



# Kentucky Academy of Science NEWSLETTER

<http://www.kyscience.org>

August 2006

## Industrial Affiliates

Associate Patron - \$2,000 level  
Touchstone Energy

Sustaining Member - \$500 level  
Third Rock Consultants

Associate Member - \$100 level  
Hoffman Environmental  
Research Institute  
Wood Hudson Cancer  
Research Laboratory

## Institutional Affiliates

Fellow - \$1,000 level  
Kentucky Biomedical  
Research Infrastructure  
Network  
Morehead State University  
University of Kentucky  
University of Louisville  
Western Kentucky University

Sustaining Member - \$500 level  
Berea College  
Bellarmine University  
Campbellsville University  
Eastern Kentucky University  
Kentucky State University  
Murray State University  
Northern Kentucky University

Member - \$250 level  
Asbury College  
Centre College  
Kentucky Wesleyan College  
Madisonville Community  
College  
Spalding University  
Thomas More College  
University of the  
Cumberlands  
West Kentucky Community  
& Technical College

Associate Member - \$100 level  
Pikeville College  
Transylvania University

## KENTUCKY ACADEMY OF SCIENCE 92nd Annual Meeting

Morehead State University  
Morehead, Kentucky  
November 9 - 11, 2006

The 92nd Annual Meeting of the Kentucky Academy of Science will be hosted by Morehead State University. To get to the MSU campus, exit I-64 at exit 137 and follow the KAS signs.

The motels listed below have blocked in a number of rooms at the rate listed. This rate is good until **October 15, 2006** so make your reservations early. When making your reservations be sure to identify yourself as a member of the Kentucky Academy of Science.

Something new this year will be the ability to preregister electronically on the KAS website at [www.kyscience.org](http://www.kyscience.org). and also to pay by PayPal. On-site registration, however, must still be paid by cash or check. You may also preregister by mail. We would encourage everyone to preregister for the meeting particularly if you are planning on going to the Awards Banquet since these tickets may be limited. Dead line for pre-registration is October 20. In addition to preregistration on-line you may also submit a paper or poster for presentation electronically by going to the website. The DEADLINE for submitting a paper or poster is OCTOBER 6 after which submission will not be possible. Guidelines for the on-line preregistration and the submission of a paper for presentation are given elsewhere in this Newsletter.

Another change in the meeting this year will be the presentation of the posters. The posters will be divided into two groups according to sections. One group will set up on Friday morning and the other group will set up at noon for Friday afternoon. The URCs in both groups will be judged according to their section as in previous years. Additional information is available in this Newsletter.

The program will not be sent out prior to the meeting, but will be provided to those attending the meeting and also will be on the KAS website at [www.kyscience.org](http://www.kyscience.org).

### Motels at Exit 137

Days Inn (606)783-1484 - \$49.99 single - quad; deluxe continental breakfast  
Holiday Inn Express (606)784-5796 - \$65.99 single - quad; deluxe continental breakfast  
Knights Inn (606)784-7591 - \$45.00 single - quad; continental breakfast  
Quality Inn (606)784-2220 - \$39.99 single - quad; deluxe continental breakfast  
Super 8 (606)784-8882 - \$44.99 single - quad; continental breakfast

### Additional Motel at Exit 133

Comfort Inn and Suites (606)780-7378 - \$55.00 single - quad; deluxe continental breakfast

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## Attention Annual Meeting PowerPoint Presenters

Each session room will have a computer and Proxima type projector. Each computer will have Office 2003 which is compatible with Office 97, Office 2000 and Office 2002 versions of PowerPoint. Presenters should prepare their presentations with one of these versions and save it to a CD or flash drive (not a floppy or zip). Presenters should arrive at least 15 minutes before the beginning of the session to transfer their file to the computer's desktop. This will ensure that each speaker will have the full time allotted for their presentation.

