

# PSU Scholars Chosen

UNIVERSITY PARK, (Centre Co.) — Penn State's Department of Dairy and Animal Science has chosen four young scholars to receive the John O. Almquist Graduate Student Research Awards. Harry Roth of Atlantic Breeders Cooperative, sponsor of the awards, made the presentations to Michele Lykos, Eric Kolver, and Theodoros Lykos, and Daryl Nash at a luncheon ceremony on October 21. All four are Ph. D. candidates in animal science. The purposes of the Almquist

Awards are to assist graduate students in conducting quality research, to encourage the development of quality research proposals, and to provide experience in writing competitive research proposals. At the ceremony, Professor Gary Rogers noted that the committee decided to present four awards instead of three this year because the proposals submitted were outstanding.

Michele Lykos's research topic is *The effect of insulin-like growth*

*factor II on f casein mRNA expression in comma-D cells.* Her advisor is Professor Craig Baumrucker.

Eric Kolver's topic is *Synchronizing ruminal degradation of pasture N with supplemental carbohydrate to increase pasture N utilization by high producing dairy cows.* Professor Lawrence Muller is Kolver's advisor.

Theodoros Lykos, whose faculty advisor is Professor Gabriella Varga, has chosen the topic, *Availability of nonstructural carbohy-*

*drates affects ruminal fermentation characteristics, blood metabolite concentrations, and nutrient uptake by the mammary gland in high producing dairy cows.*

Daryl Nash's topic is *Genetic improvement of mastitis resistance in dairy cattle: relationships among sire-predicted transmitting abilities for somatic cell score, daughter intramammary infections, and clinical mastitis.* Professor Gary Rogers is Nash's advisor.

All four recipients will present their findings in the department's Colloquium series during the semester their thesis is completed. Each student will receive funds to support research in pursuit of a

graduate degree.

John O. Almquist, for whom the awards are named, was on hand at the presentation to congratulate the winners. Almquist, who served on the Penn State faculty for nearly 40 years, retired in 1983. He joined the research faculty in 1944, six years before his creation of Penn State's Dairy Breeding Research Center. He received the 1981 Wolf Prize in Agriculture an award referred to as the equivalent of the Nobel Prize for his work in artificial insemination for livestock improvement. Many techniques Almquist developed for cattle have been applied to other species, including humans.

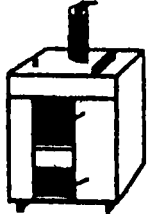


Harry Roth of Atlantic Breeders Cooperative presented the John O. Almquist Graduate Student Research Awards to four students in Penn State's Department of Dairy and Animal Science Graduate Program. In the photo from left, front row: Almquist, student advisors Craig Baumrucker and Gary Rogers, and Roth; back row: award recipients Daryl Nash, Eric Kolver, Theodoros Lykos, and Michele Lykos.

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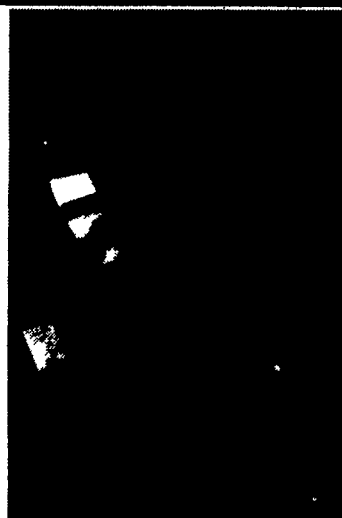


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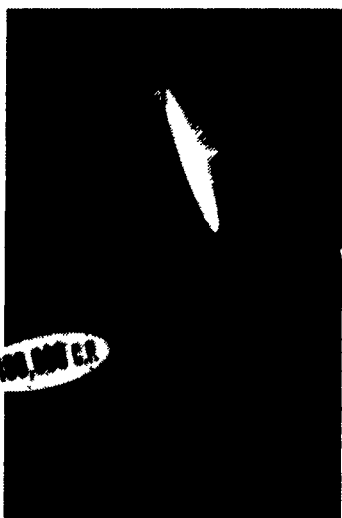
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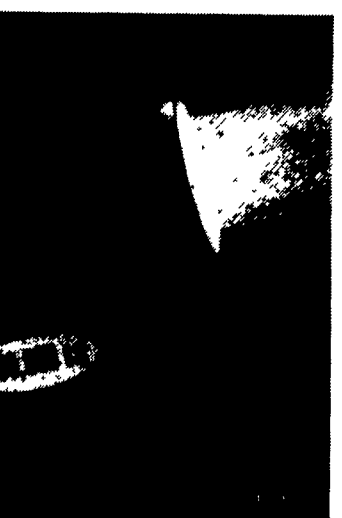
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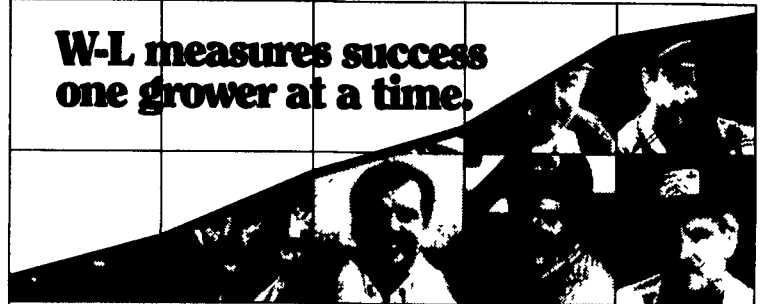
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