

● **Stream Map**

(Continued from Page 1)
 ology at Penn State, who produced it. The map took three years to prepare.

Professor Higbee says the stream map is ideal for sportsmen, foresters, and workers in land-use planning and watershed associations. He describes it as highly accurate for anyone desiring information about streams and landscapes of Pennsylvania. The map can be purchased for \$1.00 a copy by writing to Maps, Box 6,000, University Park, Pa. 16802.

Boundaries of primary and secondary watersheds are shown in addition to swamps, lakes, dams, and reservoirs.

The base map assembly was from U. S. and Pennsylvania Soil Survey Maps and other unpublished surveys made from 1900 to 1963. Locations of several dams, lakes, and reservoirs were obtained through the courtesy of Army Corps of Engineers, Pennsylvania Game Commission, Pennsylvania Fish Commis-

sion, Pennsylvania Department of Forests and Waters, and the Pennsylvania State Geological Survey.

The map is about three feet high and five feet wide. Populations of towns and cities from under 250 to over 100,000 are indicated as taken from the 1960 U. S. census.

● **ABC**

(Continued from Page 1) through Atlantic's service program.

According to Harry Roth, Director of Breed Programs at ABC, this greatly enlarged selection results from Atlantic's membership in the United Semen Exchange group. This unique organization includes eight other A. I. Cooperatives serving dairymen in Midwestern and Southern states.

Roth says United's purposes are to increase the use of genetically superior sires, offer a broader selection of sires to dairymen in member organizations, and reduce the capital expenditures for pro-

viding this selection.

These objectives are carried out through bulk semen sales between member studs at reduced rates. Normal semen collection and processing procedures are followed by all U.S.E. studs, but only semen produced in excess of the home cooperative's needs to fill members' requests is available to other organizations.

Another feature of the Exchange organization, Roth points out, is that member studs maintain independent stud operations while working together in sire purchases and young sire proving. This way, he explains, dairymen maintain control of their local Co-operative while benefiting

from the greatly enlarged selection of sires.

● **Record Breaker**

(Continued from Page 1) again as the top junior two-year-old in the yearly, 2X milk division. Her 12-month lactation stands at 28,360 lbs. of milk and 870 lbs. of butterfat. This is a first place official lactation for milk on a national basis; a first for milk and third place butterfat record in California.

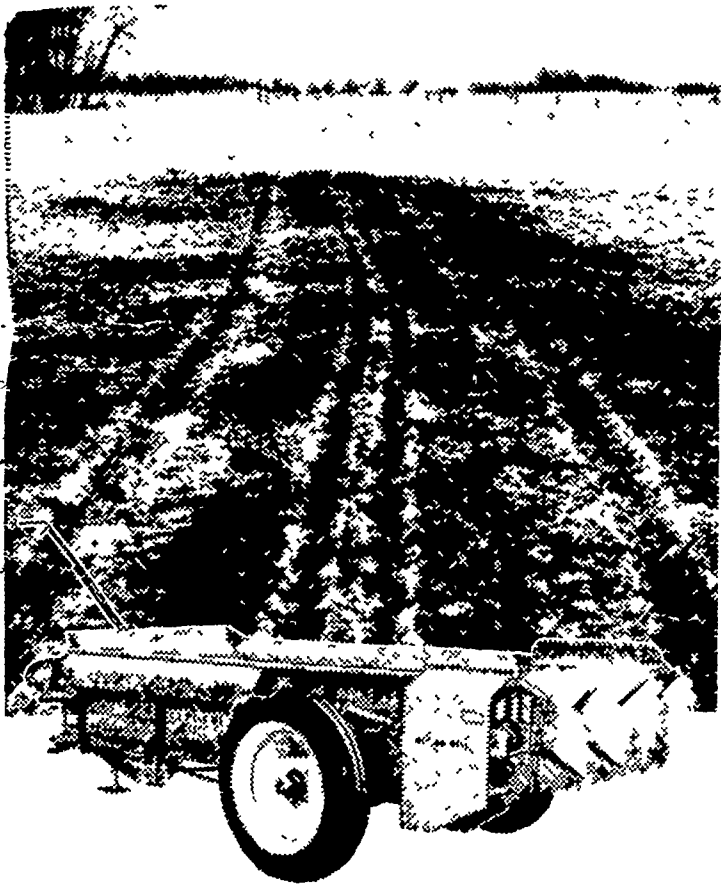
"Beauty" was bred by George G. Welter, of Los Angeles, California; she came into the Hollingsworth herd a few weeks before starting her double victory lactation. She was sired by Wis Captain (EX-

GM) and is out of the dam Beaucrest Belle Star Rosa.

On the Holstein production leaders list for junior two-year-olds milked twice daily, "Beauty" displaces former record holder Oregon Baron Louise, owned by Oregon State University at Corvallis. Her record stood at 25,410 lbs. of milk and 970 lbs. of butterfat.

"Beauty's" tenmonth lactation capped her age and milking frequency group at an even 24,000 lbs. of milk and 748 lbs. of butterfat. The new national milk records for this 2X age group were completed under DHR production testing supervision.

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