

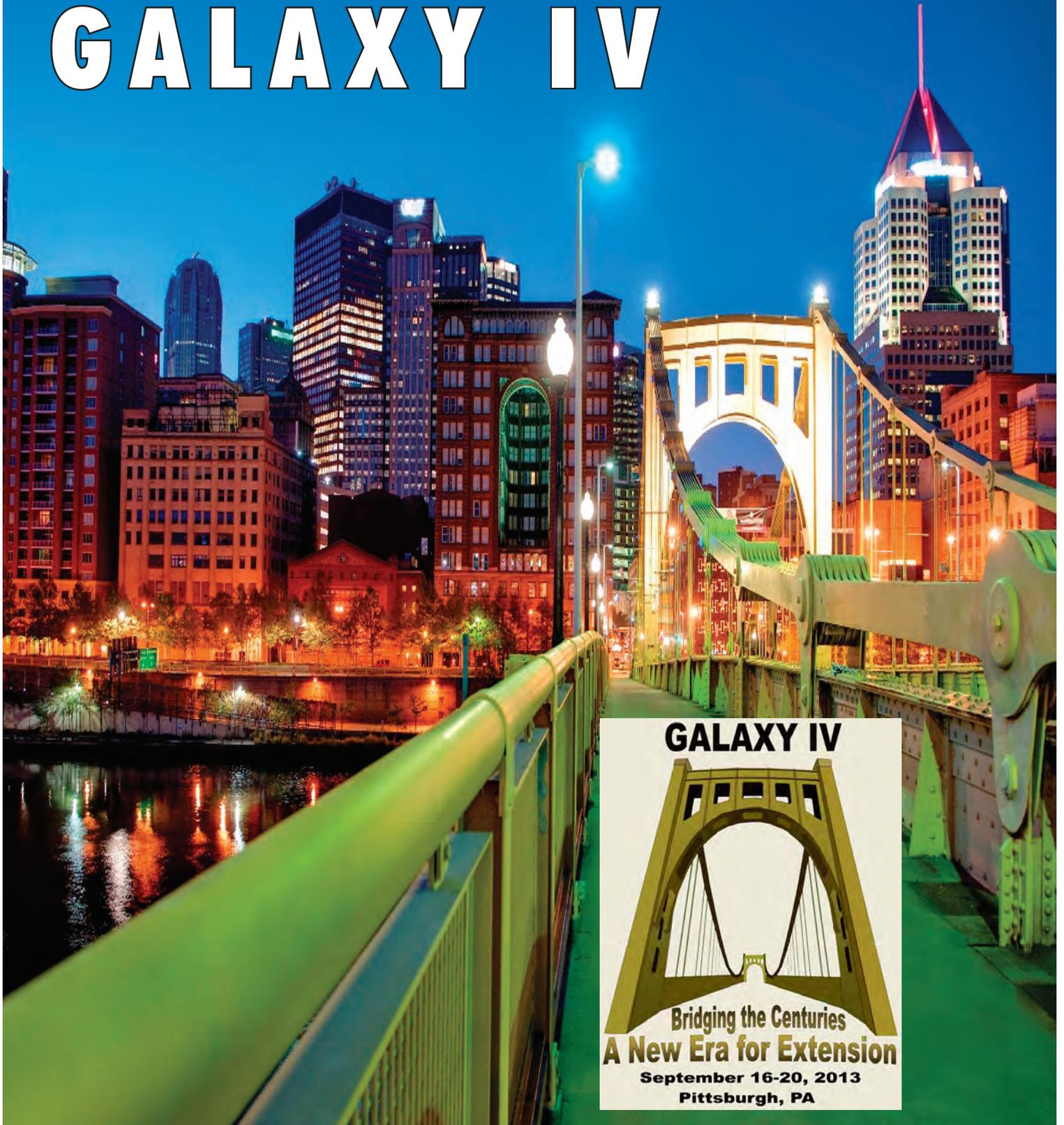
The County Agent

A PUBLICATION OF
THE NATIONAL ASSOCIATION
OF COUNTY AGRICULTURAL AGENTS

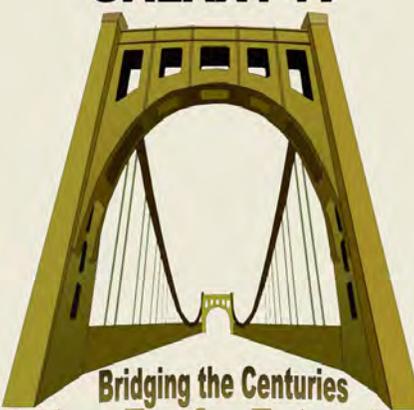
Volume LXXIV No. 1 May, 2013

NACAA - 6584 W. Duroc Road - Maroa, IL 61756 - (217)794-3700

GALAXY IV



GALAXY IV



**Bridging the Centuries
A New Era for Extension**

**September 16-20, 2013
Pittsburgh, PA**

What a great spring time this year for me, and for you too, I hope. In early April I had the opportunity to leave the confines of a late winter in PA, in spite of what Punxsutawney Phil predicted and travel to TN for the spring meeting of your association board. While there spring was just beginning. Since then I have watched as the grass gets taller and pollen fills the air. My second most favorite time of the year.



*NACAA President
Paul Craig*

While in TN the members of the TN association provided the board with wonderful hospitality and an opportunity to see how value added production takes corn, wheat and malted barley, makes whiskey and then feed the fermented mash to background cattle. A very interesting visit during a very busy board meeting.

I cannot express my sincere thanks to you, the members of NACAA, for providing me with this most exciting leadership opportunity of my career. I am gifted with the outstanding support of so many other leaders in NACAA, the board, council leaders, national and state committee chairs and state association leaders. Your contributions are invaluable and greatly appreciated. I encourage all NACAA to become active in your state and national association. The time you contribute will be returned in professional and personal opportunities you will value the remainder of your lives.

I am proud to report that due to your local efforts for membership recruitment that this year there has been an increase of 113 members. Our membership now totals 3029. I am also happy to report that all of the national committee and council vacancies have applicants and that 3 candidates have stepped up and will be running for the office of vice president of NACAA in Pittsburgh. The future of your association is in good hands.

Since the beginnings of NACAA, in 1915, professional development has been a founding purpose. In this issue of The County Agent you will find the registration information for the 2013 Galaxy IV and Annual Meeting of NACAA to be held in Pittsburgh, PA September 16 thru 20. I am certain you will find the opportunity for program sharing, motivational speakers, and the opportunity to meet agents from across the US and have some fun, too will be your highlight for the year. The agents from PA and the Northeast Region have done an outstanding job of planning to provide our members with the opportunity to celebrate the diversity of Cooperative Extension and to help highlight the contributions by NACAA members to our fellow Extension associates.

I want to again remind you of the voucher program that the board adopted to support your participation in Galaxy. Any active member who qualifies will be provided with a voucher for \$150 that will be able to be used for participation in any of the next 3 AM/PIC's as part of the registration subsidy. Look for additional details in the magazine. I encourage you to review the registration information and register early. September in Pittsburgh is a wonderful time. The facilities are outstanding and the professional development opportunities will be invaluable to you. I look forward to seeing you in Pittsburgh.



Numerous NACAA State and National officers recently gathered in Memphis, TN for the 2013 JCEP Leadership Conference.

Catlett to Present Keynote

DR. LOWELL CATLETT, is a Regents Professor in Agricultural Economics and Agricultural Business and Extension Economics and the Dean of the College of Agricultural, Consumer and Environmental Sciences at New Mexico State University. He is an exciting futurist whose knowledge of technologies and their implications on the way we will live and work is addressed in his varied and upbeat presentations. His vast knowledge astounds corporate and association audiences both nationally and internationally. His presentations are thought-provoking and highly-entertaining.

Dr. Catlett received his doctorate in Economics from Iowa State University, and has twice received the Don C. Roush Award for Excellence in Teaching. He is also a recipient of the prestigious Burlington Foundation Faculty Achievement Award for Outstanding University Teaching. In 1994 he was one of two Western Regional recipients of the National Association of State Universities and Land Grant Colleges "Excellence in College and University Teaching in the Food and Agricultural Sciences Award."

In February, 2007 he received the Carl F. Hertz Distinguished Service to Agriculture Award from the American Society of Farm Managers and Rural Appraisers for his service to agriculture.

In addition to his selection in 2002 as a member of the original class of six New Mexico State University Regents Professors, Dr. Catlett has received every teaching award the university offers, including the Westhafer Award for Teaching in 1990, New Mexico State University's top honor. The professor of agricultural economics and agricultural business is internationally known as an expert in commodities futures markets and is in demand as a speaker and consultant on predicting and planning for near- and long-term futures.

Lowell recently received the College of Agriculture and Home Economics Advisor of the Year as well as Teacher of the Year at New Mexico State University.

He is a consultant to the U.S. Departments of Agriculture, the Interior, Defense and Labor. He has also been a consultant to many Fortune 500 companies.