## Botany & Microbiology Sections Separate

In response to feedback from the former Botany and Microbiology Section members, the KAS board has approved the recommendation to split the Botany and Microbiology Section into two independent sections: The Botany Section and the Microbiology Section. Rick Boyce and David Taylor will remain the Botany Sectional Officers and Geoff Gearner and Marcia Pierce will be the new Microbiology Sectional Officers.

If you have not already done so, please notify Jeanne Harris (executivedirector@kyscience.org or 859-227-2837) of your new section preference of Botany Section or Microbiology Section so that you will receive the all appropriate section information.

## **Members in the News**

KAS 2005-2006 President Bruce Mattingly was recently named Associate Provost for Research and Sponsored Programs at Morehead State University.

Bruce's e-mail and phone will stay the same but his office address has changed to 901 Ginger Hall and his FAX number has also changed to 606-783-2130.

# 92nd Annual Meeting KENTUCKY ACADEMY OF SCIENCE (Tentative Program)

### THURSDAY, NOVEMBER 9, 2006

2:00 p.m. - 5:00 p.m.	KAS Governing Board Meeting
5:30 p.m. - 7:00 p.m.	Registration
6:30 p.m. - 8:30 p.m.	SYMPOSIUM - Evolutionary Theory, Dinosaurs and Birds Moderator: Dr. Robert Martin - Murray State Univ. "One Long (Continuing) Argument: Some Modern Developments in Evolutionary Biology." Dr. Robert Martin, Murray State University Are Birds Descended from Dinosaurs? Two Perspectives "The Closest Relative of Birds." Dr. Luis Chiappe, Director of the Dinosaur Institute and Curator of the Dept. of Vertebrate Paleontology of the Natural History Museum of Los Angeles County "Gliding Dinosaur, Hidden Bird." Dr. Larry Martin, Senior Curator of Paleontology, and Professor of Ecology and Evolutionary Biology, University of Kansas
8:30 p.m. - 9:00 p.m.	KAS Sectional Officers Meeting
8:30 p.m. - 10:30 p.m.	Reception

### FRIDAY, NOVEMBER 10, 2006

7:30 a.m. - 8:30 a.m.	KAS Past President's Breakfast
7:30 a.m. - 5:00 p.m.	Registration
8:00 a.m. - 5:00 p.m.	Vendor's Exhibits
8:00 a.m. - 11:30 a.m.	Paper Sessions
8:00 a.m. - 11:30 a.m.	Scientific Posters: Agriculture -Computer & Infor. Sci.
10:00 a.m. - 11:30 a.m.	Kentucky Community Colleges Faculty Meeting
11:30 a.m. - 12:45 p.m.	Lunch (on your own)
1:00 p.m. - 3:45 p.m.	Paper Sessions
1:00 p.m. - 5:00 p.m.	Scientific Posters: Ecology & Envir. Science - Zoology
4:00 p.m. - 5:00 p.m.	PLENARY SESSION "Nanotechnology." Dr. Robert W. Cohn, University of Louisville
6:00 p.m. - 7:00 p.m.	Presidential Reception
7:00 p.m. - 9:00 p.m.	ANNUAL AWARDS BANQUET "Valium Revisited: CNS Targets for the Treatment of Anxiety Disorders." Dr. James K. Rowlett, New England Regional Primate Center and Harvard University (Co-sponsored by KBRIN and MSU)

### SATURDAY, NOVEMBER 11, 2006

7:30 a.m. - 11:00 a.m.	Registration
8:00 a.m. - 11:00 a.m.	Vendor's Exhibits
8:00 a.m. - 10:00 a.m.	Display of the Winners of the Scientific Posters
8:00 a.m. - 9:00 a.m.	KAS ANNUAL BUSINESS MEETING
9:15 a.m. - 11:30 a.m.	Paper Sessions
9:15 a.m. - 11:15 a.m.	Evolutionary Workshop* How Do We Explain the Diversity of Life on Earth? Dr. Robert Martin, Murray State Univ. and Dr. Guillermo Rougier, University of Louisville.
9:15 a.m. - 10:15 a.m.	Electronic Grant Submission Workshop: Preparing and Submitting Federal Proposals via Grants.gov. Beverly Martin Daly.

