

Disease seminar planned

LANCASTER — A Biological Disease Prevention Seminar will be held from 9:30 a.m. to 4:30 p.m. Friday, April 13, at the Lancaster Farm and Home Center. It is open to all farmers and members of agribusiness.

Featured speaker at the session will be Dr. John Whittaker, of Springfield, Mo. He will discuss "Animal Health from the Soil Up."

Dr. Whittaker is a 1957 graduate of the University of Georgia School of Veterinary Medicine. Upon graduation, he worked in a diagnostic lab and three years with drug distributors.

He served for 10 years as Director of Field Services for Naremc, Inc., of Springfield, Mo. In 1972 he was associated with Nutrition Labs of Portland, Ore. and the following year he formed Whittaker Associates, a consulting organization specializing in disease and nutritional problems brought about by mold toxins and infections. He has worked as consultant with numerous poultry and turkey operations throughout the U.S.

Other speakers and their topics include:

Keith Ault, professor of chemistry at Ball State University, "Special Roles of Vitamin C in Plants and Animals."

Lee Davis, of TransAgra Corp., Memphis, Tenn., "Proper Intestinal Flora for Good Health."



John Albright, Environmental Systems, Lancaster, "Full Spectrum Lighting Success Report on Livestock."

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LITITZ — Shenk's Farm Service, of Lititz, dealers in automated farm equipment announces the appointment of Loren C. Bucklin to the position of general manager.

Bucklin, was formerly associated with American Menswear of Philadelphia and General Mills Corporation. In his position with Shenk's, he will be respon-

BALTIMORE, MD. — "The use of antioxidants to combat free radicals, which promote aging and disease in both humans and animals, could produce healthier, more productive livestock," said Dr. Denham Harman of the University of Nebraska Medical School at a technical symposium held here recently.

Sponsored by Monsanto, the symposium was conducted in conjunction with the Maryland Nutrition Conference. In his address entitled, "Free Radicals and Aging," Harman, who is an authority on the aging process, pointed out that free radical reactions speed aging by oxidation, and contribute to the deterioration of the cardiovascular and central nervous systems.

Free radicals, he explained, are fragments of molecules present in very low concentrations during the course of free radical reactions. Antioxidants, conversely, are chemical compounds that by

inhibiting oxidation can increase livestock longevity and foster greater health, productivity and weight gain, Harman added.

Experiments performed on rats, fruit flies, nematodes and mice have shown increased lifespans in each case, Harman reported. Mice, for example, lived 20 percent longer when supplied antioxidants throughout life, starting shortly after weaning. Translated to human terms, he said this represented an increase in lifespan from 74 to 89 years.

Among those who spoke on subjects as diverse as feed supply market trends and pale bird syndrome in broilers at the Maryland Nutrition Conference were P.C. Allen, USDA; R.E.

Austic, Cornell University; A.M. Farmer, Cargill, Inc.; H.W. Hulan, Nova Scotia Department of Agriculture; and J.L. Sell of Iowa State University.

Dr. Harman earned his B.S. and Ph.D. in chemistry from the University of California at Berkeley. Following his university studies, he worked for the Shell Development Company as a research chemist for seven years before entering Stanford Medical School. After completing the medical program at Stanford, Harman spent two years as a research associate at Donner Laboratory of Medical Physics at the University of California at Berkeley.

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A native of Lansing, Mich., Bucklin attended both Lansing Community College and Millersville University majoring in Business Administration. He resides in Lancaster with his wife, Lisa.

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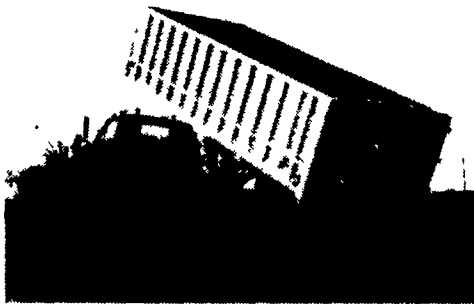


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