

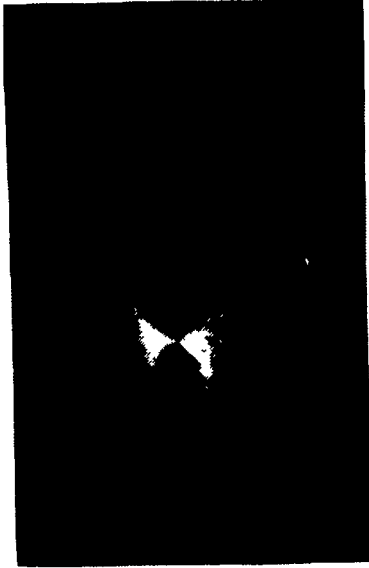
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Keystone Farm Credit Announces Scholarship Winners

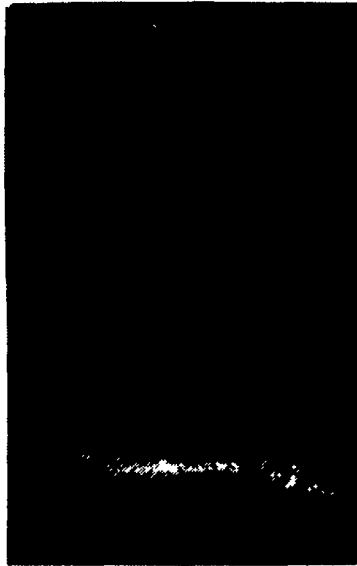
LANCASTER (Lancaster Co.) — Eric R. Wenger of Manheim (Lancaster County) and Amy E. Plummer of Chalfont (Bucks County) have been named as recipients of Keystone Farm Credit's two annual scholarships.

Applicants for Keystone's scholarship must be high school seniors who live in Keystone's 15-county territory and plan to major in agriculture or agribusiness at a four-year college on a fulltime basis.

Eric is the son of Nelson and Alma Wenger. He attends Manheim Central High School and plans to study accounting at Messiah College or Penn State University. An outstanding student, he has been active in his school's National Honor Society, yearbook staff, band, orchestra and the Erisman Mennonite Church. He is president of the church youth group, serves as president of his senior class and served as a 4-H computer science volunteer leader. He received the Lancaster County 4-H Superior Achievement Award, served as 4-H ambassador, and participated in the 4-H exchange to the Republic of Poland.



Eric R. Wenger



Amy E. Plummer

Amy is the daughter of John and Maxine Plummer. She attends Central Bucks High School West and will attend either the University of Tennessee in Knoxville or Virginia Polytechnic Institute and State University in Blacksburg. She plans to study pre vet medicine/biology.

Amy is involved in 4-H programs in which she has received numerous awards and has represented 4-H on many levels. She has also received numerous science awards throughout high school. She was named to Who's Who Among American High School Students, is a member of the National Honor Society, and has been involved with the Student Government Organization.

Applications for Keystone's 1996 Scholarship will be available in September.

Because it was retrofitted with ventilation systems, Martin's setup also demonstrated the techniques which can be used to pull fresh air from the hay mow area in older barns.

terms installed there.

Martin has a 64 tiestall barn that is outfitted with a system for all three seasons and ventilation strategies.

In designing a ventilation system, it was explained that a series of "stages" should be designed. These stages are in fact overlapping ventilation plans, each using a different set of fans and air inlets.

At the Martin barn, Nelson opened up one end of the barn by removing some block from around four 48-inch fans at the other end.

He also has some fans mounted in the side wall away from the silos to provide the energy for the negative pressure system for winter.

In order to provide for a range of conditions, the whole system is based on seven stages of design, ranging from the winter system to the tunnel ventilation.

Controls are located along a wall with temperature and pressure sensors located at areas most favorable to getting readings that measure best the conditions the cow is experiencing.

McFarland explained the control settings and the triggers and how the system was coordinated to achieve different levels, or stages of air flow.

Eileen Wheeler demonstrated wind measuring devices and discussed the effects of structure on the flow of air, how to detect dead air spots, and how to fine tune a barn to get the desired effect.

Graves showed the ventilation system built into the barn's second floor hay storage area and discussed why materials were used, spacing, etc.

Tyson discussed the tunnel ventilation system and how to calculate the size and placement of the openings and fans, surface area and speed, along with some things to consider in retrofitting.

During the entire time, agents were encouraged to ask questions, and did. On top of the intensive instruction, each agent was provided with a packet of reference materials.

These types of in-service educational professional seminars are designed so most agents can be expected to be able to aid farmers in search of the latest information.

For more information on ventilation systems, contact a local dairy agent.

He Farms, She Teaches Ag

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In addition to cows, a few sheep graze on the pasture.

"Christine inherited the sheep when we purchased the farm," David said. "At first, she got a few dollars when she had them sheared, but now she needs to pay to have them sheared."

Christine has continued teaching throughout the birth of their three children. A full-time nanny comes to the farm each school day to watch the children while Christine is working. She leaves at 7 a.m. to reach the school and often needs to work evenings with the adult farmer program and FFA activities with the students.

Both parents take turns chauffeuring their oldest daughter Erin, who is Lebanon County's Li'l Miss Dairy Miss, to dairy promotions. (See story on page B-10.)

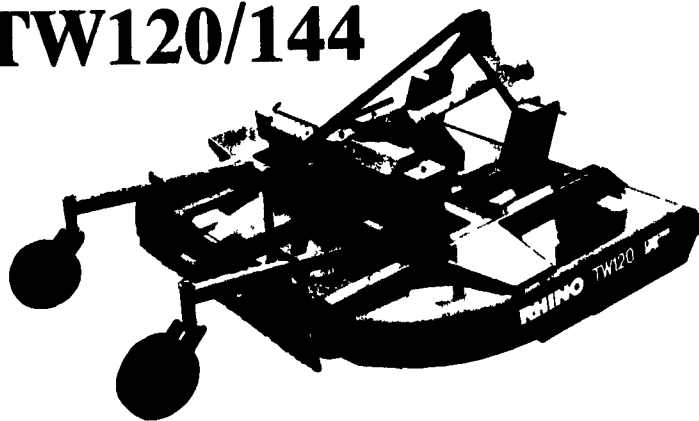
Combining full-time teaching, farming, and raising a family isn't always easy.

Christine said, "Like everyone else, we have our ups and downs and wish we had more time to spend together as a family. We treasure family time. When we have it, we make sure it is as quality as possible."

The combination of responsibilities, Christine believes, gives her perspective. She said, "I like coming home to the farm. Farm responsibilities keep me in tune to what's going on so that I can use it in the classroom and with my adult work."

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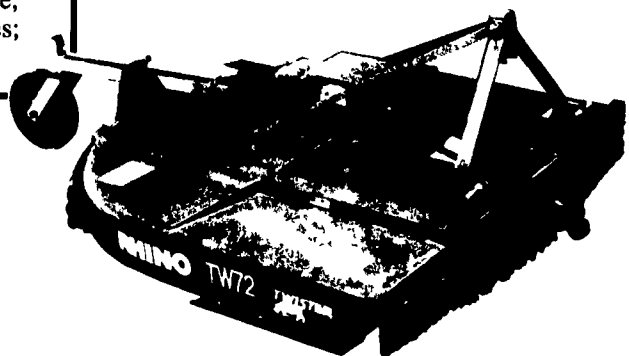


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