



Summer Newsletter, Volume 2, Issue 1

Educating Young People About Responsible Pest Management

Approximately 100 educational resources and materials have been identified for possible inclusion into the *Educating Young People About Responsible Pest Management for a Sustainable Environment* program. Educational materials identified are assessed for quality and validity based on criteria that include science topics addressed, educational standards, core subject area support (i.e. biology, math), and curriculum format (i.e. grade level, learning environment). The assessment process has established a foundation to base our efforts in the areas of web site development and of supplementary educational resources during the next two years. Most recently, the Foundation and the University of California-Davis, engaged a web development team to begin to develop and implement the program's web site. This site will provide educators and students access to educational and community youth action resources through links to K-12 curricula, lesson plans, interactive web sites, and other educational resources, which will: 1) provide resources to teach the importance of responsible pest management through formal and informal-based learning experiences, 2) instill in students a life-long appreciation for the biological and ecological diversity of insects, 3) and increase awareness of careers in the field of entomology and related environmental and agricultural sciences.

In This Issue

Page 1

*Educating Young People
Grant Awarded
Focus on Pollinators*

Page 2

*Note from the Chairman
Pioneer Hi-Bred
International Fellowship*

Page 3

*Teacher Peeks Students
Curiosity
Free Pollinator Poster
Where did you collect
that insect?*

Page 4

Funding Partners

Grant Awarded to Target 2,000 Students in 2005

The Minneapolis Park and Recreation Board received a mini-grant in January from the Entomological Foundation to develop and implement *Insects in the Park*. The program will expose more than 2,000 children, between the ages of 4 and 12, to the world of insects through experiential learning activities. The objective of the program is to promote an appreciation for and an understanding of insects while teaching the important roles that insects play in the functioning of ecosystems. *Insects in the Park* will be taught by 15 "naturalists" at 49 neighborhood parks and recreation centers in Minneapolis, Minnesota, during the summer of 2005. It will be offered each year from June through mid-August. For more information, see <http://www.minneapolisparke.org/home.org>

Focus on Pollinators

The Entomological Foundation is working in collaboration with participants of the North American Pollinator Protection Campaign to increase awareness and appreciation among young people and adults of the importance of pollinators to the world's food supply. The Foundation, in partnership with the Ecological Society of America, Canada Centre for Inland Waters-Environment Canada, Defenders of Wildlife, National Gardening Association, and others is developing and distributing "fun" fact sheets and "family fun" activity sheets on pollinators. If you would like copies of the fact sheets to share with educators, students, parents, and others, contact the Entomological Foundation, April Gower, (301) 459-9083 or April@entfdn.org



NOTE FROM THE CHAIRMAN

Dear Partners:

On behalf of the staff and Board of Directors at the Entomological Foundation, I want to thank you for your support. Your support goes directly to help our core programs including curricula development, community outreach efforts, educational mini-grants, and our awards programs. And, we've been able to do this because of people like you who understand the importance of insect science for achieving a healthy environment. I've enclosed a prepaid postcard for your convenience to let us know if you would like to continue to receive this newsletter either by electronic mail or U.S. mail. If you would like further information about the programs you will read about in this newsletter, please see our web site at www.entfdn.org or contact April Gower at the Entomological Foundation, 301-459-9083 or april@entfdn.org.

