

## Industrial Affiliates

*Associate Patron - \$2,000 level*  
Touchstone Energy

*Associate Member - \$100 level*  
Hoffman Environmental  
Research Institute  
Third Rock Consultants  
Wood Hudson Cancer  
Research Laboratory

## Institutional Affiliates

*Fellow - \$1,000 level*  
University of Kentucky  
University of Louisville

*Sustaining Member - \$500 level*  
Campbellsville University  
Kentucky State University  
Morehead State University  
Murray State University  
Northern Kentucky  
University  
Western Kentucky  
University

*Member - \$250 level*  
Asbury College  
Berea College  
Centre College  
Cumberland College  
Eastern Kentucky University  
Kentucky Wesleyan College  
Madisonville Community  
College  
West Kentucky Community  
& Technical College

*Associate Member - \$100 level*  
Bellarmine University  
Pikeville College  
Transylvania University

## From the President....

As I noted at the Saturday morning business meeting in Murray, it has now been over 32 years since I presented my first research paper as an undergraduate student at a KAS meeting! Although I haven't changed much over the years, KAS has grown and prospered immensely. While we have continued to sponsor an outstanding meeting and journal over the years, we now have a sizable endowment (due primarily to the generosity and devotion to science of Raymond Athey) that has allowed us to provide financial support for both student and faculty research, we have expanded the meeting to include poster as well as paper competitions, and have provided funds to encourage undergraduate and graduate student research through annual research paper competitions. Thanks to Donald Frazier, we have a semi-permanent home base office at the University of Kentucky Outreach Center. Although this list of accomplishments is certainly not exhaustive and may not seem all that impressive, it must be remembered that we have always been an organization managed by volunteers with full-time academic jobs. Like many of you, I have enjoyed attending meetings for a long time and never fully appreciated the amount of time and effort that goes into planning and organizing these meetings. This year I found out! Numerous Board members along with the local arrangement committee worked a full year to put this meeting together! This year Bob Creek (as usual), Neil Weber, and Jim Meeks along with the local arrangement committee members put countless hours in to ensure a top notch meeting! I now fully appreciate the efforts of all who have helped organize and arrange these meetings for the last 90 years. Similarly, volunteer members of our grant review committee, awards committee, nominating committee, etc., spend an enormous amount of time to make these programs successful, and our academy to function effectively. Moreover, over the past ten years, Don Frazier and Margaret McConnell have played a significant role in keeping us working and on track. To all that have contributed their time and effort to the academy over the years, I sincerely say "THANKS".

This past year the Academy has crossed another threshold. For the first time in our history, we now have a one-half time Executive Director, Ms. Linda Hightower. A native Kentuckian, Linda is returning after a successful career in Florida where she worked as the Education Curator for Walt Disney World Animal Programs. Previously, she held director positions for the Earth Shuttle Corporation and The Orlando Science Center. We are extremely pleased that she has accepted this position and we believe that the energy, enthusiasm, and experience that she brings to this position will have a tremendously positive impact our organization. Fortunately, we are not losing the smiles or experience of either Don or Margaret. Don has agreed to continue as Executive Secretary Emeritus, and Margaret will continue to serve as an underpaid consultant!

Finally, let me say that I am honored to serve as the President of the Academy. Certainly, I never dreamed I would one day be President of KAS as I was anxiously awaiting my first undergraduate research paper presentation. But I think that is the essence of KAS! We have long history of providing encouragement, guidance, and mentoring for students for which we should be proud.

I look forward to working with you in continuing the work of those before us.

*Bruce Mattingly*



*2004 President Rob Kingsolver passes the gavel to incoming President Bruce Mattingly (left).*

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# Annual Meeting Report

The 90<sup>th</sup> meeting of the Kentucky Academy of Science was co-hosted by Murray State University and West Kentucky Community & Technical College at Murray, Kentucky on November 4-6, 2004. The meeting was well attended with approximately 485 people registered.

