

Ag scholarships

(Continued from Page E7)

Palmyra, \$650, and Patricia J. Provost of Washington, \$500, from the Kurvin W. and Eva S. Lauer College of Agriculture Student Grants.

Celeste A. Miller of Coopersburg, \$150 from the David R. McClay Scholarship.

Anthony G. Stair of Hyndman, \$180 from the Morrell Smith Scholarship.

Christina L. Hartman of Carlisle, \$100, and Joanne P. Tannahill of Philadelphia, \$125, from the New York Florists' Club Awards.

Judy A. Howe of Erie, \$200 from the Alan Nutt Memorial Scholarship.

Mary B. Norris of Valencia, \$300 from the Pennsylvania Egg Marketing Association Scholarship.

Judy A. Howe of Erie \$100 from the Pennsylvania Farm and Garden Book Award.

Nancy J. Hefright of Johnsonburg, \$300 from the Pennsylvania Farm and Garden Scholarship.

Kathy J. Strock of Mechanicsburg, \$400 from the Pennsylvania Grassland Council Scholarship.

Robert R. Dobos of Meadville and Edward T. Dix of State College, each \$200 from the Pennsylvania Plant Food Education Society, Inc. Student Awards.

James L. Adams of Reading, \$600 from the Pennsylvania Poultry Federation Scholarship.

Timothy Brooke of Westfield and Carla Brumbaugh of Williamsburg, each \$475 from the Pennsylvania Rural Electric Association Scholarship.

Geoffrey Brink of Jamestown and Janet Kinnen of Pittsford, each \$150 from the Pennsylvania Seedman's Association Awards.

James N. Boyer, Tyrone, \$525, Jerre L. Creighton, Imbler, \$375, Thomas E. DeMeo, Kingston, \$500, Pamela J. Edwards, Palmyra, \$300, and Stacey L. Hazen, New Wilmington, \$300, from the Carl I. Peterson Memorial Scholarships.

Ina Richards of Mt. Jewett and Dawn Kauffman of Belleville, each \$500 from the William D. and Clara Calhoun Phillips Scholarship.

Donald A. Wilson of Sum-

merhill, \$400 from the Herman R. Purdy Award.

Mary B. Norris of Valencia, \$650 from the Ralston Purina Scholarship.

MaryJean A. Cybulski of Nanticoke and Mark A. Johnson of West Chester, each \$250 from the Norman C. Reber Scholarships.

Jerre L. Creighton of Imbler, \$325 from the Jesse Rossiter Rapp Memorial Scholarship.

Barbara A. Fair of Pitts-
burgh, \$250 from the Orvel and Jane Schmidt Forestry Award.

Lisa Boeringer of Selinsgrove and Thomas E. Gaul of Ellwood City, each \$700.

Keith L. Belli of Hatboro, \$550, from the School of Forest Resources Scholarships.

Robert L. Hocker, Cogan Station, Mark A. Johnson, West Chester, and Patricia J. Provost of Washington, each \$200 from the Jennie B. and James F. Shigley Pre-Veterinary Alumni Scholarships.

Catherine S. Dakan, Palmerton, Wendy L. Davidson, Harveys Lake, James F. Dostal, St. Marys, Sue E. Fritz, Stillwater, Randall L. Hamilton, Boiling Springs, Judy A. Howe, Erie, Gary L. Moyer, Richland, Irwin J. Slotnick, Colonia, and Mark S. Strefeler, Canonsburg, each \$325 from the Harry W. Skinner Scholarships.

Thomas H. Weber of Bethlehem, \$500 from the James B. Stere Memorial Scholarship.

Pamela D. Hess of Stillwater, \$1,000 from the Joe S. Taylor Memorial Scholarship.

Sue L. Mincemoyer of Winfield and Stephen D. Miller of Stroudsburg, each \$200 from the Two-Year Agricultural Business Awards.

Mark A. Johnson of West Chester and Madelyn Valchar of Lower Burrell, each \$500 from the United Farm Agency Scholarships.

Barbara A. Rosensteel of North Versailles, \$500 from the Two-Year Agricultural Class Memorial Award.

Elizabeth A. Dick of Hollidaysburg, and Joanne Tannahill of Philadelphia, each \$350 from the Darrell E. Walker Memorial Scholarships.

