well after the infected person could have been fed upon and infected local mosquitoes. Added to that, there is a HUGE lag in testing for CHIK, so even when a case is suspected, it can take months for the case to be confirmed. Of more import, local mosquito control was never notified of the travel-associated cases, because, as is far too often the case, mosquito control and the local health department do not have a working relationship.

There appears to be a lack of understanding that CHIK cases produce sufficient viremia to infect mosquitoes during the first week or so of illness. Delays in testing and reporting increase the probability of local mosquitoes becoming infected.

Florida is the only state in the US to have reported locally acquired cases of chikungunya. The numbers, though small, have increased more than 100% since July 2014, according to the latest federal data.

Durland Fish, a professor of entomology at Yale University’s School of Public Health, worries that mosquito control and public health are not doing enough to coordinate efforts to stop chikungunya from spreading once travel-associated cases are reported.

After being notified of the unknown fever case, the Health District did send out an epidemiologist to facilitate testing of the unknown fever case. It eventually turned out that the cause of this case of unknown fever was not chikungunya. However, aside for pointing out some very large gaps in Georgia’s response to CHIK, it did prove to be a useful exercise for mosquito control. The local mosquito control program, a small complaint

---

**Rosemarie Kelly, PhD** is the state Public Health Entomologist in the Georgia Division of Public Health, Department of Community Health. Currently as the Public Health Entomologist, Dr. Kelly is responsible for mosquito control and outreach in Georgia. She provides training and support, monitors insects, monitors insect transmitted disease, provides training and technical assistance to county and district public health, and she manages emergency mosquito control for state emergency preparedness and response in Georgia.

Dr. Kelly, received a Bachelor of Arts in Biology and Psychobiology from Hiram College in 1978, her Master of Science in 1984 in Zoology (Parasitology) at Ohio State University, her Master of Arts in Teaching in 1987 from Kent State University in Secondary Education of Biology and General Science, her Doctorate of Philosophy in Medical Entomology in 1994 from the University of Massachusetts, Cartography Certification from Salem State College in 1996, and her Master of Public Health from Kent State University in 2001.

In 2002, she joined the Georgia Division of Public Health as the state entomologist, and has served as a guest researcher at the Centers for Disease Control and Prevention (CDC) National Center for Zoonotic, Vector-Borne, and Enteric Diseases in Atlanta, GA.
- driven program located within the town’s public works agency, reached out to and built working relationships with other local mosquito control programs. After contacting the State public health entomologist, they did a walk-through of the site to evaluate the potential for the presence of the vector, *Aedes albopictus*. They contacted their mosquito control products vendor and borrowed a second ULV sprayer. They worked with a larger program to do surveillance at and around the site, and based their control on the data they collected. They discussed the possibility of testing mosquitoes for CHIK if the employee turned out to have chikungunya. They looked into the possibility of buying or borrowing a thermal fogger. They also discussed the possibility of doing aerial surveillance if chikungunya was being transmitted locally.

Mosquito control controlled the release of information. There was no media circus. They did inform key officials – the city manager and the local hospital administrator – who spread the information to the local healthcare community. Overall, with the exception of the initial lack of information sharing from the State and local public health offices, the response of the town to a possible locally-acquired CHIK case was appropriate and timely based on notification of mosquito control.

It is important that we remember that the health department and mosquito control are both components of public health and need to work together to deal with vector-borne diseases. Fortunately there are a few health departments that do work closely with mosquito control. However, too many health departments are not even aware of mosquito control programs in their counties. Given the very real possibility of Chikungunya cases occurring in Georgia, this is a dangerous practice.

---

Rosmarie Kelly, PhD
Public Health Entomologist
Zoonotic and Vector Borne Diseases Team
Epidemiology Branch
Georgia Department of Public Health
2 Peachtree St NW, 14th Floor
Atlanta, GA 30303
404-657-2912

---

**New to Georgia!**

The **Center for Hard to Recycle Materials**, (or CHaRM), has expanded its operations nationwide and opened two locations—one in Atlanta and one in Athens. CHaRM facilities are brought to us by Live Thrive Atlanta. Live Thrive Atlanta is a 501(c)3 non-profit organization that empowers people, organizations, communities and businesses to make positive, healthy and sustainable changes to the environment. Through partnerships and community events, Live Thrive Atlanta has diverted over 300,000 pounds of hazardous waste from Metro-Atlanta’s water system and landfills.

In recognition of its efforts, Live Thrive Atlanta received the Georgia Recycling Coalition Green Steward Award August 2013, Atlanta Business Chronicles Enovation Environmental Award in April of 2012, the Fulton County Citizens Commission Environmental Award for enhancing and protecting the environment in May of 2012 and Keep Georgia Beautiful's Waste Reduction Award November 2012.

CHaRM not only provides recycling services for household items beyond curbside pick-up materials, but also provides environmental education classes and facilities, but also offers on-site community gardens.