Activities started on Thursday evening with a KBRIN-INBRE sponsored symposium entitled "Genomics & Bioinformatics: Research, Resources & Programs in Kentucky." The symposium consisted of a panel discussion involving 5 distinguished scientists from various Universities throughout the Commonwealth of Kentucky. The discussion was well received with approximately 80 in attendance. The Friday afternoon plenary session, "Brain Responses as a Predictor of Emerging Dyslexia: The Basis for Eliminating Learning Disabilities in the Next Generation" was presented by Dr. Dennis L. Molfese from the University of Louisville. The Zoology section also sponsored a symposium on aquatic ecology with Dr. Larry M. Page, Florida Museum of Natural History, presenting a topic entitled "Egg-Clustering and Diversification in Darters." The Friday evening's Awards Banquet had as its speaker Dr. Jon H. Kaas, Vanderbilt University. His topic, "The Evolution of the Brain," was enjoyed by the approximately 275 in attendance. The presentation of the KAS Superlative Awards was, as usual, one of the highlights of the meeting. Following these presentations, the winners of the Undergraduate Research Competition were recognized and presented their certificates.

There were 202 papers being presented with 93 of them entering the Undergraduate Research Competition. The new Graduate Research Competition had 31 students participating. There were 97 posters with 68 of them entering the URC. The number of papers presented in each section is as follows:

Agricultural Science, 16; Anthropology & Sociology, 6; Botany & Microbiology, 17; Cellular & Molecular Biology, 11; Chemistry, 32; Computer & Information Science, 3; Ecology & Environmental Science, 12; Engineering, 6; Geography, 15; Geology, 3; Health Sciences, 7; Mathematics, 4; Physics & Astronomy, 5; Physiology & Biochemistry, 9; Psychology, 23; Science Education, 8; and Zoology, 25.

Next year's meeting will be co-hosted by Eastern Kentucky University and Berea College in Richmond, KY on November 10-12, 2005.

# 2004 Undergraduate Research Competition Winners

Congratulations to the following students who won awards. Congratulations also to their mentors and a special thanks to those who devoted their time to judge the presentations.

## Oral Presentation Winners

### *Agricultural Sciences*

- 1<sup>st</sup>: Russell Neal - Kentucky State
- 2<sup>nd</sup>: Vickie Dao - Kentucky State
- 3<sup>rd</sup>: Daddy Boateng - Kentucky State

### *Anthropology and Sociology*

- 1<sup>st</sup>: Jason Marchmon - Murray
- 2<sup>nd</sup> (tie): Adrienne Sams - Murray
- 2<sup>nd</sup> (tie): Kristin Thomas - Murray

### *Botany and Microbiology*

- 1<sup>st</sup> (tie): T. Michael Dodson - Western
- 1<sup>st</sup> (tie): Brittany Sutherland - Western

### *Cellular and Molecular Biology*

- 1<sup>st</sup>: Brandon Kellie - U. of Louisville
- 2<sup>nd</sup> (tie): Jeremy Rotty - Berea College
- 2<sup>nd</sup> (tie): David Hahn - Northern
- 3<sup>rd</sup>: Natalie Steckler - Bellarmine U.

### *Chemistry*

- 1<sup>st</sup>: Steven Isaacs - Western
- 2<sup>nd</sup>: Christopher Sperry - Murray
- 3<sup>rd</sup>: Sondra Massey - Western

### *Perkin Elmer Chemistry Award*

- 1<sup>st</sup>: Matthew Kelleher - Murray
- 2<sup>nd</sup>: Erin Cutler - Western
- 3<sup>rd</sup>: B. Davis Garabato - Western

### *Computer and Information Science*

- 1<sup>st</sup>: Samantha Hoskins - Eastern

### *Ecology and Environmental Science*

- 1<sup>st</sup>: Jolene Gerber - Asbury College
- 2<sup>nd</sup>: Jonathan Fleming - Berea College

### *Engineering*

- 1<sup>st</sup>: James Humes - Murray
- 2<sup>nd</sup> (tie): Ryan Rogers - Murray
- 2<sup>nd</sup> (tie): Matthew Yandell - Murray
- 2<sup>nd</sup> (tie): Janelle Walker - Murray
- 2<sup>nd</sup> (tie): John Tucker - Murray

