

# LORAIN COUNTY BEEKEEPERS ASSOCIATION



## THE BUZZZZ

[www.loraincountybeekeepers.org](http://www.loraincountybeekeepers.org)

NOTE FROM THE PRESIDENT: Denzil St. Clair



Have you seen LCBA president, Denzil St. Clair? Sources have said that he was walking into the Queen Right shop on Field Day and kept right on walking out the back door, and hasn't been seen since. Other sources say he is, and has been, so busy since bee season started with package bees and all that goes along with it, that he hasn't been able to sit down long enough to get the president's note completed.

Not sure which source I believe, but I'd kind of have to go with the second one. We all know how it is for us and keeping up with work, family, bees, etc., and we all go to him for what we need for our beekeeping supplies and information. He

probably would like to do the first, and keep walking right out the back of the building sometimes. So guess we will let it slide this month for not having a president's note.

JUNE 2011  
Volume 8 Issue 85

L.C.B.A. MISSION  
STATEMENT:  
TO PROMOTE  
BEEKEEPING  
THROUGH  
EDUCATION,  
COOPERATION, OR  
ANY OTHER  
EFFICIENT MEANS



### DONATIONS TO LCBA TAX DEDUCTIBLE

Lorain County Beekeepers Association is a 501c(3) organization. Any donations made to LCBA are tax deductible.

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## 2011 BUZZZZ CALENDAR

- June 1—7:00 p.m. Fair meeting @ Valerie's. Anyone welcome to attend and help plan fair barn theme, etc.**
- June 10 - Elina Lastro Nino - Dept. of Entomology - Penn State University - "Examination of Factors That Alter Queen Physiology and Queen-Worker Interactions"**
- June 24 - Newsletter deadline**
- July 8 - Fall wrap up-preparing your colonies for fall-Fair info**
- August 12 - Regular Fair meeting - Meeting held at Lorain County Fair Grounds**
- September 9 - TBA**
- October 14 - NO MEETING— ANNUAL BANQUET OCOTBER 15th**
- October 15 - Annual Fall Banquet-Auction**

### NEWSLETTER DEADLINE

For submissions to THE BUZZZZ....  
 For the July issue are due  
**NO LATER THAN June 24.**  
**Items not received before that date will go in the next months issue.**  
 Please send all articles, ads, and/or notes to:  
 e-mail- [buzzzzeditor@frontier.com](mailto:buzzzzeditor@frontier.com)  
 Please **do not** include layout or extra characters, (bold, italics, indents, etc.) as they may be removed during editing process.

**All submissions are subject to approval.**

LCBA Executive Meeting is held the last Wednesday of every month unless holidays change the schedule.  
 The meetings are held at the Henrietta Township Hall on Vermilion Rd. in Oberlin at 7:00 p.m.  
 We encourage members to attend.

### LOCATION & MEMBERSHIP INFORMATION

LCBA meetings are held the second Friday of each month at 7:00 P.M.  
**The First Church**  
 (United Church of Christ)  
 106 N. Main St. Oberlin, OH

Membership dues are **\$25.00 if you receive by mail**, \$20.00 per year if you receive by e-mail. Those receiving by e-mail can pick up a hard copy at the meeting. Membership includes all immediate family members. Memberships run per calendar year, January to December. Membership expiration date is December 31st of each year for mail or e-mail. You can renew your membership on the web site [www.loraincountybeekeepers.com](http://www.loraincountybeekeepers.com) with Pay Pal or

**Send dues to the Treasurer:**  
**Dave Williams**  
 11923 Green Rd. Wakeman, OH 44889

**EDITOR'S NOTE:**  
 If you have moved or your e-mail changes, please notify Dave at a meeting or by e-mail, [dogpatch@centurytel.net](mailto:dogpatch@centurytel.net)  
 You must keep information & membership dues current to receive your newsletter in a timely manner.  
 Check LCBA web site for meeting changes or cancellations due to bad weather.

