

No waste

(Continued from Page D14)

that are at least 60 percent tallow. Unlike the old tallow-based soaps, these new varieties lather in cool or lukewarm water.

On the list of cash values for byproducts, variety meats—sold directly from slaughterhouse to supermarket—come in third. The most popular, liver, generally nets the biggest return in the marketplace. But the list of variety meats is long—hearts, stomachs,

unfamiliar to most American dinner tables, but salads and desserts made from gelatin—another beef byproduct—are just about a national institution. Gelatin is a derivative of cattle collagen. Known as cartilage in humans, collagen is a protein that connects the tissue and bone.

Besides salads and desserts, gelatins are used in making chewing gum, marshmallows, and

expensive, these byproducts don't bring in a huge amount of money to the packer

Currently, about 140 medications are derived from cattle glands. One of the most important and best known pharmaceuticals is insulin, a drug used to treat diabetes. There are 5 million diabetics in the U.S. alone, and at least one-fourth of them require insulin daily to regulate their blood sugar levels.

In humans and in cattle, the pancreas gland naturally manufactures insulin, but it takes the glands from 1,500 slaughtered animals to produce only 1 ounce of insulin refined for human use.

Another drug, clinically called corticotropin and more commonly known as ACTH, is available synthetically, but generally manufacturers derive ACTH from the pituitary gland of livestock. Used primarily in treating human adrenal gland problems, ACTH is a very valuable pharmaceutical but not so easily obtainable.

The pituitary gland of an average steer is tiny, weighing less than a tenth of a pound, and 10,000 glands are required to refine just one pound of ACTH for human use.

In 1976, the wholesale price for a single cattle pituitary gland was only 11 cents. But researchers are quick to point out that some important byproduct benefits simply cannot be measured in dollars.

Chester Co. farmers solve animal waste problems

WEST CHESTER — Management of animal waste or manure in Chester County is becoming important, reports Harry Barnett, conservation technician with the Soil Conservation Service in West Chester.

What to do with the manure in the winter months has been the biggest question. Store it is the answer. By storing it over the winter months, you can apply it in the spring just before planting, Barnett says.

"Consider what happens when you spread manure in the winter on frozen or snow-covered ground and get a heavy rain. Most of the manure is carried off into the streams resulting in stream pollution, and the loss of organic fertilizer. This problem can be

solved by proper manure storage," he explains.

"Not only are the winter months critical, but there are critical months in the summer, too. What do you do with the manure when most fields are in crops?" the SCS technician asks.

"All over Chester County, you can see farmers solving their manure problems. In the Elverson area alone during the past year, five of these storage systems were installed."

The U.S. Soil Conservation Service can provide technical assistance in the development of a waste management system. For further information, contact the local Soil Conservation Service office.

Perhaps variety meats are unfamiliar to most American dinner tables, but salads and desserts made from gelatin — another beef byproduct — are just about a national institution.

tripe, spleens, livers, kidneys, brains, tongues, and sweetbreads are a few.

These foods are very high in nutritional content but have traditionally had a low appeal for many American consumers. However, higher red meat prices and acceptable—even gourmet—recipes have prompted some consumers to reconsider variety meat delicacies.

Perhaps variety meats are

dissolvable medicine capsules. Some inedible products are manufactured from gelatin as well—photographic film, printer rollers, window shades, sheet rock, matches, wallpaper, sandpaper, and glues and adhesives.

A relatively new and sophisticated byproduct market is the manufacture of pharmaceuticals. But because the total weight is less than a pound per animal and processing them is so

IT'S MAGIC
How quickly
You Get Results
From Our
Classifieds!

PHONE
717-394-3047
or 717-626-1164



The Lancaster Livestock Exchange

Proudly Presents the List of Buyers of the 38th Annual Penna. Southeast District 4-H Baby Beef Sale Held at the Lancaster Stockyards — Tuesday, Nov. 10th, 1981

GRAND CHAMPION
Lancaster Stockyards, Inc.
Lancaster

RESERVE CHAMPION
Willie the Butcher
Stauffer's of Kissel Hill,
"4 Markets"

