

Arkansas Cooperative Extension Service and Higher Education Personnel Perceptions of Web-Based Technology Training and Dissemination

Hayley G. Jernigan, Julie C. Robinson & Leslie D. Edgar



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How This Came About



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Personal Announcements

There are no announcements



Extension Announcements

[November 2012 Blue Letter](#)



Division News Highlights

News and Podcasts from the
University of Arkansas Division of
Agriculture



- [This week's headlines...](#)
- [This week's podcasts...](#)
- [This week's radio/podcasts by specialists and agents...](#)



Group Studio Activity Channel

Group	Applications	Chat	Last Visit
Support Staff	Files(2)	Inactive	2012-09-24
Trading Post		Inactive	2012-06-20
SNAP-Ed	Photos(1), Links(1), Files(92)	Inactive	2012-06-15

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Bookmarks

- [JA-SIG Homepage](#)
- [SunGard Higher Education Homepage](#)



Quick Links

Programs

- [Agriculture](#)
- [Business & Communities](#)
- [Families & Consumers](#)
- [Health & Nutrition](#)
- [Home & Garden](#)
- [Natural Resources](#)
- [4-H Youth Development](#)
- [Public Policy Center](#)
- [Giving](#)
- [Departments](#)
- [Search the Extension Web](#)

Policies

- [U of A Board Policies](#)
- [Division Policy and Management Guidelines](#)
- [Extension Policy Manual](#)
- [4-H State Policy Handbook](#)
- [OPM Policy Manual](#)
- [Classified Pay Plan \(PDF\)](#)
- [Temporary Position Pay Rates \(MSWord\)](#)

Additional Resources

- [Calendar of Events](#)
- [Jobs](#)
- [Blue Letter](#)
- [Policy Changes](#)
- [Templates](#)
- [Template Changes](#)
- [What's New in Publications](#)



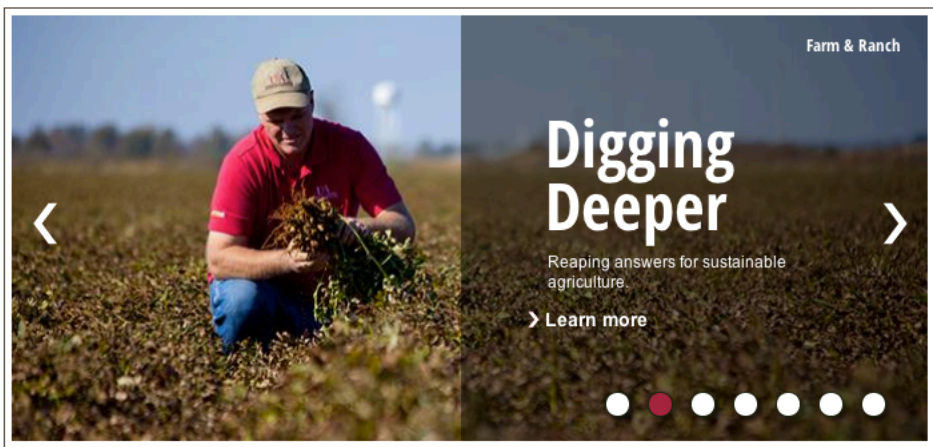
Cooperative Extension Service

Extension Home

Welcome home.

For more than a century, the University of Arkansas Cooperative Extension Service has been working to help improve the quality of life for all in the Natural State. Now, we've made a few improvements of our own, creating a website that's easier to use, no matter where you are, so you can find the answers that you've come to expect from us.

We're here for you.



Extension News

- Native warm-season grasses to offset the 'summer slump'**
- Tomatoes at the Trotter to reveal new heirloom tomato varieties; four-course tomato dinner**
- Lloyd Warren, longtime entomology professor and administrator, dies at 98**

Extension Events

- JUN 23** Boone County 4-H Camp
- JUN 26** Ozark District Horse Show (Conway)
- JUN 26** 4-H Cloverbud Day Workshop

Extension Highlight

Extension centennial
See our big Extension birthday card.
Birthday Card Mosaic

Background

- 53.8 million “hits”
- 12,000 pages then
- 870 pages now
- 1 office vs. all offices

What Now?

