

## Ocean may generate electricity

**WHITE SULPHUR SPRINGS, W.Va.** - Energy conversion, by means of solar-heated ocean surface water, was shown to be a potential source for production of ammonia for nitrogen fertilizers here this week at The Fertilizer Institute annual Marketing Conference.

John F. Babbitt, president, Devco International, Inc., explained that the temperature differential between the ocean surface

water, and cooler water at greater depths "can be utilized to produce an almost unlimited quantity of electrical power." This power, he said, is proposed for use in producing ammonia under the U.S. Department of Energy Ocean Thermal Energy Conversion (OTEC) program. The effort is based on work carried out by the Applied Physics Laboratory

of Johns Hopkins University, he added. Devco International, a firm concerned with fertilizer and natural resources development projects, is involved in the OTEC program.

Babbitt explained the impact of the ocean thermal work on ammonia production. "Since there is no hydrocarbon feedstock required to produce ammonia using the OTEC

method, the rapid cost escalation of traditional and limited sources of natural gas, and the ever-increasing estimated costs of proposed ammonia process feedstocks

using coal or its derivatives, make ammonia production on an OTEC "plantship" a potentially viable alternative for U.S. future nitrogen fertilizer needs."

**BUTTER EGGS**

**Charolais**



## HEIFER SALE FIELD DAY AND JUNIOR SHOW

All events will be held at Myers Charolais Farm  
Clear Spring, Maryland (Near Hagerstown)

**FRIDAY AND SATURDAY, JULY 13 and JULY 14**

### FIELD DAY AND JUNIOR SHOW

Prizes - Awards - Premiums

**Friday, July 13:**

10:30 A.M. - Noon - Fitting and weight guessing contests.

12:00 Noon - Lunch.

1 - 3:30 P.M. - Judging contests - 3 classes (heifers, bulls, steers)

Ladies shopping tour to local clothing outlets and to antique shops

4 - 5:30 P.M. - Colonial Charolais Queen Contest.

6 - 7:00 P.M. - Beef Bar-B-Que

7:00 P.M. - COLONIAL INVITATIONAL Heifer Sale

**Saturday, July 14:**

10:00 A.M. - Noon - AICA Seminar.

12:00 Noon - Lunch

12:30 P.M. - ? - Colonial Junior Show (John Mitchell, judge)

For Field Day and Junior Information:

Diane Bratton, Executive Secretary

Colonial Charolais Association

RD No. 2, McVeytown, PA 17051

(717) 899-6063

### HEIFER SALE

7:00 P.M. - FRIDAY, JULY 13

**50 HEAD**

**4 Bulls** (3 Polled - 1 Full French)

**46 Heifers** (Bred and Open)

This is the first sale for the Charolais breed where all the females selling will be heifers. A quality selection of replacement type females from 25 leading breeders in 11 states. The bulls are of herd bull quality.

The Last Charolais Sale in the East in 1979!

For Sale Catalog write:

Buzz Garey, Sale Manager

Box E 100 Walnut Lane,

Morrisville, PA 19067

(215) 295-6664

## 145 Guernseys At Auction

### McDONALD PROPERTIES

At The Farm - Cortland, N.Y. - July 9, 1979 - 10:30 A.M.

Reed L. & Eleanor F. McJunkin

Owners

Lloyd G. Vail

Herd Manager

Farm Phone: 607-756-9283

**SELL 145 HEAD - 3 BULLS - 67 COWS**

**75 BRED AND OPEN HEIFERS**

The McDonald Properties herd is one of the top Guernsey herds in America. The 1978 DHIR herd lactation average was 14,527 M - 716F on 62 cows which was 2nd in milk and 1st in fat on herds with 50 to 75 records. The herd has one of the highest type scores in the breed - on May 12th classification - there were 11 Excellent and 36 Very Goods.

A feature of the sale will be McDonalds Darimost Jean EX-3X and her family. She has made class leading records of 2-2-18, 390-922-305; 3-4-22, 120-1, 129-305; 4-4-21, 770-1; 041-305. She sells with 2 daughters and a son all by Clovelly Top Hornet. Also selling will be her full sister. Their dam Winacres Ferdnands Jean was EX-94 - 9 lact. total 150, 180 M-8, 231 F-3, 267 da. high record 9-2-21, 220-1, 166-365-2X.

Seldom does an opportunity come to livestock breeders to purchase members of female families such as "Jeans".

There also are many other deep pedigreed top cows with large families selling.

Prominent sires represented: Western Glow Darimost (21), Applebrook Fames Corporal (16), Clovelly Top Hornet (13), Housleys Dari Fayvor (13), Lyrene May Rose Prince (13).

SALES HEADQUARTERS: Holiday Inn, Cortland, N.Y. 13045.

Phone: 607-756-7543.

