Happy Fall!

I am honored and blessed to serve as this year’s president! This past year has been very satisfying under the leadership of our past president, Amanda Bachmann, and I look forward to building on the many things we accomplished. We have added several new members to the Friends of the Frost, added new exhibits, placed UV screen on the windows, and covered the walls with beautiful insect photography.

As we enter into the next year, I am very excited about the partnership between FFEM and the community. We have a well established partnership with the Master Gardeners in Molly Sturniolo and Pam Ford. They have introduced a new Master Gardeners pollinator display in the museum, focusing on pollinator’s role in putting food on our table. Did you know that 1 of every 3 bites of food you eat is dependent on pollinators?

In addition, Pam Ford led coordinating efforts to give FFEM a ‘fresh look’ through the design of a new logo. Our new FFEM logo takes into account the history of FFEM and where we hope to go in the future. As many of you know, the museum is named in honor of Stuart Frost who spent much of his life researching leaf mining flies. Pictured in the logo is the mined-leaf underneath the globe with the emerging fly overtop of the museum name. This symbolizes the museum history, our global impact, and our journey into the future as we move forth in preserving, maintaining, and improving the Frost Entomological Museum.

Our partnership with the Penn State Entomology Department has been integral to the success of the museum. I am thrilled to announce the addition of Amber Gray as a new FFEM board member who is currently coordinating many of the workshops and educational school tours that frequently visit the museum. Numerous entomology graduate students are very faithful in partnering with the museum, whether it is guiding school tours, creating new exhibits, or participating in our museum clean-up days.

In the coming months, I plan and hope we can continue to make the museum a ‘must see’ attraction to all who visit Penn State and the surrounding university landmarks. I desire to improve our museum and attract more and more visitors throughout the coming years through the addition of exhibits, specimens and interactive displays. I am very thankful to all of you who faithfully support FFEM; we would not be here if it was not for you! Have a great Fall season!
To most people, the term “African bees” conjures images of cloud-like swarms bearing stinging death to any and all who dare disturb them. Far from the ferocious killers that Hollywood films make them out to be, the African honeybee is an important subject of research in light of recent pollinator decline. An estimated one-third of US honeybee hives were lost in 2007 due to a mysterious ailment known as Colony Collapse Disorder (CCD) as well as several other honeybee pests and maladies. While most of the bees kept in the U.S. are European in origin, several other subspecies of honeybees reside in Africa. While some of these subspecies are indeed known for their aggressive behavior, this ability to defend themselves from predators, disease, and other environmental stressors may be the key to resolving the problems that the European honeybees now face.

In February and March of 2009, we (CCE members Jim Frazier, Jim Tuminson, Daniel Schmehl, and Tracy Conklin, as well as Maryann Frazier, senior extension associate specializing on honeybees at Penn State) went to Kenya to begin a comparative study between African and European honeybees and establish a collaboration with the International Center for Insect Physiology and Ecology (icipe) in Nairobi. We were joined by Tom McCormack, a professional beekeeper with extensive experience working with Africanized bees in Central America. During the three-week stay, our group worked closely with icipe researchers to accomplish many experiments within each of our respective areas of research.

Daniel set out to determine whether African honeybees are more sensitive to pesticides than our European honeybees. In the U.S., European honeybees are used to pollinate numerous different agricultural crops, coming in contact with several different classes of pesticides that farmers spray to prevent pest damage. In Africa, farmers use far less pesticides than farmers in the US. Daniel examined whether African honeybees are able to tolerate pesticides at the same levels that European honeybees encounter in the U.S. In addition, Daniel measured the learning abilities of pesticide exposed African bees by using the proboscis extension response (PER) technique. In PER, an individual honeybee is trained to a specific odor using a sugar reward. Once trained, the honeybee extends its mouthparts – expecting a sugar reward – when it senses the odor. By comparing the control and pesticide-treated bees, we can infer what effect a given pesticide is having on the honeybee’s learning abilities. Changes in learning ability in response to pesticide exposure may result in breakdown of foraging and communication. Identical experiments will be implemented on European honeybees during summer 2009 to determine whether African and European honeybees are affected differently by identical pesticide exposure.

