

Ida's Notebook



Ida Risser

Halloween is a time for fun. From the time of my youth, I remember it as an opportunity to get away from my parents stern discipline and have one night out with the other children of our small village. It was also an opportunity to meet some of our neighbors as we went into their homes for refreshments.

The costumes weren't important as you could throw corn grains on the porches and then run and scream in any old outfit. But this year our children agonized over what to wear to two different parties. As a starter they tore up two sheets into narrow strips to be wound around as a Mummy costume.

However, at the last minute it was discarded in favor of an old tramp's outfit and a fat farmer get-up. As I may have mentioned before, one year my two older boys made a frame, covered with a spotted sheet, and went as a Holstein cow. It was the hit of the party.

Recently I traveled with a big busload of eighth graders to the Hagley Museum and Eleutherian Mills in Delaware. The museum has many exhibits showing early American industrial history and tracing it through manufacturing in the early 20th Century.

The mills constructed by the DuPonts in 1802 manufactured black powder used in explosives. The heavy granite walls on three sides of the buildings with a

ROSEMONT, Ill. - Participants in the 50th Anniversary Convention of the American School Health Association were told of a new consecutive, sequential

fourth side and roof lightly built in order to vent the blast force of accidental explosions toward the Brandywine Creek, were very interesting. Many lives were lost in this dangerous business but it is said that DuPont provided for the surviving families.

nutrition education program which will bring nutrition into the classroom through 12th grade. Mary Hughes, Ph.D., of the National Dairy Council, described the K-12 Project to the ASHA audience in New Orleans on October 8.

Dr. Hughes, NDC's K-12 project coordinator, said that the program reflects the thinking of the nation's top education experts, studies done by the Society for Nutrition Education and Dairy Council, reports from the Senate Select Committee on Nutrition, the White House Conference, and input from representatives of

affiliated Dairy Council units nationwide. The program offers the latitude to satisfy the teacher's various needs, and can be integrated with other subjects in the curriculum.

The K-12 Program is aimed to bring nutrition out of the realm of memorizing nutrients and deficiency states and into the personal lifestyles of students. Dr. Hughes promised it would be authoritative, interesting, and relevant.

The first phase of the program, K-6, is now being tested in 19 sites across the country, and will be available for general use next fall.

New education program for nutrition set

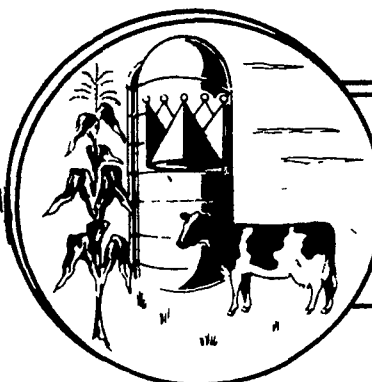
Fretz wins certificate

Sarah H. Fretz, 14-year-old member of the Lehigh County beef and heifer club was recently awarded the certificate of achievement offered by the National Angus Auxiliary.

This program was started to honor outstanding young ladies in the area of breeding, fitting, and showing Angus cattle. The achievement must be the result of competition in the categories of steer or breeding cattle,

showmanship, judging, scholarship finalists or winners in any other competition relative to Angus cattle.

Sarah has a herd of five purebred Angus cows. In 1975 she entered a bull calf bred and owned by her in the Pa. State Bull Test Station. The bull went on to test first of all Angus bulls on test for that year. He was sold that March at the annual Bull Sale for \$700.



AGRI-KING KEY TO PROFIT



Why The Agri King Program?

Dr. Warren Bonhoff
Director of Nutrition -
Veterinary Consultant

The following quotation was written by a concerned supervisor in the March-April Edition of "The Northeast Improver". "Why will some dairymen have forage samples analyzed, and then not do anything about the results? I just heard from a neighbor about one of my dairymen who had several cases of acetonemia. I had checked out his minerals, he was high in calcium, low in phosphorus, and very low in magnesium. Believe it or not, now he's looking at his reports and doing something about them." This story could have been written by many, and in all sections of the United States. To help prevent metabolic diseases, obtain increased production, and utilize feeds most efficiently, does require laboratory analyses, then formulating rations based on these facts. When this is done, it doesn't mean it's right for two years, or two months, or even two weeks. Oft times, roughages are changed in short periods of time and to utilize test results correctly requires the formulation of a balanced ration whenever these changes are made.

The following hay samples are indicative to illustrate the significance of test variations and their affect on a balanced ration.

