

## NPPC grants

(Continued from Page A15)

Other than those of PRV on these tests; Dr. I.A. Schipper, N.D. State University; to compare the three presently available pseudorabies tests to determine which is most sensitive and to determine the effects of other antibodies in the serum.

- Vaccination for Control of Mastitis and Agalactia of the Sow; Dr. R.F. Ross, Iowa State University; to evaluate the effectiveness of the bacterin used for one strain of coliform bacteria against other strains of E. coli.

- A Pathogenesis Study of Rotavirus and Concurrent Enteropathogenic E. coli in Gnotobiotic Pigs; Dr. J.P. McAdaragh, S. D. State University; to determine what happens to the small intestine of germ-free

pigs following an infection of rotavirus and E. coli at the same time.

- Relationship of Administration of Iron to Baby Pigs to their Susceptibility to Enterotoxigenic Colibacillosis; Dr. S. Kadis, University of Georgia; to study the effects of various doses of iron for baby pigs on their susceptibility to diarrhea following infection with various strains of E. coli.

- Persistent PRV Virus Infections in Swine; Dr. B.C. Easterday, University of Wisconsin; to determine the length of time pseudorabies virus is transmitted from infected pigs, whether the virus is shed continuously, and the percentage of pigs shedding virus.

- Ear Necrosis in Swine; Dr. J.A.

Richardson, Purdue University; to determine the relationship of a particular staph infection in lesions of the ear.

### Environmental Management and Stress

- Stress and Adaptation of Gestating Gilts to Tethering, Individual Stalls, and Pasture; Dr. T.H. Friend, Texas A&M University; to compare the amount of stress of gestation gilts to tether and individual stalls to those maintained on pasture and whether adaptation occurs over time.

- Effect of Receiving Ration and Water Medication on Performance of Purchased Feeder Pigs; Dr. M.C. Brumm, University of Nebraska; second year funding to determine the effect of length of feeding of receiving ration, the effect of water medication, and the interaction of feed additive and water medication on feeder pigs

survival, growth and performance.

- Gestation Environmental Alternatives: A Behavioral, Functional and Performance Study; Dr. S.E. Curtis, University of Illinois; to determine differences in behavior, physiology and performance of pregnant gilts held in gestation pens with feeding troughs, pens with individual stalls, gestation crates with solid walls, or crates with nearly open walls.

- Effect of Supplemental Potassium on Feeder Pig Performance; Dr. G.W. Jesse, University of Missouri; to

determine the effect of supplemental potassium during the first four weeks on feeder pig performance and to determine shrinkage of the feeder pig from and to the farm.

### Nutrition and Feed Utilization

- Influence of Blood Serum Factors and Muscle Characteristics on Growth Rate and Feed Efficiency in Pigs; Dr. C.E. Allen, University of Minnesota; to determine if feed efficiency and growth rate of pigs is related to muscle cell number and size, to the

(Turn to Page A39)

Lancaster Farming, Saturday, November 7, 1981—A27

## MILK MARKET NEWS

(Continued from Page A26)

since April 1980, continues to reflect the large supply of milk and reduced competition for raw milk between dairy product manufacturers.

Since April 1980, the difference between the adjusted Grade B price and the support level has averaged about 38 cents.

Minimum Federal order class prices have remained quite stable throughout the year, although declining somewhat in recent months.

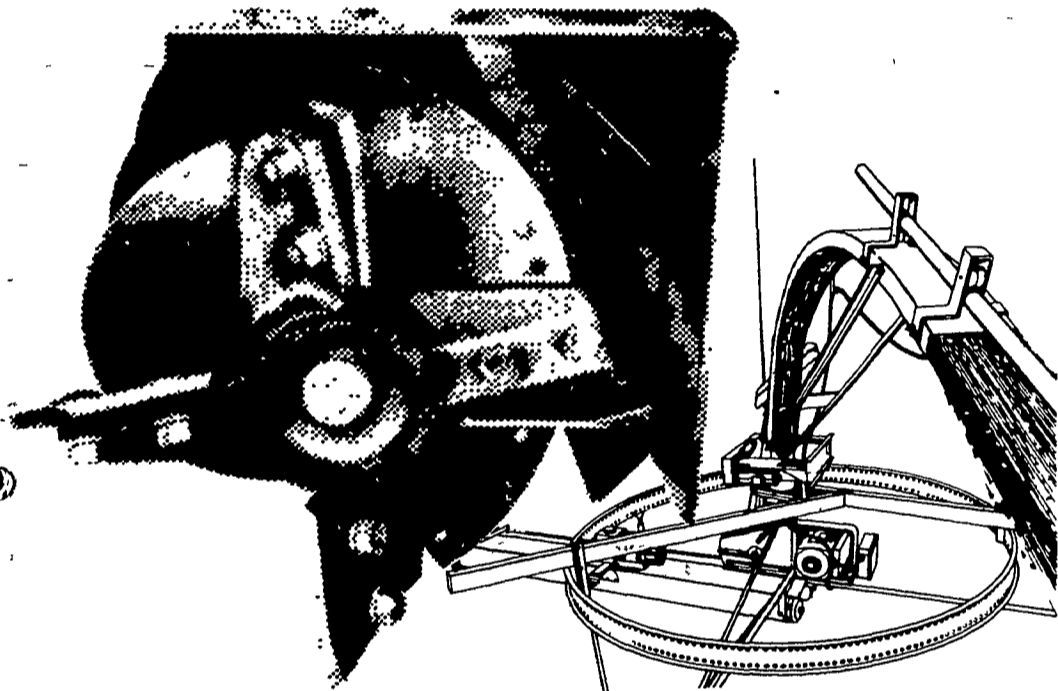
With milk production expected to remain large relative to commercial use for the rest of this

year, the seasonal increase in milk prices this fall could be small, leaving the all-milk average price for 1981 up around 6 percent.

In early 1982, milk prices will depend on the level of price supports and supply and demand conditions. With some strengthening in the economy and a tighter supply of other high-protein foods, the demand for dairy products is expected to strengthen.

This alone should strengthen farm milk prices early next year. However, a continued expansion in milk production would moderate any price increases.

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