

# Laying pullets need fresh air

BY HERBERT C. JORDAN  
Penn State  
Poultry Specialist  
UNIVERSITY PARK —  
An egg laying pullet in a cage consumes one quarter pound of feed each day, drinks one half pound of water and breaths three pounds of air or 45.45 cubic feet of air every day.

All of this is consumed by each and every hen or pullet, therefore, growers must do the following:  
Stop all excess water from getting into poultry manure  
Dry manure inside the house to prevent ammonia gas from forming.  
Repair, maintain or adjust fans, louvers and inlets so

that exhaust fans pull a negative static pressure inside the poultry house.

Direct air over birds first when it is fresh, then move it over manure in pits to dry manure to below 25 percent moisture inside the poultry house.

Design and re-design a ventilation system so that a minimum of one cubic foot of air per minute is moved into and out of the house for every four pounds of bird weight, all day and all night all year long

Poultry houses should be tight, well insulated, and well ventilated.  
To save energy, use body

heat, air convection, gravity, and solar radiation when possible.

In case of long term electrical power failure (several days), have a gravity air flow system as a standby or an auxiliary generator to generate power. In hot weather, it may be necessary to move as much as one cubic foot of air per minute per pound of bird using electrically powered fan ventilation.

Some flock management specialists say if there is no air pollution from manure in a house we can move less air in summer and it will be adequate

## Public Sales Register

Closing Date - Monday, 5:00 P.M.  
of each week's publication

### JANUARY

SAT JAN 5 - 10:00 A.M. Public Sale of Real Estate and Household Goods Located along Specker Rd., 5 miles south of Lancaster, PA 1 mile south of New Danville Menonite Church, 1/2 mile west of West Willow. Terms by Emma E. Charles J. Everett Kreider and Carl Diller Auctioneers

MON, JAN 7 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M. Lehman, owner

TUES & WED, JAN 8 & 9 - PA All Breed Bred Gift Sale Held at the Farm Show Building, Harrisburg, PA Harry Bachman Auctioneer

WED, JAN 9 - 2:30 P.M. 60 Yorkshire Bred Gilts Located at the small arena at the PA Farm Show, Harrisburg, PA Sale by PA Yorkshire Club For

information write or call Leon Arnold, Secretary Treasurer Pa Yorkshire Club, Rt 7, Box 705, Lebanon, Pa 17042 717-273-5880

FRI JAN 11 1 P.M. Brooks and Par Kay Farm, 53rd Sale, 1980 Winter Offering, at the Farm, Beavertown Pa 260 head of Scotch and Irish and other foreign bloodlines Sale by Reno and Park Thomas and Mark Stehr, Owners, Dan Baker, Lafayette, Ind., Auctioneer

FRI, JAN 11 5:30 P.M. Gap Auction Antiques and Household Goods sold at every auction. Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge Ira Stoltzfus & Son, Auctioneers

SAT JAN 12 Clayton & Mary J. Gruber Real Estate, H.H. Goods & Equip 3 Miles West of Manheim, Rapho Twp Lancaster County, Pa., along Breneman Rd C H Wolgemuth Auct

SAT JAN 12 - 10:30 A.M. Public Sale of Tractors, Trucks, Shop Equipment, Tools and Personal Property, Held in York, Pa, on Mt Pisgah Rd, opposite Sam Lewis Park John M. Smeltzer Owner Jacob A. Gilbert Auctioneer

## PUBLIC AUCTION

LOCATION: 1 mile East of Route 213, 3 miles north of Chestertown, Md....Signs posted...On Perkins Hill Road.

### SATURDAY, JANUARY 12

AT 11:00 A.M.

FARM MACHINERY: John Deere 4320 Diesel Tractor, JD 4020 Diesel Tractor, 2 Sets JD 5 Bottom Plows, JD 4 Row RM Cultivators, JOHN DEERE #7000 8 row 36" Plateless PLANTER w/Monitor-Insecticide Boxes-No Till Atch.-Donahue Trailer...JD 12' Road Disc, JD 20' Spike Tooth...(2) MASSEY FERGUSON 510 DIESEL COMBINES w/Cabs (one A/C) 16' Grain Tables, 4 Row Picker Heads (1 w/Corn Reel)...Lilliston Rotary Mower, Leon Rock Picker, Clark Sprayer Booms, Set of 34" Dual Wheels, WD 45 Diesel Tractor (As-Is-), Int H Tractor w/Loader, New Ideal PTO Flail Spreader, V-Snow Blade, 3 pt. Hitch Tool Bar, etc....Hyd. Cylinders.

