

**John Glick**  
(Continued from Page 8)

Show Girl and many of the other Rocking G horses like a professional. He looks forward to the day he can ride Mr. Pay Day too.

An up-coming event that the Glick family is anticipating is their 6th Annual Rocking G Stables Quarter Horse Show to be held Saturday, May 24, at the Bareville show grounds. A full list of classes will be featured and the show is approved by leading Horse Associations in 1968, entries from Canada and 20 States showed at the local affair.

Yes, horses are a family affair for the John Glick family. But the methods learned from their experiences and pleasures they have received from their adventures are not squandered on themselves alone. Any help needed is unselfishly offered to anyone wishing to get started in the growing occupation of horses and horsemanship.



A NEAR PERFECT typed head and front end is pictured in *Bandera's Best*, the Palomino stud horse owned by John Glick, Bareville. L. F. Photo

**Farm Calendar**  
(Continued from Page 1)

Speaking Contest, Millersville State College.

1 00 p m—4-H Clothing Leader Training, Farm and Home Center.

7 30 p m—Guernsey 4-H Club meets, Margiet Shope Home, Lampeter.

Wednesday, May 7

1 00 p m—4-H Foods Leader Training, Farm and Home Center.

8 00 p m—Red Rose 4-H Baby Beef and Lamb Club meet, Farm and Home Center.

Thursday, May 8

7 30 p m—4-H Adult and Teen Leaders meet, Farm and Home Center

8 00 p m—Lititz-Manheim 4-H Club meets, Fairland School.

**Freezing Boar Semen Studied**

Researchers are analyzing the fat composition of boar semen for hints on why the semen will not withstand freezing.

Frozen bull semen shipped from collection centers to cattle breeders in all parts of the world has, for many years, done much to improve dairy cattle. The swine industry has hope for a similar benefit from frozen semen, especially with the recent success in obtaining synchronized estrus in sows (ARG RES, Sept 1965, p 3).

Although unfrozen boar semen has been used successfully, it deteriorates rapidly, so only about one-tenth of one percent of the 15 million swine matings done yearly in the U.S. are made by artificial insemination. Attempts to handle boar semen like bull semen — by freezing, thawing, and then inseminating it — have not yet succeeded because after freezing, boar semen does not fertilize the egg.

ARS biochemist L. A. Johnson has been pursuing a chemical study of boar semen at Beltsville, Md., for the past 2½ years with cooperation from physiologists R. J. Gerrits of ARS and E. P. Young of the University of Maryland, College Park. Attention centers on fats, or lipids, which are interlaced with protein to make up a large proportion of the outer membrane of the sperm cell.

By their location, lipids influence the permeability of the membrane to chemicals, such as those used to preserve semen; and they may help protect the sperm cell against adverse conditions, such as freezing.

Johnson has pretty well finished typing the lipids. As in most species, about 70 percent of the fats are phospholipids — a group of about eight so named

because they contain an atom of phosphorus

Boar sperm cell phospholipids proved unusual, however, because they contain a high proportion of unsaturated, long-chain fatty acids, the building blocks of lipids. In most animal tissue, the average level of unsaturated fatty acids with as many as 22 carbons in a chain is 5 to 30 percent. But in the boar sperm cell, the proportion of unsaturated fatty acids containing 22 carbons is nearly 60 percent. Whether this unusual makeup is related to the sperm cell's freezability remains to be seen.

Knowing these intricate details about lipid composition, Johnson is now going on to freeze boar semen and to determine changes in the proportion and amount of its phospholipid and fatty acid composition. Some of the components may be chemically altered, but more likely, Johnson says, the freezing process sloughs off some of them. When he knows which critical lipids are lost, research can be designed to find ways to avoid this loss.

**Local Hatcherymen Attend Sales Workshop**

Russell Mease, Manager, and Mr. Paul Covell, Salesman, of Babcock Hatchery, Inc., Lititz, recently completed a week long marketing workshop held by Babcock Poultry Farm, Inc. in Ithaca, New York.

Members of Babcock's research staff discussed the techniques used in making the Babcock B-300 Leghorn the most popular layer in the world today. Discussions were also carried out in production management, business management, industry economics and marketing.

During the Awards Banquet on the last night of the affair, Mease and Covell were presented plaques indicating their successful completion of the Babcock Workshop. This is one of the services offered by Babcock to assure poultrymen that their local distributor of Babcock layers is up-to-date with the latest information and methods

**What Happens**  
(Continued from Page 1)

the disposition of the animals. Game Commission Law Enforcement Chief James A. Brown said that whitetails killed on highways fall into one of three classifications fit for human consumption, unfit for human consumption but usable, and unfit for consumption and unusable.

Deer which are fit for consumption are delivered by game protectors to charitable institutions or other charitable agencies, in accordance with provisions of the Game Law.

Brown said that deer which are unfit for human consumption but are usable may be given to hide and tallow companies, public fish hatcheries, fish hatcheries supported by sportsmen's organizations, animal shelters and zoos maintained by public funds and/or animal shelters maintained by donations. Permits are issued by Game Commission specifying how the carcass is to be utilized within a certain time period.

Deer which are unfit for consumption and unusable are buried at designated sites under regulations established by the Pennsylvania Department of Health.



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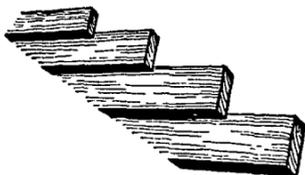


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