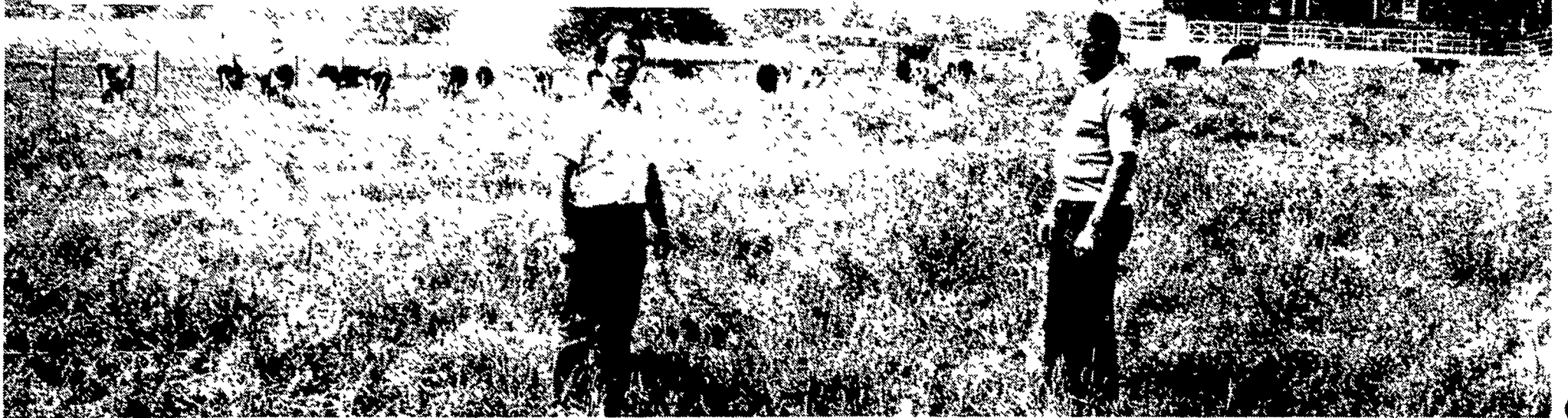


Dr. Alan McCauley, left, and M. Robert Young are two of the nine men who work at Via Pax, U.S.A., an embryo transfer business in northwestern Lancaster County. McCauley is technical director while Young is director of marketing. In the background are 31 heifers which were recently implanted with the fertilized eggs from some of top cows in the United States.



The female version of A.I.

Embryo transfers are making it possible for one cow to have dozens of offspring

By DIETER KRIEG RHEEMS - Dairymen with top quality cattle have a relatively new concept to consider which can significantly increase the

number of offspring they might get from their best cows. Although the practice - known as embryo transplanting - is rather costly, it's now possible to have

dozens of calves from a top cow. The economic returns can be just as astounding, despite the relative costliness of the procedures involved. Consider, for

example, that the breeder has a cow whose bull calf is worth \$5000. Ova transplanting can increase such sales potential ten-fold and more.

There are now about 15 embryo transplanting companies in the United States, all of them having come into existence since 1972 when the idea of embryo

transfer first became available in North America. One of these firms is Via Pax, Inc., a division of Via Pax International. It has one center of operations in Milan, Italy, another at Woodbridge, Ontario, and a third in northwestern Lancaster County, near Rheems. While interest in embryo transplanting was

slow at first, it is growing rapidly and it's expected that in many respects it will parallel the path of artificial insemination.

One of the recently heralded milestones which is boosting interest and success in embryo transplanting is the frozen embryo technique. As was

(Turn to Page 23)

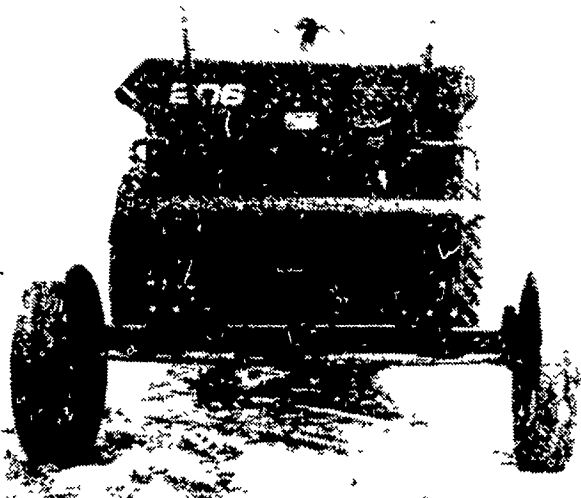
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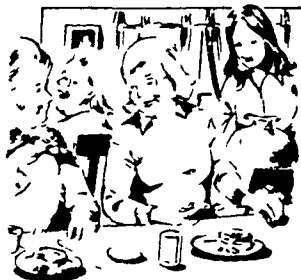
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