

Nutrition experiments noted

ATLANTIC CITY, N.J., — Seven U.S. Department of Agriculture scientists have reported results of nutrition studies dealing with low-copper diets, high-fiber diets, iron compounds and cement dust.

The scientists, from USDA's Science and Education Administration, reported their research results at the annual meeting of the Federation of American Societies for Experimental Biology held recently.

SEA scientists Leslie M. Klevay and biochemist Kenneth G.D. Allen of the University of North Dakota found diets low in copper may intensify the risk of coronary heart disease, the leading cause of death in the United States. The scientists, working at the SEA Human Nutrition Laboratory, Grand Forks, N.D., found that laboratory

rats on a low-copper and cholesterol-free diet had higher concentrations of cholesterol in blood plasma than rats on a copper-supplemented control diet.

New research findings reported by June L. Kelsay raised questions about present recommendations for some nutrients when a high-fiber diet is eaten. When the 12 men volunteers

were eating the high-fiber diet, Dr. Kelsay said, their bodies lost more calcium, magnesium and silicon than they ate. Some iron was retained under both the high-fiber and low-fiber diets. The men retained more carotene under the low fiber diet than under the high-fiber diet.

Dr. Kelsay is a SEA research nutritionist. The University of Maryland

cooperated in the study at the Nutrition Institute at Beltsville. SEA research nutritionist Kay M. Behall reported the same study showed that serum levels of triglycerides, free fatty acids, cholesterol, glucose, lactate, insulin, growth-hormone, cortisol and phosphorus were not significantly affected by increasing the fiber content of the diet.

In animal nutrition

studies, Edward R. Roginski, an SEA research biologist, found young rats which were fed dust from a Georgia cement factory gained weight 23 per cent faster than rats getting the same diet without the dust. Dr. Roginski said the kiln dust had previously given big growth boosts to cattle. The research was done at the Nutrition Institute at Beltsville.

Eugene R. Morris an SEA

research chemist at Beltsville, reported on results of feeding dogs monoferric phytate, an iron compound found in wheat bran. When fed with a standard meal, he found, the compound was about as effective as other iron sources tested.

Rex Ellis, also a research chemist at Beltsville, described a process for treating wheat bran to make it an excellent source of zinc for rats.

Let us never forget that the cultivation of the earth is the most important labor of man.

SPECIAL HEIFER SALE

FRIDAY, MAY 5, 1978

6:00 P.M.

G and M Livestock Market, Inc.,
Duncansville, PA

Take Route 220 North from Bedford Exit PA Turnpike.

SELLING 300 TO 400 HOLSTEIN HEIFERS

Consignment includes:

50 Heifers from the Roy McGee herd (recently dispersed at G and M) - 3 months to springers. Approximately 20 registered. 1 Astronaut bred to Elevation, A good Rocket, etc.

Several top registered heifers from the Carl and Joe Helsel herd.

Several top registered heifers from Jess and Jerry Thompson herd.

100 heifers, 3 months to fresh from Fred and Mike McCartney. Approximately 40 registered sires — Ivanhoe Star, Gay Ideal, Job, etc. Some with records. Several top registered bulls.

All consignments must have health charts.

Consignments will be accepted until 4 P.M. day of sale.

For Information Call:

Sherman Glick, Lewistown
Phone: (717) 248-0960

Fred McCartney, Dry Run
Phone: (717) 349-2393

PA POLLED HEREFORD ASSOCIATION

SPRING SALE

FRIDAY, MAY 5, 1978

Show 1:00 P.M.

Sale 6:00 P.M.

Held at Bedford Co. Fair Grounds, Bedford, PA.

Consigners Include:

ACE Polled Herefords, Milbrook, NY; ABC Farms, Damascus, MD; Calumar Farms, Portage, PA; Battleground Farms, Salem, NJ; Falklands Farms, Shellsburg, PA; 5 Points Pastures, Greensburg, PA; Huckleberry Hall Farm, Smithsburg, MD; JDH Polled Herefords, Dover, PA; Wendell C. Layman, Scottsdale, PA; Glen Cary Farms, Damascus, MD; Penn State University, University Park, PA; Price Polled Herefords, Harrisonville, PA; Schockary Ridge Farm, New Tripoli, PA; Spring Bottom Farm, Fairfield, PA; Dr. Jack Shanks, Damascus, MD; Skyview Farm, Berlin, PA; Phillip Scott, Gettysburg, PA; Tellish Polled Herefords, Hookstown, PA.

