

Small Streams Are Not Drainage Ditches

UNIVERSITY PARK (Centre Co.) — Small streams are natural treasures, supplying some of our cleanest and healthiest water and feeding larger trout streams and rivers. Managing these small streams properly helps protect and improve the environment, said an aquatic ecologist in Penn State's College of Agriculture.

"People shouldn't be too quick to 'clean out' their small streams," said Dr. James R. Pratt, assistant

professor of aquatic ecology in the college's School of Forest Resources.

"They'll probably find some small fish in the pools that debris creates, and by giving the algae and microbes in the water a chance to break down fertilizers and other materials, they'll be helping the environment.

"Bacteria, algae and protozoa live in these streams and break down sewage and other organic

matter and take up nutrients from fertilizer runoff." Microbes help streams "clean" themselves, Pratt said.

"When sewage or chemicals enter a stream, the microbes function like a small treatment plant, feeding on the pollution."

Bacteria, molds and protozoa also feed on leaves, wood scraps and debris that fall into the stream. Microbes and the small leaf fragments left behind are eaten by larger organisms such as insects and fish.

An important way to care for a small stream is to leave intact piles of brush and logs that clog it. "These little dams help the stream and the environment in several ways," Pratt said. "Even insecticides and other chemicals can be broken down in small streams when the water pools up."

"These pools slow the water flow during rainstorms and stop contaminants, such as manure and fertilizer, from washing downstream." When water is retained behind debris dams, silt and sediment settle out. In turn, the nutrient-rich silt helps feed the microbes that break down leaves, pollutants and debris.

Pratt said this process also produces more and better food for fish in the stream.

"Holding back the water even slightly gives nutrients more time to be absorbed by algae and other stream organisms that the fish feed on," he said.

Damming also holds back damaging storm water. "The energy of water rushing downhill is diminished by the little debris dams," Pratt said. "This keeps the stream from cutting deeper into the ground and keeps the stream channel stable.

"Removing debris from a stream, particularly with heavy equipment, can cause erosion and other problems. This erosion can undercut culverts and bridge abutments, slump stream banks and destroy cross-stream fencing."

Pratt said that very large debris dams that cause flooding should be thinned, but not completely destroyed.

Public Auction

7TH ANNUAL SCHOOL
BENEFICIAL

AUCTION SALE

SATURDAY, OCTOBER 26, 1991
9:00 A.M. (D.S.T.)

LOCATION: From Pearson's Corner approx. 8 miles west of Dover, DE. Go north on 101 to 1st. Rd. (100) turn right go approx. 3 miles, Sale on Right! From Rt. 13 at Dover Plumbing light go west on Rd. 100 (Denny's Rd) approx. 3 miles, Sale on Right! From Rt. 8 at Mellon Bank light west of Dover, DE go north on Rd. 104 to Rd. 100 turn left, go approx. 1 mile, Sale on Left!

ON THE MELVIN A. TROYER FARM
SIGNS WILL BE POSTED!

Machinery: McDeering trashing machine, McCormick Deering No. 7 silo filler, left hand horse drawn plow, jump seat buggy, new road cart, Durbin, new fiberglass Durbin box, buggy wheels. Misc.: new 10'x12' playhouse, Majestic cook stove, oak bedroom suite, trundle bed, desks, chest of drawers, chairs, oak wall clock, wood planes, tool chest, crocks, jugs, 1 gal. churn, iron pots, hand made ladles & forks, apple butter stirrer, wood bowls, rolling pins, iron toys, banks, door stops, min. violin, frames, pictures, oil lamp, wall bracket oil lamp, lot of misc. glassware, cooking utensils, lot of misc. hand tools, motors, chain saws, lot of groceries, misc. household supplies, Mossberg 12 ga. pump shot gun, Thomson Center Hawkins .45 cal., Daisy BB guns, clover and timothy hay, straw, baled corn fodder. Quilts: peach & green medallion sampler (queen), navy & off white flower basket (queen), rose dresden plate (queen), 104"x110" water fowl, wild life (queen), 4 or 5 quilts made between 1890-1920 never used, off white loops and forget me nots, dusty blue swan & lilly pads, embroidered flower (queen), tan & yellow embroidered (queen), black & rose Colorado log cabin (king), blue & rose irish chain, log cabin star (queen), blue fresh water fish (queen), crazy patch in old fashioned silk prints, nave & rose trip around the world, off white in rose pattern, maroon, black, gold and brown railroad crossing, blue & dusty rose log cabin star (queen), crafts, stuffed monkeys. Livestock: Guernsey cow, calves, goats, 2 gilts due in Nov., 2 yr. old purebred Belgian filly (no papers), rabbit dogs, coon dogs, livestock, poultry, and many other items not listed in time to be included in this ad.

