

Longwood Program Fellowship Winners

The Longwood Program in Ornamental Horticulture at the University of Delaware has granted five two-year fellowships, according to Dr. Richard Lighty, Program Coordinator. The program, financed by a grant from the Longwood Foundation, Inc., utilizes the staffs and facilities of the College of Agricultural Sciences at the University and those of Longwood Gardens.

Longwood Program fellows participate in the Museum Studies courses in management of cultural

properties, studying with Winterthur and Hagley Program fellows. Both the summer internships at Longwood Gardens and the academic-year courses at the University stress the role of the graduate in the community. The program is designed to give scientifically or commercially oriented graduates a background of practical experience and management skills. Effort is focused on upgrading the level of general horticulture through such institutions as botanic

gardens and arboreta, as well as schools and children's programs, adult garden programs, and teacher training.

The five fellowships have been awarded to: Donald R. Buma, North Andover, Massachusetts; Sherry J. Peck, Northampton, Massachusetts; Eric Tschanz, Miamisburg, Ohio; George U. Wise, Glenolden, Pa.; and Roberta J. Sladky, Edina, Minnesota.

Donald R. Buma is a graduate (AB) of Stockbridge School of Horticulture of the University of Massachusetts and the University of Massachusetts (BS). Buma has served as Area Superintendent for the Trustees of Reservations in North Andover, Massachusetts.

Sherry J. Peck is a graduate of Smith College (BA) in Biology and Music and is presently a graduate student in plant science. She has worked for the past year at the Smith College Botanic Garden.

Eric Tschanz is a graduate (BS) of Ohio State University in Horticulture. He is the Superintendent of the Cox Arboretum in Dayton, Ohio.

George U. Wise graduated (BS) from Loyola College in Baltimore in Biology and received an MS in Entomology from North

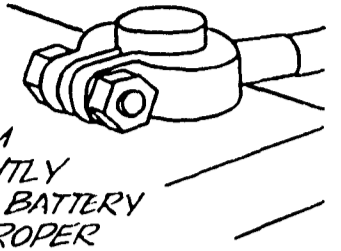
Carolina State University in Raleigh. He has served as an entomologist at the United States Naval base in Philadelphia since 1969 and has taught courses at Morris Arboretum of the University of Pennsylvania and the Scott Foundation at Swarthmore College.

Roberta J. Sladky graduated from the University of Wisconsin (BS) in Horticulture. She is presently working at Bachmans Nursery in Minneapolis where she has designed systems for reorganizing and streamlining the flow of nursery orders information.

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Planning, Hard Work Bring Dairy Success

[Continued from Page 1]

their feed supplier, Agri-King, who also tests their feed every two weeks.

"We've got to keep testing all the time," Donald pointed out. "As the silo empties, the quality of the feed changes. If we tried to supplement on the basis of one test when we first open the silo, that test wouldn't be any good when we got to the bottom. We test often, we adjust the ration when we need to and we keep production up where it should be."

There are two rations for the Bollinger herd, one for cows producing over 40 pounds per day and one for cows under 40. And the cows have been getting good feed out of the silos. This year's first cutting of alfalfa haylage tested at 18.36 percent protein, and the corn silage has been running at 7 percent.

Another factor in their success, both Bollingers feel, is the mastitis control program they've been on since January of this year. The program they're in is somewhat controversial, and was begun several years ago by Dr. Burleigh Anderson, a Perry County veterinarian.

As their production increased, so did the Bollingers' mastitis problems. "High production," Harold said, "is the one biggest stress you can put on a cow. We checked our milkers out, we changed them, and we just couldn't get the mastitis whipped. But now we've got it under control."

Anderson's method involves testing every quarter in every cow for mastitis. From these tests, Anderson cultivates a vaccine to treat any staph or coliform organisms present in any particular herd. Theoretically, these vaccines could be used in other herds, but they work best in

the herds they're designed for, because the vaccine acts on the specific organisms that are troubling that herd. Any staph infections are treated with penicillin, but the Bollinger cows didn't need that treatment.

The years of hard work and planning are beginning to pay off for the Bollingers, who formed their partnership in 1968. One of their two-year-olds is expected to tally a 24,000 pound milk, 700 pound fat DHIR record when her lactation is ended. Another cow is heading towards the 30,000 pound mark for the second year in a row, a feat that's been ac-

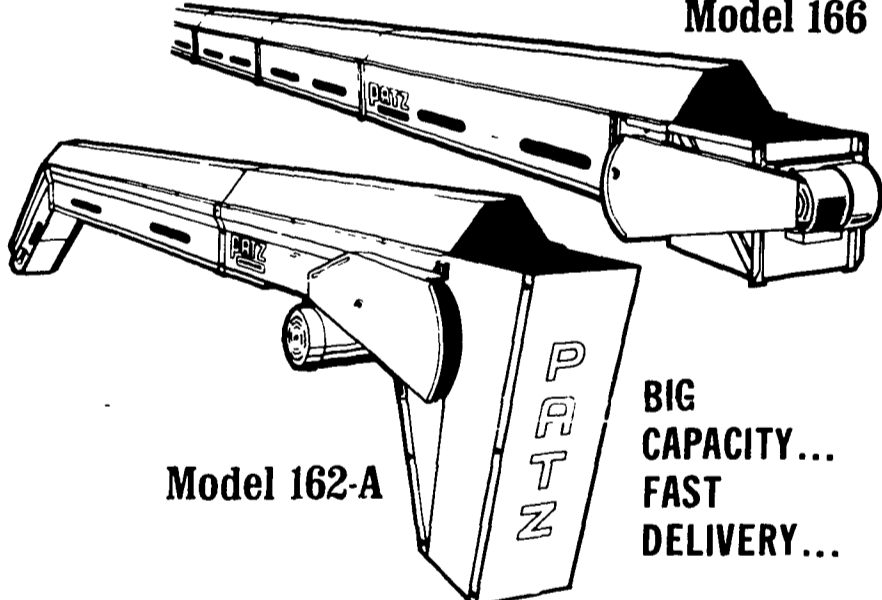
complished by only a relative handful of cows in the entire country.

So, in addition to better returns from better producing cows, the Bollingers are looking forward to selling some breeding stock in the years ahead.

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