

ADC Drops Capital Retain For New Members

COCHRANVILLE — Beginning May 1 the Atlantic Dairy Cooperative will no longer require new members to pay the 10-cent capital retain.

Director Harry Bickel made the announcement at the District 15 meeting of the co-op held Tuesday in Cochranville. He noted the board members made the decision at the April meeting of the co-op. The prime reason for the decision, he explained, is to attract new shippers to meet new supply contracts.

"We do need milk," Bickel said. Atlantic has received a contract for 10 million more pounds of milk from Johanna Farms, he said.

Bickel reminded the group that milk quality begins on the farm. He explained that speakers at the

recent annual meeting of the National Mastitis Council said there are things that get into the milk on the farm that can't be pasteurized out.

Fieldman Jim Hassinger stressed milk quality to the group and noted that by keeping their milk clean, dairymen can qualify for the 10- and 20-cent quality premiums.

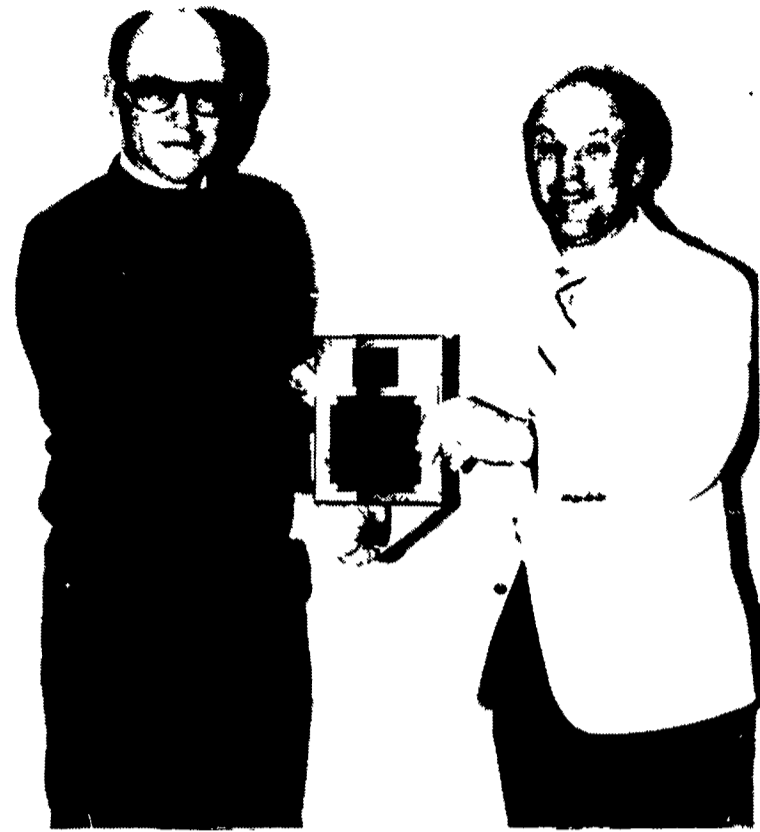
He urged dairymen to keep antibiotic milk out of the tank for an extra day. The Charm II test is very effective in detecting trace amounts of sulfur drugs, he cautioned.

In District 15 two locals were combined this year. Barclay Hoopes Jr., District 15 president, said the Avongrove-West Chester

and Coatesville locals have been combined to form the Southern Chester County local.

Elections for the local were held Tuesday evening. New officers for the local are: Dan Miller, president; Gerald Neal, vice president; Elmer Mast, secretary-treasurer; Richard Hostetler, Leroy Martin and Dale Hostetler, delegates; and Tim Kauffman, Joe Lusby and Bill Moore, alternate delegates.

Three farm owners were recognized for 25 years of membership in the former Inter-State Milk Producers Cooperative — Landis and Barbara Reid, Parkesburg; Anthony and Elizabeth Dinunno; and Ben B. and Elizabeth Stoltzfus, Coatesville.



Landis Reid (left) receives a plaque from director Harry Bickel for 25 years of membership in the former Inter-State Milk Producers Cooperative.

Microbiologists Develop Ultrasensitive Soil Bacteria Test

UNIVERSITY PARK, Pa. — Penn State microbiologists have developed a new technique for detecting and counting very low numbers of specific bacteria in soil.

The technique, which the developers believe is more sensitive than any now available, could become an important tool in environmental monitoring since it can be used to detect any soil or water bacteria, including new genetically engineered organisms.

The method can detect and count some bacteria in concentrations as low as 10 to 100 bacteria per gram of soil.

Dr. L.E. Casida Jr., professor of microbiology, and Dr. N.S. Makkar, a postdoctoral fellow, developed the technique which is detailed in the April issue of Applied and Environmental Microbiology in a paper "Technique for Estimating Low Numbers of a Bacterial Species Strain(s) in Soil."