<i>L.C.B.A. 2011 EXECUTIVE OFFICERS</i>	<i>PHONE</i>	<i>E-MAIL</i>
President: Denzil St. Clair	(440) 647-2602	<a href="mailto:qrcltd@hughes.net">qrcltd@hughes.net</a>
Vice Pres: Bill Vittori	(440) 323-4942	<a href="mailto:billv99@prodigy.net">billv99@prodigy.net</a>
Secretary: Vickie Eichof	(419) 566-0077	<a href="mailto:veichoff@yahoo.com">veichoff@yahoo.com</a>
Treasurer: Dave Williams	(440) 965-4170	<a href="mailto:dogpatch@centurytel.net">dogpatch@centurytel.net</a>
Trustee: Valerie Weiss	(419) 929-1110	<a href="mailto:buzzzzeditor@frontier.com">buzzzzeditor@frontier.com</a>
Trustee: John Schick	(419) 668-8947	<a href="mailto:schick13@accnorwalk.com">schick13@accnorwalk.com</a>
Trustee: Jim Toole	(440) 986-2589	<a href="mailto:legend31@centurytel.net">legend31@centurytel.net</a>
BUZZZZ Editor: Valerie Weiss	(419) 929-1110	<a href="mailto:buzzzzeditor@frontier.com">buzzzzeditor@frontier.com</a>
Video Librarian: Bill Vittori	(440) 323-4942	<a href="mailto:billv99@prodigy.net">billv99@prodigy.net</a>
Web Master: Jim Toole	(440) 986-2589	<a href="mailto:legend31@centurytel.net">legend31@centurytel.net</a>
State Apiary Inspector - Barbara Bloetscher	(614) 728-6373	<a href="mailto:apiary@agri.ohio.gov">apiary@agri.ohio.gov</a>
Lorain County Inspector - Jim Toole	(440) 320-8659	<a href="mailto:legend31@centurytel.net">legend31@centurytel.net</a>

# June Key Note Speaker: Elina Lastro Niño

## Education:

PhD Entomology, Penn State University (Expected in 2012)

MS Entomology, North Carolina State University (2006)

BS Animal Science, Cornell University (2003)

## Research Experience:

Graduate Research Assistant, Department of Entomology, The Pennsylvania State University, University Park, PA (present)

Graduate Research Assistant, Department of Entomology, North Carolina State University, Raleigh, NC (2003-2008)

Laboratory Assistant, Department of Entomology, North Carolina State University, Raleigh, NC (2003)

Student Laboratory Assistant, Department of Entomology, Cornell University, Ithaca, NY (2002-2003)

## Research Interests:

□ My research deals with characterizing factors (e.g., seminal proteins, seminal volume) that are affecting honey bee queen post-mating changes on behavioral, physiological, and molecular level. I am particularly interested in understanding the underlying molecular pathways regulating these changes and whether these changes remain even after the queen commences oviposition. Queen produces pheromones from many glands (e.g., mandibular gland) and these pheromones play an integral part in regulating social organization of the colony. I also study how queen insemination volume modulates pheromone production and how this in turn regulates

worker behavior (e.g., retinue response, supersedure attempts) and physiology (e.g., juvenile hormone levels, pheromone production), which could influence colony dynamics. Being that mating is a stressful process my future research will address how queen mating modulates queen immunocompetence which could have an effect on queen reproductive success, and therefore the wellbeing of the entire colony.

## Publications:

1. Niño, E. L., D. R. Tarpy, and C. M. Grozinger. Genome-wide analysis of brain transcriptional changes in honey bee queens (*Apis mellifera* L.) exposed to carbon dioxide and physical manipulation. (*In revision, Insect Molecular Biology*)

2. Smith, J., Douglas, M., Grettenberger, I., Sidhu, S., Niño, E. L., and Bentley, T. Global climate change will have substantial long-term negative effects on arthropod diversity. (*Submitted, American Entomologist*).

3. Niño, E. L., C. E. Sorenson, S. P. Washburn, and D. W. Watson. (2009) Effects of the insect growth regulator, methoprene, on the dung beetle, *Onthophagus taurus* Schreber (Coleoptera: Scarabaeidae). *Environmental Entomology*. 38 (2): 493-498.

4. Watson, D. W., E. L. Niño, K. Rochon, S. Denning, L. Smith, and J. Guy. (2007) Experimental evaluation of *Musca domestica* (Diptera: Muscidae) as a vector of Newcastle Disease Virus. *Journal of Medical Entomology*. 44 (4): 666-671.

## Awards:

### 2010

Travel Award – Women In Science and Engineering Institute (*PSU University Park, PA*)

Travel Award from the Sahakian Family Fund for Ag Research – College of Agricultural Sciences (*PSU University Park, PA*)

### 2009

Yendol Travel Award (\$125) – Department of Entomology (*PSU University Park, PA*)

### 2008

Pesticides and Bee Colony Collapse – poster by Elina Lastro Niño (2008) Entomological Society of America 2007 Annual Meeting Highlights – Part I in *The IPM Practitioner*. xxx (1/2): 10.