ORDER OF THE SALE: 9:00 A.M. - Wagons; 10:00 A.M. - Furniture; 11:00 A.M. - Field; 12:00 Noon - Guns; 1:00 P.M. - Quilts & Hay; Livestock Following Hay....

TERMS: Cash, travelers check, cashier check or check with current letter of credit from your bank.

Lunch will be served on the grounds along with a bake sale, homemade donuts, bar-b-que chicken. ALL commissions, lunch & bake sale benefits will go to the Amish School Funds.

Flea Market Space Available - Bring your own table. NOT RESPONSIBLE FOR ACCIDENTS OF ANY KIND!

CHECKS WILL BE MAILED AFTER NOVEMBER 1, 1991.

We wish to thank everyone for helping to make this sale such a success!

SALES COMMITTEE: Melvin A. Troyer, Raymond Detweiler, Allen A. Miller, John J. Hershberger, Sam D. Miller, Eli E. Mast. Auctioneering will be donated by Eugene Dill, Clarence Scuse, Dave Wilson.

YOUR COOPERATION IS
GREATLY APPRECIATED!

For Sale
Katahdin Hair Sheep
30 March born ewe lambs
Smooth hair coats
The sheep you never have to shear
or dock. Will cross with wool breeds.
Registered and non-registered prices.

Henry Licciardello
RD #2 Box 28
Swedesboro, NJ 08085
(609) 467-1165

SUPPORT FOR PRISON MINISTRIES

Eighth Annual Benefit Auction

We Care/Hopeway/Jubilee/Freedom Gate

FRIDAY, OCTOBER 25, 1991 6:00 P.M.

SATURDAY, OCTOBER 26, 1991 9:00 A.M.

LOCATION: Farmersville Auction, Farmersville, PA. East of Ephrata follow Route 322 to Hinkletown. At Martin's Bike Shop take Farmersville Road West, follow Farmersville Road approx. 3 miles to auction house on right. Watch for auction arrows. Farmersville, Lancaster County, Penna.



"GRIST MILL"

28"x52 3-Dimensional Handcrafted Painting
By Earl & Mary Sensenig, New Holland, Pa.



"COUNTRY AUCTION"

28"x51" 3-Dimensional Handcrafted Painting
By Zook's Studio, Myerstown, Pa

"VILLAGE AUCTION"

3-Dimensional Handcrafted Painting by Lorraine Reiff, Palmyra, Pa

FRIDAY, OCT. 25

4:00-7:00 P.M. Chicken B-B-Q

6:00 P.M. Winross and Toy Auction, Crafts Auction

100 Plus Winross Trucks 6:30 P.M.

Plasterer Equip; Black Bear Structure; Evergreen Tractor, Binkley & Hurst, Rohrer Transport; Martin Bike Shop; Walter Durlap Livestock, Stevens Feed Mill 25th Anniversary, D. M. Stoltzfus; Hatfield Quality Meats, Wilbur Chocolate, Weaver Nut Co.; Clay Trucking, Sico; Turkey Hill Dairy, Kountry Kraft Kitchen; Cloister Restaurant, Keller Bros. (set of 3), Kurtz Bulk Water, Mast Electric; Sensenig Roofing; Sensenig Feed Mill; Rohrer Hardware; Eastern Ag Service; Paul B. Zimmerman; Lanc. Co Poultry Assoc.; and many other Winross Trucks not listed. Ertl Toys & Banks; Matchbox Toys; Craft Items; Plants, Food Items also selling at Friday nights Auction.

