

# Arkansas Academy of Science

## AAS Newsletter 2011

Jeff Robertson, Editor

January 2011

### *Of Special Interest...*

#### CALL FOR PAPERS

- 95th Annual Meeting of the Academy
- AAS student research grants



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\*\*\*You are encouraged to duplicate all or part of this document for dissemination amongst your colleagues. Encourage them to become members and to attend the annual meeting including the business meeting.

### **95th Annual Meeting of the Academy at UAM!**

The 95<sup>th</sup> annual meeting of the Arkansas Academy of Science will be held April 8-9, 2011, hosted by the University of Arkansas at Monticello.

Friday Evening will feature an informal mixer, poster presentations, dinner and keynote speaker (Dr. Don White of the University of Arkansas at Monticello). Oral presentations will be given Friday afternoon and Saturday morning, and poster presentations will be Friday afternoon.

Participants will have the option of making an oral or poster presentation. Both electronic registration and abstract(s) must be received no later than March 1, 2011. Registration and abstract submission is online.

March 8  
Deadline for payment of fees associated with the meeting

### **AAS Business Meeting for Everyone**

The annual business meeting for ALL members of the Academy will take place Saturday at 11:45am after the final session.

Please make travel plans that will allow you to stay and attend the business meeting. The meeting is for the you, and your attendance, contributions, expertise



April 8-9  
Journal Manuscripts due to Managing Editor or Editor-In-Chief at the meeting for inclusion in the JAAS Volume 65. Editorial staff will have a table near registration. **PLEASE read instructions for prospective authors** found at the Academy website.  
**MEETING WEBSITE for ONLINE REGISTRATION and ABSTRACTS:**  
<http://arkansasacademyofscience.org>  
(meetings tab)

and insights make the Academy better.

Academy Officers on the AAS Executive committee will convene on Friday, April 8th at 10:00 am Science Center (SC) with the UAM-LOC before the start of the AAS meeting sessions.

# Information For Presenters

Presenters should clearly communicate any special equipment needs at the time of their registration. Computer projection systems for PowerPoint will be available.

All PowerPoint presentations must be on CD or USB flash drive (preferable) and must be loaded onto the computer available in the session room **prior to the start of the session.** Therefore, if you plan to use PowerPoint, you must be at the session at least 30 minutes prior to the start of the session (i.e., if your talk is at 10:15, then you are in a morning session that begins at 9:00 a.m. You must be there at 8:30 AM to load your talk onto the computer).

Abstract submission will be open for the 2011 AAS meeting soon. Abstracts must be submitted for both oral and poster presentations. Oral presentations are limited to 15 minutes (12 minute talk, 3 minutes for questions).

Posters are limited to 3 feet 9 inches in both width and height. Vertical display boards of a cork-like material will be available for poster displays. Posters will be presented Friday evening.

Abstract submission and registration are online. Abstracts will be posted online within one week after they are received. Abstracts must be received **by 12 noon March 1** for both oral presentations

and posters! Be sure to submit your registration form as well.

In order to quickly post abstracts online, please submit your abstract using [the online submission form](#). Formatting such as italics and line breaks are lost on the form, but **email submission of the abstract in MS Word (in addition to using the online form) will let us retain formatting in the printed program.**

## JAAS Publication

Manuscripts for publication in the Journal, based on a presentation given at the meeting, are due at the time of the presentation. Manuscripts should be e-mailed to the Managing Editor of the Journal (Dr. Ivan Still, [istill@atu.edu](mailto:istill@atu.edu)) two days before the meeting. An electronic copy (on CD or flash drive) and hard copy should be handed to the editorial staff the day of the meeting. One of the authors must be an AAS member to publish in the Journal.

**PLEASE read instructions for prospective authors** found on the Academy website

**<http://www.ArkansasAcademyofScience.org>  
(Journal tab)**

## LOCAL ORGANIZING COMMITTEE AT UA-MONTICELLO

Glenn Manning, School of Mathematics and Natural Science—LOC [manning@uamont.edu](mailto:manning@uamont.edu)

Morris Bramlett, School of Mathematics and Natural Science [bramlett@uamont.edu](mailto:bramlett@uamont.edu)

Lynne Thompson, School of Forest Resources

Robert Ficklin, School of Forest Resources

Tracie Jones, School of Education/ERZ Director

**<http://www.ArkansasAcademyofScience.org> (Meetings tab)**

## KEYNOTE SPEAKER

### **The Space Use Ecology of Male Elk in Arkansas**

The traditional definition of habitat includes 4 basic components: food, cover, water, and space. The spatial arrangement of these components on the landscape relates closely to how ungulates such as elk (*Cervus elaphus*) distribute themselves. How well wildlife biologists and managers understand the behavior/habitat relationships of elk may determine how well they are able to maintain and improve the essential habitat elements necessary for elk survival. In this presentation, I will describe a progression of telemetry-based field studies several of my graduate students and I have conducted since 2003 in the Buffalo River watershed in north Arkansas that document male elk movements and habitat use. For male elk, landscapes are a mosaic of different resources that are explained in well defined seasonal and daily cycles to meet metabolic and security needs. Both the juxtaposition and grain of habitat patches within a home range were strong determinants of movement patterns and overall habitat suitability. Habitat management for male elk in a predominately forested environment, such as that found in the Buffalo River watershed, should include maintenance of agricultural fields and forage openings on flat, low elevation sites such as valley bottoms.