Reserve Light Weight Champion
Commonwealth National Bank
Lancaster

Light Weight Champion
Watt & Shand
Lancaster & Park City

Agri, Inc.
Agri Equipment, Inc.
Agway Farm & Home Stores - Salunga
Armstrong World Industries, Inc.
Bell Telephone Co. of Pa.
B & R Cattle Co.
Amos Howell & Sons
Chapman & Good Concrete Co.
Craig Farms
Walter M. Dunlap & Sons, Inc.
E. M. I. - Motorman
Em Tran, Inc.
Farmersville Equipment Co.
First Nat'l Bank of West Chester
J. Harold Frey
Fulton Bank
Glass Specialty Systems of Pa.
Mildred Geib
Greider Hatchery
Groff Meats, Inc.
H. A. Building Products
Hackman & Sons Roofing
Hamilton Bank
Heistand Bros. Inc.
Herr & Sacco, Inc.
Hervitz Packing Co.

Hollinger Mack, Inc.
Henry B. Hoover, Agway-Ephrata
B. R. Kreider & Son, Inc.
Kunzler & Co. Inc.
Lancaster County Farm Restaurant
Lancaster Livestock Reporter
Lawn Equipment Parts Co.
Lebanon Chemical Corp.
Leisure Lanes of Lancaster
Longenecker Hatchery, Inc.
Forney Longenecker
John E. Martin - Contractor
McCoy Cattle Co.
Tom McCoy Custom Butchering
Messick Farm Equipment Co.
Messick Realty Co.
New Holland Farmers Nat'l Bank
Potteiger Meats
Dick Reed-Commodity Broker
Rolling Rock Farm
John Scheidler - Hay Dealer
Shober & Sons, Inc.
Sperry Rand Corp. - Sperry New Holland
Thome Farms
Terre Hill Silo Co. Inc.

Earl L. Umble
Union Nat'l Mt. Joy Bank
Vintage Sales Stables, Inc.
Way Oil Co.
White Indiana Service, Inc.

OUT OF STATE BUYERS

Fauquier Livestock Market
Marshall
Narrows Livestock Auction Market
Narrows
North Carolina Cattleman's Association
Pulaski Livestock Market
Dublin
Roanoke-Hollins Stockyards
Hollins
Virginia Beef Cattle Association
Daleville

4-H Show Lamb Buyers
Champion Lamb
Willie the Butcher
Reserve Champion Lamb
Walter M. Dunlap & Sons

We Salute These Buyers, Whom You Will Note Include Businesses and Industries Related and Non-Related to Agriculture ... They Have Generously Given Realistic Support to America's Outstanding Youth-Farm Project...

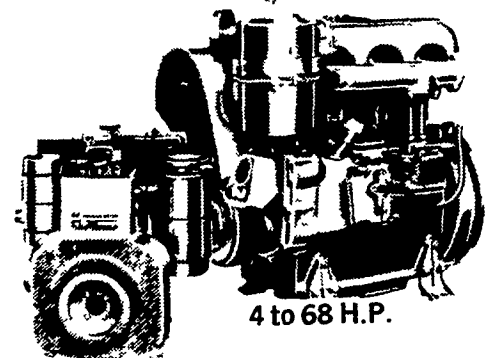
THE 4-H CLUBS of CHESTER, DAUPHIN and LANCASTER COUNTIES

Award Winning Quality
ICE CREAM
½ Gallon & Dipping
Custom Pac

ELIZABETHTOWN CREAMERY CO., INC.
Elizabethtown, Pa.
717-367-1389

LOMBARDINI

The Powerhouse
Diesel For Dairy and Shops
All Direct Injection
For Easy starting
COMPARE - 12 Month Warranty



Lombardini Diesel Uses ½ or Less Fuel Than Gas Engines
Less Downtime Than Gas Engines

The fastest growing line of small, air-cooled diesels in America.

**CALL US FOR USED DIESELS
DIESELS OUR SPECIALITY**

Let Us Know Your Service Problems
24 Hour Service - Check Our Prices

DISTRIBUTOR:
HOUVER DIESEL SERVICE
PH 717-656-6133
2998 West Newport Rd
Ronks, Pa 17572
2½ mile East of Leola -
Along 772
DEALER INQUIRIES
INVITED

DEALER:
B.B. DIESEL SERVICE
PH 717-786-2173
RD 3, Quarryville, Pa.
2 miles west of
Georgetown on
Furnace Road