According to Casida, "the

technique is based on the fact that certain viruses, called phages, are highly specific in the types of bacteria they will attack.

"If you want to be able to detect specific organisms regardless of all others present, you need extreme specificity," he said. "Phages usually attack just one species or just one strain of that species. Usually it won't go beyond that species and attack some other organism."

"The technique that we developed involves the addition of small, but known, numbers of phage to soil which has been diluted with water containing some nutrient."

"If the bacterium of interest is present in the dilutions, it will be attacked by the phage causing an increase in phage plaque forming units which can be detected by a standard test."

Casida believes that the technique can be used to follow any bacterium in nature. For example, he said, "Supposing somebody

wanted to know how many Legionnaire's Disease bacteria there are in soil or water in a particular location.

"Now, Legionnaire's Disease bacteria are quite difficult organisms to grow and handle, but I suspect that you could use this technique and actually detect and quantitate those organisms even at very low levels."

"I believe you could go after any pathogen in nature this way to see what its normal numbers were and whether the numbers would change if you did something to the environment."

"For example, if you started dumping chemical waste on soil, you could use this technique to monitor the effect on the numbers of any organism of interest in the soil."

Casida believes the technique could also prove useful in

(Turn to Page A39)

Major Dairy Sales And Dispersals Nationwide



(Continued from Page A34)

Medal Dam by Glendell, owns a top record of 32,751 milk with a lifetime record of 183,000 milk. The second dam, an Excellent Fond Matt daughter, produced a lifetime record of 139,000 milk.

About 70 milk cows sold for an average price of \$2,119; 27 head sold over the \$2,500 mark.

Jim Cooke Jr. and Keith Stump shared the auctioneering assignment. Premiere Associates managed the sale.

PUBLIC SALE

OF
ANTIQUES AND COLLECTIBLES

at Kauffman's Community Center, Franklin Co., located 7 miles S. of Chambersburg, Pa. Turn left off Route 11 at Cross Rd. Dairy or N. of Greencastle, Pa. turn right off Route 11 at Dairy on:

WEDNESDAY EVENING, APRIL 29, 1987

at 5 P.M.

FURNITURE: Cherry Dutch cupboard base, 3 drawer; Cherry bookcase desk top; 4 cherry arrow back chairs; poplar wardrobe; Empire chest of drawers; Walnut corner cupboard w/arch door (Smith); oak bow front china closet w/claw feet and mirror; oak Hoosier kitchen cupboard; oak table; Nice oak hall-tree w/mirror; Walnut marble top washstand; White washstand w/hand-painted flowers; Softwood washstand; Chestnut washstand; Ice cream parlor table and 2 chairs; 3 pc. parlor set, excellent cond.; oak Victorian carved rocker; oak rocker; wicker chaise lounge; child's chairs; flour and sugar bin; wicker baby crib; plant stands; oak chairs; nice Columbia victrola; etc.

GLASS AND CHINA: Gaudy Dutch King's rose teapot; Gaudy Welch cup plate; blue sponge ware; yellow ware; good pieces of Ironstone; Kerosene lamps; bone china c/s; luster teapot; pear point vase and plate; pressed glass; cut glass; pitcher; set of dishes for 12; 4 luster c/s; souvenir pieces; good depression; set of blue Madn'd; etc.

MISCELLANEOUS: Oak wall telephone; copper apple butter kettle; iron kettle w/3 feet; stirrers; baskets; N.Y. cylinder butter churn w/cow on side; mantle clocks; large Wallace nutting picture; other pictures; primitives; Big and Little Ben clocks; old crocks; leaded light; books; teddy bear; Agate - blue, green, red, gray; sheet music; Bean bottles; tins; newspapers (Civil War); Santas; cameras; lap boards; 6 Stieff rose teaspoons (sterling); oak frames; egg basket in good shape; large broad axe; 2 gal. crock with blue flowers; 2 gal. jug - blue & gray; 20 gauge shotgun; etc.

DOLLS AND QUILTS: Orig. Grace Puttman bisque doll; tin and bisque dolls; Russian doll; toys; baby quilts; very good turn of century quilt; other quilts; etc. Jewelry- 18 rings, 14 K gold watches and chains; etc.

TERMS: CASH

Good Food Available

Doors open at 3 P.M. Plan to attend this good sale!

For more information call:

MARVIN G. AMSLEY, AUCTIONEER

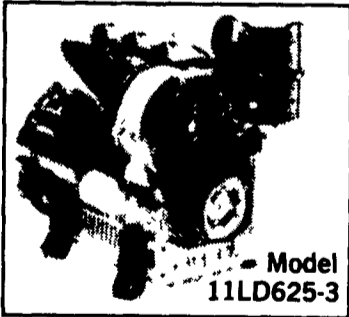
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