Bring your mattresses, electronics, TVs, old tires, partially used household chemicals and paints, and many other hard to recycle materials to either location.

For more information visit [http://livethrive.org/charm](http://livethrive.org/charm). To find out about opening a facility in your area, visit [www.livethrive.org](http://www.livethrive.org) or contact Peggy Whitlow Ratcliffe at (404) 771-5322 or email at pwhitlow@livethrive.org.
Annual Meeting of the
GEORGIA BOARD OF REGISTERED
ENVIRONMENTAL HEALTH
PROFESSIONALS
www.gehaorg.net

BOARD SUMMARY

The GBREHP Annual Business Meeting was held in
Macon, Georgia on February 20, 2015.

An Overview of the Georgia Food and Feed
Rapid Response Team
Brandon Sauceda
Georgia Department of Agriculture

Environmental Health Strike Teams/
Mass Fatalities
Byron Lobsinger
Environmental Health Emergency Planner
Georgia Department of Public Health

HAZWOPER Overview
Kevin Kemperman
Director – Hazardous Materials Training Program
Georgia Tech Research Institute

Emerging Zoonotic Pathogens
Oreta Samples, RVT, MPH, DHSc
Veterinary Science & Public Health
Fort Valley State University

For more information on becoming registered, please see
instructions on page 6, contact us on Facebook, or email
geha@comsouth.net.

NEWLY CERTIFIED MEMBERS

The GEHA Board of Directors and Members
congratulate individuals for completing the
Environmental Health Specialist/Sanitarian
Registration Program in 2014.

Leon Smith
Mandy Seaman
Renita Stroup

Brad Wiggins
Kelly McDonner
Zachary Burkhalter
2015 GEHA ANNUAL EDUCATION CONFERENCE
June 9-12, 2015
AGENDA

Tuesday, June 9, 2015

IRVING BELL GOLF TOURNAMENT

CONFERENCE REGISTRATION

Wednesday, June 10, 2015

Welcome
Jennifer Fullbright, North Health District 1-2

Comments from the Department of Public Health
James Howgate (for Commissioner Brenda Fitzgerald)

EXHIBITOR BREAK
(Sponsored by Kroger)

Venomous Spiders of the Southeastern US:
The Unexpected Environmental Threat
Alex Collins, South Health District 8-1

Improving Information Flow with Help from your PIO
Jennifer King and Sarah Peck, North Health District 1-2

HOSPITALITY RECEPTION

CORNHOLE TOURNAMENT

Thursday, June 11, 2015

Comments from Department of Agriculture
Commissioner Gary Black

EXHIBITOR BREAK

Thursday, June 11, 2015, continued...

Shock and Ahhh
Jordan H. Maeson, M.D., Safer Dining, LLC

Mapping the Mystery of Food Safety & Alcohol Regulations
Mick Miklos, MA, National Restaurant Association

AWARDS LUNCHEON
(Sponsored by Infiltrator)

Statewide Evaluation of Foodservice Worker Health Policies in Georgia: Can Policies Be Enforced and Compliance Measured?
Ellen Steinberg, PhD, RD, LD, University of Georgia Graduate

Understanding the Value of Health Impact Assessment
Faith Flack, Department of Public Health

Decentralized Wastewater Treatment: Current Trends and Emerging Technologies
Chris Kumnick, Department of Public Health

Friday, June 12, 2014

Information Driven Policy and Planning: Learning and Developing the Story
Tim Callahan, Department of Public Health

EXHIBITOR BREAK
(Sponsored by Kroger)

Baylisascaris procyonis: A Nematode Threat to Children and Hunters in Rural Settings
Alex Collins, South Health District 8-1

GEHA BUSINESS MEETING
GEHA 2014 Interstate Environmental Health Seminar Irving Bell
Golf Tournament was held at the Crosswinds Golf Club in Savannah, GA

GEHA Irving Bell Golf Tournament was in full swing for 2014! Fore!
2014 CONFERENCE SNAPSHOTs

GEHA 2014 Interstate Conference was held at the Hyatt in Savannah, GA

Left: Chris Calhoun receives the GEHA Award for Meritorious Service.

Middle: GEHA Environmentalist of the Year, John Ford.

Right: past-president Kathy Worthington passes the gavel to 2014-2015 President Chris Rustin

IEHS attendees and speakers alike enjoy networking, exhibits, presentations, and the Savannah, Georgia coastal waterfront.
SPOTLIGHT ON ENVIRONMENTAL HEALTH

Rapid Response Team
Brandon Saucada, Program Manager
Georgia Department of Agriculture
Food Safety Division
19 Martin Luther King, Jr. Dr. SW
Atlanta, GA 30334
(404) 656-3621

The Georgia Rapid Response Team (RRT) at the Department of Agriculture is an integrated food safety system designed to protect public health with the goal of addressing the need for improved, integrated rapid response to food and feed emergencies. The overall mission of the RRT is to characterize, investigate, mitigate, and conclude food and feed emergencies as a part of a coordinated federal-state-local integrated food safety system. The RRT also serves as resource to the community and industry, especially during a natural disaster, by providing information on the salvaging and protection of perishable foods in emergencies and information on the sorting and disposal of potentially contaminated foods.