Need for the Idea

- “The ability to create, host, and facilitate access to educational materials and information over the Internet creates many new opportunities for Extension educators” (Rich, Komar, Schilling, Tomas, Carleo, & Colucci, 2011, p. 2).
- In-service training via the Internet has been found to be an effective form of training and has even been met with enthusiasm by county agents (Lippert, Plank, Camberato, & Chastain, 1998).



Need for the Idea

- County agents reported flexibility with their time, no travel, overall savings, and ability to share ideas with people across a large geographic area as advantages to in-service trainings utilizing the Internet (Lippert et al., 1998).
- Today's Extension agent must be a technical expert as well as skilled and competent in diverse, electronic information development and dissemination (Diem, Hino, Martin, & Meisenbach, 2011; Telg, Irani, Hurst, & Kistler, 2007).

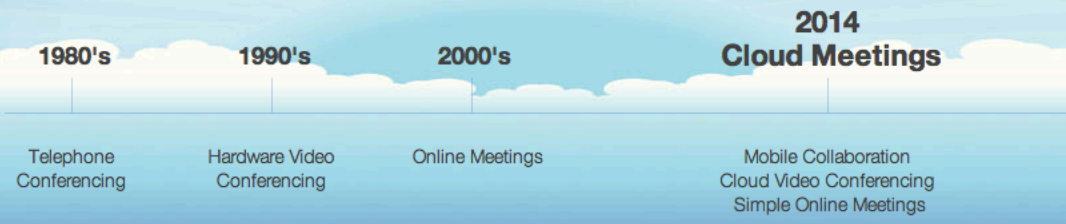
What We Did



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The Cloud Meeting Company



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Loved by more than 15,000 businesses worldwide



“Zoom”ing into the Future

- Summer of 2013
- Founded in 2011 by leaders and engineers from Cisco and WebEx
- Used by more than 4,500 businesses and organizations
- Previous training experiences with WebEx
- Economically feasible

Zoom© Features

- High definition video and voice capabilities
- High quality desktop and application sharing
- Participants can join a Zoom© meeting via
 - Mobile device (iOS or Android)
 - Computer (Mac or Windows)
 - iPad
- Free for up to 25 devices and 45 minutes
- Sessions can be recorded and shared



How Trainings Were Set Up



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Home Layout Tables Charts SmartArt Formulas Data Review

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Alignment: Left, Center, Right, Justify, Wrap Text, Merge

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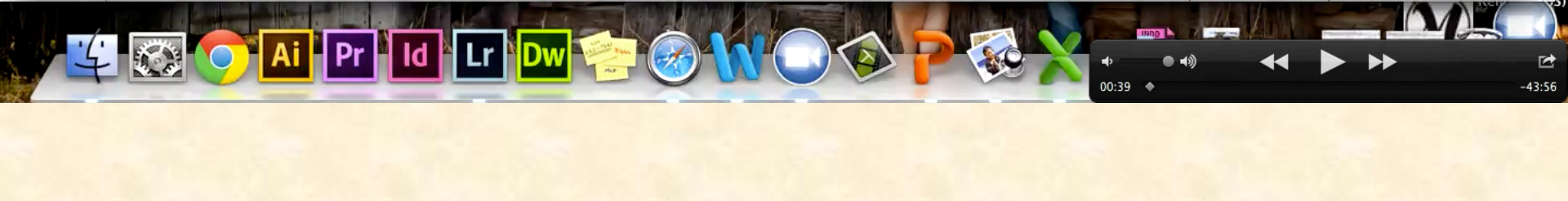
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Dashboard Content

Pages Assets Recent Saves Recent Publishes

Site: www /counties/calhoun/default.pcf

top / counties / calhoun /

edit props preview compare

check revert backup



Type	Actions	Name
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		_props.pcf
		default.pcf
		docs
		images
		media
		newsletter.pcf
		programs.pcf

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B I U ABC

BR

Extension Home > County Offices > Falacy

County Name

Calhoun County

HISTORY: Located in south-central Arkansas, Calhoun County has the smallest population of Arkansas's seventy-five counties. The economic base is timber, sand, and gravel. Sixty-eight percent of the workforce is employed in manufacturing.

Hampton has served as the county seat since 1850, and it remains the county's most populous city. The Hampton School District serves most of Calhoun County and has every grade through high school. A new high school and gymnasium were recently completed in 2012. The city is home to the South Arkansas Sun newspaper.