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The County Agent

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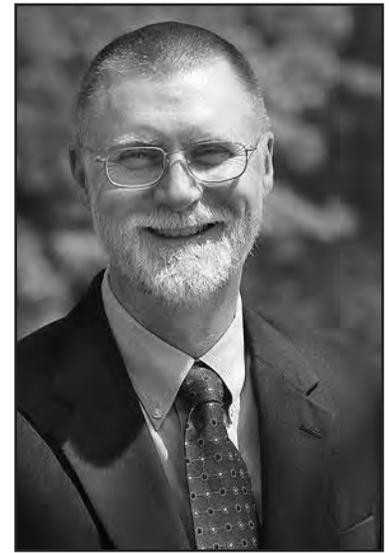
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McPheron to Present Capstone

Dr. Bruce McPheron is the Vice President for Agricultural Administration and Dean of the College of Food, Agricultural, and Environmental Sciences at The Ohio State University, beginning his appointment in November, 2012. He joined Ohio State after serving for three and one-half years as Dean of Penn State's College of Agricultural Sciences. He was Associate Dean for Research and Graduate Education and Director of the Pennsylvania Agricultural Experiment Station in the College of Agricultural Sciences from March, 2002, - June, 2009. McPheron received his B. S. degree from The Ohio State University and his M. S. and Ph. D. degrees from the University of Illinois. He spent three years working as a county extension 4-H educator in Clermont County, Ohio, between graduate degrees, and he held a postdoctoral appointment at Louisiana State University before joining Penn State in 1988 as a faculty member in the Department of Entomology. McPheron is active in agricultural research administration at the national level. He was recognized by the USDA in 2006 for his role in helping to develop a plan for national competitive ag research grants involving multiple land grant universities, and he presented testimony to the U.S. House of Representatives Agriculture Committee in 2007 on behalf of all land grant universities regarding the research title of the Farm Bill. He currently serves as past-chair of the Administrative Heads of Agriculture for the US and is chair of the Policy Board of Directors of Agriculture for the Association of Public and Land-Grant Universities. He was chair of ESCOP, the agricultural experiment station directors' national association, chair of the National Agricultural Biotechnology Council, and chair of LEAD-21, the nation's agricultural leadership development program. In addition, he has held numerous state and regional leadership roles in agricultural administration. McPheron's research expertise has been the use of genetic tools to examine population structure in pest insects. Most notably, molecular diagnostic methods for source identification of Mediterranean fruit fly developed in his laboratory have been adopted by USDA-APHIS and several state and international agencies. He has taught a wide range of classes in entomology, the use of molecular genetic tools in biological research, and international agriculture to undergraduate and graduate audiences.



Galaxy IV Schedule

Sunday, September 15, 2013

4:00 PM - 6:00 PM Journal of Extension (JOE)
Reception (By Invitation)

5:00 PM - 8:00 PM Galaxy IV Registration Open

12:00 PM - 6:00 PM Exhibit Hall Open & Poster Session #1
DLCC
Exhibitor and Author Dedicated Time - Noon - 1:00 PM & 5:00 - 6:00 PM

Monday, September 16, 2013

8:00 AM In-depth Professional Development Programs and Tours

5:00 PM - 9:00 PM Galaxy Opening Event on the Gateway Clipper
Board buses at DLCC

9:00 PM - 11:59 PM Dance Sponsored by NEA4HA
DLCC

12:00 PM - 5:00 PM Galaxy Silent Auction
DLCC - Exhibit Hall

6:00 PM - 10:00 PM State's Night Out & Pittsburgh Pirates Baseball Game
Consult your state leadership for your state's night out plans. A limited number of tickets are available for purchase on a first come-first served basis for the Pittsburgh Pirates-San Diego Padres game. These can be ordered (while available) through the registration process.

7:00 PM - 10:00 PM Baseball Game - Pittsburgh Pirates v. San Diego Padres
PNC Park This may conflict with plans for your state's State's Night Out program. Consult

Tuesday, September 17, 2013

6:00 AM - 9:00 AM Breakfast on your own
Omni

9:00 AM - 11:00 AM General Session & Keynote Presentation
DLCC

11:00 AM - 1:00 PM Box Lunch
DLCC - Pick up prior to attending other meetings or visiting the Exhibit Hall

state leadership to obtain their plans. Participants will also receive a Clemente hat or jersey.

Wednesday, September 18, 2013

- 6:00 AM - 9:00 AM Breakfast on your own
- 10:15 AM - 10:45 AM National Institute of Food Agriculture (NIFA) Presentation
DLCC
- 10:45 AM - 11:30 AM General Session & Ruby Lecture
Presentation Sponsored by ESP
DLCC
- 12:00 PM Additional Banquet Tickets
- 12:00 PM - 1:30 PM ESP Ruby Banquet (Ticket
Required)
- 12:00 PM - 5:00 PM Exhibit Hall Open & Poster
Session #2
DLCC
Exhibitor & Poster Authors
Dedicated Time - 12:00 - 1:30 PM
& 5:00 - 6:00 PM
- 12:00 PM - 5:00 PM Galaxy IV Silent Auction
DLCC
- 5:30 PM - 8:00 PM Galaxy IV Live Auction & Heavy
Reception
DLCC
- 8:00 PM - 10:00 PM Galaxy IV Dance
DLCC

Thursday, September 19, 2013

- 8:00 AM - 12:00 PM Exhibit Hall Open -
Poster Session #3
DLCC
Galaxy Continental Breakfast -
8:00 -9:00 AM
Exhibitor & Poster Authors
Dedicated Time - 8:00 - 9:00 AM
and 10:30 - 11:30 AM
- 11:30 AM - 1:00 PM Lunch on Your Own -
Concessions Available
- 3:00 PM - 6:00 PM Association Photo Sessions -
Times and Locations to be
determined
Consult your association
leadership
- 6:00 PM - 9:00 PM ANREP, NACAA, NACDEP,
NAE4-HA & NEAFCS Banquets
(Ticket Required)

Friday, September 20, 2013

- 9:00 AM - 11:00 AM Galaxy Brunch
- 11:00 AM - 12:00 PM General Session - Closing &
Capstone Speaker
DLCC

NACAA Specific Tentative Schedule - Galaxy IV

FRIDAY, SEPTEMBER 13, 2013

NACAA Board Meeting

SATURDAY, SEPTEMBER 14, 2013

NACAA Board Meeting

SUNDAY, SEPTEMBER 15, 2013

NACAA Board Meeting
Nominating Committee
Regional Vice Directors Meeting
Scholarship Committee Meeting
Council Workshops

MONDAY, SEPTEMBER 16, 2013

NACAA Professional Improvement Tours
Galaxy First Timers
Galaxy Opening Event
Exhibitor Set-up (afternoon)

TUESDAY, SEPTEMBER 17, 2013

Exhibitor Set-up
NACAA Achievement Award (AM)
Opening Session
Keynote Address
Box Lunch (Provided)
Search for Excellence Award Sessions (Box Lunch)
NACAA State Officers Luncheon (Box Lunch)
NACAA - (AM) Committee Meetings
Exhibit Hall Open
Poster Session (Afternoon)
Concurrent Sessions (Afternoon)
States Night Out

WEDNESDAY, SEPTEMBER 18, 2013

NACAA Voting Delegate Breakfast
NACAA Regional Meetings (AM)
SARE Luncheon (Box Lunch)
Poster Session (Afternoon)
Concurrent Sessions (Afternoon)
NACAA Delegate Session (late afternoon)
Galaxy Silent Auction (Scholarship - PM)
Galaxy Dance

THURSDAY, SEPTEMBER 19, 2013

NACAA Communications Awards Program (Lunchtime)
Poster Session Awards Program (AM)
Continental Breakfast
NACAA Annual Banquet (Distinguished Service
Award & Hall of Fame Award) (PM)
NACAA Post Banquet Reception

FRIDAY, SEPTEMBER 20, 2013

NACAA Post-Horticulture Tour
NACAA Post- Animal Science Tour
Galaxy Brunch
Galaxy Closing Session
NACAA Board Meeting (Afternoon)

SATURDAY, SEPTEMBER 21, 2013

NACAA Post-Horticulture Tour
NACAA Post- Animal Science Tour
NACAA Board Meeting

Galaxy IV Registration

Registration for Galaxy IV for all NACAA Members (Active & Life, Spouse/Guest and Children) will be available on-line on or near May 15th at the following url:
<http://www.cvent.com/d/qcq1gz>.

A direct link to this site will be available on the NACAA homepage when it is up and running. NACAA members should also receive and email notification from Galaxy IV when the site is functioning.

Registration **WILL NOT BE HANDLED BY NACAA**, it will be handled directly by the Galaxy IV Registration Committee. Questions, problems, concerns, issues...need to be directed to Galaxy IV.

General information regarding registration: Registration costs are the following:

Early Bird - \$450

(May 1, 2013 - July 15, 2013)

Regular - \$495

July 16-August 15

Late - \$550

after August 15

One Day - \$250

Two Day - \$350

Spouse/Partner/Guest - \$300

(price does NOT include banquet ticket)

Child - \$50

(price does NOT include banquet ticket)

If you are uncomfortable registering for the Galaxy Conference On-line, you may contact the Galaxy Registration Committee directly at **877-778-2937** and they will be more than happy to assist you with registering over the phone.

Incentive for NACAA Active Members

(those paying the \$450 Earlybird Registration fee, Regular Fee or Late Fee):

Due to the fact that the Galaxy IV registration costs are a bit more expensive than a normal NACAA AM/PIC, the NACAA board of directors submitted a recommendation to the 2012 NACAA Voting Delegates when approving the 2013 NACAA budget, to offer a \$150 voucher to Galaxy IV attendees (Active members only) which can be used for the 2014-2016 NACAA AM/PIC. You will need to pay the Galaxy IV registration fee in full - and a \$150 reduction will be made on your future NACAA AM/PIC registration fee. NACAA will keep records of paid Galaxy IV attendees, in

order to verify the voucher use in the coming 3 years (only 1 voucher/member will be allowed).