The RRT has successfully integrated the Georgia Departments of Public Health, Natural Resources, and the Emergency Management Agency. Additionally, the RRT was able to open communication and partner with neighboring federal agencies, such as the Centers for Disease Control, the Food and Drug Administration, the U.S. Department of Agriculture, and the U.S. Department of Homeland Security. In the past three years, the RRT has helped develop and revise best practice guidelines, standard operating procedures, and memorandums of understanding to build and strengthen the state’s capability and capacity to respond to food and feed emergencies. As a result, the state is now better prepared for a public health response to natural disasters (such as hurricanes, floods, droughts or ice storms), unintentional contaminations (such as foodborne illness outbreaks, allergen alerts, or extensive recalls), and even intentional contaminations or acts of bioterrorism.

Today, the RRT has become one of the premiere and most integrated food safety response teams in the country. The team serves as an excellent medium to bring all the relevant federal, state, and local officials together to train for real-world food and feed safety events that may threaten the public.

ACHIEVEMENTS

• **2015:** "SCHOOL LUNCH BLUES", a coordinated, unified incident exercise for an outbreak of salmonella in apple juice successfully completed.
• **2013:** RRT MONITORED POWER OUTAGES during the ice storm to understand the impact on food safety.
• **2012:** GRANT FUNDING SECURED
• **2010:** RAPID RESPONSE TEAM FORMED with the Food and Drug Administration (FDA), and partnered with state and federal agencies to create an integrated food safety system.

2015 GOAL

**THE GDA RRT** primary goal for 2015 was to develop and exercise a coordinated and standardized response structure with all participating members and partners. In 2015, RRT is planning to achieve this by:

• Coordinating regional response functional exercises using the Unified Incident Command System.
• In May, RRT conducted a regional response exercise to an outbreak of salmonella linked to packaged apple juice products distributed to elementary, middle, and high schools.
Mapping the Mystery of Food Safety and Alcohol Regulations
by Mick Miklos, M.A.

Mark “Mick” Miklos, M.A. is the Senior Manager for Program Compliance at the National Restaurant Association where he helps lead, develop and coordinate a suite of services relating to ServSafe and regulatory compliance for Association members. Previously he was the VP for Food Safety & Training at Waffle House, Inc. where he worked for 17 years.

Mick is active on numerous boards and committees including the FDA Restaurant Food Safety Partnership, the Demonstration of Knowledge Committee of the Conference for Food Protection, the Georgia Restaurant Association’s Advisory Board, AFDO’s Retail Food Committee, and the Saniprofessional Food Safety Advisory Council.

Mick has co-authored three articles for Food Safety Magazine and the Georgia Environmentalist. In 2012, he received The National Restaurant Association’s Operator Innovation Award for Food Safety for his work on emergency preparedness and response after natural disasters. He holds Bachelors and Masters Degrees from the University of South Carolina.

The National Restaurant Association’s ServeSafe regulatory maps are a one stop visual repository for food safety and alcohol regulations at the state and local level. Take a guided tour and learn how to use the maps to find food code requirements for manager, food handler, and safe alcohol service in every state and county, and in some cities, coast to coast. With this tool, regulators will learn how to navigate the easy to use interactive features of the regulatory map that allow you to drill down data by jurisdiction; how to register for access to a level of detail available only to the regulatory community and state restaurant associations; and how to verify the accuracy of regulation information in their jurisdictions, provide notice of new or changing regulations, be able to compare regulations to other jurisdictions’ requirements.

Regulatory Map Tutorial - Learn more

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Search by State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Safety Manager</td>
<td>Alabama</td>
</tr>
</tbody>
</table>

Change Program  Update Map

Legend:
- County Requirements
- State Requirements - Certification
- State Requirements - Demonstration Of Knowledge
- Voluntary

Food Safety Manager Program

Map tools guide:
- Zoom In
- Zoom Out
- Enlarge Area
- Reset View

ServSafe
National Restaurant Association

National Restaurant
Association
BY THE GOVERNOR OF THE STATE OF GEORGIA

A PROCLAMATION

ENVIRONMENTAL HEALTH WEEK

WHEREAS: Georgia is richly blessed with natural resources and diverse ecosystems of Mountains, the Piedmont, Coastal Plains, Barrier Islands, and rivers connecting the mountains to the sea. The state’s environmental health is affected by interactions between humans and their surroundings; and

WHEREAS: Environmental Health professionals work in various programs to protect the public’s health including programs that focus on food safety, land use, tourist accommodations, public pools, community hygiene, safe drinking water, chemical hazards, lead poisoning prevention/healthy homes, infectious agents, and emergency preparedness; and

WHEREAS: Environmental Health professionals protect the well-being of citizens and visitors of Georgia by assuring that environmental conditions in which people live, work, and play are healthy; and

WHEREAS: The important work of Environmental Health professionals protect the health of all Georgia’s citizens and natural resources and is important to the state’s continued well-being and economic growth. I encourage the citizens of this state to maintain and conserve our natural resources and appreciate the importance of environmental health; now

THEREFORE: I, NATHAN DEAL, Governor of the State of Georgia, do hereby proclaim June 8–12, 2015, as ENVIRONMENTAL HEALTH WEEK in Georgia.

