## Milk Can Be **Cooled** Too Fast

ARS scientists have completed the first stage of research to get a precise answer must you cool milk in a bulk ia Chapter Queen, took hightank?

ing rate of milk, usually stipulating it must reach 50 de- 12, when she was crowned and Roxana, 7. grees F. in one hour. So far, no research results are available to support the hour cooling period, but it is judged to be within a safe time limit.

flavor. Slow cooling also has hours. its dangers: Bacteria multiply 15 too slow, the milk can deteriorate noticeably.

## **Pennsylvania Flying Farmers** RUTH WILSON CROWNED

INTERNATIONAL QUEEN Ruth H. Wilson, Nottingham,

Mitisheds regulate the cool. al Flying Farmer Queen con-International Flying Farmer Queen by Duane Wallace. Cessna Aircraft Corporation

Fast cooling is costly, how- ity First indications, however. thereby possibly harming the safely to 50 degrees in 21/2

ly conducting tests with milk Queen Ruth.

even in milk of highest qual- for cooling milk in bulk tanks Chester, Pa, September 18

who sponsored the contest. Ruth is the wife of Harry

R. Wilson and the mother of five children. The Wilsons from a crib to the farm hamto the question: How fast Lancaster County, Pennsylvan. operate a 450-acre dairy and mermill; Esbenshade says it small grain farm in Little will unload a 4-ton dump wagest honors in the Internation. Britain Township. Their chil- on in 45 minutes. In the windren are Dana, 18; Beverly, ter it will also see duty at the con of Ma state 18-year-old test held in Omaha, August 16; Henry III, 14; Judy, 11, site of the trench silo.

aircraft which they will oper-Chairman of the Board of ate from an approved strip on inventory. And in entering their dairy farm. Harry, a former Navy pilot, has been flying for 22 years. Queen Ruth just recently passed her writever, and may cause a por- are that milk of uniformly just recently passed her writ-tion of the milk to freeze, high quality can be cooled milet and in another bar pilot and is ready for her flight test "Being a Flying Farmer gives us the satisfac-Schultze and Smith empha- tion of warm, sincere friendmuch more rapidly at higher size that these preliminary ship, and keeps us in close temperatures and, if cooling findings apply only to research contact with both agricultural conditions. They are present- and aviation interests," says

ARS microbiologist W D. having higher bacteria counts International Queen Ruth Schultze and dairy husband- in bulk coolers of various de- plans to visit every Region man J W. Smith have taken signs, hoping to cover all the of the organization during the ing to cool high-quality milk er may find on his route The will begin with Region 3 for from body temperature to 50 research is expected to yield the Ontario Chapter convendegrees They found that the objective information on which tion at Sarnia, Ontario, Septhour cooling period permit- quality-control authorities can tember 12 Next will be the ted excessive bacterial growth base the optimum time limit Region 1 meeting at West

Lancaster Farming, Saturday, August 21, 1965-7

#### Esbenshade

(Continued from Page 1)

In constructing this elevaof equipment to his growing brothers. the farm mechanics contest, he converted a \$17.85 invest- and he owns 32 head of regisment into \$65 worth of prizes' tered Ayishires He also farms Not a bad return. He received 12 acres of tobacco, and 28 \$25 as one of the state's 28 acres of tomatoes. The total area winners, and \$40 as run- family operation includes 20. ner-up in the regional divi- acres of tobacco; a 70-head sion (there are five regions in Ayrshire dairy, and 40 acres the state)

ond completed year, is spon- using the lipe ones as a cleansored by the Pennsylvania up clop Farm Electrification Council, and is supervised by the De- 4-H work He served as presipartment of Public Instruction dent of the county 4-H Ayias long as 4 hours after milk- conditions a typical milk haul- coming year Her schedule cation The regional winner is a junior leader this year. Division of Agricultural Edu- shire-Jersey Club last year, and this year was an FIFA boy He took reserve champion. from Blue Mountain Joint Ayishire recently at the 4-H School, near Schuylkill Haven Dairy Roundup with his 3. Other entries from county vo-year-old cow, Glenn Hurst ag departments were Paul Cors Pride, and will be among Brubaker, Lititz R1, Warwick the 4-H'eis representing the FFA Chapter, Linfold Weaver, county in the district show at Ephrata R1, Closter Chapter

Esbenshade is a 1965 graduate of Solanco High School

MH 30

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BRO., INC.

He is holder of the Keystone Degree, and served as sentinel in the Solanco Chapter duiing his senior year. His equity in the home farm as of last fall was about \$28,000. This included livestock and equip-Esbenshade, and presently works the 300-acte family They own a Cherokee #150 tor Jim added a valuable piece faim with his father and two

> His main interest is daily, of tomatoes The Esbenshades The contest, now in its sec- specialize in green tomatoes,

> > Jim has also been active in Hershey on August 27.

So far as we could learn, he has yet to attempt rebuilding; of old, depieciated cows, but he sure has a knack for putting new life into any tired, worn-out piece of machinery.

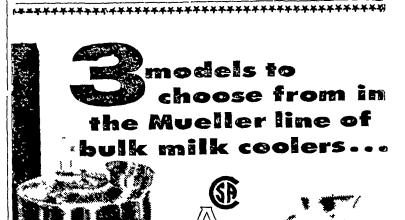
#### Poultry Tour

(Continued from Page 1)

ditioned buses A few others followed in their own cars

The group visited the new Penn Danies plant, the New Holland Machine Company; Victor Weaver's Poultry Plant, and Turkey Hill Dairy.

The general comments and the interested crowd - the largest to make the annual tiip in several years - indicated the association had enjoyed a very successful tour.





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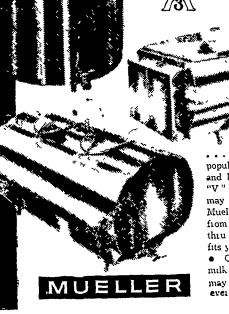
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