NACAA First Timers: NACAA will continue the policy of allowing first time AM/PIC attendees (within your first 10 years of Extension Service) a “waived/complimentary” registration fee. In order to receive this discount, NACAA First timers, must enter the following code in the on-line registration discount code box... **NACAAfirst**. The code box will be found at the very end of the on-line registration process. **First time members NOT entering this code at the time of registration will forgo their first timer registration fee waiver.**

Since registration is being handled by Galaxy, once an individuals registration is completed, NACAA will not be responsible for correcting or crediting this “waiver/complimentary” registration. In other words...if you forget to enter the discount code, you will have to pay the entire fee, and your eligibility for future First Timer status will be used. First Timers (since no fee will be charged at Galaxy IV) **will not** be eligible for the \$150 discounted voucher for the upcoming NACAA AM/PIC's.

Galaxy IV Lodging

Several hotels have been secured to for Galaxy IV lodging and have been designated by association. During the on-line registration process NACAA members are encouraged to select the following hotel:

Pittsburgh Marriott City Center

(NACAA Headquarters)

112 Washington Place

Pittsburgh, PA 15219 US

Phone: 412-471-4000

Fax: 412-281-4797

<http://www.marriott.com/hotels/travel/pitdt-pittsburgh-marriott-city-center/>

(Walking distance to David Lawrence Convention Center: < 1 mile, 19 minutes)

Single - Quad Occupancy - \$169.00

NACAA members are not required to stay at this specific hotel, however, the vast majority of NACAA specific events will be held at the Marriott (including the DSA banquet). If you choose **NOT** to stay at any of the conference facilities, a \$500 Facilities Fee will apply.

G4 Super Seminars Planned by NACAA

1. Using Tablets, Smartphones and Mobile Devices in Extension – This workshop focuses on the use of technology tools such as smartphones and tablets to simplify your work and expand your ability to connect with and educate your clientele. As Paul Hill tweeted, “Technology won’t replace Extension Agents...but Agents who use technology will probably replace Agents who don’t.” What tools are our clientele using and what do we need to do to remain relevant in providing them with useful, educational, timely information and answers? This interactive workshop will help you to become even more irreplaceable as we answer these questions and learn about devices and applications in our work. Learn about future trends and how we can use technology tools to increase efficiency and effectiveness while improving our relationships with clientele and peers. **Jointly sponsored and planned by ESP and NACAA.**

2. Essentials for Conducting On-Site Research – Over the past few years many states have struggled with budget cuts, which in many cases has led to fewer number of Extension educators. As a result, newly hired educators are challenged to find seasoned educators to teach them about conducting sound applied research projects in the field. This workshop will include presentations on proper plan-

ning, guidelines, and methodologies of conducting field research. **Conducted as two NACAA 1-hour presentations.**

3. Preparing farm Families for Disasters – This seminar will provide Extension professionals information and resources useful to assist farm/ ranch families and other citizens preparing for and recovering from disasters caused by weather related events. It will showcase some of the resources available through the Extension Disaster Education Network (EDEN) and other sources. It will also explain the use of crop insurance and other risk protection products that are used to reduce financial losses caused by adverse weather conditions. **NACAA Super Seminar.**



NACAA – 5 – one hour blocks

Block 1 & 2 (Agronomy Super Seminar)

Essentials For Conducting Successful On-Farm Research

- Main Speaker: Ron Hoover, Senior Project Associate with Penn State
- Jeffrey Carter “Champlain Valley Crop, Soil and Pasture Team”
- Kent Shannon “On-Farm Research – An Educational Tool for Implementing and Validating Precision Agriculture Technologies”

Block 3 (Mixed – Ag Econ & Horticulture)

(3-15 min)

- Katie Wantoch - “Battle of the Sexes: Unique Programming Needs and Challenges of Women Farmers”
- Sandra Buxton - “Using Small Scale Meetings to Distribute Information and Resources”
- Anne Lichtenwalner - “Using a Farm Predicament to Enhance Health Care in Small Ruminants: Caseous Lymphadenitis (CL)”

Block 4 Seminar: Enhance Your Success in Competitive Grants (Admin Skills & Early Career)

(2-25 min)

- Kate Flewelling - “Bridges Cost Money: Finding Grant Opportunities”
- Laurie Wolinski - “Grant Writing and Evaluating – Begin with End in Mind!”

Block 5 Seminar: Using On-Line Collaborative Tools for Program Development and Delivery (Admin Skills & Teaching & Ed Tech)

(2-25 min)

- Eric Barrett - “Collaboration Methods for Developing Programs and Curriculum within Extension Teams”
- John Dorner - “Using Google+ for Professional Development, Communications and More!”

NACAA Presentations at Galaxy IV

-24 - one hour blocks, based upon number of abstracts submitted (18 PIC and 6 EDC)

- Block 1:** (Sustainable Ag)
(3-15 min)
- ◆ Wade Parker - “Farmer to Farmer Workshops and HAVTAP Training in Haiti”
 - ◆ Andrew Corbin - “Compost in Agriculture: Research, Demonstration and Outreach Project”
 - ◆ Gary England - “Extension Freeze Prediction Program Assists Central Florida Growers to Save Water”
- Block 2:** (Natural Resources)
(2-25 min)
- ◆ James Hoorman - “Training Professionals on Sustainable Agriculture to Enhanced Ecosystems Services”
 - ◆ Judy Ashley - “Cross-Programming with Farm to School”
- Block 3:** (Natural Resources)
(2-25 min)
- ◆ William Sciarappa - “Rain Garden Education Impacts in the Environmental Era”
 - ◆ Laurel Gailor - “Wood Biomass as an Energy Source – Promoting to Forest Landowners”
- Block 4:** (Horticulture)
(2-25 min)
- ◆ Katie Wagner - “USU Extension Protectors of Urban Pollinators (PUPs) Program
 - ◆ Emelie Swackhamer - “Starting an Endowment for Your County’s Master Gardener Program”
- Block 5:** (Horticulture)
(3-15 min)
- ◆ Amy Rowe - “Organic Land Care Program for Professional Landscapers in New Jersey”
 - ◆ Timothy Malinicch - “Optimizing Spray Technology”
 - ◆ Meredith Melendez - “New Jersey Farms Surveyed for Foodborne Pathogens in Tomatoes, Leafy Greens (Spinach), Irrigation Water and Soil Samples”
- Block 6:** (Horticulture)
(3-15 min)
- ◆ Taun Beddes - “Germination of Desert Olive, Stansbury Cliffrose and Curl-Leaf Mountain Mahogany in Three Substrates Varying in Water Holding Capacity”
 - ◆ Wesley Kline - “Internal Fruit Rot and Premature Seed Germination of Field Grown Colored Peppers”
 - ◆ Elina Coneva - “Feasibility of Growing Pierce’s Disease Tolerant American and French-American Hybrid Bunch Grape Cultivars in Alabama”
- Block 7:** (Animal Science)
(2-25 min)
- ◆ Donna Foulk - “The EPED – Developing a “User-Friendly” Method of Quantitatively Evaluating Horse Pastures”
 - ◆ Joel Packham - “Livestock Evaluation to Support the Mission of Youth Development”
- Block 8:** (Animal Science)
(2-25 min)
- ◆ Amber Yutzy - “Best Milking Practices”
 - ◆ Robert Goodling - “Incorporation of Supplemental Technologies to Engage Target Audience in Traditional Discussions: A Dairy Cash Flow Example”
- Block 9:** (Animal Science)
(3-15 min)
- ◆ Jim Humphrey - “North Missouri Grazing Group Supports Forage and Beef Producers Thru 2012 Drought and Beyond”
 - ◆ K. Scott Jensen - “UI Extension Study Improves Animal Vaccine Handling Among Idaho Producers and Retailers”
 - ◆ Warren Rusche - “Use of Mobile and Web Based Applications to Determine the Most Economical Feedstuffs for Use in Livestock Diets”
- Block 10:** (Agronomy)
(2-25 min)
- ◆ Brandy VanDeWalle - “Bridging Science Education with Youth Crop Projects”
 - ◆ Jeffrey Carter - “Reducing Soil & Phosphorus Loss Using a No-Till Grain Drill”
- Block 11:** (Agronomy)
(2-25 min)
- ◆ Jeanne Falk - “Cover Your Acres: A Conference to Educate Producers on No-till”
 - ◆ Ron Patterson - “Environmental Stewardship Through a Boom Sprayer Calibration Education Program for Utah”

Block 12: (Agronomy)

(3-15 min)

- ◆ Jim Crawford - “The Effect of Inoculating Soybean Seed Following a Flood on Yield”
- ◆ Norman Nagata - “Evaluation of Specticle and Ronstar G for Preemergent Herbicide Control of Eleusine Indica (Goosegrass, Wiregrass) and Bermudagrass Phytotoxicity
- ◆ Ayman Mostafa - “Management and New Method of Sampling Mite in Arizona Corn”

Block 13: (Ag Econ)

(2-25 min)