SATURDAY, OCTOBER 26

6:00-9:00 A.M. Pancake and Sausage Breakfast

9:00 A.M. Auction begins — 12:30 P.M. 3-D Pictures

1:00 P.M. Quilts

50 Plus Quilts

Wallhangings, Comforts

Country Bride; Carpenter Wheel, Log Cabin; Dresden Plate, Grandmother's Fan, Friendship Knot; Trip Around the World, Lancaster Co. Rose; Shadow Star; Broken Star; Double Wedding Ring; Country Townhouses; Pin Wheel; Comforts; Crib Quilts; Wall Hangings; Pillows; Craft Items

New Items

Handcrafted Parlor Scene, Assorted Cabinets from Kountry Kraft Kitchen; 50 gal. Water Heater; Queen Size Box Spring & Mattress; Twin Size Box Spring & Mattress; 15 cu. ft. Freezer; Wheelbarrow; New Furniture; Lawn Furniture; Carpet; Lawn and Garden Hand Tools, Mikita Drill, Antifreeze, Oil, Hand Tools, Crocks; Load of Hay; Hardware Items; Food Items; Feed;

To be
Sold
at
12:30 P.M.

Dog Food and many other items. Certificates from local Businesses and Restaurants.

Specialty Items

1. Pedal Tractors — Large variety of models
2. Oil Paintings by Prison Inmates
3. Blue Herring Woodcarving by Abe Rissler
4. 10'x14' Utility Shed
5. Baseball Autographed by Gene Garber
6. Miniature Wooden Pony Wagon
7. Wood Car by Sam Martin
8. Wood Livestock Tractor Trailer by Maynard Mullet
9. Handmade Wood Train
10. Conestoga Wagon w/Horses Lamp
11. Princess Bear from Moore Bears

NOTE: This is your opportunity to help support the Prison Ministries by attending this auction. Bring your chairs and spend the day with us. Auction will be held indoors. 2 Auctions will be running Saturday. Plenty of good food, pork barbecue dinners, French fries, soft ice cream, baked goods, etc. Anyone wishing to donate food items contact Ken Burkholder (717) 355-9245 or Ruth Burkholder (717) 733-6081. Anyone wishing to donate auction items contact one of the following persons — Glenn Hoover (717) 733-2880, David Weaver (717) 656-7274, Ernest Stauffer (717) 733-3763; Marvin Reed (215) 445-7276, Frank Becker (717) 665-4570; Eugene Hoover (717) 859-3542, Larry Eby (215) 445-5479; Willis Herr (717) 285-5070

TERMS: Cash or Good Check day of Auction.

Terms By
**SUPPORT FOR
PRISON MINISTRIES**
Glenn Hoover, Chairman

Auctioneers: Roy Good
Aaron & Paul Martin
Richard Murry, Richard Stauffer
John D. Stauffer AU-1509-L

Public
Auction
Register
OCTOBER

FRI OCT 25 - 6PM and
SAT. OCT. 26 - 9AM, Support For Prison Ministries Eighth Annual Benefit Auction, Winross Trucks, Quilts, Crafts, Specialty Items, located Farmersville Auction, Farmersville, PA, Roy Good, Aaron and Paul Martin, Richard Murry, Richard Stauffer, John D Stauffer, Aucts

BUY, SELL, TRADE OR RENT THROUGH THE
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PHONE: 717-626-1164 or 717-394-3047