



SENIOR BOYS at Ephrata High School get practical experience in repairing and trouble shooting of engines. John Merkey, (left) and Earl Stauffer have a motor apart for repairs. L. F. Photo

● **Herd Health**
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With the new forage testing abilities, Ace also expressed concern that much of the protein (60 per cent) available in corn silage is in the same form as Urea used in grain feeds. Urea is fine to feed to cows, but you can get too much of it. You must take into consideration the total ration (forage and short-feed) when deciding how much to use," he said.

A higher silage program multiplies your vitamin deficiency according to the specialist. "And vitamins play a more important role in herd health than we suspect," he said.

Ace also said that just because you have low moisture silage doesn't mean you don't have problems. With dry forage placed in the silo, he reported you get a heating action instead of bacteria change. This effects digestible protein.

The forage test may still return saying you have 12 per cent protein, but the heat may lower the part of the protein content the cow can use. "The

best all around silage has 65 to 70 per cent moisture contents," he said.

Sam Guss reported on the Bangs and Tuberculosis situation in Pennsylvania. A situation has arisen where herds are needing to be quarantined because heifers have been vaccinated too late and testing reaction is resulting when these animals are blood tested. "Don't vaccinate heifers that are one day over six months old," he said. "I pushed hard for vaccinations back when we needed it, but now we don't know where we stand because of late vaccinated heifers."

On the TB situation Guss said, "We have made a complete cycle. When TB was serious 20 to 30 years ago, we found infected herds in dark barns eating and drinking out of the same troughs. Then we went to nice barns with individual troughs and water bowls and now we are back to putting cows in holding pens so they can't get away from each other for several hours a day and feeding them out of the same feed and water troughs."

"The picture is not as bright

● **FFA**
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"Agri-Business Training Program." Students enrolled in this program attend regular school classes in the morning and after lunch report to the local business job. The on-job training provides further opportunity to "learn by doing". The program

runs for an eight week period (March 24 to May 16). Cooperating business include: farm machinery dealers, landscape firms, small engine repair shops, garden centers, feed mills, and golf courses.

The student here obviously has the chance to develop skills

that will prepare him for his role as an adult leader in Agriculture. As the FFA motto says, the young men in Agriculture at Ephrata High School have an opportunity — an opportunity to learn, an opportunity to do, an opportunity to earn, and an opportunity to serve.



MAINTENANCE AND ADJUSTMENT. The Junior FFA boys at Ephrata High School work on farm machinery as part of their shop and class work in the school's

Vo-Ag program. In the Lancaster Farming Photo above, Clayton Zeiset, (left) and Eugene Nolt work on a hay baler.

as we would like," he said. "Health charts are not worth the paper they are written on unless you know the veterin-

arian and the farmer they come from." "We really haven't done the job on the individual herd blood testing plan and this year they are going to enforce the

rules that have been in effect." "You will be requested to tell where every animal in your herd came from and where every animal went."

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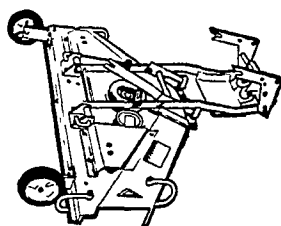
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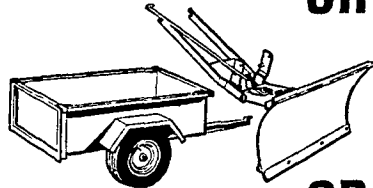
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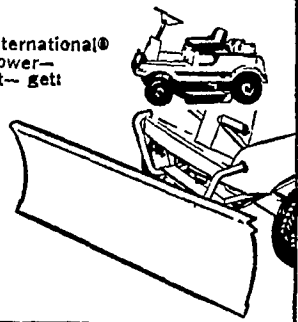
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