- ◆ Allan Vyhnaek - “Landlord/Tenant Cash Lease Workshops
- ◆ Heather Gessner - “Sustaining the Legacy – Estate Planning and Farm Transitions”

Block 14: (Ag Econ)

(2-25 min)

- ◆ Thomas Maloney - “Immigration Reform and its Potential Impact on Farm Management”
- ◆ Jack Davis - “Beef Production Audit Series”

Block 15: (Ag Econ)

(2-25 min)

- ◆ Elizabeth Claypoole - “Whole System Approach to Local Foods Education and Economic Development”
- ◆ Stanley Wise - “Agritourism: A New Farm Enterprise Whose Time has Come”

Block 16: (Ag Econ)

(2-25 min)

- ◆ Megan Bruch - “Pricing for Profit: Providing Guidance to Direct Farm Marketers and Value-Added Agricultural Entrepreneurs”
- ◆ Linda Seals - “Distribution Systems for Small Producers.. Building a Better Farmers Market”

Block 17: (Ag Econ)

(2-25 min)

- ◆ Cheryl Griffith - “The Future of Women’s Programming: Planning a Women in Agriculture Conference”
- ◆ Jeff Fisher - “New Faces on Old Places: Knowing our Small Farm Clientele”

Block 18: (Mixed)

(2-25 min)

- ◆ Sarah Baker - “A Steak in Your Bottom Line.. Producers Learn About End-Product Quality at Idaho Beef Summit”
- ◆ Diane Oleson - “Creating Aquatic Invasive Species Prevention Training for Water Gardening in Pennsylvania”

Block 19: (Ag Issues & Public Relations)

(2-25 min)

- ◆ Julie Smith - “Message Maps Before, During and After Disaster”
- ◆ Heather Neikirk - “Focus on Agricultural Risk Management (F.A.R.M.) – Designing and Conducting Agricultural Extension Education Programs with Risk Management in Mind

Block 20: (Ag Issues & Public Relations)

(2-25 min)

- ◆ Jim Langcuster - “The Role of Public Intellectuals in Cooperative Extension”
- ◆ Anne Adrian - “Open Science; Role of Land-grants and Cooperative Extension”

Block 21: (Mixed: Admin. Skills & Early Career)

(2-25 min)

- ◆ Laura Griffeth - “Informal Mentoring: A Common Sense Tool for a New Extension:
- ◆ Gary Hall - “Caring for Your Customers”

Block 22: (Teaching & Educational Tech.)

(2-25 min)

- ◆ Jenny Carleo - “Conduction and Impact Measuring of a Multi-Site Hybrid Course”
- ◆ Salvatore Mangiaico - “Using Web-based Services to Evaluate a Natural Resources Blog in New Jersey”

Block 23: (Teaching & Educational Tech.)

(2-25 min)

- ◆ Ed Brown - “Bridging the Divide Between Knowledge and Learning: Unleashing the Power of PowerPoint in Training Youth and Adults Using Interactive, Self-Directed Study”
- ◆ Lindsay Chichester - “Nebraska Extension Takes Youth Livestock Quality Assurance (QA) Program to the Next Level by Making it Available on eXtension through Moodle”

Block 24: (Teaching & Educational Tech.)

(2-25 min)

- ◆ David Perrin - “Electronic Scoring for Eastern Region 4-H Events”
- ◆ Mike Haberland - “A Beginner’s Guide to Creating Videos to Teach and Promote Your Extension Program”

Professional Improvement Tour Opportunities

Monday, September 16, 2013

The Northeast Region NACAA members have done an outstanding job of developing a wide variety of Professional Improvement Tour opportunities for the Galaxy IV Conference. During the on-line registration process, please select the tour of your choice to participate in. Tours are scheduled for Monday, September 16, 2013 and will be concluding no later than 5:00 in order to participate in the Galaxy IV Opening event held at the Gateway Clipper. Buses from the tours will take you directly to the event site. Tour tickets are \$20 for NACAA members and \$40 for non-members.

Tour #1: Flight 93/Johnstown History

Many of you can probably remember where you were on the morning of September 11, 2001 when several hijacked commercial airliners were used to strike



several US targets. Passengers on Flight 93 fought back and it is believed to have prevented a strike on the US Capitol. The Flight 93 Memorial is a tribute to those who sacrificed their lives to retake the plane. While the events of September 11, 2001 is seared into our recent memory, Johnstown is no stranger to tragedy. On May 31, 1889, a neglected dam and a phenomenal storm led to a catastrophe in which 2,209 people died. The Johnstown Flood Museum contains a variety of exhibits and artifacts that tell the story of the flood including the Academy-Award winning film, "The Johnstown Flood". Western Pennsylvania drew immigrants from afar to work the steel mills in many towns, including Johnstown. Additional housing was sought to serve workers as the population swelled and there was a need to build outside of the flood plain. Johnstown, like most of western Pennsylvania is very hilly and development occurred up on the hills. In order to get workers up and down the hills quickly, the town built an inclined plane. The Johnstown Inclined Plane is the steepest vehicular incline in the world, meaning its 30' cars, which are large enough to hold 60 people, 6 motorcycles, or a vehicle, travel at the steepest grade for cars their size.

Tour #2: Renewable Energy Technologies

The Renewable Energy tour will visit a number of sites in Western Pennsylvania where energy technologies have been integrated into pre-existing and newly constructed buildings. The tour will begin at a 16 kW solar array located adjacent to a private air strip. At this site, the owner generates electricity that is sold to a local power grid from a solar electric array. The second stop on the tour will visit Slezak Solar Array, where a local producer has installed a total of 85 kW of solar generating capacity to zero out the purchase of electricity for his operation. Next, we will visit St Vincent College to tour two LEED certified buildings on campus and farm land where the college has committed to growing biomass crops for use in their new biomass combustion boiler system. We will enjoy lunch at the Penn State Extension office in Westmoreland County. There are a number of innovative and energy efficient buildings, as well as solar and wind demonstration projects. Our final stop of the day will be to the Greensburg Thermal Biomass CHP. This steam plant burns a combination of Biomass and waste coal to supply heat and part of the electrical needs for the state prison located next to the plant. (Supported by SARE)



Tour #3: Frank Lloyd Wright Architecture

Frank Lloyd Wright architecture is famous in southwestern Pennsylvania. Our first stop on this tour will visit Fallingwater. Fallingwater is



the name of a very special house that is built over a waterfall. Frank Lloyd Wright, America's most famous architect, designed the house for his clients, the Kaufmann family. Fallingwater was built between 1936 and 1939. It instantly became famous, and today it is a National Historic Landmark. Why is it so famous? It's a house that doesn't even appear

to stand on solid ground, but instead stretches out over a 30' waterfall. It captured everyone's imagination when it was on the cover of Time magazine in 1938. The next stop on our tour visits Kentuck Knob. Designed on a hexagonal module, Kentuck Knob is a small one story Usonian house. Usonian, meaning affordable for the common people, was a signature design of Wright. Both dramatic and serene, the house, situated just below the crest of the hills, appears almost part of the mountain itself and stands two thousand fifty feet above sea level. Kentuck Knob represents a refinement of the many principles of organic architecture Mr. Wright explored throughout his long career. Today, the interior reflects the taste and personalities of the current owners, Lord and Lady Palumbo who are committed to preserve and maintain the house for the enjoyment of all those who, like them, share a deep admiration for Frank Lloyd Wright's genius. This tour will have some uphill walking involved. Unfortunately, children under the age of 6 cannot participate in this tour.

Tour #4: Sports Turf Management

The tour will begin at Terra-Links an automated soil mixing facility that manufactures specialty soils used in the construction of golf courses, athletic fields and roof top gardens. We will then track to Dick's Sporting Goods Park, a public Parks and Recreation facility constructed in 2008 in one of the fastest growing areas in the country. Maintenance directors at the facility will talk about the practices used to maintain the park and the relationship they have built with Cooperative Extension Educators. Lunch will be served at the park before the tour travels back to Pittsburgh for an on the field tour of Heinz Field home of the 6 time Superbowl Champion Pittsburgh Steelers. Sports turf managers will talk to the group about the everyday challenges they face maintaining the facility, a tour of the stadium structure will also be included. The tour will conclude with a stop at the county building to view and learn about the rooftop garden that was installed.



Tour #5: Pittsburgh Zoo, Phipps Conservatory and Botanical Gardens

The Pittsburgh Zoo & PPG Aquarium has conservation at its roots. While its primary focus is to protect endangered species from around



the world, the zoo strives to be a leader in conservation and green initiatives. The Water's Edge exhibit was designed not only as an ideal habitat for the animals that are housed there, but also with the idea that the building itself would be "green". Water's Edge boasts a green roof, which conserves water runoff and insulates the building. Pollinating insects also benefit from the green roof. A diverse selection of flora in an urban setting gives pollinators and the bee hives that are located there, a broader choice of nutrition as well as a longer growing season. Built in 1893, Phipps Conservatory and Botanical Gardens is one of the nation's oldest and largest Victorian "glass houses." Silvered domes of glass enclose 13 garden rooms brimming with collections of orchids, cacti and succulents, and amazing tropical plants. Phipps Conservatory is one of the most energy efficient and sustainable conservatories in the world. The new center for education will generate all of its own energy and capture and treat all of its own water on site, meeting the three highest green standards, the Living Building Challenge; LEED® Platinum and SITES Certification for landscapes.