Tracy, meanwhile, tried to tease out the factors that affect attraction of the small hive beetle to beehives. The small hive beetle is a pest which originated in Africa, but this species has recently been introduced into the US. Small hive beetle larvae and adults feed on honey, pollen, and brood. The beetles can reach population levels which cause the bees to abandon the hive full of nothing but beetles. Baldwyn Torto, a collaborator at icipe, discovered that the small hive beetle carries a yeast which, when growing on pollen, produces honeybee alarm pheromone. This alarm pheromone blend is very attractive to the small hive beetle. Tracy assessed the levels of beetles and yeast in the African beehives as they corresponded with other hive factors such as temperature and humidity, hive volatiles, stores, and aggression. Tracy also had the opportunity to collect volatiles from the hives of stingless bees, a tropical group of tiny bees that are kept for their medicinal honey. Unfortunately, small hive beetle populations were very low due to the weather transition from the dry to rainy seasons. Ayuka T. Fombong, a master’s student at icipe, is carrying out further beetle counts and measurements during the rainy season.

As much as we enjoyed our work with the African bees, we did not spend all of our time in the lab and the apiary. We had the opportunity to safari in Nairobi and Amboseli National Parks to view the plentiful wildlife and beautiful scenery. We thoroughly enjoyed the cultural experience of shopping in Nairobi. We also had the privilege of viewing traditional Maasai dancing and visiting the Nairobi national museum.
African Honeybees: Continued

In addition, the tropical climate of Kenya afforded us many insect-collecting opportunities that weren’t limited to bees and beetles. Finally, and perhaps most memorably, we were overwhelmed by the hospitality and kindness of all of the people we met at icipe.

Our recent trip was just the beginning of a long series of collaborative projects with our friends in Kenya. As part of our ongoing African honeybee project, a few researchers from icipe will be visiting us here in State College in September 2009 to observe U.S. beekeeping practices. We are also eagerly anticipating our 2010 trip to Kenya to follow up and expand on this project. We look forward to bringing you another exciting report about African honeybees in Kenya.

Jim Frazier with bug net

Jim Tumlinson with zebras
BOOK REVIEW: The Dangerous World of Butterflies by Robert Snetsinger
Professor of Entomology, Emeritus Department of Entomology, Penn State University

“Now I love butterflies, I watch them flutter into sight and then follow them, trying to keep track of them, not to catch them or even to identify them—just to enjoy them.” The previous subjects of professional journalist Peter Laufer’s some dozen books and many documentary films, and radio broadcasts had been wars, political conflicts, disasters, anti-war protests, and other human violence. When asked “the topic of his next book”, on a television interview Peter replied somewhat jokingly “flowers and butterflies”. Jane Foulds, a butterfly farmer, heard this CSPAN interview and she invited Peter to visit her Butterfly Reserve in Nicaragua.

Laufer’s first introduction to butterfly watching was observing drunken Caligo memnon butterflies feeding on rotten bananas. The worldly-wise journalist soon discovered that the realm of butterflies and those who hoard them was not as pristine and academic as he had initially imagined. His off the cuff remark about flowers and butterflies led to: The Dangerous World of Butterflies, (2009; The Lyons Press, Guilford CT).

Peter not only provides an exposé of the “butterfly-huggers”, showmen, nefarious collectors, poachers, smugglers, butterfly livestock dealers, and artists that paint with butterfly parts, but in en route he metamorphoses into a “Butterfly Boy.”

Laufer’s entrance into the world of butterflies starts in Nicaragua and a meeting with Jane Campbell Foulds (b. 2 June 1948; d. 25 Feb. 2008). First let me introduce; Jane Foulds was a native of Lewisburg PA. Both Jane Campbell and her future husband Gerry Foulds grew-up in Lewisburg PA and were married in 1968. Immediately, Gerry, who was in the U.S. Army, was shipped to Vietnam and served as an interpreter; Jane withdrew from college and joined her husband in Vietnam living in jungle and also learning Laotian. After, Gerry’s discharge, the couple moved to Pittsburgh where Gerry studied law at Duquesne University. Jane finished a B.S. in accounting at the University of Pittsburgh in 1974; followed by a M.S. in Business Administration. After completing this degree, Jane was employed in the Pittsburgh City Treasurer’s Department for two-years. With the arrival of children, Jane became a housewife and mother.

Involvement with the PTA, led to a position as a director of parental involvement in public schools until 2000. In addition, Jane taught business courses in Allegany County Community College. Periodically, Jane and Gerry made church mission trips to Haiti, Puerto Rico, and Nicaragua in 1998. In 2000, Gerry got a Medicare Administrator job in Miami and shuttled between Florida and Nicaragua and Jane shuttled between, Miami, Pittsburgh, and Nicaragua looking to a location for their butterfly farm; a ten-acre site near Granada was selected.

