



## *The glowworm*



March 20, 2006

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This is the first *Gloworm* where Dr. Mike is not at the helm. This said, I wanted to introduce myself. Some of you may remember me from camp: I stepped into a fire ant mound during the July camp (2004), and trapped deer flies on blue buckets in Mathiston last year. John, Mike and I have done youth education projects since I joined MS State in 2003. Dr. John and Dr. Mike are pros at youth education and 4-H entomology. I am fortunate to have them as mentors.

Why am I interested in youth education in entomology? I see entomology as a great opportunity to share what I love to do with children. Dr. John and I recently discussed the 'nature deficit' among children. A nice review of this research can be found at (<http://www.oriononline.org/pages/om/05-4om/Louv.html>). The theme is that children with a connection to nature are less susceptible to problems such as ADHD. The rise in ADHD seems to coincide with the cultivation of cul-de-sacs and not crops on family farmlands. Most children, even in agricultural states such as Mississippi, have only marginal contact with nature. This is where Entomology and youth education are useful. Dr. John says, "Insects are our most frequent encounter with wildlife". Entomology impacts every aspect of life and it is a great tool for introducing children to nature. I look forward to working with everyone at camp this year.

David Held

The Gloworm may have some different features now and again. One that Dr. John and I are excited about is a book review section. If you read a good book on entomology or find a new field guide you would like to make know to others please write a short review, send it (david.held@msstate.edu or jguyton@ext.msstate.edu), and we will publish it in the Gloworm. This week Dr. John reviews, "To Know a Fly". The author was a pioneer in insect-neurology. His work is also the basis for many science fair projects that investigate the feeding response of fruit flies to solutions of salt and sugar.

**Book Review:** To Know a Fly by Vincent Dethier (recommended reading for science fair competitors!)

Vincent G. Dethier's To Know a Fly is a classic in entomological circles and should be with science fair competitors. Dethier was obviously an outstanding researcher, teacher and writer. In this easy read he proposes the fly as an excellent subject for study and proceeds to describe a series of experiments to discover how a fly works. He also shows the humorous side of scientists and their work that so often is confined to the lab. Science is fun and Dethier provides ample examples from his lab and research. A must read for budding scientists, backyard biologist and others who need to refresher on the life and times of scientists. There is a PDF version on the internet at

<http://www.vidyaonline.net/bookshelf/scienced.asp?ID=70>

David Held, PhD  
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**ATTENTION: YOUNG PEOPLE –  
TEACHERS – PARENTS ALL WHO ARE INTERESTED IN ENTOMOLOGY!!!!**  
THE MISSISSIPPI STATE ENTOMOLOGY DEPARTMENT PRESENTS:  
**Entomology Camp #1 on June 18-22 – Wall Doxey State Park, Holly Springs**  
**Entomology Camp #2 – July 16-20 –King’s Arrow Ranch, Lumberton**

This camp is for **adults and youth** (over age 10) who want to learn about insects from experts. The camp will be taught by professors from the Entomology Department at Mississippi State, and will be educational and fun!!!!

- \_ Learn how to collect, identify, and preserve insects!
- \_ Learn about unique critters you've never seen, yet they live all around you!
- \_ Make an insect collection with help from the experts!

**Adults are encouraged to enroll for the camp!!! Out of state campers are also welcome!!!!**  
**Enrollment is limited and will be on a first come basis.**

Mail individual applications along with **\$60.00 deposit** to reserve your place to:

**Entomology Camp**  
**MSU Entomology Department**  
**Box 9775**  
**Mississippi State, MS 39762**

**5 day Entomology Camp costs: \$160.00**

Charges include room/board, t-shirt and miscellaneous supplies - deposit is not refundable after May 1, 2006 for camp #1 and June 15, 2006 for camp #2, deposit is applied to camp costs.

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I will be attending CAMP Session # \_\_\_\_\_. Indicate 1 or 2, please!

Indicate t-shirt size: Small \_\_\_\_\_ Medium \_\_\_\_\_ Large \_\_\_\_\_ XL \_\_\_\_\_ Other \_\_\_\_\_  
All shirt sizes are measured in adult sizes, the vendor does not handle children’s sizes

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ County: \_\_\_\_\_ Age: \_\_\_\_\_ Gender: \_\_\_\_\_

Telephone \_\_\_\_\_ email \_\_\_\_\_

email address is very helpful in quick communication

**4-H rules and guidelines apply.**

Please submit a **separate copy of this form for each camper** - be sure to indicate the session the camper will be attending.

**Certification of health is required - so camp physicals are in order**

## **2006 4-H Entomology Calendar**

### **April – May County contests**

**Insect collections  
Visual Presentations  
Judging and Id  
Linnaean Games**

### **30 May – 1 June – 4-H Congress**

**Insect collections  
Visual Presentations  
Judging and Id  
Linnaean Games**

### **13 – 16 June Project Achievement Days**

**Insect collections  
Visual Presentations  
Judging and Id  
Linnaean Games**

### **18-22 June Entomology Camp**

**Wall Doxey State Park**

### **15 July Linnaean Superbowl**

**Jackson Horse Show**

### **16 – 20 July Entomology Camp**

**Mississippi Christian Services Camp, Newton, MS**

## **Addendum:**

**We are pleased to announce that Dr. Mike started March 20 in his new part-time role in the Entomology and Plant Pathology Department at Mississippi State.**