Tour #6: Varieties of Sustainable Agriculture and Berries



Trax Farm is a large fruit/vegetable farm that markets their produce through a farmers market and also direct marketing. Trax Farm is very family oriented; the current owners are the sixth generation to operate the farm. There are 15 family members presently operating the farm as you see it today. The seventh generation, which consists of 12 kids, is also working at the farm. With the growth of the economy and more children coming into the business, Trax Farms

expanded again in 2000. Our second stop will visit Sand Hill Berries. Sand Hill Berries is a family-owned and operated small fruits farm in southwestern Pennsylvania specializing in red raspberries, red currants, black currants, gooseberries, yellow raspberries, blackberries, blueberries, and strawberries. Their primary product is hand-picked, pre-cooled raspberries, available at the farm store and farm markets. The farm has a long history; one of the cornerstones is carved 1779. Originally 400 acres, one of the present borders of the farm is one of General Braddock's routes to Fort Duquesne (Fort Pitt) during the French and Indian War. The previous land's agriculture use was as a dairy farm. They are not organic, but use Integrated Pest Management controls, a system of fungus and insect control that uses as few insecticides as possible. At West Overton, you will have the opportunity to step into the Distillery, built in 1859, in which Old Farm Pure Rye Whiskey was produced. You can see how the village represents the transformation of American culture from an agrarian society with the production of the coverlets manufactured at West Overton and the Distilling operation to the Industrial society with the excavation of coal and ultimately the production of coke, a necessary ingredient for steel. You will also step into the Spring House that served as the birthplace of Henry Clay Frick in 1849. (Supported by SARE)

Tour #7: Crops and Cows

Take a scenic drive northeast of Pittsburgh to view crop production in Western Pennsylvania. The tour will begin at Fabin Bros. Farms, a



diverse 3,000 acre operation specializing in crop production, Hereford, Black Baldy and Angus cow-calf operations, as well as commodity buying and marketing. Established in 1985, the company takes pride in their tradition as a multi-generational, family-owned and operated farm. In 2009, Fabin Bros. Farms added a soybean processing plant, creating a unique marketing system for Western Pennsylvania's agriculture industry. Each year, the farm processes more than 20,000 bushels of soybeans per week, which produces approximately 24,000 tons of meal for local mills and regional producers. The plant also produces more than 7,000,000 pounds of oil, the majority used for livestock feed. The tour will conclude at Creekland Farms, Inc., a family farm operated by fourth generation Master Farmer Andrew Kimmel that grows corn, soybeans, wheat, and barley. The Kimmel family also has a beef feedlot operation which grows out 300 fat, crossbred Angus cattle each year. The farm converted to a complete no-till system 20 years ago, including the small grains. The small grains are no-tilled using a corn/soybean planter on 15

inch rows. This allows the farm to have only one planter for all the crops. Creekland Farms has worked hard to improve the land with no-till and conservation measures, utilizing contour strips, diversions and terraces. These practices allow Creekland Farms to farm highly erodible land efficiently and effectively.

Tour #8: From Farm to Plate

Pennwood Farms is a family-owned dairy operation in Berlin, PA. Brothers Don, Glenn, Dwight and Duane Stoltzfus work in partnership



on the dairy, which features a 500-cow milking herd comprised of registered Holsteins and Jerseys. The herd is milked three times a day in a 28-stall rotary parlor, which was built in 1999 when the family moved their dairy and families from Lancaster County to Somerset County, three hours west. The farm recently added a methane digester to the operation in 2011, which utilizes the farm's manure to power a generator that supplies enough electricity for several homes. Ten employees and several family members make up the workforce for Pennwood Farms, which farms about 1,000 acres. Pennwood Farms ships the milk produced by their dairy cows to Galliker Dairy, which is the next stop on our tour. The Galliker Dairy Company was founded on March 25, 1914, when Louis Galliker purchased the Shreve Ice Cream Company located in Johnstown, Pennsylvania. The new company was first known as the Galliker Ice Cream Company. Ice cream was the firm's only product until competition forced the company into the milk business in 1925. In March 1990, the Galliker Dairy Company became one of the first dairies in the country to offer its milk in a container that protects milk from the adverse effects of light. The innovation was trademarked the "Lightsafe Yellow Jug." The Lightsafe Yellow Jug has become one of Galliker's signature products. It is widely recognized within the marketplace as a symbol for quality and freshness. Today, under the continued leadership of Louis G. Galliker III, the Galliker Dairy Company is recognized as one of the major Mid-Atlantic dairies. Galliker's distributes its products including milk, iced tea and ice cream throughout major portions of central and western Pennsylvania and Maryland and parts of Ohio, Virginia, West Virginia, Delaware, New Jersey, New York, and North Carolina. Closed toed shoes are required on this tour.

Tour #9: Natural Waterslide and Caving

The Battle of Fort Necessity was the opening of the French and Indian War which some consider the



First World War where French, British, and American Indian cultures clashed. Others point to this conflict as the main reason why French is not our native tongue. Others point to General George Washington experience in this battle as the stage for the American Revolution. This tour stop will allow you to see the historic site and become familiar with early American history. Mankind has had a fascination with going 'underground' and we'll explore a local favorite in Laurel Caverns. It is a three mile underground maze with ceilings anywhere from 10 to twenty feet in height (no crawling). Although we will not have time to explore all the cracks and crevices, we'll take a peek into the first 3,000 feet. This is about a 1 hour underground tour. Lunch will be eaten on Chestnut Ridge that gives us a great view of the valley below (as long as we are not in the rain clouds that day). Caution: The presence of steps and the natural sandy floor of the cave make the use of strollers and wheel chairs impossible. Shoes appropriate to such a terrain are strongly recommended. The cave temperature is 52 degrees F. year around, so a sweater or jacket should be worn. Anyone that lives outside of western Pennsylvania has trouble with the pronunciation of the Youghiogheny River (yaw-ki-gay-nee). This river is the centerpiece of the 20,500 acre Ohiopyle State Park; an outdoor playground. We'll check out the Ohiopyle Falls and maybe even catch some boating enthusiasts taking advantage of some of the best whitewater in the eastern US. Bring a swim suit along as we will sit in the creek bed of nearby Meadow Run and ride the water through natural waterslides (temperature and water level dependent).

Tour #10: Sheep, Beef and Fencing

Log Cabin Fence is a family owned and operated company that started in 1981 by selling wire out of the back of a pick-up truck. Log Cabin has continually grown over the years. In fall of 2004, Log Cabin moved to their current facility (31,364 square feet) having outgrown the original site of 17,350 square feet. They also have Angus and Angus Cross Cattle and run feedlot systems (which handle up to 150 head) with our main crop being Alfalfa Hay. Their background is deeply rooted in agricultural history and in association with the County Fairs, County Cattlemen Association, Farm



Bureau, County Extension Program, and the Grange. To ensure the highest quality, they have used and tested most of their product line on their farm. Sheep producer George Wherry has spent the last 35 years adjusting his farm's output to improve dressing percent, grazing pastures, and predator control. The 360-acre farm supports 800 sheep, including 365 production females, llamas and beef cattle. Wherry not only worries about his own land and livestock, but the production aspects of nearly 20 acres of neighboring ground. To help improve and develop the area, Wherry farms the small piece of ground owned by the Laskas family, with hay and other crops. Ironically, Jeanne Marie Laskas wrote about the Wherry's farm in one of her books, Fifty Acres and a Poodle.

Tour #11:Vodka, Wine and Whiskey



Wigle is named for a good-natured man who was sentenced to hang for his unsinkable love of whiskey. In 1794, Phillip Wigle defended his right to distill in a tussle with a tax collector. He unwittingly helped spark the Whiskey Rebellion, which pitted Pennsylvania distillers against George Washington's troops. Wigle Whiskey is working to restore a Pennsylvania tradition championed by these rebellious distillers. They make whiskey much the same way Wigle and his friends did, with a copper pot and local ingredients. We will then travel to Boyd and Blair Potato Vodka where we will learn that Vodka can be made from a variety of items but

Boyd and Blair Potato Vodka use locally grown potatoes as it yields a slightly sweeter vodka. Tasting will be available and vodka can be purchased. The next stop on our tour will be All Saints Craft Brewery. All Saints Brewing Company continues the long brewing tradition of Western Pennsylvania. Not only will you receive a pint glass but you will be able to taste and sample all the beer they have on draft along with a tour and explanation of the brewing process. If you're lucky you might get a chance to sample their unique Chile beer and award winning Voodoo's Child. Our final stop, Greendance Winery produces wines with hybrid vinifera grapes but what sets them apart from other wineries is that they use locally grown small fruits to produce a full spectrum of wines. After the wine tastings, we will eat lunch at their facility with some time to wander around their gift shop of wine, wine related gift items, pies, cookies, jams, and jellies. Participants on this tour must be at least 21 years old.