In witness thereof, I have hereunto set my hand and caused the Seal of the Executive Department to be affixed this 27th day of May in the year of our Lord two thousand fifteen.

[Signature]
GOVERNOR

[Signature]
CHIEF OF STAFF
The Member of the Year award is a way for GEHA to recognize one outstanding professional Environmentalist for their contributions to the field during the year. The winner is selected by the Nominations Committee. The winner must be a GEHA member. Winners are announced at the Annual Education Conference and given a plaque and official recognition from their peers.

GEHA NEWS

Continued on page 26

2014 Member of the Year!

The 2014 GEHA Member of the Year is...JOHN FORD! John Ford is the Georgia representative of Infiltrator, and an active GEHA member. He is a graduate of Georgia Southern University with a bachelor of science degree in biology, a minor in chemistry, and minor in business. John was a member of Sigma Chi Fraternity, and of the Omega National Honors Society. Post graduation, he began work for Infiltrator in 2001, where he has worked since. Congratulations John!

NEW LIFETIME HONORARY MEMBERS

At our conference in 2014, the Awards Committee Chair, Dwain Butler, bestowed the following retirees with an honorary lifetime membership to GEHA for their dedicated service:

Scott Uhlich       Linus Woodard       David Perry

GEHA Membership is only $10/year!
With your student membership you get:
- A subscription to GEHA’s official publication, Georgia Environmentalist
- Reduced price registration for the GEHA Annual Education Conference
- Scholarship and mentorship opportunities
- Committee internship opportunities

For Students!

The Georgia Department of Agriculture, along with the Departments of Transportation and Economics, initiated an Agritourism Program in the state of Georgia. Agritourism road signs provide tourists unique opportunities to enjoy Georgia’s resources and companies as they travel the roads. For more information, go to: http://georgiagrown.com/activities/agri-tourism

Georgia Environmentalist Volume 37
Environmental Health from Across the Pond Update
by Peter Wright, (Ret.) Chartered Institute for Environmental Health

Just a little bit about me to start with. I am a Chartered Environmental Heath Practitioner in the United Kingdom (now retired). Over my career I have worked for five local authorities covering just about every aspect of environmental and public health – I was never a specialist!

After taking retirement from practice I worked for several years in the field of education and training of Environmental Health Practitioners. I live in the north west of England about 20 miles north of Manchester.

I have an interest in international affairs and have attended seven recent National Environmental Health Association Annual Education Conferences. I have assisted several US sabbatical winner practitioners when they have visited the UK. But enough about me!

Plenty has been happening in the last couple of months for Environmental Health in the U.K. On 17 May, 2015 we had a general election. The Conservative Party was retuned with a clear majority - no need for a coalition government for the next five years.

So what did the Conservatives promise us? Well I’ve just picked out a few bits from their election manifesto which refer to health generally:

**A Healthy Nation** - Additional funding for the National Health Service (NHS), all patients to have access to a named general practitioner, and 5,000 more general practitioners to be trained.

**Healthy Business** – Cutting business regulation, simplifying European Union (EU) rules, investment in an innovative technology market.

**Healthy Lifestyles** – Ensure farming is included in free trade agreements with the US, and support the introduction of additional food labelling to give consumers more information about where and how food is produced.

**Healthy homes** – keep mortgage rates low, build 200,000 starter homes, require all landlords to install smoke and carbon monoxide (CO) alarms in their properties.

**A Healthy Environment** – Reduce carbon emissions, work with partners to develop Europe’s shale gas resource, act to reduce energy bills for householders, invest more in flood defences.

**Safe, Healthy Communities** – Step up European cooperation in the fight against modern slavery and female genital mutilation, and scrap the Human Rights Act.

**A Fairer World** – increase opportunities for the poorest countries to trade with the EU, a focus on jobs, economic growth, absence of conflict, and women’s’ rights.

That’s just a flavour from the manifesto.

During the election campaign all parties spoke with passion about our National Health Service (NHS) which is under great pressure in many areas, particularly accident and emergency, and also in making the best use of available finance. All public services in the UK including local authorities have seen their budgets cut quite severely over the past few years.

[Personally, I’m a believer in ‘joined up working’ to get the best possible public health outcomes by local authorities—who have responsibility for public health, the NHS, and many other organisations acting together for the common good. In my opinion, hopefully over the next few years we’ll see an improvement in this sort of preventative medicine, therefore resulting in a longer and better life for all with far fewer admissions to hospitals, and less pressure on our general practitioner services. We’ll see how things turn out.]