1st Place Student Paper Presentation Competition (*American Bee Research Conference, Sacramento, CA*)

### 2007

Scholarship – Foundation for the Preservation of Honey Bees

1st Place Poster Student Competition for the President's Prize (*Entomological Society of America, Indianapolis, IN*)

1st Place Poster Competition (*North Carolina Entomological Society, Raleigh, NC*)

Outstanding Masters Student of the Year (*North Carolina Entomological Society, Raleigh, NC*)

## Bee venom used to create ultra-sensitive explosives sensor

By [Amar Toor](#)  posted May 10th 2011 7:27AM

[www.emgaget.com](http://www.emgaget.com)

We knew that [well-trained bees](#) were capable of sniffing out dynamite and other explosives, but researchers at MIT have now come up with a slightly less militant way to use our winged friends as bomb detectors. A team of chemical engineers at the school recently developed a new, ultra-sensitive sensor

that's sharp enough to detect even one molecule of TNT. Their special ingredient? Bee venom. Turns out, a bee's poison contains protein fragments called bombolitin, that react to explosive compounds. To create the detector, researchers applied these bombolitins to naturally fluorescent [carbon nanotubes](#). Whenever an explosive molecule binds with the protein fragments, the interaction will alter the wavelength of the carbon cylinder's fluorescent light. The shift is too small for the naked eye to

pick up on, but can be detected using specially designed microscopes. If it's ever developed for commercial use, the sensor could provide a more acute alternative to the spectrometry-based detectors used at most airport security checkpoints. At the moment, however, the technology isn't quite ready to be deployed on a widespread basis, so feel free to keep on living in fear. Full PR after the break.

## Executive Meeting April 27, 2011

Though there was no regular meeting on April 13, members gathered at Queen Right Colonies to set up for Field Day. After setting up tents and tables and generally readying for the next day, workers enjoyed refreshments and the chance to talk with Dr. Clarence Collison, our featured speaker for Field Day. The evening ended with Dr. Collison sharing a cake presented to him congratulating him on his retirement.

### Held at Henrietta Township Hall

LCBA Executive members present: Bill Vittori, Dave Williams, Jim Toole, Valerie Weiss, Vickie Eichof

Members present: Walter Seamon

Dave gave the Treasurer's Report and

asked if LCBA should get a credit card. After discussion Dave made a motion, seconded by Jim for LCBA to obtain a credit card. Motion passed.

### Points of Discussion:

Field Day: Dave and Bill will get our supplies and catalogs from First Church. Additional supplies needed were divided with Dave getting condiments, beverages and hot dog buns, Bill getting cups, plates, napkins, utensils, coffee, tea, garbage bags and ice, Valerie will get hamburger buns (5 trays). Bruce will bring hot dog cooker. We will be getting 250 hot dogs and 250 hamburgers. There will be cookbooks, honey and other books for sale. There will be a 50/50 drawing, raffles and a Chinese Auction. The Chinese Auction will include 2 hive ventilators,

2 hive bodies, candle molds and an observation hive. Jim donated the observation hive with the stipulation that \$100.00 of proceeds goes to Building Fund. Dave made a motion that \$100.00 of proceeds be put in Building Fund, seconded by Valerie. Motion passed.

Lorain County Fair: Carmen Conrad has agreed to judge honey at the Fair, Jim will ensure there is an adequate supply of forms. There will be a Fair meeting at the home of Valerie Weiss Wednesday, June 1, at 7:00 pm.

Meeting adjourned at 8:45pm.



## FIELD DAY 2011-DR. CLARENCE COLLISON

We had one of the best Lorain County Beekeepers Field Day's in many years weather wise, this year. The temperatures were nice and no sweaters needed. I even heard a couple complaints that it was too hot!! After some of the ugly, cold temps that we had been having, I was really surprised to hear those complaints. The last few years the temps have been cold, it has rained or drizzled, jackets were needed, couldn't get into the bees and attendance was not what we had hoped. This year attendance was well over two hundred

people, they were able to get into hives and the rain held off until most of the attendees had gone home.

Props to Kim Flottum and Kathy Summers for picking Dr. Collison up at the airport for us. We greatly appreciated it. Dr. Collison, our key note speaker, came in from Tennessee to speak Field Day for us. QRC's warehouse was filled to the brim



and actually out into the drive to hear him speak on bee genetics. (See pictures on next page)

After speaking, they broke for lunch. Members brought lots of great covered dishes and yummy desserts to share for lunch with the burgers, hot dogs and drinks provided by LCBA. Donations were accepted to help cover the costs. Thank you to all who made donations and brought covered dishes and desserts to help make this event such a huge success

with plenty of food.

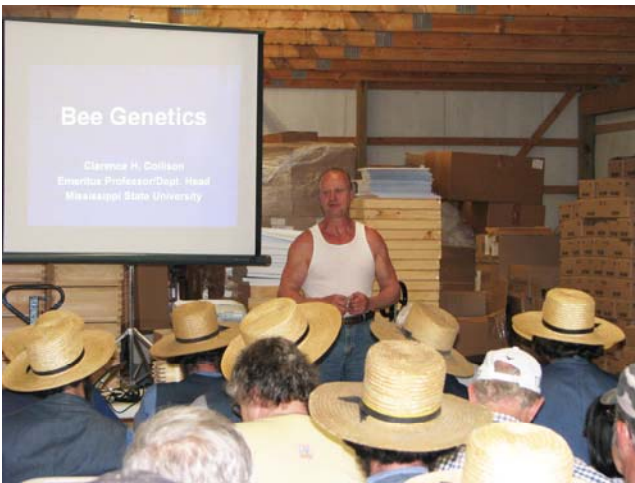
After all that, they broke out in groups and went into hives to show new beekeepers different things they should be looking for.