MISSION: The mission of the University of Arkansas Cooperative Extension Service is to provide research-based information through non-formal education to help Arkansians improve their economic well-being and the quality of their lives.

Address
2901 West Roosevelt Rd
Little Rock, AR 72204

Directions to our office

Contact
Phone: (870) 994-7363
Fax: (870) 994-7366

Office Hours:
Monday - Friday 8:00 to 4:30

Staff Directory

Events

- NOV 15** Montgomery Co. residents have opportunity to ID assets, plan for the future
- NOV 18** Conference imparts development from a water quality perspective
- NOV 24** Born of turmoil, Morrill Act opened university education to all

Extension Resources

4-H Online

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Rich text editor toolbar with icons for undo, redo, bold, italic, underline, font color, background color, bulleted list, numbered list, link, unlink, and other editing functions.

Extension Home > County Offices > Pulaski

County Name

Calhoun County

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Staff Directory

(Certified loggers training)

AGRICULTURE The Arkansas Timber Producers Association (ATPA) invites loggers to their harvest and timber hauler training in mid-to-late August. They require loggers to bring six CE credits prior to initiation their certification. The Calhoun County CES office started offering an annual, statewide mandatory CE for CE accreditation of loggers. The event is offered and working hours in collaboration with the ATPA and logger associations. We negotiated a reduced cost of only \$5 per person to save loggers money and host it at a central location to save local loggers travel time.

The 2012 event attracted 26 professional loggers from four major area companies, with all accredited to maintain their hauling status. The convenience of the event allowed these loggers to work that same day, hauling 35 loads of timber, valued at more than \$12,000 to the local economy. The negotiated price saved each person up to \$30 compared to certification at other venues.

Events

- NOV 15** Montgomery Co. residents have opportunity to ID assets, plan for the future
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Extension Resources

- 4-H Online
- Master Gardener Program
- Pesticide Training
- Extension Homemakers



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Participant Reactions

Participant Satisfaction

- Convenience of learning via distance strong factor
- Consistent with in-service training research
- Willing to learn via distance, hesitant to teach via distance

Technological Literacy Self-Ratings

(n = 15)

- **53%**

“Intermediate” will try most technology but not proficient in some

- **25%**

“Advanced” will try most technology and proficient in most

- **16%**

“Expert” knowledgeable and people come to me for assistance



Zoom© Ratings

- In one post-training survey:
 - Participants rated their enjoyment of training via Zoom at an average of 83.8% ($n = 15$) on a scale of 0 to 100.
 - An average of 80.7% of participants ($n = 15$) reported training via Zoom© was effective for their learning styles.
 - Participants noted the convenience of not having to travel to trainings, and mentioned enjoying the ability to share their desktop screens with the instructor to troubleshoot problems.

Future Plans & Recommendations



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Making an Impact

- Explore distance education platforms
- Go where our people are
- Form relationships

References

- Diem, K. G., Hino, J., Martin, D., & Meisenbach, T. (2011). Is extension ready to adopt new technology for delivering programs and reaching new audiences? *Journal of Extension*, 49(6). Article number 6FEA1. Retrieved from <http://www.joe.org>
- Lippert, R. M., Plank, O., Camberato, J., & Chastain, J. (1998). Regional extension in-service training via the internet. *Journal of Extension*, 36(1), Article 1FEA3. Retrieved from <http://www.joe.org/joe/1998february/a3.php>
- Rich, S. R., Komar, S., Schilling, B., Tomas, S. T., Carleo, J., & Colucci, S. J. (2011). Meeting Extension programming needs with technology: A case study for agritourism webinars. *Journal of Extension*, 49(6). Article number 6FEA4. Retrieved from <http://www.joe.org>
- Telg, R., Irani, T., Hurst, A., & Kistler, M. (2007, April). Local marketing and promotional efforts of Florida extension agents. *Journal of Extension*, 45(2). Article 2FEA5. Retrieved from <http://www.joe.org/joe/2007April/a5.shtml>
- UAEX Site Stats (2013). Are You Web Ready? *The Internet is No Place for Sissies*. Retrieved from <http://areyouwebready.wordpress.com/2013/06/04/the-internet-is-no-place-for-sissies/>