### *Geography*

- 1<sup>st</sup>: Jessica Phillips - Western
- 2<sup>nd</sup> (tie): Daniel Thomas - Western
- 2<sup>nd</sup> (tie): Ronson Elrod - Western

### *Geology*

- 1<sup>st</sup>: Jeremy Tallent - Western
- 2<sup>nd</sup>: Matthew Phillips - Murray

### *Health Sciences*

- 1<sup>st</sup>: Adesuwa Becky Osunde - Kentucky State
- 2<sup>nd</sup>: Blakney Gray - Kentucky State

### *Mathematics*

- 1<sup>st</sup>: Maria Joseph - Kentucky State

### *Physics and Astronomy*

- 1<sup>st</sup>: Tracy Stover, Jr. - Murray

### *Physiology and Biochemistry*

- 1<sup>st</sup> (tie): Jennifer D. Bryson - Asbury College
- 1<sup>st</sup> (tie): Ni Ji - Berea College
- 2<sup>nd</sup>: Amanda Morris - Western

### *Psychology*

- 1<sup>st</sup> (tie): John T. Nanney - Murray
- 1<sup>st</sup> (tie): Tiffany Diehl - Morehead

### *Zoology*

- 1<sup>st</sup>: Kate Hertweck - Western
- 2<sup>nd</sup> (tie): Regina Cutter - Northern
- 2<sup>nd</sup> (tie): Bojana Jovanovic - Berea College
- 2<sup>nd</sup> (tie): Gretchen Walker - Campbellsville

## Poster Presentation Winners

### *Life Sciences*

- 1<sup>st</sup>: Mary McCauley - Berea College
- 2<sup>nd</sup>: Adin Pemberton - Northern
- 3<sup>rd</sup> (tie): Kate O'Toole - Northern
- 3<sup>rd</sup> (tie): Rui Gao - Berea College
- 3<sup>rd</sup> (tie): Scott M. Goetz - Northern

### *Physical Sciences*

- 1<sup>st</sup>: Sarah Beetem - Northern
- 2<sup>nd</sup>: Ravi K.C. - Berea College
- 3<sup>rd</sup> (tie): James Leslie - Northern
- 3<sup>rd</sup> (tie): Deborah Engelbrecht - Eastern

### *Behavioral and Social Sciences*

- 1<sup>st</sup>: Amy Baird - Western
- 2<sup>nd</sup>: Lisa Daniel - Northern
- 3<sup>rd</sup>: Jessica Crisp - Morehead
- 4<sup>th</sup>: Kristopher Steinman - Morehead

# Kentucky Academy of Science Governing Board Changes

## Board members retiring:

Robert Barney, Past President;  
Dawn Anderson, Secretary; and  
Jennifer Muzyka, Physical Sciences Representative.

## Newly elected Board members:

Vice President - Nigel Cooper, University of Louisville;  
Secretary - Ken Carstens, Murray State University;  
Treasurer - Kenneth Crawford, Western Ky. U;  
Biological Sci. Rep. - Phil Liensch, Western Ky. U; and  
Physical Science Rep. - Scott Nutter, Northern Ky. U.

The Nominations and Elections Committee congratulates those who won election to office and expresses sincere appreciation to all those willing to serve the Academy by allowing their names to be placed into nomination.

At the November Board meeting, longtime Executive Secretary Don Frazier was elevated to Executive Secretary Emeritus status and Linda Hightower was introduced as the first Executive Director of the Kentucky Academy of Science. She sends this message:

“Having just celebrated my three month anniversary as the first Executive Director of the Kentucky Academy of Science, I find that with each passing week, I am increasingly proud and excited to be part of this organization. As a native Kentuckian who is thrilled to return home after many years away, I am honored to work with a group of people that continue to work so hard to improve the quality of life in our Commonwealth.