So what else is happening in the UK? Continuing on, I’ve included some brief snippets of interest from recent editions of Environmental Health News:

The Chartered Institute for Environmental Health (CIEH) recently launched a new membership organization: The Institute of Food Safety, Integrity and Protection (TIFISP). It was created in recognition that food safety and the integrity of the food chain for consumer protection
can only be achieved through a collaborative venture across the whole industry. TIFSIP will work with government agencies, regulators, the food industry and other professional bodies to support coordination of good practice and standards in an ever changing world.

Noise complaints from places of worship appear to be increasing. Whether it’s church bells, a charismatic church, or a call to prayer, emotions invariably run high and local authorities need to act with sensitivity in dealing with such issues.

A new system to fight food fraud, threat analysis critical control point (TACCP), was recently introduced. TACCP is a management system closely allied to HACCP, and is designed to simultaneously manage unintentional and intentional contamination (i.e. criminal activity), as well as economically motivated adulteration.

An outbreak of H5N8 bird flu at a duck breeding farm in Yorkshire occupied many Environmental Health Officers in preventing spread of the disease.

In 2010, local authorities were required within to assess the risks from private water supplies (except those serving single premises) within five years. I don’t know what the current picture is, but at the end of 2013 about two-thirds of the premises had been assessed. We may have to wait another two years to see if the objective has been achieved.

The Anti Social Behaviour, Crime, and Policing Act of 2014 has introduced sweeping and far reaching powers to allow local authorities and the police to close any premises (not just licensed premises) that are causing a nuisance or are associated with disorder.

The need is greater than ever for those engaged in Environmental Health to build up the profession’s evidence base. The Chartered Institute of Environmental Health (CIEH) now has a funded research strategy, and has announced two new awards: the President’s Award for Researcher of the Year, and the Junior Researcher of the Year award to encourage members to publish work in peer reviewed journals.

On the legal side, a few Environmental Health cases are going through the courts where traders or individuals received fines or custodial sentences:

- Ignoring a health and a safety prohibition notice and putting staff lives at risk by exposing them to a gas leak
- Running illegal shisha bars
- Selling Bulgarian salami, nearly half of which was horsemeat
- Dumping and burning controlled waste including asbestos
- Safety failings at a theme park where a child received life-changing head injuries as a result of a fall
- Beauty salons not licensed and unlicensed practitioners being allowed to treat members of the public
- Landlords not fulfilling their duty to protect the health and safety and welfare of their tenants
- Cockroach infestation at a pizza restaurant and a mice infestation at another
- Taxi driver smoking in his cab
- Newsagent chain failing to protect it’s employees from the consequences of a series of violent robberies
- Landlord who illegally evicted tenants after they complained about a foul smell and fire hazards in their flat (apartment)
- Chemical burns to an employee after corrosive liquid leaked from a pump.

That is the latest news happening from across the pond in recent months. TA for now, hope to see you at the 2015 NEHA AEC in Orlando!

---

FOR MORE INFORMATION
Visit www.cieh.org
The National Environmental Health Association
BOARD OF DIRECTORS UPDATE
by Tim Hatch, M.P.A., R.E.H.S.

Tim Hatch is the Director of Logistics and Environmental Programs for the Center for Emergency Preparedness at the Alabama Department of Public Health. Tim has sustained long career in Emergency Preparedness at the Alabama Department of Public Health beginning in 1995. Tim received his Bachelor’s of Science degree in biology from Auburn University in 1995, and continued on to receive his Master’s in Public Administration in 1999, also from Auburn. Tim is a graduate of and has served as a mentor for the Centers for Disease Control and Prevention’s Crisis Leadership Institute and Environmental Health Leadership Institute. Prior to becoming NEHA Region 7 President, Tim has been recognized throughout his career, having received various awards including the Ansel C. Mullins Award, Alabama Environmentalist of the Year, Fredrick S. Wolfe Awards, and Howell Special Meritorious Service Awards.

Upcoming Conference Dates:
2016 – San Antonio, TX
2017 – Grand Rapids, MI
2018 – TBD

I began my term as Region 7 vice president, taking the position after John Steward, at the end of the 2014 AEC. I am completing my first year and what a year it has been. A lot of effort went into the review and selection on our new executive director. Herculean efforts are continuing for the 2015 AEC in Orlando (see below for more). There is also an exciting redesign of the NEHA webpage on the horizon along with new efforts to increase the number of credentialed environmental health professionals across the country.