TRUCKS: '67 Ford 250 Pickup w/Mechanics Body, '65 Int. 1800 Dump Grain Truck, '63 GMC Pickup, '60 Dodge Grain Truck, '52 Chevy Tandem Wheel Grain Truck, (all Trucks 2 Speed Rear)...'65 Chevy Water Truck (409 Motor).

MISC. EQUIP.: 6 Wheel Amphibious "HUSTLER", 6' Pickup Body, 2 Radios, CB Radios, 2 Hyd. Jacks, Ditch Pump, MF Parts, JD Parts, JD Front Wheel, 50 Gal. Gas Tank, Fire Extinguishers, 50 Gasl. Chem. Tank, Spray Hose, G/T Grain Moisture Tester, Wheat Fan, Biscuit Block, Flotation Tires, Truck Wheels & Tires, Old Flat Wagon, 2 Wheel Trailer, Wheel Rim for MF 510, etc., etc.

Owner,  
**FRANKLIN L. "PETE" CRONSHAW**

Perkins Hill Road,  
Chestertown, Md.  
**HARRY RUDNICK & SONS, INC.**  
Sales Managers & Auctioneers  
(301) 648-5100

Lunch

## SPECIAL AUCTION of SURPLUS EQUIPMENT

S.L. HESS & SONS, INC.

1795 S. High St., Harrisonburg, VA

SATURDAY, JANUARY 12, 1980

10:00 A.M.

Located - Rt. 42 South at edge of Harrisonburg City limits.

1976 & 77 Chevy 4 wheel drive 1/2 ton pickups, 1974 Plymouth Sedan, 1968 Int. 1800 4 drive fertilizer bodies, 18 ton truck scales & beam, 72 Dodge 1/2 ton pickup.

1973 DODGE MOTOR HOME

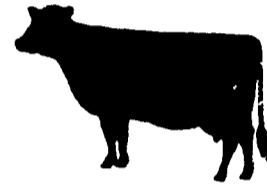
1004 Agri-Gator 4 wheel drive floater, articulating frame, 378 Cummins diesel, 10 speed road ranger transmission, 1000 gal. liquid fertilizer tank, 50' hyd. booms, 7 ton dry fertilizer box.

1977 Mack DM 600, 237 h.p., 5 spd., mckidine transmission, 20' Midwest grain body & cattle racks.

22' Killabrew 3-6 ton hyd. side dumping fertilizer bins.

Other farm machinery & miscellaneous equipment available.

Terms - Cash  
Auctioneer - Larry Garber



## GAP AUCTION

FRIDAY EVE., JANUARY 11, 1980

5:30 P.M.

Located off Route 41 - Lancaster Avenue opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS  
SOLD AT EVERY AUCTION.

CONSIGNMENTS ON MONDAYS  
FROM 8:00 A.M. to 7:00 P.M.  
OTHER DAYS BY APPOINTMENT

Call us for pick-up service

**IRA STOLTZFUS & SON, Auctioneers**  
442-4936 or 442-8254

CONDUCTORS ALL TYPES PUBLIC SALES

## PUBLIC SALE

OF SHOP EQUIPMENT  
& FARM EQUIPMENT  
TUESDAY, JANUARY 15

AT 10 A.M.

Located along Rt. 23 between Morgantown & Churchtown, Caernarvon Twp., Lanc. Co., Pa.  
**SHOP EQUIPMENT**

DVorak hydraulic iron worker w/punches 14", Jet drill press 5/8", Reddy heater 30,000 B.T.U., Reddy heater 90,000 B.T.U., Prentice drill press No. 3 tapered chuck, tapered bits from 1/4" to 1 1/2", portable air drill w/No. 2 tapered chuck, tubing bender, air wrench, portable air grinder, 100 amp., Hobart welder w/20 H.P. 3 phase motor w/electric or belt drive, portable 200 amp welder, approx. 1000' 1/2" to 3" pipe, power hack saw, 18 ga. sheet metal, 8" hand brake, sheet metal punch, Butler acetylene torch, anvil, 3/4" plastic pipe, different sizes angle iron & flat iron, 12 KW belt driven alternator, Gresen No. 6 and No. 12 Hydraulic pumps, pipe wrenches, open end wrenches, vice grips, adjustable wrenches, pipe threaders, 1/2 moon key assort., wood screw assort., metal screw assort. pipe threaders, all types & kinds of nuts & bolts & many other items not mentioned.