In the past twenty years, I have spent the bulk of my career in science education. My experiences have run the gamut from 'debugging' the hydraulics on mechanical dinosaurs at the Orlando Science Center to meeting a newborn baby African elephant face to fuzzy face (his, not mine) at Disney's Animal Kingdom. I've been fortunate to work with students and adults of all ages, from a huge variety of backgrounds. My greatest joy has been to work with those who are just discovering how fascinating and important a role that science plays in our lives. I am happy that through KAS, I will be able to continue to be an advocate for science literacy and science education.

In the coming months as I learn more, I will be sharing ideas and thoughts with our board members, and asking for feedback from our members as well. Please feel free to email me, or call me with any questions or if you need any information regarding the KAS. I look forward to working with you in this new year, and new adventure!”

Ms. Hightower's contact information is:

Phone: 859-221-3369  
E-mail: kasexecutivedirector@yahoo.com

**Please note:** The next meeting of the KAS Governing Board will be Saturday, January 22, 2005 at the University of Louisville University Club, at 10:00 a.m. EST.

# American Institute of Professional Geologists Meets in Kentucky

The 42nd Annual National Meeting for the American Institute of Professional Geologists (AIPG) is to be held in Lexington, Kentucky from October 9 through October 14, 2005. The theme of this years meeting is “Geologic Information: Racing into the Digital Age.” The meeting will be held in the Radisson Plaza Hotel in downtown Lexington, Kentucky. Fieldtrips to Mammoth Cave National Park, Natural Bridge State Park and a day of horse racing at Keeneland are scheduled during the conference.

Visit our website at [www.professionalgeologist.org](http://www.professionalgeologist.org) for more information. E-mail any questions to [AIPG2005@yahoo.com](mailto:AIPG2005@yahoo.com), or feel free to call Tom Spalding, General Chairman, at (502) 458-1209.

## KENTUCKY SCIENCE AND ENGINEERING FAIR (KY-SEF)

The Academy has always been a strong advocate of science education as evident by the KJAS and the URC. Another opportunity for the members of the Academy to support our young student scientists is to be a judge at the Kentucky Science and Engineering Fair. The third annual state-wide Kentucky Science and Engineering Fair will be hosted by Eastern Kentucky University in Richmond, KY on April 1-2, 2005. KY-SEF will provide the opportunity for more than 150 young student scientists from throughout the Commonwealth of Kentucky to compete for scholarships and prizes. KY-SEF is also affiliated with the Intel International Science and Engineering Fair which provides the opportunity for the Best of Fair winners to go to Intel ISEF this spring in Phoenix, Arizona to compete for additional scholarships and prize money. In 2004, 30 talented young student scientists representing Team Kentucky attended the International Science and Engineering Fair at Portland, Oregon. Team Kentucky represented the Commonwealth extremely well with 16 of the 30 students earning Grand Awards and a number of Special Awards as well. In order for KY-SEF to be successful we will need judges to evaluate the research projects of these young students. We would like to strongly encourage the members of the Academy to volunteer to be judges at KY-SEF on Saturday, April 2. You may register to be a judge at our web site at <http://www.kysef.eku.edu> or by contacting one of us.

Dr. Robert Creek  
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Dr. Barbara Ramey  
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Eastern Ky University  
Richmond, KY 40475  
(859) 622-1531  
[barbara.ramey@eku.edu](mailto:barbara.ramey@eku.edu)

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# OUTSTANDING UNIVERSITY TEACHER

The Awards Committee this year had a very difficult time with the selection of the recipient of the Outstanding College/University Science Teacher Award for 2004. We had two truly outstanding and deserving candidates and for the first time in the history of KAS decided to give this year's award to both of them.

**Kevin R. Hopper, Lexington Community College**  
*Outstanding College Teacher*



Dr. Kevin R. Hopper received his Bachelors degree with high distinction and honors in Biology from the University of Kentucky and he also received his Ph.D. in Biology from UK. After a postdoctoral research and teaching fellowship at Indiana State University he joined the faculty of Lexington Community College in 1999 where he serves as Assistant Professor of Biology. He has received exceptional recognition for his teaching. He is the 2004 recipient of the University of Kentucky Great Teacher Award, an award for which his students nominated him. He also received the Lexington Community College Outstanding Teacher award for non-tenured faculty in 2002 and is listed in *Who's Who Among America's Teachers, 2002* and in *Who's Who in America, 2004*. Dr. Hopper received an "Exceptional Faculty Rating" from UK Lexington Community College in 2001, 2002 and 2003. This rating is given to faculty making an exceptional contribution to the college during the review period and is reserved for "those few who have given extraordinary effort, have excelled due to personal effort, expertise, and sacrifice or whose contributions have attained special recognition."