- Changes in NEHA Leadership:
  - The BIG news: As of May 4, 2015 we have a new Executive Director: Dr. Dave Dyjack

- The 2015 NEHA Annual Educational Conference will be held in Orlando, Florida. This year is the 80th Annual Education Conference. The 2015 AEC will offer you unparalleled opportunities for learning about emerging issues, earning continuing education hours, and networking with leaders from around the country. The program features an awesome selection of speakers on food safety, emergency preparedness, onsite sewage disposal, aquatic health, and many other topics. In addition, there will be several incredible field trips and numerous exhibitors featuring products and services of interest to the environmental health professional. Visit http://neha2015aec.org for more information.

My goals for this year were met as far as affiliate participation. I attended the Alabama and Florida meetings. My goals for 2016 and 2017 are to attend TN, MS, GA, NC and SC affiliate meetings. I look forward to meeting our affiliates in the coming years.

Tim Hatch, MPA, REHS
Director of Logistics and Environmental Programs
Center for Emergency Preparedness
Alabama Department of Public Health
Tim.Hatch@adph.state.al.us
GEHA AWARDS AND SCHOLARSHIPS

Member of the Year Award
The Member of the Year award is a way for GEHA to recognize one outstanding professional Environmentalist for their contributions to the field during the year. The winner is selected by the Nominations Committee after all nominations are received. The winner must be a GEHA member.

Lifetime Achievement Award
Lifetime membership is awarded to GEHA members who retire from the Environmental Health field.

Science Fair Award
The award recipient is selected from elementary, junior high and high school students at the Georgia State Science and Engineering Fair.

Certificates of Meritorious Service, Appreciation, and Recognition
Presented to GEHA members who exhibit outstanding service to the association.

John J. Sheuring Scholarship
This scholarship fund was established in 1967 in memory of John J. Sheuring. $750.00 is awarded to a Junior in the University of Georgia Environmental Health Sciences Program.

Rowe Environmental Health Scholarship
This scholarship is awarded to one undergraduate University of Georgia, Environmental Health Sciences student based on a combination of characteristics that lead to success as a professional including, but not limited to: enthusiasm, interest in public health, integrity, involvement in environmental health organizations, and success in environmental health courses.

Irving Bell Golf Tournament Scholarship
This scholarship award is based on academic achievement, financial need, letters of recommendations, statement of why s/he is choosing a career in Environmental Health, and evaluation of internship. The scholarship will consist of: $1550.00; recognition at GEHA’s AEC awards banquet; hotel room, meal expenses, and $100 for the AEC, courtesy of GEHA.

Barnhart Scholarship for Environmental Health
This scholarship is awarded to one undergraduate University of Georgia, Environmental Health Sciences student based on a combination of characteristics that lead to success as a professional including, but not limited to: enthusiasm, interest in public health, integrity, involvement in environmental health organizations, and success in environmental health courses.

Randall Manning Scholarship Award
This newly established fund in honor of Dr. Randall Manning is awarded to an undergraduate student who has had exemplary performance in an internship, especially those who performed well in Georgia Environmental Protection Division and government internships.

Environmental Health Science Award
This scholarship is awarded by the Environmental Health Science faculty and recognizes a top senior based on academics, activities, internships, and general success in the Bachelors of Science in Environmental Health major.

Please contact Cathy Coleman, GEHA Executive Clerk at geha@comsouth.net for more information.
2014 ANNUAL EDUCATION CONFERENCE (AEC)

Thank you for joining us for the 2014 AEC as Georgia hosted the Interstate Environmental Health Seminar at the Hyatt Regency in Savannah, GA from July 16-18, 2014. It was full of fellowship, fun, and information about current trends in food service, on-site sewage, agriculture, hazardous materials, and much more! Join us again in 2015 for the latest in the various disciplines of Environmental Health. Watch the GEHA website at www.geha-online.org for updated information.

IRVING BELL GOLF CLASSIC

GEHA instituted the golf tournament as part of the annual education conference to raise scholarship money for Georgia college students pursuing environmental health careers. The tournament is named after Irving Bell, who retired from the Coca-Cola Company after many years as a supportive corporate liaison, and who remains a dedicated advocate for GEHA, and an avid golfer.

2014 IRVING BELL SCHOLARSHIP WINNERS

This year, the winner of the Irving Bell Scholarship is Angelica Shockley! Angela is a rising junior in the Environmental Health Science program at the University of Georgia (UGA). She is interested in water quality, sustainability, and bacterial contamination. For her project, Angelica collected and processed water samples from Lake Herrick and Parvo Pond for coliform bacteria, and formulated an outreach program to inform the UGA community of her findings. She presented her findings at the UGA Office of Sustainability Seminar in 2014. Congratulations, Angelica!

ROWE ENVIRONMENTAL HEALTH SCHOLARSHIP

The 2015 Rowe Environmental Health Scholarship recipient was Rosemary Pearson-Clarke! Rosemary is a University of Georgia graduate with a dual degree of a bachelor's in Environmental Health, and Master's in Public Health Environmental Health Science. Rosemary is interested in Aquatic Toxicology and recently completed the Centers for Disease Control and Prevention Environmental Health internship. Congratulations, Rosemary!