FOR CATALOGUES OR FURTHER INFORMATION

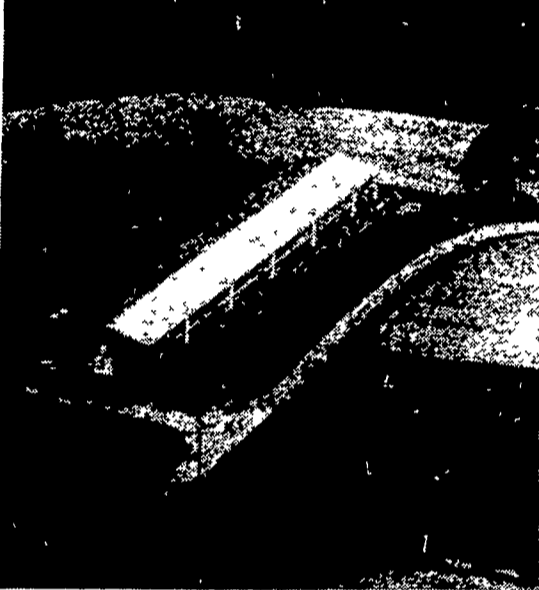
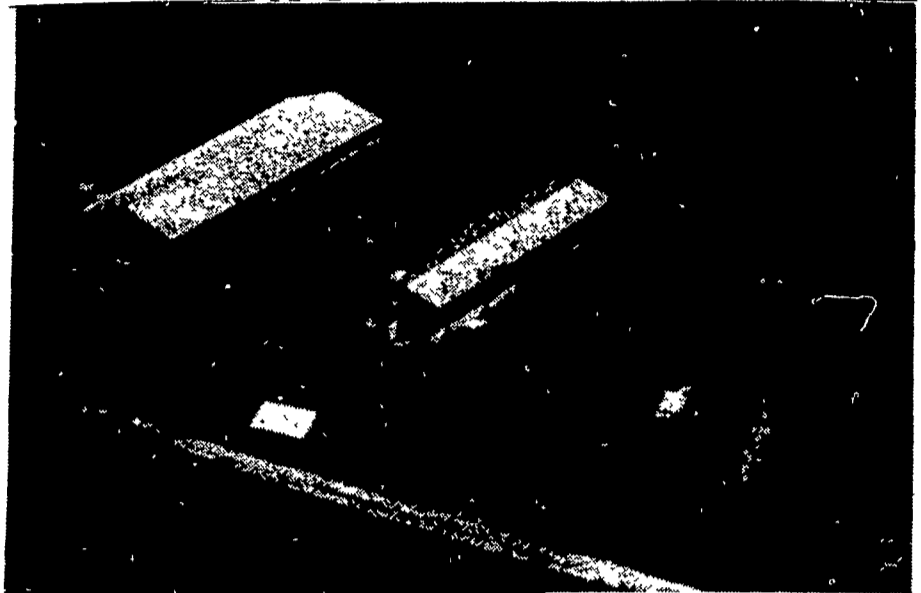
WRITE OR CALL

THE MERRYMAN COMPANY

JOHN B. MERRYMAN, SPARKS, MD. 21152

PHONE: 301-771-4624

## AUTOMATED BROILER SET-UP PUBLIC SALE OF VALUABLE REAL ESTATE



**8.72 ACRES  
WITH  
STREAM  
Beautiful West  
Donegal Twp.  
Farmette**

**Tuesday evening July 24, 1979  
7:00 P.M.**

At the farm located 1½ miles south west of Elizabethtown, at Rt. 230 take Rt. 241 south to Rutt Rd. Continue to Rutt Rd. thru cross roads, farm is located on left side of road just beyond west Ridge Rd. Approx. 500 feet frontage along Rutt Road zoned Agri.

**Consisting of 3 fully automated broiler houses with a total capacity of 71,000 or more birds,** natural gas heat, chore-time and Big Dutchman waterers and feeders, Medicators, Ventamatic fans (30" and 36"), equipment for stand by power, alarm systems in (2) houses, 400 and 200 AMP service, macadam driveways to all buildings, 2 wells. House #1 - 30'x140'; House #2 - 45'x165'; House #3 - 44'x300'

**Beautiful 2½ story maintenance free, recently remodeled Colonial 8-room home,** wall to wall carpet throughout, 1st floor family room with fireplace, L.R., D.R., eat-in Deluxe Kitchen, Laundry, Powder room, full tile bath, 3 spacious bedrooms, oil heat, Summer & Winter hook-up. Excellent condition. Very Lovely Country Setting.

Small 40'x20' horse or steer barn next to meadow with stream; Tractor and Implement shed; oversized (1) car garage.

**Profitable and going operation and is growing under contract.** Absolutely a rare opportunity, must be seen to be appreciated. Inspection - Sat. June 30, July 7 & 14 1-4 p.m. or by appointment.

Broker participation clients must be registered with auctioneers prior to evening of sale.

Aucts.: Carl Diller

464-2233

J. Everett Kreider

786-1545

Sale by,

**John & Nancy**

**Rosenberry**

367-7485