\* This workshop is free and open to the public. To attend please RSVP to KAS by email at [executivedirector@kyscience.org](mailto:executivedirector@kyscience.org) or call 859-227-2837.

## Guidelines for Online Pre-Registration for the 2006 Annual Meeting

The KAS website is up and running and you now have the option of pre registering for the 2006 KAS Annual meeting online. If you choose to pre register online follow these instructions:

- Visit KAS website: [www.kyscience.org](http://www.kyscience.org)
- On the "Meeting" page, you will see Meeting Pre-Registration.
- If you choose to register online click on: Pre-Register Online: Member or Non-Member

Remember, the KAS member registration fee is \$25 versus \$50 for non-members, so KAS Members will want to log in and pre-register as a member. To pre-register as a member, log in and complete your pre-registration information. Remember to click accept and the next page tallies your pre-registration fee. You will receive the following e-mail notification when you pre-register.

We have received your registration request for the KAS Annual Meeting. Once payment is processed, you will receive a final notification.

Attending Banquet: yes  
Tickets: 1  
Competition: None  
Thursday evening social: yes

-----  
Total: \$50.00

**Please use this email information if you are requesting payment from your institution and need documentation.** If your institution will be sending one check for multiple attendees, please have your institution **send the payment and names of attendees** to

Executive Director, KAS  
PO Box 22579  
Lexington, KY 40522-2579.

Once KAS receives payment either via Pay Pal or via check you will receive a final notification and this is your registration receipt. If you have questions regarding the registration process please contact Jeanne Harris at 859-227-2837.

**Please note:** If you become a new KAS member online you will be emailed a confirmation/activation code message. Please activate your account as soon as you receive this email message; there is a link to do so. You will not be able to get into your account or pre-register as a member until it is activated. This is only for new KAS members.

**Pre-registration deadline is October 20**, so please register early to take advantage of the reduced pre-registration meeting fee rate!

## Guidelines for Online Submission of an Abstract for Presentation at the Annual Meeting

The DEADLINE for submitting an abstract for presentation is OCTOBER 6. Forms will not be available after this date. You MUST PRE-REGISTER prior to submitting an abstract. To submit an abstract go to the KAS website at [www.kyscience.org](http://www.kyscience.org).

On the left side of the page click on MEETINGS then select SUBMIT AN ABSTRACT. This page will provide you with the opportunity to log on as a member or non-member and to submit an abstract provided that you have pre-registered. If you have not pre-registered, this page will provide you with the link to the site for pre-registration after which you will return to this page and log on using the e-mail address you used for pre-registration to submit an abstract.

Once you have logged on you will be linked to the form for the submission of your abstract. This form is basically the same as used in the past. There is one major difference this year that involves the poster presentations. This difference will be explained in more detail elsewhere in this Newsletter. You will receive a notice via e-mail that your abstract has been received. When the program is complete you will receive a message giving you the date, time and location of your presentation.

I would urge you to submit on-line. However, if you are unable to do so then you may use the Abstract Submission Form included in this Newsletter. For more information on abstract submission visit [www.kyscience.org](http://www.kyscience.org).

## New Poster Presentation Guidelines

Due to the increasing number of posters being presented (118 last year) it is becoming difficult to provide adequate space to display them. In order to alleviate the problem, the Board has elected to divide the poster presentation into a morning and afternoon sessions according to sections.

The Friday A.M. session will include the Agricultural Science through the Computer and Information Science sections. These posters will be set up between 7:30 - 8:00 A.M. The URC posters will be judged at 9:00 A.M.; the presenters must be present in order to have their posters judged. It is very important that the A.M. posters be removed between 11:30-12:00 noon in order to allow the P.M. session to set up.