Raffle tickets were sold for various items throughout the day, which included two deep hives with bees, donated by Queen Right Colonies, and won by Nicole Kline and Laura Kalman, hive ventilators donated by

LCBA, won by Walter Seamon and Tom Blubaugh, observation hive, donated by Jim Toole and won by Dan Swartzentniber (sp), 50/50 raffle won by James Amspaugh, wax melter, donated by Dave Vargo and won by Scott Medwid, and other misc. items. A huge thank you to all who made those donations. All were thrilled with what they won.

We are always amazed at the great turn-

out we have. This year was one of our largest in a couple of years since the weather cooperated. Since we started the rain or shine motto, it makes it a lot easier to know that it goes on no matter what. Just the beekeeper fellowship and being able to ask other beekeepers about issues you have, is great. If you missed out on all this fun, make sure you join us in 2012, RAIN OR SHINE!!!!



Can you say “overflow” and “standing room only”?



Pictured left to right, Denzil & Sheila St. Clair, Dr. Clarence Col-lison, Kim Flottum & Kathy SummerSsat 16th annual LCBA Field Day 2011.



2012 LCBA memberships were given as prizes for the closet guesses of how many queen cages in the pail. They were won by Sharon Pall, Levi Schlabach, Nancy, Cox and Dave Zemancik.



These photos were taken by Bonnie Pierson. Thank you Bonnie.



Dave Williams doing a demonstration of a package bee dump.



Grandchildren of Denzil & Sheila and Bonnie Pierson do a little posing for picture taking while grabbing some goodies at the food table. All a bunch of cuties, and some, boy how they've grown since last year.



Our young beekeepers, glove free you should note, hold a frame of bees. Now that is the way to do it. You go girls!!



Income/Expense by Category - YTD  
 1/1/2011 through 5/24/2011  
 Category Description

**INCOME:**  
 Class Books 225.00  
 Classes 1,350.00  
 Donations 607.00  
 Membership 1,614.08  
 Raffles 867.00  
 Sales 120.00  
 Sales LCBA Honey 36.00  
 Transfer from Home Savings 24,396.87  
 FROM New Lorain National Checking 4.60  
 FROM PayPal 192.60  
 FROM Petty Cash Fund 229.00  
**TOTAL INCOME 29,642.15**

**EXPENSES:**  
 Uncategorized 100.00  
 Advertising 150.00  
 Events 221.40  
 FICA 15.00  
 Food 81.90  
 Insurance 500.00  
 Newsletter 714.12  
 Overpayment-return 50.00  
 PayPal Fees -0.28  
 Postage 44.00  
 Prizes 50.00  
 Speakers 125.00  
 Supplies 421.48  
 TO New Lorain National Checking 421.60  
 TO Petty Cash Fund 4.60  
**TOTAL EXPENSES 2,898.82**

**OVERALL TOTAL 26,743.33**  
 Balance Sheet - As of 5/24/2011

**ASSETS**  
 Cash and Bank Accounts  
 Lorain National Savings 24,396.87  
 New Lorain National Checking 5,376.88  
 PayPal 0.00  
 Petty Cash Fund 198.10  
**TOTAL Cash and Bank Accounts 29,971.85**

Other Assets  
 Building Fund 0.00  
**TOTAL Other Assets 0.00**

**TOTAL ASSETS 29,971.85**

**LIABILITIES & EQUITY**

**LIABILITIES**

Other Liabilities  
 LCBA Building Fund -8,598.02  
**TOTAL Other Liabilities -8,598.02**

**TOTAL LIABILITIES -8,598.02**

**EQUITY 38,569.87**

**TOTAL LIABILITIES & EQUITY 29,971.85**

More pictures from Bonnie Pierson.  
 This one below is an unusual site. Our Amish friends join us every year at Field Day. You can see by the picture that there were quite a few with us this year.



Bruce Sampsell and John Schick man the raffle tables for all the various items, which included a queen that was donated by Paul Buser from GCBA.



Taking care of the registration table and selling LCBA cookbooks and honey are Chantal DeYoe & Valerie Weiss (me). Chantal's son Ciaran (sp) was helping out also.



## REMEMBER

As I write this newsletter, Memorial Day is upon us. Let's not forget what it is all about. It is to remember those that died in this nation's service protecting us for us to be able to do what we do everyday, have our freedom. It isn't about getting together and having cookouts and having fun.

Please remember to thank those you know who are serving, have served and fly your flags high for those that lost their life while serving. Celebrate their memory on Memorial Day.