

BIBLIOGRAPHY (Cont.)

- (16) Beaudette, F. R. and Hudson, C. B. 1936—An Outbreak of Acute Swine Erysipelas Infection in Turkeys, Jour. Amer. Vet. Med. Assoc., Vol. 88, N. S. Vol. 41, No. 4, pp 475-487
- (17) Madsen, D. E. 1937—An Erysipelas Outbreak in Turkeys, Jour. Amer. Vet. Med. Assoc., Vol. 91, N. S. 44, pp. 206-208
- (18) Van Roekel, H., Bullis, K. L. and Clarke, M. K. 1938—Erysipelas Outbreaks in Turkey Flocks, Jour. Amer. Vet. Med. Assoc., Vol. 92, pp. 403-418
- (19) Hoffman, H. A. and Hinshaw, W. R. 1938—Erysipelas of Turkeys, Poultry Science, Vol. 17, pp. 443
- (20) Jungherr, E. and Gifford, Rebecca 1944—Three Hitherto Unreported Turkey Diseases in Connecticut—Erysipelas—Hexamitiasis—Mycotic Encephalitis, Cornell Vet., Vol. 34, No. 3, pp. 214-226
- (21) Lindemeyer, J. E. and Hamilton, C. M. 1942—Treatment of Swine Erysipelas in Turkeys with Serum from a Turkey Infected with *Erysipelothrix rhusiopathiae*, Jour. Amer. Vet. Med. Assoc., Vol. 100, pp. 212
- (22) Grey, C. G. 1947—Penicillin in the Treatment of *Erysipelothrix rhusiopathiae* Infected Turkeys, Vet. Med., Vol. 42, pp. 177-178
- (23) Eveleth, D. F. 1950—Sinusitis of Turkeys, in press Proc. N. Dak. Academy of Science
- (24) Grey, C. G. 1947—Streptomycin in the Treatment of *Erysipelothrix rhusiopathiae* Infected Turkeys, Vet. Med., Vol. 42, p. 216
- (25) Van Es, L., Olney, J. F. and Blore, I. C. 1946—Studies on the Validity of Swine Erysipelas Culture-Vaccines, Research Bulletin 145, Univ. of Nebraska, College of Agriculture Experiment Station
- (26) Van Es, L., Olney, J. F. and Blore, I. C. 1940—Some Factors Influencing Swine Erysipelas Prophylaxis; Proc. of 44th U. S. Livestock Sanitary Association
- (27) Holm, G. C., Griffith, R. L., Jr. and Beeson, W. M. 1942—Chronic Swine Erysipelas, Vet. Med., Vol. 37, No. 3, pp. 123-127

ACKNOWLEDGMENT

The authors wish to express their appreciation to Fort Dodge Laboratories, Inc., Fort Dodge, Iowa; Wyeth, Inc., Philadelphia; and Merck and Co., Rahway, New Jersey, for their assistance in conducting this investigation.

LATEST ON CROSSBRED DAIRY COWS

Many agricultural workers have seen the herd of crossbred dairy cows at Beltsville. Latest reports from the herd show continued improvement. Average production for 54 two-breed cows at slightly over two years of age was 13,006 pounds of milk and 585 pounds of butterfat. They beat their straight-bred dams by 2,868 pounds of milk and 143 pounds of butterfat. Forty-five of the 54 topped their mothers on milk and 51 on fat. Average for 41 three-breed cows was 13,465 pounds of milk and 606 pounds of fat. This was an increase over their two-breed dams of 367 pounds of milk per cow and a decrease of one pound of fat. These results show that a high level of production may be reached in a comparatively short time and maintained by following a cross-breeding program in which proved sires are used—USDA.