JOHN J. SHEURING SCHOLARSHIP

Lori Hanna won the 2015 John J. Sheuring Scholarship! Lori is a junior in the Environmental Health Bachelor of Science program at the University of Georgia. In addition to being an exemplary student, Lori is also involved in several community and campus activities including Real Food UGA, The Lunch Box Garden Project, and the Environmental Health Science Club. She has studies abroad in Ghana and will study abroad again this summer in Costa Rica. She is also a Presidential Scholar. Congratulations Lori!

BARNHART SCHOLARSHIP FOR ENVIRONMENTAL HEALTH

Alexis Cordero won the 2015 Dr. Harold and Mary Barnhart Scholarship for Environmental Health! Alexis is an exemplary junior in Environmental Health Science bachelor's student at the University of Georgia, and is involved in several UGA activities and service organizations including The Pre-Vet club and the Environmental Health Science Club, in which she serves as the public relations chair. She also served at the College level since 2014 in her role as a CPH ambassador and helps recruit new students, assists with graduation, and serves in several other capacities that benefit the College. She has been an executive Board Media Co-Chair of UGA Relay for Life for the past three years and works in this role to promote and market the event in a multi-media manner.

Continued on page 27...
~ GEHA NEWS ~

Continued from page 21

VISIT GEHA ONLINE AT: GEHA-ONLINE.ORG

GEORGIA PUBLIC HEALTH ASSOCIATION

ENVIRONMENTALIST OF THE YEAR AWARD

...for 2015 goes to Seth Woodrow! Seth is an Environmental Health Manager for Lamar County in the Lagrange District, District 4. He began his Environmental Health career in 2002 at the Clayton County Health Department as an Environmental Health Specialist (EHS) I, and worked up to an EHS III. From there, Seth worked as an EHS III for Henry County Health Department. In 2010, Seth accepted the position as Environmental Health County Manager in Lamar County. Seth graduated from Auburn University with a Bachelor of Science degree in Environmental Sciences in December of 2001. Today Seth serves as a District Healthy Homes and Lead Inspector/Risk Assessor, a Food Safety Standard, and as a Central Georgia Strike Team member.

Seth set an exemplary leadership example during a 2013 manager’s training for an epidemiological investigation, and later during foodborne disease outbreak occurring in December of that year. Congratulations Seth!

Randall Manning Scholarship

Angela Shockley received the 2015 Randall Manning Scholarship for 2015! Angela interned within our department in a program that fostered laboratory and water sampling skills, outreach, and career development. She assisted in developing UGAqua, in collecting and processing water sample from Lake Herrick and Parvo Pond for coliform bacteria, and formulated an outreach program to inform the UGA community of her findings. She presented these findings at the UGA Office of Sustainability Seminar in 2014. In 2015 her continued work as an intern further tested for bacteria contamination in local water sources using PCR prior to collecting sequence data. She was also responsible for outlining a potential remediation plan in order to preserve water quality in our local watersheds. Congratulations Angela!

Environmental Health Science Award

Tiffany Eberhard is the recipient of this award for 2015! This year’s awardee has excelled in academics, research, service, and global public health. Her research and travel experience includes work in a soil microbiology lab, an epigenetic study of breast cancer pilot study, work as a lab assistant at the UGA Complex Carbohydrate Research Center, work to analyze a set of data in an anthropologic study on indigenous rights in Borneo, volunteer work at a mobile health clinic in the Himalayas, work in Peru to address the effect of air quality of pregnant women, and work in a primate cognition behavior lab in which she studied joint movement in a capuchin monkey model system. She has completed several internships including an Iowa State University Water Resource summer intern and an internship at the Athens, Clarke County Recycling Center. Our awardee will enter the Peace Corp after graduation and we all wish her the best. Congratulations Tiffany!

COLLABORATING WITH THE U.K.

Through the efforts and connections of Rob Blake, former GEHA Officer, arrangements were made to connect with the Chartered Institute of Environmental Health’s (CIEH) London Centre in the United Kingdom. Our organizations link websites, share newsletter and journal articles, and regularly communicate ideas, philosophies, and practices to increase GEHA’s scope both nationally and abroad. This partnership includes offering GEHA members opportunities to work in the United Kingdom through professional exchanges!

Founded in 1884, CIEH’s London Centre is one of 12 centers making up its national structure. Its major activities are the training and professional support of its members. This is accomplished through study groups for all Environmental Health subjects including food, housing, health and safety, and pollution. The Centre has nearly 1,100 members in the corporate, graduate, associate, student, and retired member categories, and became an associate body with the International Federation of Environmental Health in 2000. Visit GEHA’s website at www.geha-online.org for updated information!