Tour #12: Heinz History Center & Downtown District

This half day walking tour will begin at the Heinz History Center, which features, pre-revolutionary drama of the French & Indian War to the legendary matchups of the Super Steelers, discover 250 years of Pittsburgh history at the Senator John Heinz History Center. An affiliate of the Smithsonian



Institution, the History Center is the largest history museum in Pennsylvania. The 275,000 sq. ft. museum features six floors of long-term and changing exhibition space, including the Western Pennsylvania Sports Museum, a dynamic museum-within-a-museum, and the Library & Archives, an extensive scholarly resource documenting 250 years of life in Western Pennsylvania. The History Center presents the most compelling stories from American history with a Western Pennsylvania connection, all in an interactive environment perfect for visitors of every age! Our next stop for the day will be to Wholey's Fish Market. Wholey's, officially known as Robert Wholey & Co. Inc. is a prominent fish market and grocery store in Pittsburgh's historic Strip District neighborhood. The Wholey's brand is a "household word in the Pittsburgh region. At Wholey's you will learn about importing and purchasing of every different type of fish species, as well as their ethnic markets. Following the tour at Wholey's participants will be given a tour map of the downtown strip district for their own exploration. You will also be able to enjoy lunch on your own, with a large

variety of restaurants to choose from including, Wholey's and Primanti Brothers. If you want food, this is your mecca: From the renowned Parma Sausage and Benkovitz seafood to specialty foods from around the world. It's typically the best food available at the lowest prices.

Tour #13: Agro-Tourism, Angus and Elk

McKean Brothers Angus is a multi-generational family operation that has focused on service and quality genetics. The family has focused



on raising Angus Cattle that perform for their customers. Their genetics have been offered through annual bull sales each spring as well as a fall female sale from time to time. The McKean family has also operated a buying station that offered support to the local livestock industry. Bugle Ridge Farm was founded in 1998. It is comprised of 250+ acres with over 8 miles of high fence. They presently have 100 head of elk of all ages, as well as, 125 head of Red Deer and 70 Registered Black Angus cattle. They have recently added Boer meat goats to our herd. Although originally established as a velvet antler producing farm, they have now branched out into all aspects of the business, such as, USDA inspected meat to trophy animals for your hunting preserve. (Supported by SARE)

Tour #14: Livestock and Sustainable Agriculture

The rolling Appalachian foothills are home to John & Sukey Jamison and their flock of sheep and lambs. There the sheep frolic and nibble on bluegrass and white clover nine months out of the year; and

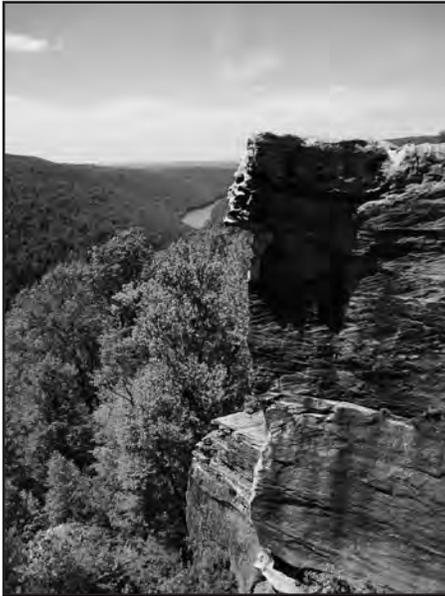


only in the winter are they hand-fed hay and corn. Their 100% natural diet and lifestyle yield meat that is lean, firm, tender, delicate and pink, free of hormones, antibiotics, herbicides

and insecticides. The Jamison's picturesque 210-acre farm produces some 5,000 lambs annually, which are destined for great cooks at home and the finest chefs and restaurants in the world. These superstars include New York City's Alain Ducasse at the Essex House, Daniel Boulud of Daniel and Cafe Boulud, Terrance Brennan of Picholine and William Telapan of Judson Grill, and Alessandro Stratta of Renoir in Las Vegas. This tour will feature the Jamison's farm as well as their family owned USDA Slaughter plant that processes lamb, making them the premier provider of lamb to the east coast. Friendship Farms is home to a native plant nursery and natural bread bakery, located in the Laurel Highlands. A visit to their picturesque farm will take you back to a time when you could buy your meat directly from a farmer or smell homemade bread baking in a hearth oven. Here you will see a working, productive family farm. Cows can be seen grazing peacefully in the fields with their calves. Acres of hay and grain, grown with sustainable methods, blanket the landscape. Visitors can also stroll through a native plant nursery and learn about trees, shrubs, and grasses native to Southwestern Pennsylvania. Closed toes shoes required on this tour. (Supported by SARE)

Tour #15: Forestry Products

Cooper's Rock State Forest serves as a recreation and preservation area, but has a wider range of uses. West Virginia's state forests also serve as areas of publicly owned land for forestry research, timber management, and watershed and wildlife protection. Portions of the forest are leased by the WVU Division



of Forestry for research, teaching, and demonstration. Highlights include the stunning Cheat River Gorge, the Westvaco Natural Resources Center Wildlife Collection, the WVU Research Forest, and a wildlife and forestry interpretive walk. Next we will enjoy a Buckwheat Cakes and Sausage Luncheon catered by the Kingwood Volunteer Fire Department. The Kingwood Volunteer Fire Department is the sponsoring organization for the Preston County Buckwheat Festival which begins every year on the last Thursday of September. Since 1938, when rural West Virginia and Preston County found economic recovery slow and tedious, local farmers grew buckwheat as an "insurance crop" which gave birth to this fall harvest celebration. Crops and

livestock are exhibited along with a multitude of crafts and educational exhibits. And of course, buckwheat cakes and sausage are served. Our final stop of the day will be too Allegheny Wood Products, Inc. (AWP). They were formed in 1973 by John and Patricia Crites with the purchase of a single hardwood sawmill. Since 1973, AWP has grown to include three green sawmills, 3 sawmills with dry kilns on site, and two dry kiln concentration yards in three states. Marketing its products worldwide, AWP has developed a reputation for excellence with both service and product quality. Appalachian Wood Pellets, formed in 2010, is a proud manufacturer and supporter of the wood pellet industry. They specialize in the production of environmentally-friendly, cost-efficient wood pellets which are a sustainable, green alternative for heating needs. As a sister company of and partner with AWP, they are able to utilize left over wood chips and sawdust pieces for use in the manufacturing of wood pellets. The bark is used to dry the wood fiber so nothing is wasted. For your safety please wear closed toe shoes.

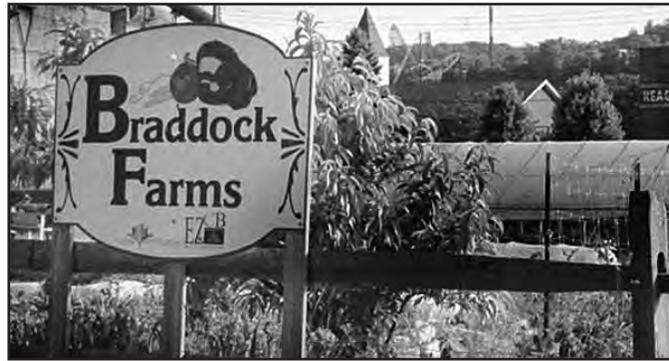
Tour #16: Natural Gas from Well Head to Distribution

Our first stop of the day will be at the beginning of the process. We will stop at a Marcellus Shale Gas well site with multiple gas



wells in production showcased. Explanation of the gas drilling and extraction process will create an understanding among participants as to the technologies involved in oil and gas extraction and the safety of the drilling and extraction processes to the environment and public. The second stop of the day will take us to the transportation process to tour a collection line compressor station providing understanding that gas wells have to be connected to processing plants via pipelines. Compressor stations control the flow of gas. Next, we will visit Cabella's to allow participants to shop and eat lunch. Following lunch we will visit a plant that takes the raw product that comes from the ground and separates it into the various components that are then moved on to market. Please remember to where closed toed shoes.

Tour #17: Urban Agriculture



Braddock was a thriving, bustling community during steel's heyday, but has become a distressed community since the collapse of the industry in the late 1970's and early 1980's. In 2005, a young, unorthodox Harvard graduate, John Fetterman, became mayor with the goal of making Braddock a desirable place for young people to live and work. Fetterman has worked to attract artists, farmers and other idealistic, creative people to reinvent Braddock. He approached Grow Pittsburgh in 2007 for help developing an urban farm, and Braddock Farms now occupies one of the town's most prominent overgrown lots. Braddock Farms is about one acre in size, made up of smaller lots that all had buildings on them at one time. The soil has taken years of composting, cover crops and TLC to get it to resemble soil again. The farm produces about 35 different crops that are sold at their subsidized farm stand and through Penn's Corner Alliance to area restaurants. Crops are produced organically, without the use of synthetic fertilizers and pesticides. Pest problems are managed as much as possible with cultural and mechanical controls, and only OMRI-listed pesticides are used as a last resort. The farm has two high tunnels, and Grow Pittsburgh plans to experiment with using one as a shade house this summer. Between Braddock Farms, the greenhouse at the Frick, and Shilo Farm, Grow Pittsburgh grew 3.75 tons of produce in 2012. Grow Pittsburgh runs a youth intern program at Braddock Farm that hires a group of high school students every summer and provides them with hands-on training in sustainable agriculture. Our next stop of the day will be to visit Burgh Bees Community Apiary. Burgh Bees is a non-profit partner with Penn State Extension of Allegheny County, "dedicated to the promotion of urban beekeeping." The group opened the first community apiary in the United States in May 2010, on a long-vacant and neglected lot in Homewood. The apiary hosts five hives exclusively for teaching new beekeepers, and also offers space to newly trained beekeepers to keep hives of their own. It also hosts a pollinator garden that is maintained by community volunteers, including residents and students. The apiary itself is funded with donations from individuals and foundations, and by sales of honey. Following the apiary, we will visit the Waterfront Shopping Center for participants to enjoy lunch on their own.