Hopper's letters of support mention his exceptional evaluations and his excellent rapport with students. His nominator singles out above all the fact that he teaches students to "read nature first hand" by taking them on field trips to Robinson Forest and to San Salvador Island in the Bahamas. Despite his very high teaching loads and the impressive total number of students he instructs, Dr. Hopper continues his active involvement in biological research and has involved seven of his undergraduates in research, something seldom seen at a Community College. One supporter noted: "Though he might have gone on to run a large, productive laboratory, it is difficult to imagine how Kevin could have had a greater impact on science in Kentucky than what he accomplishes in the classroom. From 1994-2003, a total of 1645 undergraduate students were able to learn biology from one of the stars of undergraduate science instruction in the state."

**Richard Durtsche, Northern Kentucky University**  
*Outstanding University Teacher*

Dr. Richard Durtsche received his Bachelors degree in Biology and Chemistry from the University of Minnesota, his Masters in Biology from California State University and his Ph.D. in Zoology from the University of Oklahoma. Prior to joining the faculty of Northern Kentucky University he taught at the University of Central Oklahoma and at the University of Oklahoma, and also taught high school at the International School in Minnesota. He serves as an Adjunct Professor at the Universidad Autónoma de Morellos in Mexico. Dr. Durtsche joined the faculty of the Department of Biological Sciences at Northern Kentucky University in 2000 and has an impressive record of both research and teaching.

Durtsche's letters of support state his teaching efforts have been extraordinary with the development and introduction of five new courses, four in Ecology and one in Biometry, as well as major contributions to the development of the introductory Biology courses and Anatomy and Physiology. Dr. Durtsche has been especially dedicated to give students hands on field experience by taking his Tropical Ecology classes to Mexico and Costa Rica. A supporter wrote: "He is so dedicated to the potential benefits that these international courses present to our students that he taught a course this past spring break in Costa Rica as an unpaid overload (there were only seven students registered for the course, three shy of the mandatory ten for the course to "make")." Dr. Durtsche has also been extremely instrumental in instigating curricular changes within the Department of Biological Sciences, regarding math requirements. Recognizing that a solid foundation in math is a prime requirement for successful utilization of biology, he helped to develop a new course, biometry (bio statistics) that will be mandatory for most of NKU's majors. All his letters of support mention that where Dr. Durtsche truly shines is in his mentoring of undergraduate research students. (Continued on page 5.)



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2004

# Awards

## OUTSTANDING ACADEMY SERVICE

### **Dr. Jerry Warner, Northern Kentucky University**

Dr. Jerry Warner received his Bachelors and Masters degrees in Biology from the University of Louisiana at Monroe and his Ph.D. in Zoology from Texas Tech University. He joined the faculty of Northern Kentucky University in 1976 and has served as Chair of the Department of Biological Sciences from 1990 to the present. He has also served NKU as Associate Dean of the College of Arts and Sciences, as Executive Director of the Applied Ecology Center, as Director of the University 101 Program, and as interim Vice-President for Academic Affairs and Provost. He has been a member of the Kentucky Academy of Sciences for 27 years. During that time he has served as Vice-President, President Elect, President (2001-2002), Past President, Chair of the Nomination Committee, and as a member of the Governing Board of the Academy.

During his service as President he led the Academy in two major actions designed to assure the financial security and well being of the Academy for years to come. These actions are:

1. The Board interviewed and selected a firm to manage Academy assets of over \$1,000,000 in such a way as to assure that we get maximum return on investments with a reasonable level of risk.
2. He was instrumental in establishing the position of Executive Director to serve as the everyday voice and face of the Academy, and to represent the Academy throughout the Commonwealth as appropriate. We recently hired Linda Hightower for this position.