### FARM EQUIPMENT

Deutz 3L 912 Diesel motor, No. 456 N.H. mower w/crumper hitch, 8' Dunham disc harrow, on carrier, No. 275 Baler, 16' bale elevator, 2 flat wagons, McC. No. 75 manure spreader, Pequea hay tedder, Pax 100 gal. hog fountain, Amish market wagon (good cond.), corn drag, saw buck, 5 balls binder twine, imp. wheels & tires, single trees, wood & coal heater, N.H. wagon unloader, saddlers bench, platform scale, 2 fore trucks w/hydraulic brakes, bench vise, bench grinder, 6 volt battery, approx. 20 ton good alfalfa hay & other items not mentioned.

Terms By,  
**HENRY U. & BARBARA S. STOLTZFUS**

Elton & Alvin Horning Auctioneers  
**HORNING FARM AGENCY, INC.**  
Main Street  
Morgantown, Pa.  
215-286-5381

## PUBLIC SALE

REAL ESTATE — HOUSEHOLD  
GOODS AND EQUIPMENT  
SATURDAY, JANUARY 12

10:30 A.M.

Located 3 miles West of Manheim, along Breneman Road, close to Old Line Store, just off Colebrook Road. Minutes from Rt. 283, Rapho Twp., Lancaster Co. Pa.

Real Estate consists of 2 1/2 Story 6-Room Frame (new alum. siding) Dwelling. Small Barn on 4+ Acres. House has modern kitchen, dining room, living room, laundry on first floor. 3-Bedrooms & bath on 2nd floor. Attached wash house, cement basement, oil hotwater heat, storm windows & doors. Situated in a quiet country setting. Open for inspection Saturday Dec. 29 and Jan. 5 from 9 to 3 or by appointment - Call 717-665-6466 or 717-665-5664.

Farmall Super C w/platform, 1965 Chevy Pickup, 6 cyl., rubber tire wagon, 2-row transplanter, landroller, Mc. 2-bottom trailer plow, Bolens riding Mower, Toro rotary mower, 4-hole hog feeder, 2 iron troughs, 2 hog troughs, 20' ladder, baskets, crates, etc.

G.E. and Gibson refrigerators, 2 dinette sets, 2 square extension tables, buffet, utility cart, bedroom suite, 2 chest of drawers, 2 vanities, metal wardrobes, single beds, mattress, kneehole desk, childs desk, record player, chairs, sm. tables, coffee table, plank rocker, Motorola TV, sofa bed, floor & table lamps, new bedding, spreads & quilts, rugs, (3 9x12 & 1 12x15) bassinet, picnic table, lawn chairs, swing set, pictures, clocks, radios, elec. appliances, flower stands, lots of plants, large ferns, baskets, trumpet guitar, toys, dishes, pots & pans, and many numerous items not listed.

SALE ORDER — Sm. items on wagon at 10:30, H.H. Goods & Equip. Real Estate to be offered at 1:00 P.M.  
Lunch by Stevens Hill S.S.

Sale By:  
**CLAYTON & MARY J. GRUBER**

J.D. Young Atty.  
C.H. Wolgemuth & H. Shaffner Aucts.  
Ph. 717-665-5664

## PUBLIC SALE

At the New Holland Sales Stables, New Holland, Pa.

FRIDAY, JANUARY 18

10:00 A.M.  
150 HORSES

Registered Belgian mare, 2 Blonde sorrel grade Belgian fillies, coming 2 years old. 2 Blonde sorrel mares, 3 years old, bred. Steele gray mare, 7 years old. Bay mare, 3/4 Percheron, 8 years old, bred to Percheron stud. Red roan mare 3. Red roan mare 5. Red roan mare bred to a Jack. Gray mare, 3 years old. 2 Bay mares. 1 Pair geldings. Black and White spotted, weighing 2200 lbs. each, a real parade team. 1 pair Blonde geldings, 3 years old. 2 Blonde geldings, coming 2. 20 sorrel geldings, 3 to 6 years old, all broke to work. 3 Loads of draft horses from the West. 45 Standard Bred Driving Horses.

### MULES

Black mammoth Jack, 4 years old, pasture broke. Black horse mule Colt, 8 mos. old. 1 Pair black mare mules, 5 years old weighing 3100 lbs., stand 16.3, worked on Amish farm this summer. 1 Pair fancy sorrel mare mules, 5 years old, stand 16.2, weigh 3150 lbs. worked on Amish farm this summer. 8 Pair sorrel mules, stand 16 hands, all broke to work. 10 Single mules. Gray horse mule. 6 mules, 3 years old. 1 Load of mules from Tenn. Many horses and mules not listed.

Lots of implements, single and double trees, harness and other items.

Terms: Cash, checks will be accepted with proper identification.

Paul S. Walthermyer  
R6 Box 286  
Manheim, Pa.  
Phone 717-665-3003  
Sales Stables  
717-354-4341