Dr. Don White, Jr. is the James M. White Professor of Wildlife Ecology in the School of Forest Resources (SFR) at the University of Arkansas-Monticello.

Prior to joining the SFR in 2000, Dr. White was Assistant Professor of Biology at Drury University in Springfield, Missouri from 1998 to 2000. From 1996 to 1998, Dr. White was a Postdoctoral Fellow at the University of Montana studying hantavirus in wild rodent populations in western Montana. Dr. White earned his Ph.D. in 1996 in Wildlife Science from Montana State University-Bozeman, studying grizzly bears in Glacier National Park.

Dr. White is broadly interested in the biology, ecology, conservation, and management of vertebrates, particularly large mammals. His research is focused around science issues relevant to wildlife management needs. The over-arching theme behind his research interests is developing scientific tools and knowledge to support sound natural resource management.

Dr. White and his graduate students conduct field research on a variety of wildlife species, including grizzly bears, black bears, elk, white-tailed deer, mountain goats, and small mammals in the western, mid-western, and southeastern U.S. Dr. White is a Certified Wildlife Biologist®.

## Tentative Schedule of Events

## 2011 AAS Executive Officers

<u>Time</u>	<u>Event</u>	<u>Location</u>
Friday April 8		
10:00	Executive Committee Meeting	SC:tba
11:00 -5:00	Registration	SC: A4
12:00-12:30	Judges and Session Chairs	SC:tba
2:00 – 5:30	Poster Session	University Center
1:00 – 2:30	Oral Session 1	SC: AUD, B18,B19,C18,C19
2:30-3:00	Break	SC: A4
3:00 – 4:30	Oral Session 2	SC: AUD, B18,B19,C18,C19
4:30-5:30	Mixer	University Center
5:30-6:30	Keynote Address	University Center
6:00 – 8:30	Banquet	UC: Green Room

Saturday April 9

8:00 – 10:00	Registration	SC, A4
8:30 – 10:30	Oral Session 3	SC: AUD, B18,B19,C18,C19
10:30 – 11:00	Meeting of Judges	SC: tba
11:00 – 11:30	Break	SC: A4
11:30-11:45	Awarding of Prizes	tba
11:45-1:00	Membership Meeting**	tba

**\*\*All members of the Academy are invited and strongly encouraged to participate in the AAS business meeting.\*\***

A copy of this Newsletter as well as previous editions are available ONLINE in the AAS members web pages accessed through the public portal at URL

<http://www.ArkansasAcademyofScience.org>

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**Aren't you the right person to step up to a leadership role?**

## Journal of the AAS (JAAS):

### Reviewers Solicited

Persons interested in acting as Associate Editors of the Journal or Reviewers in their field of expertise of manuscripts submitted for publication in the AAS Journal are needed.

Please contact Mostafa Hemmati (mhemmati@atu.edu) or Ivan Still (istill@atu.edu) by e-mail and provide your contact information and area(s) of expertise. Please be specific about the individual subjects you wish to review. (e.g. not just Botany, but herbaceous plants, or woody plants, or aquatic plants; and not just vertebrates, but reptiles, particularly snakes.)

### Comments for Prospective Authors

Authors are required to use the instructions found on the AAS website in preparing manuscripts submitted for publication in the Arkansas Academy of Science's Journal. The figures, graphs, diagrams, pictures, etc. must be inserted inside the manuscript. The electronic copy of the manuscript should be a single file. A caption should be written under each figure and above each table. To view and/or download new instructions visit the Academy website.

This new process means that a significant reduction in typing and editing takes place away from the authors direct control. **The final product submitted by the authors will be the published document in the Journal** (What-You-See-Is-What-You-Get, WYSIWYG). Or more to the point, what authors submit is what gets published. The editor and printer does no typing or editing and only acts to copy and bind the Journal.

## Awards competition for student presentations at the AAS Meeting

Students commonly present results of their research at the annual meetings of the Arkansas Academy of Science. Our award competition seeks to recognize outstanding presentations made by those competing students. Categories for oral presentations include Environmental Science, Life Science, and Physical Science, at both Undergraduate and Graduate levels of competition. Certificates and cash awards may be given for first place (\$100), second place (\$50), and third place (\$50).

Awards for best Undergraduate and Graduate Poster (\$100) were added by the Academy, in response to the increasing popularity of that form of presentation as well.

Student presenters interested in any of these competitions should mark the appropriate category on the abstract submission form, to indicate their desire to compete. Presentations not specifically entered into the competition will not be judged, nor will be eligible for an award.

## Arkansas Academy of Science PERMANENT ONLINE HOME:

**AAS Web Pages:** The official website of the Academy now has a permanent public portal whose web address will never change although internal links for member pages might whenever the host migrates. Always access the online Academy pages from the permanent public portal...