The Friday P.M. session will include the Ecology and Environmental Science through the Zoology sections. These posters will be set up between 12:00 - 1:00 p.m. The URC posters will be judged starting at 2:00 P.M. with the presenters present. The posters for the P.M. session can be removed at 5:00 P.M..

The winners of the URC poster competition will display their posters on Saturday morning starting at 8:00 A.M.

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## New Superlative Award Nominations Deadline

*The Kentucky Academy of Science seeks nominations of individuals who have made outstanding contributions to scientific research and education in the Commonwealth in the five areas designated below. **September 30, 2006** is the new deadline for nominations. All nominations and supporting materials should be sent in electronic format; e-mail attachments must be in MS Word format. Send to:*

Dr. John Mateja  
c/o Jody Cofer  
Murray State University  
Murray, KY 42071  
(270) 809-3192  
jody.cofer@murraystate.edu

Categories for nominations include:

- Outstanding Academy Service
- Distinguished College/University Scientist
- Outstanding College/University Teacher
- Outstanding Secondary School Science Teacher
- Distinguished Professional Scientist (in a non-academic position)

For more information on the qualifications and nominating packet requirements for each award category, visit the KAS website at [www.kyscience.org](http://www.kyscience.org) or contact Dr. John Mateja.

## Call for Submissions to the KAS Journal

Editor David White would like to see all the KAS sections represented in the Journal. Guidelines for contributors to the Journal are available on the *KAS Publications* link at [www.kyscience.org](http://www.kyscience.org). A new feature of the Journal will be the inclusion of Letters to the Editor.

### Guidelines for Letters to the Editor

The Kentucky Academy of Science will accept "Letters to the Editor" for inclusion in the Journal. Letters are intended to be points of view that provide an avenue for scientific debate.

- Letters must be fewer than 400 total words
- Letters must include the writers name, mailing address, and e-mail address
- Letters must be scientifically accurate
- Letters may be edited for punctuation and spelling
- Letters should cover timely topics but remember that the Journal is published twice per year (normally April and November)
- Publication of any letter is solely at the discretion of the Editor and Editorial Board

Letters may be sent via hard copy or by e-mail to:

**Dr. David White**  
Hancock Biological Station  
561 Emma Drive  
Murray State University  
Murray, Ky 42071  
Phone: (270) 474-2272  
Fax: (270) 474-0120  
[David.White@murraystate.edu](mailto:David.White@murraystate.edu)

## Deadline for Nominations to KAS Governing Board Extended

The Kentucky Academy of Science Nominations and Elections Committee is seeking assistance from the KAS membership in our effort to identify a ballot of quality candidates to assume leadership roles within the Academy for next year. KAS members interested in nominating colleagues for these vacant positions, or individuals willing to volunteer to be placed on the ballot, should forward the name, e-mail address/phone number for each candidate, and indicate the leadership position of interest. Then Nominations and Elections Committee will contact each candidate to request the necessary information to be included on the ballot. This is an extremely important responsibility for the members of KAS and the committee needs your assistance in identifying candidates for these vacancies. The membership is being contacted at this time for nominations for the following offices:

### Vice President Physical Sciences Representative Social & Behavioral Sciences Representative

Any member may nominate another member for Vice President. However, for Physical Sciences Representative and Social & Behavioral Sciences Representative, the nominator must identify with that Division. Please send nominations by **September 30, 2006** to:

David R. Olson, Ph. D.  
Dept. of Psychology  
150 University Boulevard, Box 687  
Morehead State University  
Morehead, KY 40351  
[d.olson@morehead-st.edu](mailto:d.olson@morehead-st.edu)

**ABSTRACT SUBMISSION FORM**  
**KENTUCKY ACADEMY OF SCIENCE**  
**92nd ANNUAL MEETING**

Hosted by Morehead State University  
 Morehead, Kentucky  
 November 9-11, 2006

Title of Paper (Please type or print) \_\_\_\_\_  
 \_\_\_\_\_

**(An abstract must be submitted with this form. See [www.kyscience.org](http://www.kyscience.org) for abstract preparation guidelines.)**