A second per bird needed for management

BY HERBERT C. JORDAN
Extension poultry specialist
UNIVERSITY PARK

The flock manager should spend about one second per bird each day observing each bird in the flock or handling birds, freeing caught birds, removing dead birds or improving ventilation, environment, caring for heat, feed or water and grit.

Let's look at cost and returns of spending one second of time per bird per day in the flock.

If you pay a person \$4 per hour to manage a flock of birds, then this is payment of 6.6 cents a minute, managers cost, and .11 cents per second of time spent.

So if you spend one second a day for 365 days for one layer-type bird you then spend 365 seconds per year at a cost of 41 cents per year per layer just to observe and manage the flock.

Last year poorly managed layer flocks earned 20 cents per layer per year net income to labor and management, while well managed flocks earned \$1.00 per layer per year, net in-

come to labor and management.

Therefore we see an 80 cent per bird improvement in income between poor flocks and profitable flocks.

So the question is, will you spend 41 cents per layer per year with the risk of earning 80 cents more per layer per year?

Let's look at pullets which grow for 20 weeks or 140 days at one second for flock observation per bird per day or 140 seconds at .11 cent per second cost of manager.

That's a total of 15 cents per pullet in the flock as management cost to look at birds, free caught birds, pull dead birds, care for needs of the bird in environment and nutrition and disease prevention or control.

Net income to labor and management per pullet can be 25 cents per pullet so the question is, can you spend 15 cents to earn 25 cents per pullet per batch?

Let's look at meat birds like roasters which grow to 10 weeks of age or 70 days at one second per day or 70 seconds per roaster as observation time of the flock manager.

This means if you observe each and every bird for one second per day during the growing period this costs you 8 cents per roaster to observe them for health, disease or parasites.

Pick up dead birds, weigh live birds, post dead birds so that you keep in touch with disease or health disorders.

The real question is, can you afford to spend 8 cents per bird to receive a better income when birds are sold?

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The real question is, can you afford to spend 8 cents per bird to receive a better income when birds are sold?

20 weeks of age or 140 days at one second to observe every bird for a second every day.

Thus he spends 140 seconds observing a 20 week old turkey; we therefore hire someone at \$4.00 per hour or .11 cents per second or we spend 15 cents more on every turkey on observation time.

So the question is, can you spend 15 cents per turkey to improve bird performance, to pick up and post dead birds, to keep feeders, waterers, environment and bird health perfect or as good as you can keep it?

Remember, the birds' performance pays the bills, the farmer only writes the checks.

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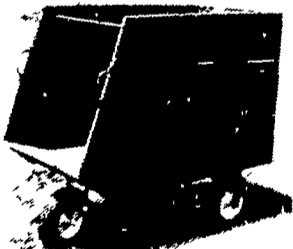
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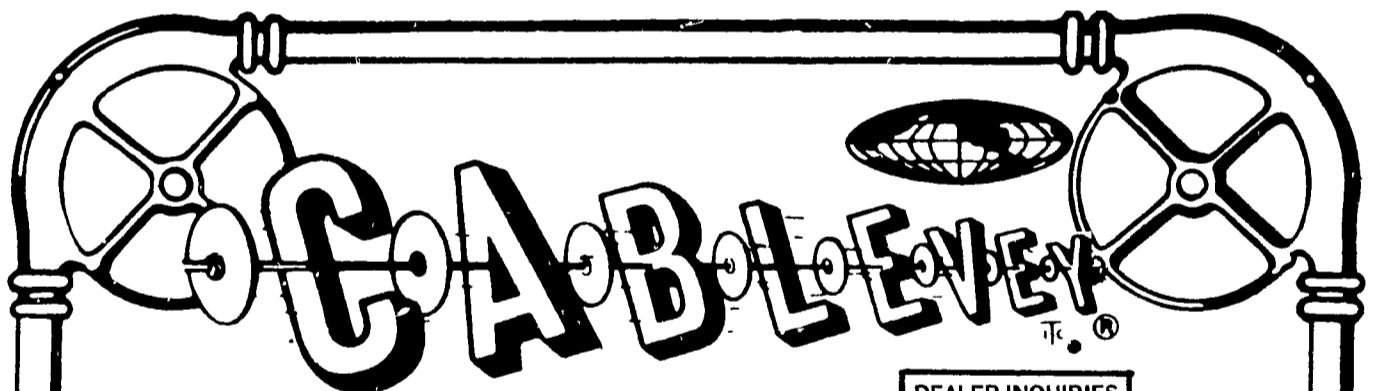
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