During his time on the Governing Board, he was one of the driving forces in expanding undergraduate participation in research and in the Academy. This involved the establishment of several small grants that are provided to support undergraduate research.

Also during his presidency, the decision was made that all presentations in the Undergraduate Research Competition would be made on Friday so that award winners could be recognized at the annual award banquet. Along with this came the decision that undergraduate presenters would get a free ticket to the banquet, thus greatly increasing the attendance of students and their mentors. All these actions are representative of Dr. Warner's abilities to make the Academy expand its scope, both as an organization, and in the individuals it touches throughout its activities.



**Durtsche...***(Continued from page 4.)* There is no better way to teach students how to find answers for themselves than with the involvement of undergraduate students in research. From the first year he started at NKU he has had three or four students working on research with him in his laboratory, and in the field every semester. In four years he has mentored at least 15 students. These students have worked on a variety of projects. He involves them in every aspect of the research from writing proposals to obtaining and analyzing the data to finally presenting and publishing the results. His students have presented at national and international meetings, as far away as Brazil, and whenever they have been in

competitions they have been award winners. Dick Durtsche gives his undergraduate students experience in research most students would get only in graduate school. His students, not surprisingly, have been admitted with full support to the graduate programs of their choice. The extraordinary success that Dick's students have is due in great part to his hard work and total dedication to them. As one of his supporters noted, "Dick has mastered the fine art of creating a strong research program that at the same time educates large numbers of undergraduates." He is an outstanding role model for both his students and his peers.

# Special Research Funding Award for 2004

One KAS Special Research Program Grant has been awarded for the 2004-2005 year. The recipient of the award this year is:

**Dr. Janelle Hare**, Assistant Professor, Morehead State University, for her proposal "The Potential of Genetic Transformation as a Mechanism of Bacterial DNA Repair."

The recipient of the award this year was voted upon by the KAS Governing Board at the 90th Annual Meeting, November 4, 2004, at Murray State University.

The Research Awards Committee received several very competitive proposals this year. We would like to encourage more KAS members to take advantage of the Academy's grant opportunities. Instructions and guidelines can be found on the KAS web site (<http://kas.wku.edu/kas>) and the KAS newsletter.

## Funding Request Deadlines

<u>February 15, 2005</u>	Athey Fund, Botany Fund
<u>October 1, 2005</u>	KAS Special Research Program
<u>November 15, 2005</u>	Undergraduate Research Supply, Summer Undergraduate Research

# Marcia Athey & Botany Funds Proposal Information

The Kentucky Academy of Science Foundation makes available through the Marcia Athey Fund and the Botany Fund monies for research planned and conducted by students of Kentucky secondary schools, colleges, and universities under the supervision of a faculty member. In the event that funds permit, consideration will also be given for support of faculty research projects. Faculty sponsors/researchers must be members of the Kentucky Academy of Science. Awards normally are in the several hundred dollar range, though in extraordinary circumstances some higher awards may be possible. All awards are made to the institution of the faculty supervisor/researcher. Applications must be submitted to the Chair of the Research Committee and postmarked not later than **February 15** of the year in which an award is sought. Funding recommendations will be made by the Committee to the Board not later than March 31 of that year.

Detailed instructions for preparing the proposal can be found on our web site at [kas.wku.edu](http://kas.wku.edu). A cover sheet as well as terms and conditions of the research supported by the Marcia Athey Fund and the Botany Fund can be obtained from the Research Committee Chair:

Dr. Ralph Thompson  
Department of Biology  
CPO Box 2121  
Berea College  
Berea, Kentucky 40404-2121  
859-985-3301  
[ralph\\_thompson@berea.edu](mailto:ralph_thompson@berea.edu)

## Need Information?

If you are looking for information about the Kentucky Academy of Science—our history, goals, membership, meetings, publications, or grant programs— please visit our website at [kas.wku.edu](http://kas.wku.edu). To inquire about membership status or lost Newsletter/Journal issues, please contact the Kentucky Academy Office:

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Science Outreach Center  
University Drive  
University of Kentucky  
Lexington, KY 40536-0078  
Phone: (859) 221-3369  
e-mail: [kasexecutivedirector@yahoo.com](mailto:kasexecutivedirector@yahoo.com)

To submit an item for publication in the Newsletter, contact:

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The Journal of the Kentucky Academy of Science is published twice annually. Original papers based on research or review in science will be considered, also contributions to the "Scientists of Kentucky" series. To submit an article for publication, see the information on the web at [kas.wku.edu/kas/HTJourPub.asp](http://kas.wku.edu/kas/HTJourPub.asp) or contact:

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Submission deadlines for the Newsletter are December 1, March 15, and July 15.  
KAS members should receive a Newsletter in January, May, and August.

# 2004 Graduate Research Competition and The Griffith Memorial Award Winners

## *Agricultural Sciences*

1<sup>st</sup> Place: Jeremiah Lowe - Kentucky State  
2<sup>nd</sup> Place: Nicholas Skudlarek - Kentucky State  
3<sup>rd</sup> Place: Pavani Vuppalapati - Western

## *Botany And Microbiology*

1<sup>st</sup> Place: Joann Lau - University of Illinois

## *Chemistry*

1<sup>st</sup> Place: Jessica Burnett - Eastern  
2<sup>nd</sup> Place: Gretchen Berryman - Western  
3<sup>rd</sup> Place: Cierra Cross - Western

## *Ecology and Environmental Science*

1<sup>st</sup> Place: Amelia Lehman - Murray

## *Geography*

1<sup>st</sup> Place: Brian Sakofsky - Western  
2<sup>nd</sup> Place: Robert Johnson - Morehead State  
3<sup>rd</sup> Place: Christina Henry - Western

## *Physiology and Biochemistry*

1<sup>st</sup> Place: Srikanth Aakula - Western

## *Psychology*

1<sup>st</sup> Place: Eric Vukmanic - Western

## *Psychology - Griffith Memorial Graduate Award*

1<sup>st</sup> Place (Tie): Joseph Odell - Morehead  
1<sup>st</sup> Place (Tie): Susan Roy - Morehead  
2<sup>nd</sup> Place (Tie): Melissa Bausmer - Morehead  
2<sup>nd</sup> Place (Tie): Stephanie Cunningham - Morehead

## *Zoology*

1<sup>st</sup> Place: Bill Chapman - Eastern  
2<sup>nd</sup> Place (Tie): Catarina Moreira - Western  
2<sup>nd</sup> Place (Tie): Jered Studinski - Western  
2<sup>nd</sup> Place (Tie): Rob Hopkins - Morehead

# 2005 Sectional Officers

<u>SECTION</u>	<u>CHAIRPERSON</u>	<u>SECRETARY</u>
Agricultural Sciences	John Sedlacek jsedlacek@gwmail.kysu.edu	Elmer Gray elmer.gray@wku.edu
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Botany & Microbiology	William S. Bryant bryantb@thomasmore.edu	Rick Boyce boycer@nku.edu
Cellular & Molecular Biol.	Cheryl Davis cheryl.davis@wku.edu	Nancy Rice nancy.rice@wku.edu
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Psychology	Sean Reilley s.reilley@morehead-st.edu	Wesley White w.white@moreheadstate.edu
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Zoology	Philip Lienesch philip.lienesch@wku.edu	Sherry L. Harrel sherry.harrel@eku.edu



The Junior Academy was begun over fifty years ago to foster an interest in science for middle school and high school students in Kentucky. Members of the Kentucky Junior Academy have the opportunity to :

- interact with other high school students across the state who are interested in science and technology,
- apply for money to design and complete science projects,
- present projects at the annual KJAS meeting, and
- publish an abstract in the Journal of the Ky Academy of Science.

Are you interested in joining the Kentucky Junior Academy of Science or just want to learn more about it? Check out the web site at:

<http://www.kyjas.org/>

or contact the KAS/KJAS office at:

University of Kentucky  
Outreach Center for Science & Health Careers  
102 Chandler Medical Center Annex 5  
Lexington, KY 40536-0078

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- \$35 Family member
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