Author(s) (check presenter) (one author must be a KAS member)	KAS		Institutional Affiliation	Position (circle)			
	Member			High School	Undergrad	Graduate	Professional
_____	Yes	No	_____	H	U	G	P
_____	Yes	No	_____	H	U	G	P
_____	Yes	No	_____	H	U	G	P
_____	Yes	No	_____	H	U	G	P

\*Sponsor \_\_\_\_\_

\*All undergraduate or high school students who are not members of KAS must be sponsored by a member of the Academy. There is not a limit on the number of student papers a member may sponsor.

\_\_\_\_\_ Check if entering the Undergraduate Research Competition. The URC presentations will be given **ONLY** on Friday.

\_\_\_\_\_ Check if entering the Graduate Research Competition. (Oral Presentations only)

**Check Section in Which Paper will be Presented**

- |                                       |                                   |
|---------------------------------------|-----------------------------------|
| _____ Agricultural Sciences           | _____ Geology                     |
| _____ Anthropology and Sociology      | _____ Health Sciences             |
| _____ Botany                          | _____ Mathematics                 |
| _____ Cellular and Molecular Biology  | _____ Microbiology                |
| _____ Chemistry                       | _____ Physics and Astronomy       |
| _____ Computer & Information Science  | _____ Physiology and Biochemistry |
| _____ Ecology & Environmental Science | _____ Psychology                  |
| _____ Engineering                     | _____ Science Education           |
| _____ Geography                       | _____ Zoology                     |

**Type of Presentation (Check one)**

- \_\_\_\_\_ Oral Presentation (15 min. max.) - each room will have a slide projector.  
 \_\_\_\_\_ Oral Presentation using Power Point (15 min. max.) - load presentation prior to beginning of session  
 \_\_\_\_\_ Poster Presentation - a 4' x 6' poster board with easel will be provided.

**Session Time Preference for Oral Presentation** ( 1 = first preference; program requirements may restrict honoring preferences)

\_\_\_\_\_ Friday a.m. \_\_\_\_\_ Friday p.m. \_\_\_\_\_ Saturday a.m.

**Name and Mailing Address of Contact Person** (undergraduate student use mentor as contact person)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Phone \_\_\_\_\_  
 Fax \_\_\_\_\_  
 E-mail \_\_\_\_\_

Return this form and a single spaced abstract by **October 6, 2006** to: Robert Creek, KAS Program Coordinator, Department of Biology, Eastern Kentucky University, Richmond, KY 40475. Phone (859)623-6646; Fax (859)622-1399; e-mail: rcreek@chpl.net.

**PLEASE NOTE: In order to present you MUST also register to attend the annual meeting.**

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## GUIDELINES FOR PREPARATION OF ABSTRACTS FOR PAPER AND POSTER PRESENTATIONS

1. Text of abstracts must be 250 words or less.
2. Abstracts must be on white, good quality paper (8.5 x 11 in.). They must be **single** spaced throughout and have a margin of 1 inch all around.
3. Use a type size of 12 points (10cpi) and the same font throughout: do not use bold. Italics should be used only for the scientific names of the organisms and other expressions that conventionally appear in italic type.
4. Do not justify the right-hand margin.
5. The address should contain the capitalized name(s) of the author(s), department, university or company, name of the city, name of the state (use two-letter abbreviation, e.g. KY, IN, OH.) and the zip code.
6. In multi-authored abstracts, the name of the presenter of the paper will be indicated by an asterisk.
7. Use standard, well-known abbreviation when the use of abbreviations is necessary.
8. When using abbreviations for chemical compounds, spell out the name in full at the first mention and follow with the abbreviation in parentheses; use the abbreviation thereafter. Do not abbreviate chemical compounds in the title of the abstracts.
9. Any special symbols not on your word processor must be carefully drawn in by hand with fine pen and black ink.
10. Scientific names of organisms should be in italics (not underlined). Spell out generic names the first time they are used; afterwards these names should be abbreviated to first letter (plus a period) when followed by a specific epithet unless confusion may result with another abbreviated generic name in the abstract.
11. In the upper right hand corner of the abstract, type in CAPITALS the name of the section in which your paper or poster is being presented.
12. The following is an example of a portion of a proper abstract.