In 1999 and 2000, Jane visited the Frost Entomological Museum on two occasions and looked at specimens and discussed her plans; and later we corresponded. Shortly thereafter, Jane and Gerry established their butterfly reserve near Granada and reared butterflies for collectors and commercial butterfly exhibits, and provided accommodations and tours for guests who visited the reserve. A visit with Jane Fould was a good starting point for Laufer’s entry into the world of butterflies, because she set him on cheeky tract, which he followed in his encounters with other eminent butterfly stalwarts or “butterfly huggers” in Jane’s vernacular. In 2003, Jane suffered a stroke, which left her partially paralyzed, but she was able to supervise The Butterfly Reserve. However, Jane died in February of 2008 before Laufer’s book was published. The Foulds family plans to continue to operate their butterfly reserve.

Peter Laufer takes his readers into the bitter controversy between Jeffery Glassberg (authors of many books on butterflies) and his passive, non-consumptive North American Butterfly Association (NABA) and the International Butterfly Breeders Association (IBBA, butterfly farmers and ranchers); the two organizations have opposing views on butterfly releases, live butterfly exhibits, and much more. The foremost spokesperson for the butterfly farmers Rick Mikula is a past-president and a founder of IBBA; he operates the Hole-In-Hand Butterfly Farm (Hazelton PA), is a past officer of the New Jersey Lepidopterist Society, and author on butterfly topics; he lectured at Penn State some years ago. I have attended IBBA meetings, am a NABA member of long-standing and know and have corresponded with a number of those interviewed by Laufer.

Exploring the world of butterflies and butterflies with Peter Laufer and his interviews with scientists who are attempting to preserve endangered and threatened species and nefarious poachers who sell rare specimens with false label information provides the reader with insights on how dangerous the world is for butterflies coveted by humans and how risky for lepidopterists to assume that private collections gifted to museums are safe from deceit. The Dangerous World of Butterflies is especially delightful reading, if you know the cast of “butterfly huggers” and you are not among those on “trial”.
Approximately 35 people attended the annual meeting at Tudek Park on August 30, 2009. The weather was very good, a little breezy but comfortable. We enjoyed good food and fellowship and afterward had a business meeting to elect new officers. President Dan Schmehl was the cook and first in line for food was Bob Byers!
Minutes of FFEM Executive Committee Meetings

Several meetings of the Executive Committee have been held since the last newsletter.

April 15, 2009

President Amanda Bachmann called the meeting to order at 11:30 AM. Also present were Denise Piechnik, Robert Snetsinger, Dan Schmehl, Molly Sturniolo and Robert Byers.

Pres. Bachmann called for the reading of the minutes of the meeting held on Feb. 25, 2009 by the Secretary-Treasurer R. Byers. D. Schmehl moved to accept the minutes as read. M. Sturniolo seconded. Motion passed.

R. Byers presented the Treasurer’s report. Income for the month was from interest ($11.73). There were no expenses this period. There was a negative balance of $161.19 for the year. Total assets were $12,268.53. R. Snetsinger moved to accept the treasurer’s report. M. Sturniolo seconded. Motion passed.

Pres. Bachmann called for old business. Pres. Bachmann presented a spreadsheet for the displays in the public area of the museum. She hoped the displays will be completely finished in time for the first tour April 29. D. Schmehl said most of the insect models were broken that were on display. He said we need to order new models.

There was some discussion of the new photos for the wall in the display area. R. Snetsinger showed the aluminum frames that will be used for the photos. He also showed some milk weed floss and cited some of its uses.

Pres. Bachmann called for a discussion of an electronic mailing of the next Newsletter. After some discussion it was decided that R. Byers will make a list of email addresses and send the next Newsletter by that method to save postage and printing costs. Anyone not having email will still get a hard copy.

R. Byers will email the last Newsletter to the Department Head and to Bruce McPherson.

Pres. Bachmann said we need brochures for the Museum. R. Byers will send her the file.

R. Byers said that the Entomological Society of PA was planning a field trip to Clinton County to see the latest Emerald Ash Borers infestation. It will be sometime in early June.

R. Snetsinger said that the bulletin board at Tudde Park is complete. He is posting the continued northward movement of the Monarch butterfly from its overwintering sites.

M. Sturniolo reminded us that the Master Gardeners Plant Sale on May 16 and asked if FFEM would like to help. Glen Sokol will help by wearing a bee costume. D. Schmehl will get the costume and a small bee hive for observation.