Tour #18: Hunt Institute for Botanical Documentation, Behind-the-Scenes Carnegie Herbarium, Pittsburgh Botanic Garden



Carnegie Museum of Natural History Herbarium is the major botanical facility in western Pennsylvania with over 500,000 specimens from around the world. Learn what a herbarium is, what types of research use herbarium specimens & why herbaria are important. Participants will also be treated to a behind-the-scenes tour of the entomology department at the Carnegie. The insect collection contains an estimated 13 million specimens of which over 7 million are prepared, labeled and ready for study. These collections augment studies by staff, but their greatest use is for research by hundreds of specialists worldwide where they constitute the basis for numerous scientific publications. These collections benefit present and future generations, and in their immensity comprise a public trust as a unique record of the natural world. The Hunt Institute for Botanical Documentation located on the campus of Carnegie Mellon University. Founded in 1961 by Pittsburgh area book collector Rachel McMasters Miller Hunt, Hunt Botanical Library was formed as a research institute based on her collections of rare books, original art, portraits of botanists, handwritten correspondence and other manuscripts, all relating to the history of botany. Hunt Institute Librarian Charlotte Tancin will weave a tale of Renaissance-period herbals, voyages of exploration, introduction of new exotic plants into European gardens, and early history of plant nomenclature and classification, showing the process of plant collection, study and introduction illustrated by a display of rare books, artworks and portraits. After lunch at The Porch in Schenley Park, we will tour the initial phases in the development of The Pittsburgh Botanic Garden. Led by a knowledgeable tour guide, the group will walk through the newly-developed Woodland Garden Trails. This area will showcase temperate forest species, restore the native habitat and promote biodiversity. As visitors enjoy enchanting woodland trails, they can witness some of the improvements made over the past two years such as the 2,000 newly planted native trees, shrubs and perennials, the solar powered irrigation system, and acid mine drainage treatment system.

Tour #19: Robotic Milkers and Dairy Processing



This tour features an independent dairy processor and two innovative multigenerational dairy farms that buck the national trend for dairy farming. The tour begins with Turner Dairy Farms, a fixture of the local agriculture scene since the company was founded in 1930. They pride themselves on producing high quality milk and bringing locally produced milk to local markets. In addition to producing a variety of rBST free fluid milk products, they supply the Pittsburgh area with Premium Iced Teas, as well as 100% Juices, Juice Drinks, Cream Products, Cultured Dairy Products, and Ice Cream mixes. From this Pittsburgh dairy you will travel to the Kepple Family farm. The farm is milking 170 cows through a 3 station robotic milking parlor. The Kepple Dairy includes three generations of family and in addition to the cows, they produce all the forages for their herd. Lunch will be provided at the Westmoreland Extension Office which is a feature in its own right featuring a small scale wind turbine and solar panel demonstration and an award winning demonstration garden planted and maintained by Penn State Master Gardeners. Following the lunch break the final stop on the tour will be Hopeway Dairy Farm. Two generations of the Frye family manage this 300 cow facility and farm 1100 acres of crops. The state of the art dairy facility features many technologies to enhance cow comfort. Of particular interest is their use of Select Detect activity monitoring system for use in their heat detection program, technology that they have been using since June 2010.

Tour #20: PA Mushroom Production/ Local Food System

Chatham University's 388 acre campus is the largest in Allegheny County, PA and home to the new School of Sustainability and the Environment. Programs at Eden Hall Campus include an environmental studies learning lab, initiatives in sustainability, food studies, landscape architecture, and women's studies. The tour will feature the facilities and demonstration of inoculation/production of

shitake mushroom logs. We will then travel to Soergel Orchards a family owned farm since the 1850's beginning with German immigrant John Conrad Soergel who first planted apple trees. Today the farm is 450 acres over several locations. The farm has a large market, garden center, and gift/furniture barn. The market sells seasonal produce, as well as baked



goods, wine, and beef. The store also features gluten free, allergen free, and organic products to cater to consumer demands and needs. Soergel strives to provide high quality produce using IPM practices. The day will conclude at Sylvan Spawn Company. Sylvan is the world's largest producer and distributor of mushroom spawn with facilities in 17 locations serving in over 65 countries. They are a global leader in fungal technology providing spawn and related products to the mushroom industry while also offering biological solutions to other industries. We will tour the lab facilities where the mushroom spawn or "seed" is produced. This is the first stage of mushroom production. (Supported by SARE)

Tour #21: Wildlife Habitat Management



This tour will highlight the habitat management that the PA Game Commission (PGC) is doing on public and private lands in southwestern Pennsylvania. Led by PGC wildlife biologists, the participants will experience first-hand how the Game Commission restores and rehabilitates lands impacted by energy extraction, improves farmland habitat, and balances food, water, and cover on state game lands for hunters and all the citizens of the state. This tour is organized by ANREP.

**Tour #22: Restoring our Waters:
Dirty to Clean**



This tour will highlight innovative water resource restoration and management techniques in Southwestern Pennsylvania. Participants will discover how a variety of organizations and agencies such as the Loyalhanna Watershed Association, Pennsylvania's Department of Conservation & Natural Resources (DCNR), Carnegie Museum of Natural History, and other local groups restores and rehabilitates water impacted by land uses including acid rain, erosion, development, natural gas drilling and some impacts unique to this area of the state such as coal mining. This tour is organized by ANREP.



Scholarship Auction

On Wednesday, September 18th, the Galaxy IV Scholarship Silent & Live Auction will be held (see schedule for exact times).

NACAA members are encouraged to bring Auction items with them to apply towards your NACAA Educational Foundation donation. 100% of the proceeds raised from NACAA donated items will be returned to the NACAA Educational Foundation to be used for scholarships.

During the registration process, you will be given the opportunity to identify if you plan to bring items, and even upload a picture/description to be used during the auction.

**Tour #23: Arabians, Equine Studies,
& Standardbred Racing**



The Equine Industry in SW Pennsylvania plays an important part in the financial impact on the local economy with its numerous breeding stables, training facilities, and The Meadows Racetrack. Our first stop will be at Bethany College located in the Northern Panhandle of West Virginia. Bethany College is the oldest private liberal arts college in West Virginia where traditions of academic excellence and lifelong learning are hallmarks of the Bethany experience. The Bethany College Equine Studies Program offers students opportunities in equine management, pre-veterinary medicine, and a social work major with an equine-facilitated therapy certificate. Courses are designed to give the students hands-on experience in a variety of areas within the equine industry. From Bethany College we will travel to the beautiful Keepsake Arabian Stables which is a new, state-of-the-art facility. The goals at Keepsake are to create an educational, competitive, and winning atmosphere for both the horse and rider. At Keepsake, we will have an opportunity to hear about their breeding and training program. The tour will conclude with a behind the scenes tour of The Meadows Racetrack and Casino. We will hear about the Standardbred Racing Industry from some owners, trainers, and staff veterinarians. During lunch, we will have an opportunity to watch several races and maybe wager a bet or two in the Casino. Because we will be visiting the Meadows Racetrack and Casino, all tour participants must be 21 years of age or older.

**Baseball Game -
Pittsburgh Pirates v. San Diego
Padres**

During the Registration Process - you will have the opportunity to order tickets for yourself and all family members and guests for the Pittsburgh Pirates v San Diego Padres Baseball game. There will not be separate ordering opportunities during youth and spouse/partner/registrant guest registration. Includes Clemente Jersey or Hat. Game occurs on Tuesday, September 17 at 7:00 PM during State's Night Out. Transportation is on your own. Consult your state leadership for their "State's Night Out" plans as this will be on the same night.

Life Member Activities

Tour - Duquesne Incline, Grandview Saloon, National Aviary

Cost \$20 Wednesday 11:30am-4:30pm



The tour will start at the top of Mount Washington which offers a panoramic view of Pittsburgh, we'll have lunch (on your own) at the Grandview Saloon which offers good food at a reasonable price. At the Grandview you'll enjoy a panoramic view of Downtown Pittsburgh from 400 feet above the three rivers. We'll travel down Mount Washington on the Duquesne Incline. It's like taking a step back in time. We'll ride on a century-old cable car and see the best view of downtown Pittsburgh. Opened on May 20, 1877, the Duquesne Incline was rescued and restored by a group of local residents in 1963 and still delights residents and visitors with its original, elegant, wooden cable cars. The Duquesne Incline's upper station houses a museum of Pittsburgh history, including photos and a storehouse of information on inclines from around the world. Unusual Pittsburgh souvenirs, maps and photos can be found at the gift shop. We'll finish the day at the National Aviary - America's only independent indoor zoo dedicated exclusively to birds. National Aviary's diverse collection comprises more than 600 birds representing more than 200 species from around the world, many of them threatened or endangered in the wild. The National Aviary's large walk-through exhibits create an experience unlike any other - an intimate, up-close interaction between visitors and free-flying birds, including opportunities to hand-feed and meet many species rarely found in zoos anywhere else in the world.

Seminars

Talkin' Turkey - a program about American Turkeys and Turkey Hunting by Tom Hindman.

Financial Peace - A program about financial management and investing your money presented by Michael Haley.

