

Mike Pfautz to be 'Future Farmer' in Japan

BY DICK ANGLESTEIN
STEVENS — It's been a hectic, jam-packed week for Mike Pfautz, member of the Cloister FFA at Ephrata and past Eastern Regional Vice President of the Pa. FFA Association.
 He wound up his job as a salesman for Gehman Feed, Denver.
 He found out he finished as Eastern Regional proficiency runnerup in ag sales and service.

Of course, there's the normal duties around home associated with the family's farm market.
 He had to get ready for his final county 4-H hog roundup, too.
 And, there's one more thing. On Tuesday, he takes off and heads for Japan for a three and one-half month stay with Japanese farm families.
 Mike, one of the best-traveled of the 1982-83 state officers on the banquet circuit, thus becomes one

of 11 FFA'ers in a Work Experience Abroad program funded under a grant from the President's Youth Exchange Initiative of the U.S. Information Agency.
 Actually, Pennsylvania has two participants in the program and both are from last year's state officer roster — one from the east and one from the west.
 While Mike was the Eastern Regional Vice President, his counterpart in the west, Amy Winklosky, of the Derry Chapter in Westmoreland County, has also been selected for the program.

As Mike poured over maps, tour guides, instructions and other material for the trip, his enthusiasm about the visit bubbled through.

"It's been pretty hectic getting ready, but I can't wait to get started," he said.

He's been making such a detailed study of the material that he's already found a restaurant in Tokyo that specializes in Pennsylvania-Dutch pies. A slice of Japanese shoo-fly should do wonders for any hunger pangs for home.

On Tuesday, he flies to San Francisco on the first leg of the trip to Japan.

He's bound for Kanagawa, located along the coast southwest of Tokyo. The first 12 days will be spent in a language familiarization course.

During his stay one day a week will be spent in classrooms at the Hiratsuka Agricultural High School in Kanagawa. He'll live and work with host Japanese farm families.

There'll be a midpoint evaluation of the program with the embassy attache at the National FFA Center in Japan. And, he'll also attend the National Convention of the Future Farmers of Japan.

After additional stay with a Japanese farm family, Mike will wind up the trip with a few days in Hong Kong from Dec. 10 to 13.



Studying map of Japan.



In front of family's farm market.

During his Japanese stay, Mike will be taking a lot of slides and will be putting together a program. So, area FFA chapters and other groups looking for an accomplished speaker can call on him beginning next year.

"I'll be missing the Ephrata Fair and the National Convention this year," Mike lamented a bit. "But this is a real unique opportunity."

But Mike has a couple more

Ephrata Fairs remaining as an FFA'er. And he'll be attending the FFJ convention.

And, then there's the 1984 National Convention in Kansas City.

Mike plans a run at state endorsement to try for national office.

It's not only a busy week for Mike.

It looks like a busy year or more coming up.

Penn State profs applying know-how to round bales

BY TRISH WILLIAMS
STRASBURG — Two Penn State agricultural engineering professors have developed and are now testing an applicator for infusing anhydrous ammonia into round bales. Associate professors, William L. Kjelgaard and Paul M. Anderson worked together to develop a cold flow converter that facilitates the conversion of liquid anhydrous ammonia into a vapor

phase for application into round bales.

The purpose of applying anhydrous ammonia is to increase the protein content of the bale and to reduce spoilage during storage, said Kjelgaard. The two professors have gotten a patent on the converter portion of the applicator.

Kjelgaard explains, "Anhydrous ammonia has been used for several years now as preservative

and to increase the protein content of silage. We are applying the same principles to round bales with this new system."

At present Kjelgaard and Anderson are conducting research at Penn State and in the field to substantiate the effects of varying amounts of anhydrous ammonia applied to round bales.

Three farms, one in the western part of the state, one in the central section, and the Ken Groff farm in Strasburg, Lancaster County are cooperating with the Penn State ag engineers. The three farmers who use round bales in their feeding programs, agreed to have some bales treated with anhydrous ammonia, and will make observations as the forage is fed out, on the quality of hay, its palatability, and refusal rate, to assist Kjelgaard and Anderson in their field tests.

In research conducted at Penn State the forage is analyzed by infrared analysis to evaluate the nutrient quality of the forage.

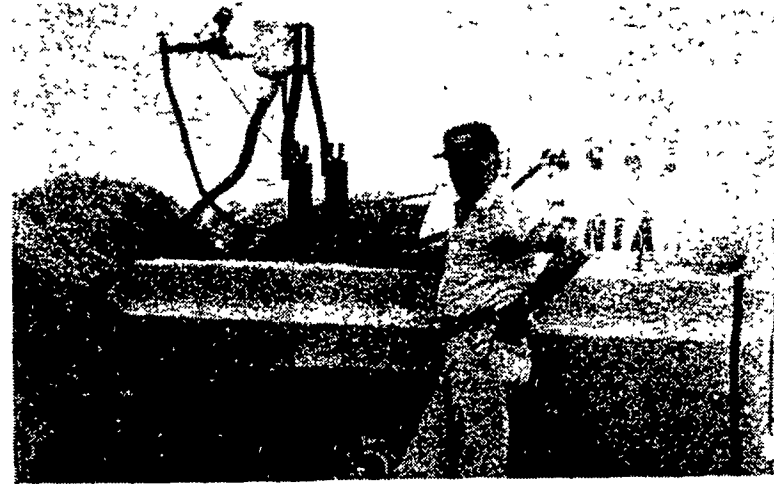
At the farm of Ken Groff, Kjelgaard, treated round bales of hay, haylage, and corn fodder with two levels of anhydrous ammonia. The 800 to 1000 pound bales were broken down into three treatment groups. One treatment received 9 pounds of anhydrous ammonia per bale, another 4.5 pounds per bale, and a control group of the same forage received no treatment.

The bales were tagged with the type of treatment applied to it. When Ken Groff feeds the bale to his dairy herd he will make visual observations and record them for

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The applicator mounted on the bed of a half ton pick-up is backed into a round bale for applying the anhydrous ammonia, used as a preservative and to increase the amount of protein contained in the bale.



Prof. Kjelgaard trips the valve on the cold flow applicator, demonstrating how the liquid and vapor phase of the anhydrous ammonia flows by gravity into the round bale.



Cooperating dairyman, Ken Groff, in the back, looks on as Professor Kjelgaard and his research assistant, seal a plastic bag around this bale after application of anhydrous ammonia.