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Dairy heifer abnormality publication available

UNIVERSITY PARK - Genital abnormalities for 10 to 20 per cent of the failures of dairy heifers to conceive after four or more breedings, according to experiments at The Pennsylvania State University. The findings of Dr. Tsuneo Y. Tanabe and Dr. John O. Almquist, dairy physiologists at Penn State, are supported by studies among other scientists.

These studies of subfertile dairy heifers are published in "Gross Genital Abnormalities in Dairy Heifers," a bulletin that has gained an international reputation for thoroughness of subject matter and high quality of color illustrations.

The bulletin features 24 color plates showing various genital abnormalities. Cooperating on the project at Penn State were the departments of dairy science, bacteriology, and veterinary science.

Since it was published in 1967, requests for "Gross Genital Abnormalities"

have come to Penn State from many parts of the world. It summarized the incidence, type, and severity of gross abnormalities of the reproductive system among the 180 subfertile dairy heifers which have failed to conceive upon repeated breedings. The heifers ap-

peared essentially normal upon clinical examination.

The publication is available for \$3 plus 18 cents state sales tax from Box 6000, The Pennsylvania State University, University Park, PA 16802. Make checks or money orders payable to The Pennsylvania State

University.

In addition to the Penn State findings, "Gross Genital Abnormalities in Dairy Heifers" reviews most of the research reports dealing with reproductive abnormalities in dairy cattle in the United States and foreign countries since 1924.

Japanese student

(Continued from Page 129)

She admits though, that "while I really like the farm, I don't like to work!" Masayo says her father was dismayed when he heard that comment.

"We are not allowed to drive a car here; they will send us back immediately if we do," notes Masayo, who did learn to drive the farm tractor during her stay. Another annual farm chore that fascinated her was the "butchering."

Food is another major cultural adjustment faced by the exchangees, but Masayo

found little problem there and indicates that she likes just about everything.

"Except root beer - it tastes like medicine!" she says, wrinkling her nose.

"Beefsteak," on the other hand, was a winning favorite food, with Masayo adding that it is rare in Japan to have meat served by itself. Usually meats arrive at the table as an ingredient in a dish including vegetables and rice is a diet mainstay. Foods are generally more salty and spicy, compared to the American sweet tooth complex, which Masayo suspects she may miss for awhile.

"I gained ten pounds," the petite young lady confides.

But some things are common to both countries, blue jeans, for instance, and fast food chains like Ginos and McDonalds. The burgers in Japan, though, have a different taste, recalls Masayo, who speculates that, in her oriental country, pork may be a portion of the mixture of the franchises' ground meat.

The Detter family is deeply involved in 4-H activities, with Ailean a leader, Susan a national breads category winner and David enrolled in a variety of projects. Masayo attended 4-H events and took part in a variety of school and community programs. A guitarist, she has also sung with the "Hosanna Gospel Singers."

Remembering one 4-H event sets the family to laughing. The day after Masayo's arrival last July, she and Susan were to leave for Penn State with a

busload of county 4-H'ers to attend State Days. Japanese customarily remove their shoes outside of the home; and Ailean feared that Masayo, who had left the house shoeless to catch the 4-H bus, planned to go to the University in bare feet. Though language communication was still a real barrier that first day, the shoe problem was solved and Masayo boarded the bus completely shod.

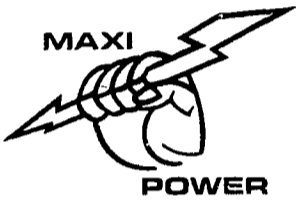
While she did study English for five years, actually speaking and understanding it for the first few months was the most difficult problem Masayo encountered.

"I still don't understand some words," Masayo worries.

"Very few!" interjects her American mother.

A cultural exchange has been growing between the two families from opposite sides of the world and boxes of typical "goods" have been shipped and shared. Masayo's mother has made lovely kimonos for all the Detters, while Ailean, an accomplished artist, has sent paintings to the Japanese family.

The Detters are enthusiastic travelers and arranged that Masayo's stay would include visits to Maine, the New England states, Ohio, Virginia and Florida. Future travel plans include a chance for the American and Japanese families to get acquainted face-to-face, with arrangements for a visit with Masayo's parents scheduled sometime in the future.

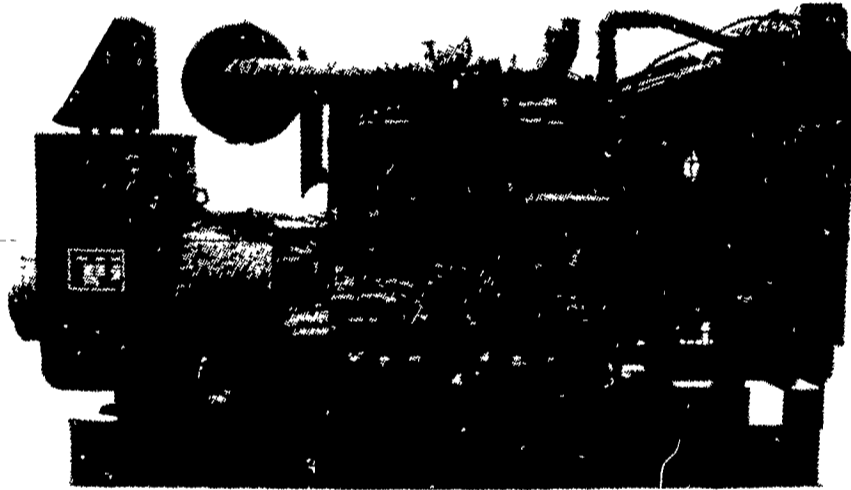


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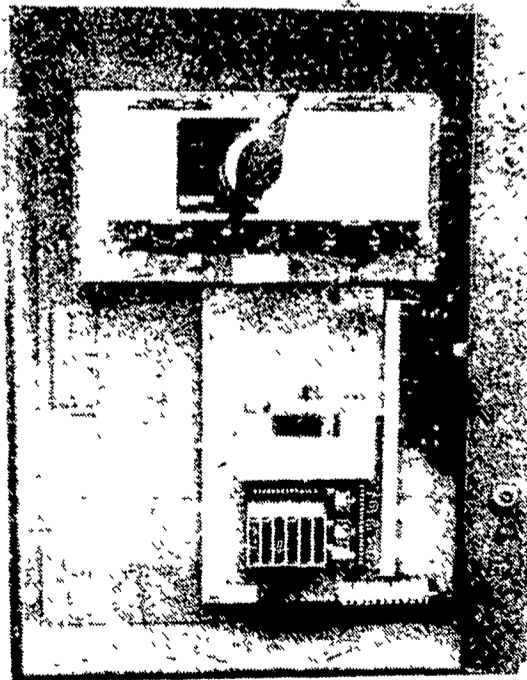
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