### BOTANY AND MICROBIOLOGY

Taxonomic status of the varieties of Seneca snakeroot, *Polygala senega* (Polygalaceae). AMY E. TRAUTH\* and ROBERT F.C. NACZI, Department of Biological Sciences, Northern Kentucky University, Highland Heights, KY 41099.

Seneca snakeroot, *Polygala senega* (Polygalaceae), is an uncommon plant ranging throughout most of eastern North America. Two varieties have been described for the species: variety *senega* and variety *latifolia*. The taxonomic

13. The abstract must be sent with your Paper Submission Form to the Program Coordinator listed at the bottom of the form.

## PUBLICATION OF ABSTRACTS IN THE *JOURNAL*

If you would like to submit your abstract for publication in the *JOURNAL*, the guidelines are the same as above except you need to send a hard paper copy and a disk or e-mail version in WordPerfect or Word. Please include with your abstract a check for \$15.00 made payable to the Kentucky Academy of Science to cover publication costs (invoices will not be sent). Abstracts for publication must be received by the Abstract Editor by December 1.

Dr. Robert J. Barney  
Abstract Editor  
Community Research Service  
Kentucky State University  
Frankfort, KY 40601  
rbarney@gwmail.kysu.edu

**PRE-REGISTRATION FORM**  
**KENTUCKY ACADEMY OF SCIENCE 92nd ANNUAL MEETING**  
**HOSTED BY MOREHEAD STATE UNIVERSITY**  
**MOREHEAD, KENTUCKY**  
**NOVEMBER 9-11, 2006**

Please type or print. Duplicate as needed, but use a separate form for each person.

Name Badge to Read \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

School/Employer \_\_\_\_\_

KAS Section Affiliation \_\_\_\_\_

Telephone Number \_\_\_\_\_ e-Mail \_\_\_\_\_

(Your e-mail will be used to notify you of receipt of preregistration fees)

**PRE-REGISTRATION FEE SCHEDULE**

<b>Category</b>	<b>Pre-Registration</b>
-----------------	-------------------------

**Current 2006 Dues Paid**

Regular Member	\$25.00	_____
----------------	---------	-------

Student Member	\$ 5.00	_____
----------------	---------	-------

**Non-Members**

Professional	\$50.00	_____
--------------	---------	-------

Student	\$ 5.00	_____
---------	---------	-------

**2007 MEMBERSHIP DUES SCHEDULE**

Regular Member	\$35.00	_____
----------------	---------	-------

Family Member	\$50.00	_____
---------------	---------	-------

Student Member	\$15.00	_____
----------------	---------	-------

Life Member	\$400.00	_____
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**TOTAL FEES (Check each item)** \$ \_\_\_\_\_

**KAS AWARDS BANQUET**, Friday, November 10 \$25.00 x \_\_\_\_\_ Tickets \$ \_\_\_\_\_

URC: Yes \_\_\_\_ No \_\_\_\_ Banquet is free to students entering URC but student **must pre-register**

in order to receive a free ticket. If you are going to the banquet, indicate after tickets that you are an URC student.