R. Byers said he will complete the necessary forms on line for the income tax report to the IRS and a fee from the Department of State of Pennsylvania, Bureau of Charitable Organizations. They wanted us to renew our current registration to solicit contributions in Pennsylvania. We have until May 15 to respond.

Pres. Bachmann announced the next Executive Committee Meeting will be at 11:30 AM on May 20, 2009 in Head house III.

Meeting adjourned at 12:25 PM. Respectfully submitted,

Robert A. Byers
R. A. Byers, Secretary-Treasurer

May 20, 2009

President Amanda Bachmann called the meeting to order at 11:37 AM. Also present were Beth and Don Brobst, Jane Earle, Robert Snetsinger, Molly Sturniolo and Robert Byers.

Pres. Bachmann called for the reading of the minutes of the meeting held on April 15, 2009 by the Secretary-Treasurer R. Byers. R. Snetsinger moved to accept the minutes as read. D. Brobst seconded. Motion passed.

R. Byers presented the Treasurer’s report. Income for the month was from interest ($10.19) and members dues. Expenses this period were for printing D. Schmehl’s Poster and for hanging the Pollination Display. Also, there was a fee for the Commonwealth of PA and postage to mail the Newsletter. There was a negative balance of $56.90 for the year. Total assets were $12,372.82. R. Snetsinger moved to accept the treasurer’s report. B. Brobst seconded. Motion passed.

R. Byers passed around a list of people who had not paid dues this year. About fifty percent of the members have not paid. Pres. Bachmann promised to send an email to students at Penn State reminding them to pay up. R. Byers will send a second notice with the next Newsletter in the fall.

Pres. Bachmann called for old business. Pres. Bachmann gave a progress report on the public display area. Some of the displays are completed. There have been tours given to grade school students. The millipedes and walking sticks were brought to the museum during the tours and returned to the ASI building afterward. The bee hive is now working and has bees. The remaining displays will be completed soon.

R. Snetsinger reported that the photos for the display area are printed, frames bought and glass cut. W. Snetsinger will put the photos on mats. A Dragonfly in one of the pictures needs to be identified. J. Earle suggested D. Bogar could do it. R. Byers said Clark Schiffer also might identify it. No action was taken.

M. Sturniolo said that the notification for the next Newsletter as an email should be sent as a blind carbon copy. That way no one can see our distribution list. It is a privacy issue. R. Byers will send the notification as a blind carbon copy (bcc) later this summer.
M. Sturniolo gave a report on the Master Gardener’s plant sale held on May 15 at Rock Spring. They made some profit but not as much as last year. The event was well organized and they sold most of the plants. She returned the bee costume borrowed for the event.

President Bachmann called for New Business. A discussion of the next annual meeting date followed. Amanda suggested Aug. 30 or Sept. 6, 2009 depending upon the site. Tudek Park in State College was the proposed site. R. Byers proposed Blue Spring Park in Boalsburg as an alternative if the pavilion can be rented for nothing. He will call Harris Twp. to learn if it is available. M. Sturniolo thought we can get Tudek Park pavilion for free. Pres Bachmann tabled the discussion until the next meeting.

Pres Bachmann called for a discussion of nominations for next year’s officers. We need a Pres-Elect and another board member. R. Byers asked J. Earle to be nominated for Member-at-large. J. Earle agreed if we acknowledged she may not make every monthly meeting. R. Byers said none of us make every meeting.

Pres Bachmann asked when the next Newsletter will appear. R. Byers said he plans one for October or November 2009.

R. Snetsinger called for a discussion of how to get more members. He suggested we should try to get pest control operators to join. We could write articles for their newsletter. M. Sturniolo said we also could use the Small Museum Association to get more members. We could tell them about our society. Also, the Master Gardeners have a Newsletter where we could post articles. R. Snetsinger said we need to find out what State Universities are teaching Entomology and contact them. B. Brobst suggested contacting the Audubon Society chapter. R. Byers gave her 10 of our brochures to hand out to the Audubon group.

This concluded the New Business.

Pres Bachmann called for the next Executive Committee meeting to be held on Aug. 5, 2009 at 11:30 AM in Head house III.

Meeting adjourned at 12:15 PM.

Respectfully submitted,
Robert A. Byers
R. A. Byers, Secretary-Treasurer

Aug. 5, 2009

President Amanda Bachmann called the meeting to order at 11:37 AM. Also present were Beth and Don Brobst, Pam Ford, Denise Piechnik, Dan Schmehl, Robert Snetsinger, Molly Sturniolo and Robert Byers.

