

# 1997 Junior All-Pennsylvania Winners

(Continued from Page A26)



Hon. Men. Walk-Le Encore Amy  
Greg Walker, Thomasville



Reserve Rocky-Side Star Laur Lurece  
Nominated Jr. All-American  
Eric Hixson, Connellsville



All-PA Windy-Knoll-View CC Pear-ET  
Nominated Jr. All-American  
Justin Burdette, Mercersburg



Reserve Globe-Run Sexy Darlene  
Charann Foster, Petersburg

## JUNIOR 3-YEAR-OLD



All-PA Dochaven Skybuck Sandi  
Andrew McKissick, New Castle



Hon. Men. Woodbine Elijah Vernia  
Christi Knight, Airville



Reserve Dar-Dale Vanguard Val  
Daphne Doll, Glen Rock

## AGED COW



All-PA Ray-Anthony Valiant Chipper  
Andrew McKissick, New Castle



Reserve Jericho Dairy Flip Bogart  
Scott Woodmansee, Lake Como



All-PA Windy-Knoll-View Krisma  
Amanda Cessna, Everett



Hon. Men. A-Jay Lead Bell Hart  
Joel Alsdorf, Spartansburg



Hon. Men. Dar-Dale Skybuck Melissa  
Daphne Doll, Glen Rock



Reserve Keystone Highlight Lake  
Sara Hlavaty, Easton



## 125,000 POUND COW



All-PA Jethro Dairy FPMT Diane Dixie  
Shelly Woodmansee, Lake Como



Reserve C-Pineriver Jethro Gretta  
Timothy Vail, Lebanon

## SENIOR 3-YEAR-OLD



All-PA Dalee-Bred Counselor Posie  
Timothy Vail, Lebanon



Hon. Men. SWJ Inspir Vini  
Dawn Jones, Neelyton

## Pennsylvania Junior Holstein Convention

The 1998 Pennsylvania Junior Holstein Convention will be held February 6-8, 1998 at the Holiday Inn, Umontown, PA. The Junior members of the Southwest District have put together an excellent program of education and fun for Juniors of all ages.

The facilities at the Holiday Inn include an indoor swimming pool and many activities in the Holdhome Recreation Area. Some new activities this year will include the "Holstein Feud" Contest, the all new Speech Contest plus the Dairy Bowl Contest.

Educational opportunities will include workshops on heat detection and breeding cows including hands-on work with reproductive tracts and getting a "feel" for breeding cows.

The tour on Saturday will include a visit to the Christen

Klay Winery. This 215 acre winery includes the vineyards and processing room. The gift shop will have grape juices, cheeses, etc. for purchase and sampling.

We will hear the top speeches delivered on Saturday night and enjoy a dance to end an action-packed day on Saturday.

At the Awards Program on Sunday we will present awards to Juniors in many contest areas including Distinguished Junior Member and Scholarship winners. Kurt Angle, a 1996 Olympic Gold Medalist will speak to us about his preparation for Olympic Competition and how it helped him prepare for his future.

Plan to join the Southwest Juniors and find out why "We're So Great, We Couldn't Wait" and be in Umontown February 6-8th.

## Dairy Management Column

**GEORGE F.W. HAENLEIN**  
Extension Dairy Specialist  
University of Delaware

### An Update On Selenium

I continue to receive inquiries about selenium from cow, goat and sheep farmers, so an update seems in order. If you live in one of the following areas of the United States, you live on selenium-deficient soils; Delmarva, New England, New York, New Jersey, Delaware, Pennsylvania, Maryland, West Virginia, Florida, Ohio, Indiana, Illinois, Michigan, Wisconsin, Washington State, Oregon, and the coastal regions of Virginia, Carolinas and Georgia (see figure 1). Dairy farmers in these areas should be concerned about supplementing their animal feeds and, possibly, treating animals with selenium to prevent the symptoms that occur as the result

of subclinical and clinical selenium deficiencies.

Selenium is also found in excess of the needs of healthy plants and animals in certain spotty areas of the northwestern and midwestern United States (figure 1), especially on desert soils. As rainfall increases, it produces in soils selenium deficiencies for plants and animals, although water itself is a poor source of selenium.

Human needs for selenium are supplied mainly by plant foods, but also, to some extent, by seafood and certain meats. While selenium serves some industrial use, its primary use is in the prevention of selenium deficiency in animals and people.

Selenium-deficiency symptoms in livestock (and primates) include cataracts, underdevelopment of blood and lymph systems, loss of

hair, weight loss, weakness, lack of growth, liver failure, skin disorders and reproductive failures (usually in females, but also abnormal functioning in semen). In chickens, reduced egg production, less hatchability and degeneration of the pancreas also occur.

Selenium is an essential element for normal health and functioning of farm animals, and its necessity has been documented for human nutrition in 1976, including a possible role in aging, anticarcinogenic properties and blood clotting.

Crops will be low in selenium when grown in areas with low selenium contents in the soil. People living mainly on crops from such areas are at risk for low selenium intake. Research with selenium supplementation to malnourished children resulted in significant

weight gains. Within the United States, low levels of selenium have been found in breast milk and in babies' blood serum selenium contents from mothers living in areas with low selenium crops and soils.

Selenium contents of cow, goat or sheep milk are hard to estimate from food content tables or text-

books, in part because of variability, depending on feed and food contents. Selenium is readily excreted in milk, thus milk contents are good indicators of the nutritional selenium status. Selenium should be part of baby formula, food and feed supplementation. In addition, vitamin E and selenium