Cooperative Householding: Make it Fast, Easy & Fun!

Tuesday, Sept. 17 3-4pm

Cooperative householding is a form of intentional community in which two or more unrelated people share a residence to gain financial, social, lifestyle and environmental benefits, whether they co-own or co-rent. This session describes how easily and magically a handful of people can create a cooperative household. The presenters will share the tools that make it work, including their General Partnership Agreement and other taking-care-of-business details.

Karen Bush, Louise Machinist and Jean McQuillin created a cooperative household in 2004, when they pooled resources to buy a big old house and moved in together. They authored *My House Our House: Living Far Better for Far Less in a Cooperative Household* (St. Lynn's Press, 2013.)

How to Avoid Travel Misery!

(What happens in another country doesn't necessarily stay there!) Do you love to travel, but are afraid of becoming ill? Have you ever journeyed to another country and thought you packed everything to stay healthy? Then, you forgot to use bottled water to brush your teeth? This session will provide different precautions to stay healthy and safe in foreign countries to not bring other maladies home with you. Betty English is an experienced sick traveler who has visited many central and south American countries which she will highlight in her seminar. Presented by: Betty English, UGA Cooperative Extension, Public Service Associate, Family & Consumer Sciences

Spouse Tours

The National Aviary

Tuesday, Sept 17 cost \$27 9:30am – 2pm

The National Aviary is America’s only independent indoor zoo dedicated exclusively to birds. National Aviary’s diverse collection comprises more than 600 birds representing more than 200 species from around the world, many of them

threatened or endangered in the wild. The National Aviary’s large walk-through exhibits create an experience unlike any other – an intimate, up-close interaction between visitors and free-flying birds, including opportunities to hand-feed and meet many species rarely found in zoos anywhere else in the world. This tour includes lunch and a bird show. The Aviary aims to provide outstanding education programming for varied audiences; present the highest quality family recreational experience that a zoological institution can offer; save endangered species by preserving natural habitats; continue endangered bird breeding programs and conduct meaningful avian research. Tour includes Lunch on the Fly and a live bird encounter show.



Heinz History Museum

Wednesday, Sept. 18

Cost \$20 9:30am – till whenever you want to leave (walking tour close to convention center)

From the pre-revolutionary drama of the French & Indian War to the legendary match-ups of the Super Steelers, discover 250 years of Pittsburgh history at the Senator John Heinz History Center. An affiliate of the Smithsonian Institution, the History Center is the largest history museum in Pennsylvania. The 275,000 sq. ft. museum features six floors of long-term and changing exhibition space, including the Western Pennsylvania Sports Museum, a dynamic museum-within-a-museum, and the Library & Archives, an extensive scholarly resource documenting 250 years of life in Western Pennsylvania. The History Center presents the most compelling stories from American history with a Western Pennsylvania connection, all in an interactive environment perfect for visitors of every age! We will have a docent guide for 2 hours. Lunch is included in the price.



Pittsburgh Zoo & PPG Aquarium Thursday, Sept. 19

cost \$23 9:30am – 3pm

The Pittsburgh Zoo & PPG Aquarium is home to thousands of amazing animals representing more than four hundred species, including 22 threatened or endangered species. Find out where penguins live, what a naked mole rat likes to eat, or how the spectacled bear got its name. This tour includes lunch.

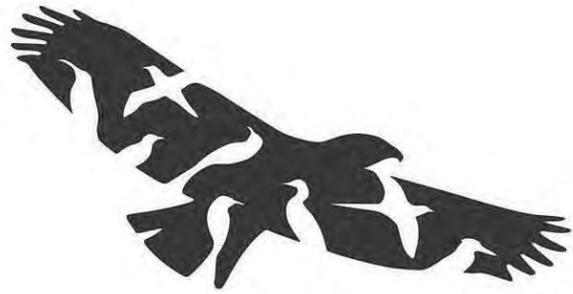


Youth Tours

National Aviary

Tuesday, Sept 17 Cost \$27 9:30am – 2pm

The National Aviary is America's only independent indoor zoo dedicated exclusively to birds. National Aviary's diverse collection comprises more than 600 birds representing more than 200 species from around the world, many of them threatened or endangered in the wild. The National Aviary's large walk-through exhibits create an experience unlike any other—an intimate, up-close interaction between visitors and free-flying birds, including opportunities to hand-feed and meet many species rarely found in zoos anywhere else in the world. This tour includes lunch and a special bird show just for us.



NATIONAL AVIARY

let your spirit soar

Pittsburgh Zoo & PPG Aquarium

cost \$23

The Pittsburgh Zoo & PPG Aquarium is home to thousands of amazing animals representing more than four hundred species, including 22 threatened or endangered species. Find out where penguins live, what a naked mole rat likes to eat, or how the spectacled bear got its name. This tour includes lunch.



PITTSBURGH ZOO & PPG AQUARIUM

Carnegie Science Center and Highmark SportsWorks

Wednesday, Sept. 18 cost \$20

A day at the Science Center is filled with science adventures guaranteed to ignite the “wow! hmm...aha!” in all of us. Carnegie Science Center offers four floors of interactive exhibits that are geared for all ages—from the smallest scientists to adults! Spend a day to EXPLORE...A real Cold War-era submarine, USS Requin, roboworld™, the world's largest permanent robotics exhibit, SeaScape: home to upside-down jellyfish, clownfish, and seahorses, Cutting-edge surgical techniques at BodyTech. This isn't your usual science museum!

Many would agree that there isn't a bigger sports town around, and Pittsburghers nurture their young to embrace that proud legacy. But did you know that a passion for sports can be used as a gateway to talk about the topics of physics, anatomy, biology, and even chemistry? That's the whole idea behind Carnegie Science Center's Highmark SportsWorks®: to inspire learning and curiosity by uniting the experience of sports for every age level with the laws of science that control sports. Highmark SportsWorks® offers nearly 30 interactive experiences in three thematic areas: LifeWorks, Physics of Sports, and Sports Challenge. Choose from different snacks and compare how long it takes to burn off the calories of each while pedaling a hand cycle at Calorie Cycle. Peer inside the human body using X-ray, CT, and MRI scans with innovative touch-screen technology in the BodyScan exhibit. Go on a wild simulator ride into the human body with Body Cam, where you will explore cutting-edge surgical techniques. In Physics of Sports, visitors put their inner daredevil to the test.



Pesticide Stewardship Brochures

NACAA has partnered with Syngenta on Seven general pesticide stewardship brochures and two flyers to assist with pesticide educational efforts. These brochures are not specific to any geography, target site, pest, product, or company. These brochures are available to NACAA members FREE of charge for your use in programming efforts. Enter the number of copies you are interested in next to the specific brochure/flyer and submit to the address listed below. Your supply will be sent at no charge.

- ___1) 50 Ways to Treat Your Pesticide - English edition
- ___2) 50 Ways to Treat Your Pesticide - Spanish edition
- ___3) 50 Ways to Treat Your Pesticide - Aerial Applicator edition
- ___4) 50 Ways to Treat Your Pesticide - Pest Management Professional edition - (for commercial, licensed or certified applicators and technicians under their supervision, for treating in and around structures)
- ___5) The Value of Buffers for Pesticide Stewardship and Much More
- ___6) Pollinators and Pesticide Stewardship
- ___7) Dress for Success! Some Things to Know About Personal Protective Equipment BEFORE You Handle a Pesticide
- ___8) For Pesticide Mixers, Loaders, and Applicators - Some Things to Know About Personal Protective Equipment BEFORE You Handle a Pesticide - English edition (2-page flyer, 8th grade reading level)
- ___9) For Pesticide Mixers, Loaders, and Applicators - Some Things to Know About Personal Protective Equipment BEFORE You Handle a Pesticide - Spanish edition (2-page flyer, 8th grade reading level)



Available Formats:

Quantities of the actual brochures that will be “well-used” can be ordered free of charge from carol.somody@syngenta.com by emailing this order form or a short note. No PO boxes, please! A copy of this form is also available at: <http://www.nacaa.com/countyagent/PesticideStewardship.php>

PDF versions of the brochures can be viewed or downloaded from the Pesticide Environmental Stewardship (PES) website at <http://pesticidestewardship.org/Pages/Resources.aspx> or from any of the partner websites. Any organization is also welcome to post these brochures on their own website.

Word versions of the brochures can be requested by any organization desiring to modify or extract content.

Email carol.somody@syngenta.com to discuss logo swaps with or without content changes. Artwork and photos can be used if conditions of use are met.

PowerPoint presentations to go with the brochures are also available upon request.

Pesticide educators are also welcome to use or adapt any content that appears directly on the PES website – it is not copyrighted.

Thank you for your continued efforts on behalf of pesticide safety and stewardship education!

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Altria



Science For A Better Life



The County Agent

POSTMASTER: SEND ADDRESS CHANGES TO:
The County Agent - NACAA, 6584 W. Duroc Rd.,
Maroa, IL 61756 - Attn: Scott Hawbaker

ANNUAL MEETING AND PROFESSIONAL IMPROVEMENT CONFERENCE DATES

2013
Pittsburgh, PA (Galaxy IV).....Sept. 16-20

2015
Sioux Falls, South Dakota.....July 12-16

2014
Mobile, Alabama.....July 20-24

2016
Little Rock, Arkansas....July 24-28

