

● **Manheim FFA**

(Continued from Page 1)
 system, and electrical system. Fuel economy, with the factors that affect slippage and improper carburation, will be next on the list of studies. This series, will be followed by lubrication and the proper use of various kinds of grease and oils.
 During the entire program, safe handling of machinery and fuels is stressed, McGahen pointed out. Such things as filling the tractor fuel tank only when the machine is cold and not running, repairing leaks in the system as soon as they are noticed and taking care not

to over-flow the tank are stressed.
 The thing I have noticed most is that the boys wait too long to bring the machinery in, McGahen says. They wait until the tractor is in bad shape, and then it takes a lot of work to put it back in top notch order. He believes this a common failing among farmers. "I tell the boys, 'the best time to fix a leak in a fuel system is yesterday, and the next best time is right now'" McGahen says.
 Right now, the big push is on painting tractors, he says, but the shop program includes many other phases of farm shop practices.

During the first week of the school year, the seniors began their program with general shop organization and shop safety. Since that time they have studied farm electrical system and each boy has been required to wire four boxes, a switch, a receptacle and lights. Later in the year they will consider farm building construction and each boy will learn to stake out a building, set the footer and lay a wall of concrete blocks. Each student will prepare a bill of materials for a 14 x 26 foot farm building.
 Coupled with the two double periods of time in the farm shop, each of the students spends three double periods in classroom work learning the newest and most advanced general farm practices.

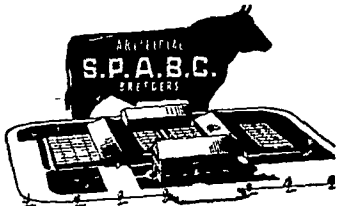


CLASSROOM INSTRUCTION IN FERTILIZERS and soil conditioning are a part of the vocational agriculture program at Manheim Central High School. Teacher of vocational agriculture, Harold McAllister, far right, explains the meaning of the large numbers on a fertilizer bag to a class of farm boys. The students, left to right, are John Swanger, Steven Sites, Raymond Myers, Kenneth Siegrist, James Gehman, David Sauder, Joseph Russell, David Enterline, and Jay Hershey, L. F. Photo

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The Mayflower was 90 feet long, 26 feet wide at the widest part, and drew 11 feet of water.

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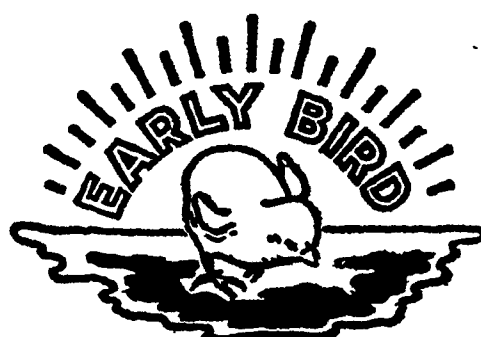
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