

Scholarship Fund Nears Goal

LANCASTER (Lancaster Co.) — The Clyde S. Robison Memorial Scholarship Fund established in Penn State's College of Agricultural Sciences has raised nearly \$23,000 of its first-year goal of \$25,000.

The Scholarship Committee, chaired by N. Alan Bair, is looking for additional contributions to fully endow the fund by year's

end. Achieving the \$25,000 minimum will allow the first scholarship to be awarded in September 1994.

The scholarship will benefit full time first and second year undergraduates in Penn State's College of Agricultural Sciences, with preference given to those who express an interest in farming as a career. Students who remain eligi-

ble may receive the scholarship more than once.

Robison was a Washington County dairy farmer, who was well-known throughout the state by his service in a wide variety of farm organizations. He died unexpectedly in 1992.

"The fund has been established in his memory to perpetuate the

ideals for which he stood — leadership, determination, and progressive agriculture," Bair said. "The committee is pleased with the response to the appeal for funds for the scholarship, and encourages individuals and organizations who have not contributed

to help meet the immediate goal for endowment."

Contributions may be sent to the Clyde S. Robison Scholarship Fund, 232 Agricultural Administration Building, University Park, PA 16802. Checks should be made payable to Penn State.

Poultry Pointers

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an inlet at the top of the opposite side-wall. A 1/5 scale model of the prototype was constructed of Plexiglas so that particle motion could be observed and filmed.

Small-scale models are advantageous because they can easily be modified and large amounts of data can be collected. Worley and Manbeck (1993) studied airflow through a caged-layer facility ventilated by negative pressure and ceiling inlets. The ceiling of the model was modified to study single slotted inlets, multiple slotted inlets, and porous ceiling inlets.

Figure 1 is a schematic of the multiple-slotted ceiling inlet system. Airflow over a typical cage row was modeled using FLUENT and compared to random particle tracks. Figure 2 shows predicted airflow patterns and random parti-

cle (dust) tracks for the best ceiling slot-inlet system. Figure 3 shows predicted and observed trajectories of particles for a typical wall slot-inlet system.

There are definite economic advantages to improved environmental control in livestock production houses. Decisions as simple as which baffles to open or which fans to run can have a tremendous impact on air quality throughout the production building.

Advances in computer technology allow for complex engineering models to be efficiently applied to problems like these. Agricultural and biological engineers, in cooperation with poultry management faculty at Penn State, are utilizing these tools effectively and are interested in making livestock production more profitable.

References

Maghirang, R. G. and H. B. Manbeck. 1993. Modeling particle transport in slot-inlet ventilated airspaces. Transactions of the ASAE 36(5):1449-1459.

Worley, M. S. and H. B. Manbeck. 1993. Modeling contaminant concentrations in ceiling inlet ventilation systems. Paper No. 93-3012, American Society of Agricultural Engineers. St. Joseph, MI.

Trade Agreements Raise Prospects

ANNAPOLIS, Md. — According to Maryland Secretary of Agriculture Robert L. Walker, the successful conclusion of the negotiations on the General Agreement on Tariffs and Trade (GATT) combined with the recent approval of the North American Free Trade Agreement (NAFTA) offer excellent prospects for the expansion of the exports of Maryland agricultural and food commodities.

"These trade agreements could not have come at a better time for Maryland food businesses. With Governor William Donald Schaefer's leadership, we have been working tirelessly during the last several years to make contacts

in the international marketplace. Our hard work has been paying off. Now with these trade agreements, there will be greater opportunities for growing overseas markets for what we produce in Maryland," Walker said.

"The GATT paves the way for the elimination of trade barriers around the world. Maryland food producers can look forward to having their products welcomed and available to consumers worldwide at a fair price," said Walker.

As Maryland's Agriculture Secretary, Walker has been a strong proponent of international trade. Under his leadership Maryland agricultural products are now exported around the globe. Examples include wine to Canada and Japan, apples to Venezuela, Christmas trees to Puerto Rico, corn meal and bakery products to the United Kingdom, fruit juices to Denmark, honey to Saudi Arabia and jams and jellies to the Caribbean and Central America.

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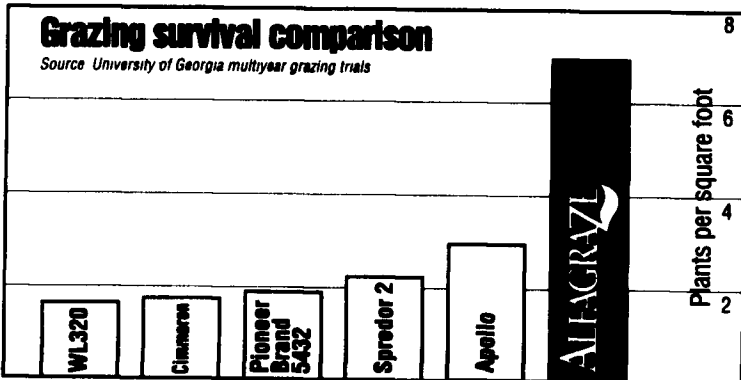


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