For Additional Information:

EVERETT G. HENDERSON
Breezewood, PA 15533
814-784-3102

WILLIAM J. GRAY
RD 1, Schellsburg, PA 15559
814-733-2281

C.J. FURLONG

RD 2 Box 301A, Portage, PA 15946
814-695-7700

HUFF'n PUFF FARM MILKING HERD DISPERSAL THURSDAY, MAY 4

11:00 A.M.

JULIUSTOWN, N.J.

Exit from N.J. Turnpike at Exit 7, go south on Rte. 206 only 1/2 mile to Rte. 68, turn left (East) and go to 2nd traffic light (opposite Ft. Dix Gate) turn right and follow to 1st crossroads and turn left, first farm on right. About 12 miles Southeast of Bordentown, N.J.

100 REGISTERD HOLSTEINS

All tests up to date, eligible to ship anywhere immediately. Exam for Preg.

29 DAUGHTERS OF ROUND OAK RAG APPLE ELEVATION SELLING!!
Elevation daughters sell with up to 966 Fat, 4.6% 21,168 M. at 3y5m.

26 HEAD SELLING ARE CARRYING SERVICE TO "ELEVATION"!!

MARCH 4 CLASSIFICATION RESULTS —
6 "EX" - 28 "VG" - 52 "GP" - 17 "G"!!

FEB. '78 RHA — 104.9 Cows 18,144 M. 3.8% 687 Fat!!
Cows sell with up to 31,721 M. 3.5% 1115 fat, 2x. A good working herd.

80 of the 100 selling trace to "Ivanhoe"
Another 6 carry "Kingpin" in their pedigrees.

MARK THE DATE ON YOUR CALENDAR —
THIS IS A "MUST" SALE TO ATTEND!!

Lunch Available Catalogs Under Cover
Sale Starts 11:00 A.M.

WILLIAM H. PETTIT & FAMILY

Owners,
Juliustown, N.J. 08042
609-894-4844

R. AUSTIN BACKUS INC.

Sale Mgrs. & Auctioneers
Mexico, N.Y.

MILK & HONEY HOLSTEIN HERD DISPERSAL

(All sell except the "Athene" family (7 head))

MONDAY, MAY 8

(11:00 A.M.)

Oldwick, N.J.

At the Milk & Honey farm of J.S. Johnson located about 1 mile north of Oldwick, N.J. just off Co. Rte. 517. About 4 miles north of old Rte. 22 and I-78. Approx. 35 miles east of Easton, Pa.

85 REGISTERED HOLSTEINS

All tested for immediate interstate shipment. Exam for Preg.

A STRONG CONCENTRATION OF "IVANHOE" BLOOD SELLS!!

* An own dtr. of "Ivanhoe" sells with 4 dtrs. She is "Crestor" "VG" and has 16,350 M. 3.9% 640 F. at 5-5. Herd dam is "VG" with Ex Mamm. and next dam 3E-91. Due in July to "Clem". 4 dtrs. sell and a gr'dtr. by Elevation.

* Milk & Honey Ify Rocky (EX-2E) sells with 774 fat at 4-3. She has a yrlg dtr. by Elevation selling. A great family.

* Milk & Honey Furcres Pawnee "VG-89" sells with 18,240 M. 685 fat. She has a sensational Sunnyside Standout dtr. selling with 17,990 M at 4 yrs. and 665 fat. Also a just fresh Elevation dtr. selling.

SELLING — THREE VIALS OF OSBORNDALE IVANHOE SEMEN!!!!!!
10 DAUGHTERS OF "ELEVATION" SELL!!

HUNTERDON HILLS HOLSTEINS ARE SELLING 30 HEAD IN THIS SALE!!

A fine group of selected cows sell all just fresh or close springing. 14 Bred Heifers sell either close springing or due in June or July.

* A GP-84 Thonyma Stylemaster dtr. with 24,940 M. 890 fat and still adding. Dam is GP-84 with 127,500 M. Due July to Arlinda Commander.

* A "VG" Back Acres Necessity dtr. with 19,110 M. 645 F. at 5 yrs. Dam GP-83 with 104,000 M.

* A "VG" 2 yr. "Transmitter" with 16,330 M. 593 fat at 2 yrs. Dam over 17,000 M. Due June to Arlinda Commander.

* 8 dtrs. sell by Hunterdon Hills Rare Edition (son of Pollyhoe with 1307 Fat)

THIS WILL BE A GOOD DAY FOR THE BUYER —
MAKE SURE YOU ATTEND AND TAKE ADVANTAGE!!

Sale starts 11:00 A.M. Lunch Available Catalogs Under Cover

HUNTERDON HILLS HOLSTEINS

Owners of all cattle and semen
Rosemont, N.J. 08552
609-397-3342 or 2270

R. AUSTIN BACKUS INC.

Sale Mgrs. & Auctioneers
Mexico, N.Y.