

New Cattle Microbe Named For OSU Scientist

WOOSTER, Ohio — Billions of creatures — natural, needed microbes — live in the innards of cattle. But they're known to only a handful of people. One of them is Burk Dehority, a scientist with Ohio State University.

Dehority, of the university's Ohio Agricultural Research and Development Center in Wooster, is an expert in rumen and gastrointestinal microbiology — the study of microbes that live in the guts of herbivores, or plant-eating animals. Among his subjects are cattle, sheep, kangaroos and quokkas.

The quokka, an endangered Australian marsupial, is downright abundant compared to the number of scientists like Dehority: worldwide maybe a dozen.

So when Turkish scientists discovered an unknown protozoa in the rumens of their cattle, they knew who to turn to: Dehority, who in the course of his 45-year career has described and named 21 new species. He sent the researchers photographs of a species that appeared to be a match, one he had found in Alaskan Dall sheep. They used the photos to identify the microbe.

In subsequent studies the scientists found and described a new species. It, too, was a protozoa that lived in the rumens of Turkish cattle. The researchers thanked Dehority for his previous help by naming the species after him: *Eudiplodinium dehorityi*. Details

are in a recent issue of the journal *Acta Parasitologica Turcica*. The researchers work at Turkey's Ege University.

The new species is of interest because its physical characteristics fall between previously described species — a sort of "missing link" in rumen protozoa evolution.

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Farm Calendar

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Friday, November 16

Transition Cow Workshop, Cumberland County.

Tuesday, November 20

Reproductive Management Workshop, Lebanon County.

Wednesday, December 12

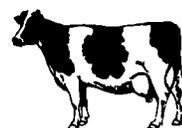
Pennsylvania Dairy Stakeholders Conference, Grantville, thru Dec. 13.

Computer Workshops, call Laura Watts, (717) 240-6500, 9 a.m. to 3 p.m.

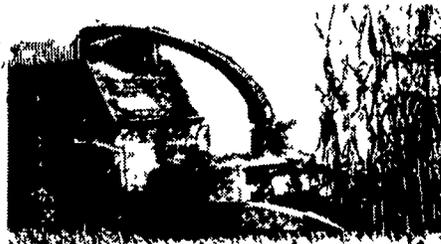
Windows II, York County Extension Office, thru Dec. 13.



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