**GRAND TOTAL ENCLOSED** \$ \_\_\_\_\_

Thursday Evening Social - location to be announced (no charge) Attending Yes No

**THIS FORM MUST BE POSTMARKED NO LATER THAN OCTOBER 20, 2006**

**MAIL TO: PRE-REGISTRATION**  
**KENTUCKY ACADEMY OF SCIENCE**  
**PO BOX 22579**  
**LEXINGTON, KY 40522-2579**

## Kentucky Mesonet

Researchers at Western Kentucky University have secured funding to initiate the long anticipated Kentucky Mesonet - a high-density state-of-the-art network of automated environmental monitoring stations across the Commonwealth. Numerous parties will be able to take advantage of the Mesonet's research-quality data once the network becomes operational. Lead scientists at WKU are in the process of building a consortium of interested members from all universities and colleges in Kentucky.

The Kentucky Mesonet will have the opportunity to present research at the annual meeting of the Kentucky Academy of Science which will be held on the campus of Morehead State University on November 9-11, 2006. While the presentations will officially be part of the geography section, we wish to make this an interdisciplinary session highlighting the network's versatility and utility to a range of users. We invite all researchers with ongoing and/or proposed studies who foresee the benefits of incorporating Mesonet data into their projects to submit abstracts for this session.

Abstracts can be submitted online at the KAS website at [www.kyscience.org](http://www.kyscience.org). The deadline for the submission of abstract is October 6. In order to indicate that your abstract is a Mesonet presentation, please put a dash after your title, then type Mesonet. FYI, you must pre-register for the conference before you can submit an abstract. Pre-registration can also be done online.

Interested parties may direct questions to Rezaul Mahmood ([rezaul.mahmood@wku.edu](mailto:rezaul.mahmood@wku.edu)) or Donald Yow ([don.yow@eku.edu](mailto:don.yow@eku.edu)). Feel free to share this information with colleagues and students who may also be interested.

## Funding Request Deadline

November 15, 2006 is the deadline for proposals for Marcia Athey and Botany Funds, Special Research Program, and the Undergraduate Research Program. Detailed instructions for preparing the proposal can be found on our web site. A cover sheet as well as terms and conditions of the research supported can be obtained from the Research Committee Chair:

Dr. George Antonious  
Water Quality/Environmental Toxicology  
218 Atwood Research Building  
Kentucky State University  
400 East Main Street  
Frankfort, KY 40601  
502-597-6005  
[george.antonious@kysu.edu](mailto:george.antonious@kysu.edu)

## Kentucky Science Teachers Association 2006 Conference

The KSTA 2006 Conference and Professional Development will be held November 2-4, 2006 at The Lexington Center and Hyatt Regency in Lexington, Kentucky.

**Theme:** Building An Understanding in Science: No Child Left Behind

**Strands:** Content, Inquiry, Assessment, Collaboration, Special Education, and Collaboration.

For more information visit the KSTA website at [www.ksta.org](http://www.ksta.org).

## Yes, I Want to Join the Kentucky Academy of Science

*Check appropriate boxes*

### Individual Membership

(January to December)

- \$35 Active Member
- \$15 Student member (College)
- \$10 KJAS member (K-12)
- \$50 Family member
- \$400 Life member

### Educational/Industrial Affiliate Membership

- \$5,000 Patron
- \$2,000 Associate Patron
- \$1,000 Fellow
- \$500 Sustaining Member
- \$250 Member
- \$100 Associate Member
- \$25 High School Member

### Check up to 3 sections of interest:

- Agricultural Sciences
- Anthropology & Sociology
- Botany
- Cell & Molecular Biology
- Chemistry
- Computer & Information Sciences
- Ecology & Environmental Science
- Engineering
- Geography
- Geology
- Health Sciences
- Mathematics
- Microbiology
- Physics & Astronomy
- Physiology & Biochemistry
- Psychology
- Science Education
- Zoology

Voting Section Choice \_\_\_\_\_

Payment Enclosed \$ \_\_\_\_\_

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Employer or School \_\_\_\_\_

E-mail \_\_\_\_\_

Please make checks payable and mail to:

The Kentucky Academy of Science  
PO Box 22579  
Lexington, KY 40522-2579