Test Results Of Four Hay Samples

	No. 3113	No. 3110	No. 3098	No. 3079
Protein	10.73	12.52	15.68	20.75
Calcium	45	111	179	177
Phosphorus	27	21	25	30
Magnesium	11	12	38	35
Based on these analysis and hay being the only roughage fed, the following rations were recommended, based on Holstein cows averaging 1400 lbs. and producing 50 lbs of milk				
	No. 3113	No. 3110	No. 3098	No. 3079
Hay	26.0 lbs	26.7 lbs	26.6 lbs	29.0 lbs
Grain Ration	20.0 lbs	19.3 lbs	19.4 lbs	17.0 lbs

Grain Ration Formulas With Hay Sample Numbers

	No. 3113	No. 3110	No. 3098	No. 3079
Shell Corn	1625.5	1763	1916	1932
44% Soybean Meal	265	165	20	
Monosodium (26% Ph)		12	43	42
Di Cal (18.5%ph-21% CA)	24	19.5		
Calcium (38%)	43			
Salt	13	10.5	3	5
Key-Min-R	13.5	13.5	1.5	2.5
Dairy Multi-Factors	16	16.5	16.5	18.5
	2000	2000	2000	2000

These hay analyses are of common occurrence and actually occur on the same farm within the same year. Is it any wonder that serious problems exist on many dairy farms today, especially considering the increase in production per cow, yet still feeding similar to what was done in previous decades?

If one had the previous hay samples, wouldn't it be difficult to choose a protein, calcium, phosphorus, and magnesium level to possibly "balance a grain ration." The odds would be astronomical, in fact it couldn't be done. Yet it's being attempted every day. So we go on accepting the hypocalcemia (milk fever), ketosis, retained placentas, mastitis, foot problems, breeding problems, grass tetany (magnesium deficiency), etc.; as partners for being in the profession of dairying.

No, providing good balanced nutrition will not prevent all metabolic diseases but they certainly can be reduced. Dairy specialists state that eighty to ninety percent of all diseases are directly related to nutrition. This statement certainly appears valid, yet today what percentage of livestock producers or others related to the subject of nutrition are sufficiently devoted to do the best possible.

Now, and in the future laboratory analyses of roughages and grain are going to increase. Don't stop there; the results are interesting but of very little value unless these analyses are used honestly and diligently in the formulation of a complete balanced feeding program.

Agri King is unique in the fact that we have an excellent computerized program that does put together the roughage analyses and information to accomplish the results a dairyman is seeking —

Southeastern Penna
George F DeLong
Regional Manager
225 West Woods Drive
Lititz PA 17543
Call Collect 717 626 0261

Eastern Lancaster Co
Melvin Herr
RR2 New Holland PA 17557
Ph 717 354 5977

North Western Lancaster Co
Earl B Ginder
RD2 Manheim PA 17545
Phone 717 665 3126

Southern Lancaster Co
Henry DeLong, Jr
RD2 Box 69
Peach Bottom PA 17563
Phone 717-548-3471

Southwestern Lancaster Co
Ben Greenawalt
RD2 Conestoga PA 17516
Phone 717 872 5686

Chester Co
Willram Windle
RD1 Atglen PA 19310
Phone 215 593 6143

Lebanon Co
Marvin Meyer
RD2 Box 157
Annville PA 17003
Phone 717 867 1445

Northeast Berks Co
Roger Heller
RD1 Robesonia PA
Phone 215 693 6160

Lehigh & Northampton Co
Thomas Heist
Main Street
Alburtis PA 18101
Phone 215 965 5124

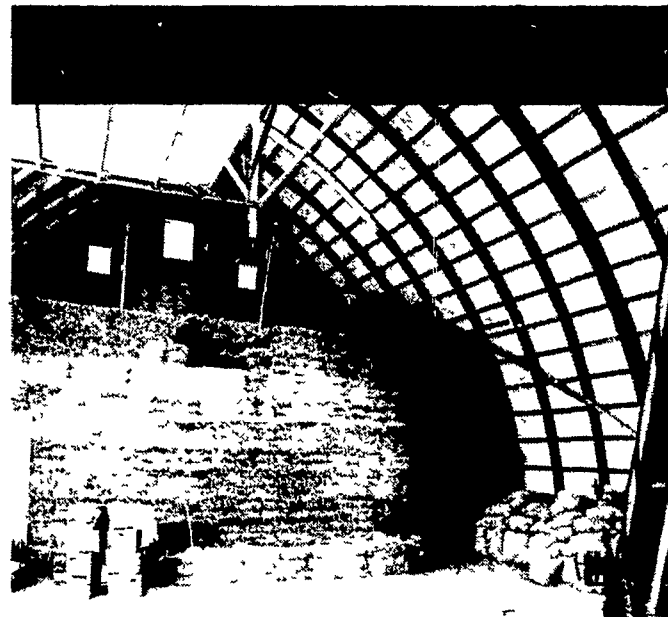
South Central Penna
James L Yoder
Regional Manager
250 Edwards Ave
Chambersburg PA 17201
Call Collect 717 264 9321

Eastern Franklin Co
Eldon Martin
RD5 Waynesboro PA 17268
Phone 717 762 4130

Cumberland Co
Marlin E Ebersole
R5 Carlisle PA 17013
Phone 717 776 7324

Western Washington Co, Md
Charlie Campbell
Rt 4 Box 229A
Hagerstown MD 21740
Phone 301 791 2157

Eastern Washington Co, MD
Earl H Moyer
RD5 Box 277
Hagerstown MD 21740
Phone 301 739 5199



Telephone: (717) 866-6581

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MANUFACTURERS of
LAMINATED RAFTERS
and WOOD ROOF TRUSSES

RICHLAND RD1, Pennsylvania 17087
OAKLAND RD2, Maryland 21550