**<http://www.ArkansasAcademyofScience.org>**

## Accommodations in Monticello

Super 8

870-367-6271

[www.super8.com](http://www.super8.com)

King or Double

\$55.00 + tax

Days Inn

870-367-1881

[www.daysinn.com](http://www.daysinn.com)

Double or Single

\$70.00 + tax

Hampton Inn

870-367-6600

[hamptoninn1.hilton.com](http://hamptoninn1.hilton.com)

King or Double

\$85.00 + tax

Deluxe Breakfast

Holiday Inn

870-460-0100

[www.hiexpress.com](http://www.hiexpress.com)

Double

\$77.00 + tax

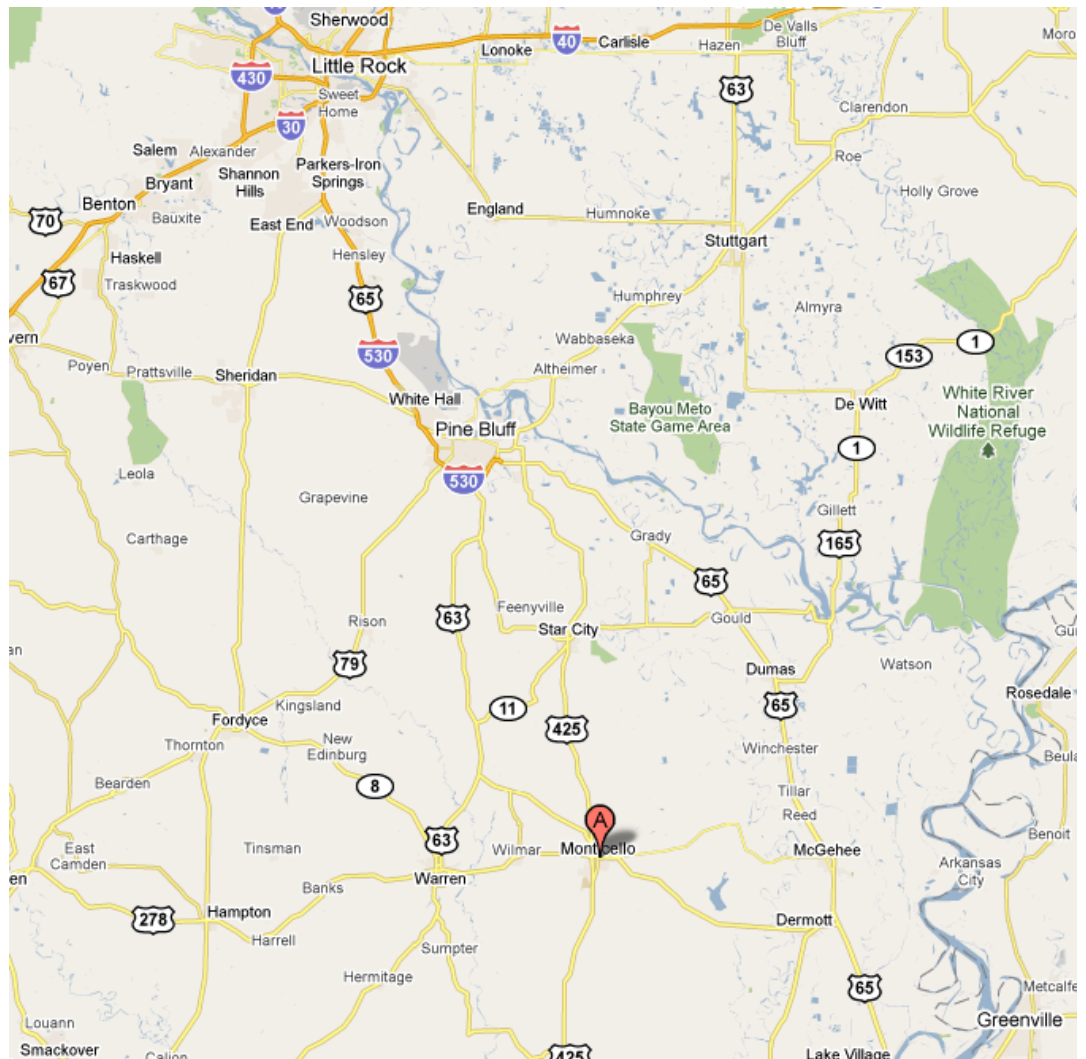
Deluxe Breakfast

Trotter House

870-367-0200

[www.trotterhouse.com](http://www.trotterhouse.com)

\$70.76 including tax



### University of Arkansas-Monticello

School of Forest Resources

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### Campus Map

<http://www.uamont.edu/UAMmap/>

**Grant competition for undergraduate  
students at the Arkansas Academy of Science.**

**Arkansas Academy of Science  
Undergraduate Research  
Awards**

**up to \$500**

**Applications available at  
<http://www.arkansasacademyofscience.org/>  
(Newsletter tab)**

**Applications are due: March 1, 2011**

**For more information contact:**

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