Pres. Bachmann called for the reading of the minutes of the meeting held on May 20, 2009 by the Secretary-Treasurer R. Byers. B. Brobst moved to accept the minutes as read. D. Schmehl seconded. Motion passed.

R. Byers presented the Treasurer’s report. Income for the month of June and July was from interest ($10.60 and $10.20, respectively) and 17 member’s dues. Also, $310 came from a plant sale and $10.00 from a refund from Milikowski Co. Expenses this period were for an excessive withdrawal fee from Nittany Bank. They only allow three per month and we had four.

There was a balance of $394.12 for the year. Total assets were $12,823.84. B. Brobst moved to accept the treasurer’s report. D. Schmehl seconded. Motion passed.

Pres. Bachmann called for Old Business. She called for a update on the annual meeting plans. M. Sturniolo said we have the big pavilion reserved for free at Tudek Park from noon to 8 PM on Aug. 30, 2009. The Master Gardeners will be invited. R. Snetsinger suggested we have a memorial to the husband of a Master Gardener who recently died. He further suggested we do a dedication at the Annual meeting. He thought we could plant a tree in his honor. We could also release some Monarch Butterflies. After some discussion P. Ford volunteered to donate a spice bush for the ceremony. R. Snetsinger said he is rearing Monarchs that can be released at the picnic. Also, he reported Monarchs are in abundance at Rattlesnake Pike. D. Schmehl asked for some to rear for the Great Insect Fair. M. Sturniolo wants to go with R. Snetsinger when he collects Monarch caterpillars this month.

Pres Bachmann suggested the annual meeting start at 3:00 PM. P. Ford and R. Snetsinger suggested a tour of the butterfly garden could begin the event. The picnic will be at 4PM. D. Schmehl will be the cook. R. Byers will bring meat and buns. Members can bring a pot luck item. A business meeting to elect officers will follow the meal. The dedication will occur between 5:30 and 6:00PM.

P. Ford gave a report on the signs for Tudek Park. She passed around the signs that will be reviewed by Dr. Snetsinger then mounted on wood for the Park.

M. Sturniolo reported on a bee survey led by John Baker, PSU. She asked if D. Schmehl could identify the bees from pictures taken in the survey. D. Schmehl said he could get them to family. M. Sturniolo passed around a guide produced by the survey. D. Piechnik asked if more copies were available to the public. M. Sturniolo said copy-write laws prevented making more copies.

Pres. Bachmann called for New Business. She wanted to know what plans are being made for the Great Insect Fair. M. Sturniolo said she contacted Steve Jacobs, Fair Coordinator, and has two tables for the Master Gardeners reserved next to the Frost Museum table as we did last year. There was some discussion of what to display. R. Snetsinger thought we could have some books on sale including new
Minutes of FFEM Executive Committee Continued

and old books. He proposed we sell the book “The Dangerous World of Butterflies” by Peter Laufer. He also thought we could sell a pocket Naturalist guide to Pennsylvania Butterflies by James Kavanagh. After some discussion Res Bachmann tabled the idea until the annual meeting. In the meantime R. Byers will survey the Entomological Society of Pennsylvania Executive Board for their willingness to purchase the book and guides at discount prices. He will report the results by email.

D. Piechnik volunteered to wear the bee costume at the Great Insect Fair.

D. Schmehl called for nominations for Vice President and Members-at-Large. R. Byers said J. Earle has volunteered for Member-at-Large. After some discussion M. Sturniolo volunteered for Vice President if no student from Penn State is available. R. Byers said we could have more than one nomination for Vice President and hold an election at the annual meeting if necessary. D. Piechnik volunteered to be nominated for Member-at-Large. R. Byers surveyed the Members-at-Large who were present and all agreed to continue next year.

D. Schmehl asked about the progress of a new logo for the society. P. Ford said she would discuss it at the Annual meeting. D. Schmehl hoped we could have a new one before the next Executive Committee meeting.

This concluded the New Business.

D. Schmehl moved to adjourn. M. Sturniolo seconded.

Meeting adjourned at 12:35 PM.

Respectfully submitted,
R. A. Byers, Secretary-Treasurer.