GEHA congratulates all of the scholarship and award winners! For information about scholarships and awards available through GEHA, please see page 25.
The Georgia Department of Agriculture publishes the Farmers and Consumers Market Bulletin, a biweekly newspaper with articles of interest to farmers and consumers as well as recipes, gardening tips, a calendar of events, classified advertisements and public notices. Subscriptions are $5 per year online, $10 per year for Georgia residents, and $20.00 per year out-of-state subscribers. Subscribe online at http://agr.georgia.gov/market-bulletin.aspx. Or, you can call (404) 656-3722. You should receive your first copy within 2 – 3 weeks.

The heart of the EZflow unit is the patented EPS aggregate. Designed with "channels" to allow for a larger flow the EZflow EPS aggregate surrounds a four-inch perforated, corrugated plastic pipe, and its cylindrical shape is held together by high-strength polyethylene netting. The product is delivered in pre-assembled, easy-to-handle 10-foot sections.

EZflow Drain systems are designed specifically to replace stone aggregate (gravel) in a variety of applications. The primary advantage is its light-weight, pre-fabricated assembly which makes installation easier, greatly reduces labor, and ensures high system performance.
GEHA 2015 Annual Education Conference
Sponsors and Exhibitors
THANK YOU!

The President and Officers of GEHA express their sincere appreciation and thank our sponsors and exhibitors for contributing to the success of the Georgia Environmental Health Association 2015 Annual Education Conference.

GEHA SPONSORSHIP OPPORTUNITIES

2016 GEHA Annual Education Conference

Not only does sponsoring the GEHA Annual Education Conference show your company’s support for GEHA and environmental health in Georgia, it provides you with a valuable audience to promote your products and services. Sponsorship includes full conference registration, speaker opportunities, and an ad in the next issue of the Georgia Environmentalist. For information, contact Cathy Coleman, GEHA Executive Clerk, at geha@comsouth.net.

69th ANNUAL INTERSTATE ENVIRONMENTAL HEALTH SEMINAR

July 29-31, 2015
Cumberland Falls State Resort Park
Kentucky

For more information, visit:
www.wvdhhr.org/wvas/iehs

GEHA on Facebook!

“Like” the GEHA Facebook Page, or “Join” the GEHA Members Group through your Facebook profile.

Enjoy the convenience of connecting with your friends and colleagues. Share your favorite Environmental Health photos, videos, and other links with other GEHA members.

Georgia Association for Food Protection

www.gaafp.org
An affiliate of the International Association for Food Protection

The Georgia Association for Food Protection is a non-profit association of food safety professionals in Industry, Government, and Academia.

87th Annual Meeting and Conference
Hilton Atlanta Downtown
March 22 & 23, 2016
www.gapha.org
(706) 583-2658
Shaun Brand, Chair
GPHA Environmental Health Section
THANK YOU!
Thank you to the sponsors and exhibitors of the 2014 Annual Education Conference and Interstate Environmental Health Seminar Irving Bell Scholarship Golf Tournament!
Infiltrator leachfield chambers improve the performance of onsite systems by delivering greater infiltrative capacity, ensuring quality installations and making more efficient use of space. We're committed to quality and the environment.

Benefits Include:
- Superior technology
- Reliable performance
- Design flexibility
- Recycled, eco-friendly products
- Installer training & field support
- Easy to inspect & monitor

Contact:
John Ford
Senior Sales Representative
(866) 511-6072

Georgia Onsite Wastewater Association
P. O. Box 1928, Duluth, GA 30096
Ph: 678-646-0369  Fax: 678-646-0379
Email: bruce@widener-associates.com

Representing The Onsite Wastewater Industry - Installers, Pumpers, Environmentalists, Manufacturers, Soil Scientists, Suppliers, Engineers, etc.
GEORGIA ENVIRONMENTAL HEALTH ASSOCIATION
APPLICATION FOR MEMBERSHIP

New Member _____ Renewal _____
(Please print or type) DATE: _______________

NAME: ___________________________________________________________

HOME ADDRESS: _________________________________________________

Number       Street                         Apt. #
_________________________________________________

City                        State           Zip

HOME PHONE: _________________________________

JOB TITLE ________________________________________________________

BUSINESS ADDRESS: ______________________________________________

______________________________________________
______________________________________________

BUSINESS PHONE: ______________________________

Please check the appropriate membership status:
  Active Member   ( ) $25.00
  Associate Member ( ) $25.00
  Student Member  ( ) $10.00

Active Members are those that are employed at or retired from jobs that involve environmental health as a major component of their occupation.

Typically, Associate Members provide products for use in environmental health related activities. Associate Members may be anyone with an interest in environmental health issues.

Student Members attend an accredited learning institution.

Voting privileges in the Association shall be limited to Active Members and Honorary Members only.

Please send application and check (made payable to GEHA) to:

Georgia Environmental Health Association
397 Eastman Highway
Hawkinsville, GA 31036

For more information, contact GEHA geha@comcast.net or visit us online at www.geha-online.org

If you move, please inform GEHA of your new address. Any GEHA publications will not be forwarded.
“You can discover local every day!”

You’ll find 100’s of locally grown and sourced products at Kroger.