



**From the Department of Dairy and Animal Science**

This regular column from Penn State's Department of Dairy and Animal Science features the research findings, student opportunities, and reports on other important topics generated in the Department. The back issues of the column are archived on *Lancaster Farming's* Internet [www.lancasterfarming.com](http://www.lancasterfarming.com) home page. Look for them.

**WEB-BASED DELIVERY SYSTEMS**

**Karen Vines**  
Distance Education  
Coordinator  
Department Of Dairy  
And Animal Science

The official mission of Penn State's College of Agriculture

Sciences is to create, analyze, and share knowledge to enhance the food and agricultural system, natural resource and environmental stewardship, and economic and social well-being, thereby improving the lives of people in Pennsylvania, the nation, and the world. Traditionally, this has

been accomplished in the classroom through extension workshops and presentations or through printed material such as publications or newsletters.

As the population's access and comfort level in using computers is increasing, we must recognize the Internet as another tool to use in improving the lives of our clientele.

The creation of the Distance Education Coordinator position in the Department of Dairy and Animal Science this past June indicates how the department is seizing this opportunity. Distance education provides opportunity to focus on the customer, letting them determine the time and location of delivery of educational materials.

Opportunities provided through use of new technologies

range from providing basic information on a Webpage to the offering of Web-based interactive courses that individuals can complete for college credit without having to step on campus. Many new opportunities currently exist and others are being developed. This article will highlight some of the new opportunities.

**Webpages**

Webpages serve as the primary introduction for many people to the Internet. They provide a means for getting information out to a large number of people. Information may be "static" — i.e. rarely changing. Earlier pages basically provided contact information for a company or business.

Today's pages tend to be much more dynamic and interactive. Content on many popular pages

and is looking for new ways to enhance the use of the site. The site serves as a collection of information about activities within the department as well as providing access to research-based production and marketing information related to the various livestock species within the department. Links to student organizations hosted by the department are also provided on this site. The site is located at <http://www.das.psu.edu>.

A recent effort resulted in the development of a nutrient management Website. This site serves as a repository for information useful to livestock producers within the state related to animal nutrient issues. The site was initiated and has been developed by a committee within the department of Dairy and Animal Science with assistance from the Information and Communication Technologies Unit in the College of Agriculture. Content has been provided by subject matter specialists in the following departments: Ag and Biological Engineering, Ag Economy and Rural Sociology, Crop and Soil Sciences, Dairy and Animal Sciences, School of Forest Resources, Poultry Science, and Veterinary Science. The USDA Pasture Systems Water Shed Management Research Laboratory also provided material for the site. This site is located at <http://nutrient.psu.edu>.

**Interactive Tools**

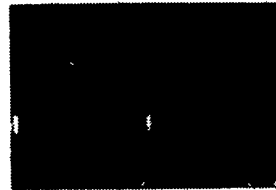
The Department of Dairy and Animal Science developed its original Website in 1996. Christian Vinten-Johansen currently serves as Webmaster

Interactive tools allow the client to utilize information specific to their situation and to tailor the educational materials presented to aid them in the decision-making process. One example of an interactive tool is the Food Industry By-Product Website, which was designed to meet the needs of both livestock producers and the food industry in the commonwealth of Pennsylvania.

(Turn to Page A33)

*Real Time Ultrasound the "Real McCoy"*

- : Total mobile Scanning/ 12vdc Powered
- : Verify pregnancy with accuracy at day 25-28
- : Sex the fetus days 55-80 days
- : Detect twinning
- : Monitor follicular development
- : Identify cystic ovaries and other abnormalities
- : Ask for reference dairies using the "Real McCoy"
- : Detect pregnancy without manipulating the uterus
- : Purchase for as little as \$ 186.25 per month on 60 month lease/purchase program



typical bovine image

\*\* Using the EIM Video Headset you can now see images in the bright sunlight.

\*\* The only Scanner designed and built for the Dairyman

Offering local hands-on training using ultrasound

mfg by: E.I. Medical  
348 North Jefferson  
Loveland, CO. 80537

Tel: 970-669-1793  
Fax: 970-669-1902  
e-mail: [sales@eimedical.com](mailto:sales@eimedical.com)  
web site: [www.eimedical.com](http://www.eimedical.com)

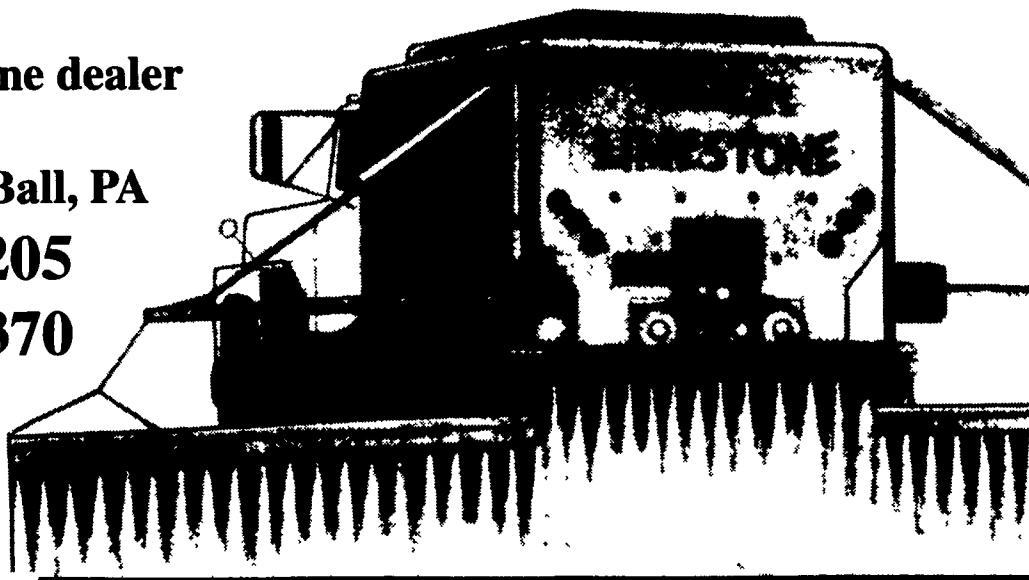
**SPRING AGLIME APPLICATION**

**Don't put it off, Put it on.**

- If you need aglime, you can't afford to farm without it.
- Martin's quality aglime will effect your soil pH immediately after application

**You can get lime NOW!**

**Call your local Martin Limestone dealer for delivery or call us in Blue Ball, PA**  
**(800) 233-0205**  
**(717) 354-1370**



**MESSICK'S**

187 Merts Drive  
Elizabethtown, PA 17022  
Phone # 717-367-1319 1-800-222-3373  
Fax # 717-367-6662

**EXTENDED SPRING HOURS ARE BACK!**

**Starting April 15 thru June 14**  
**Monday thru Friday**  
**Parts, Sales, & Service**  
**will be open from**  
**7:00 am until 6:00 pm**

We are committed  
365 days a year to afterhour  
parts support. Just call  
our pager at:  
293-6406

**HOLIDAY HOURS**

Messick's Parts Department\* will be open during regular business hours on the following holidays:

- Memorial Day**
- July 4th**
- Labor Day**

\*All other departments will be closed.

**MESSICK FARM EQUIPMENT INC.**

Rheams Exit - Rt. 283, Elizabethtown, PA 717-367-1319, 717-653-8867

Visit us on the Internet at <http://www.casecorp.com>