Minutes of the Eighth Annual Business Meeting
Tudek Park, State College, PA

President Amanda Bachmann called the meeting to order at 5:05 PM. Those present were as follows: Beth and Don Brobst, Doug and Pam Ford, K. C. Kim, Denise Piechnik, Scott Bixley, Dan Schmehl, Wendy and Bob Snetsinger, Glen Sokol, Molly Sturniolo, Wanyi Zhu, Amber Gray and Bob Byers, Sr. Pres. Bachmann called for the Secretary’s report. R. Byers passed out copies of the minutes of the Seventh Annual Business Meeting of the Friends of the Frost Entomological Museum (FFEM) held at Millbrook Marsh, State College, PA on Aug. 24, 2008. M. Sturniolo moved to accept the minutes as presented. D. Schmehl seconded. Motion passed.

Pres. Bachmann called for a treasurer’s report. R. Byers presented a financial statement for the fiscal year 2008. Balance from 2007 was $12,898.55. Income for the year to date was $351.96 from interest, $1,176.17 from member dues, and $345 from donations. Expenses were $2,342.06 which included food, fees, book cases, Bug Camp Scholarships and costs for publishing the Newsletter. Yearly balance was -$468.93. Net assets were $12,479.72. D. Schmehl moved to accept the treasurer’s report. D. Piechnik seconded. Motion passed.

Pres. Bachmann called for Old Business. There being none she called for New Business. K. C. Kim reported that plans are being made to hire someone to finish the creation of an Odonata data base from the Beatty collection.

Pres. Bachmann called nominations of officers for 2009-2010. After some discussion, R. Byers read the list of nominees as follows:

President: Dan Schmehl
Vice Pres: Wanyi Zhu
Past Pres: Amanda Bachmann
Sec-Treasurer: Robert Byers
Members-at-Large: Beth Brobst, Don Brobst, Jane Earle, Pam Ford, Amber Gray, Denise Piechnik, Bob Snetsinger and Molly Sturniolo.

R. Byers moved to cast a unanimous vote for all candidates. M. Sturniolo seconded. Motion passed.

Past President A. Bachmann turned over the meeting to Pres. D. Schmehl. M. Sturniolo asked if she could bring Master Gardener students to the Frost Museum for a tour. Since the tour would be in the evening she wondered if someone would be able to unlock doors and conduct the tour. Pres Schmehl said he would arrange it with K. C. Kim to have the museum opened.

P. Ford introduced Master Gardeners Lee Parmelee, site coordinator, and Martha Moss, Production Manager and Graphic designer to the group.

M. Sturniolo reported that a Hagen Daas grant has allowed a program called Citizen Scientists to survey bees pollinating eight identified plants in 48 pollinator gardens across the state. Pres. D. Schmehl is helping to identify the bees.

R. Snetsinger said that the Tudek Park Butterfly Garden has become a stopover site for migrating Monarch butterflies. He first noticed these phenomena on 9/11/2001, the date of the terror attacks. It has happened every year since except for 2008. P. Ford says Tudek Park now has an official sign telling of the stopover. B. Brobst said Sugar Valley near Loganton, PA also is a stopover.

Pres Schmehl called for a report on the new logo from P. Ford. She passed around proofs of the new logo. R. Byers moved to accept the new logo design. D. Piechnik seconded. Pres Schmehl asked if the logo could be completed in time to use it on T-shirts to sell at the Great Insect Fair. She will email the final version to the board before the next Executive Committee meeting.

Amber Gray announced she is planning to apply for a grant from the Museums for America. She will report progress at future meetings. The deadline for the grant is in November. Meeting adjourned at 6:00 PM.

Respectfully submitted,
R. A. Byers, Secretary-Treasurer.
MEMBERSHIP APPLICATION
Please enroll me as a member of the
Friends of the Frost Entomological Museum

Name _______________________
Address _______________________

Phone ___________________(home)
______________________(work)
______________________(FAX)
______________________(e-mail)

Membership Category

Yearly
Student (Ladybug) $10.00
Individual (Firefly) $20.00
Family (Honeybees) $25.00

Sponsorship Category

Lifetime (over five years)
Silver Skippers $500
Golden Scarabs $1000
Monarchs (Corporate) ($ variable)

Please send completed application and check payable to: Friends of the Frost Entomological Museum
c/o Dept. Entomology, 501 ASI Bldg., Penn State Univ., Univ. Park, PA 16802

Upcoming Events

Great Insect Fair  Ag Arena Penn State,  Oct. 3, 2009

Entomological Society of Pennsylvania
Juniata College Field Station, Raystown Lake, Huntingdon, PA