Sincerely,

Dr. Paul W. Borth

DONOR HIGHLIGHTS

Pioneer Hi-Bred International Graduate Student Fellowship Program



The Entomological Foundation announces the inauguration of the Pioneer Hi-Bred International Graduate Student Fellowship Program. The Program's goal is to encourage an appreciation of the need for -- and the importance of -- the development and delivery of science-based solutions that make a difference in people's lives. The fellowship features a \$12,500 stipend per year until completion of the graduate degree up to four-years. One fellowship will be awarded during the fall of 2005 for the 2005-2006 academic year. Funded by Pioneer Hi-Bred International, Inc., the Fellowship Program seeks to recognize outstanding leadership skills in students who are pursuing a career in research and management of insects impacting production of commodity crops. The stipend is designed to help ease the financial burdens associated with higher education, permitting the winner to dedicate more time to pursuing their academic goals. Pioneer Hi-Bred International, Inc., a subsidiary of DuPont, provides access to advanced plant genetics, crop protection solutions and quality crop systems to customers in nearly 70 countries. Founded in 1802, DuPont creates sustainable solutions essential to a better, safer, healthier life for people everywhere. DuPont offers a wide range of innovative products and services for markets including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation and apparel. For more information, see http://www.entfdn.org/awards_education.php



RECIPIENT HIGHLIGHTS

Teacher Peeks Students Curiosity About Insects

A third grade teacher at Woodmore Elementary School in Maryland writes:

I wanted to thank the Entomological Foundation for the educational materials on insects. The day the educational resources arrived I was not able to implement the materials into our curriculum at that time. However, as soon as I pulled the insect display out of the box, my students' interest was peaked. As a result, they asked that we immediately go on the Internet to learn more about the insects in the display. I am now using the materials you provided in a unit on animal and insect habitats. The students have been looking forward to learning more about insects and are enjoying learning about science through insects. Every morning, each student looks at the display as they walk into the classroom. The Insect Appreciation Digest, you also sent, is full of interesting information. I have found several activities that are enhancing the children's learning experience. Thank you again for the materials. The students especially like the insect stickers you provided with the educational materials.

EDUCATIONAL RESOURCES

Pollinators



Do you know an educator? They can get a copy of *The Great Pollinator Partnership* full-color poster for their classroom or education program. In partnership with the U.S. Botanic Garden and the National Gardening Association, the Coevolution Institute/North American Pollinator Protection Campaign, are making this poster (see above), along with accompanying lesson ideas, free to educators and others working to educate young people about the importance of pollinators to our environment. To learn how to obtain this colorful poster and lesson ideas, contact info@coevolution.org

EXPERIENCES FROM THE FIELD OF TEACHING

Where Did You Collect That Insect?

Written by Dr. F. Tom Turpin

Collections have been a traditional way of introducing grade school children to the concepts of diversity and classification. Leaves and insects are commonly used for this purpose. However, making such collections has frequently been an onerous task for the students who participate. A local school in our area for years had required a 100 specimen insect collection as part of 4th grade science curriculum. I successfully convinced the school science coordinator that a shoebox collection with only a dozen insects would accomplish the same goal with less student and parent anguish about the requirement. The school changed the requirement and in support I went to the school each fall and presented a program for the 4th grade students. One year in observing the shoebox insects I noticed that one young lady had included a periodical cicada in her collection. There had been no emergence of periodical cicadas in the area that year so I assumed that the insect had been collected in some locality that the family had visited. So during the presentation I complimented the student on her collection. I especially noted the presence of a periodical cicada and asked the young lady where she had collected the wonderful insect. I expected to hear some heartwarming tale about a visit to the eastern seaboard or other location. The answer surprised me. She said "In a garage sale."

THANK YOU TO ALL OUR FUNDING PARTNERS (JANUARY 1-JUNE 10, 2005)

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Stephen Suddeth
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LATE BREAKING NEWS Of the more than 50,000 nonprofit organizations that participate in the Combined Federal Campaign (CFC), only about 1,500 charity members of Independent Charities of America (ICA) and Local Independent Charities of America (LICA) have the opportunity to display the "Best In America" seal of approval. The Entomological Foundation was chosen today as one of these charities. The "Best In America" seal was inspired by the recent review of "watchdog" groups by the National Council of Nonprofit Associations. The Council included the CFC standards in its review. Those standards match or often exceed the standards of other groups. ICA and LICA are acknowledged as the most rigorous in the application of those standards to member eligibility review, in conjunction with their own additional tests. The Entomological Foundation documented that it meets those standards and tests.



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