

Good Morning: 3,336 People Starved Last Night

Part II

ED NOTE: "Good Morning: 3,336 People Starved Last Night", is taken from a report by George C. Tolls, Manager of the Washington operation of Computer Usage Company, Inc. The report is titled, "Computers And Food".

The Common Herd - "Beware"

It might be safe and even comfortable for humans to be part of the common herd—but it's dangerous for a milk cow. It's no secret that in dairy farming the name of the game is productivity. The common herd is out. A farmer must make constant plans and utilize the latest technology to improve his herd. Computer usage is playing a significant role in this area in a massive Federal and State dairy herd improvement program.

CUC, working with the Dairy Herd Improvement Association, provides research, statistical and programming aid to im-

prove the efficiency of U.S. dairy herds. CUC provides production records from which the dairyman can cull low producing cows, feed each cow most economically, and select the animals from which he can breed replacements.

Essential to the production of high yield herds is the identification of superior bulls and cows. A bull can be evaluated only by analyzing the milk production records of his daughters. Cows are evaluated on the quantity and quality of their milk production.

Working with dairymen's figures and standard milk test results, CUC works on a Dairy Herd Improvement Registry for use by dairymen and artificial insemination organizations.

Does it work? According to the U.S. Department of Agriculture, the average production in DHIA herds (over 75,000 herds or about 3 million cows) is 4,000 pounds of milk per cow more

than the average for other U.S. cows.

The Good Earth

Like everything else, the good earth is as good as what you put into it—time, planning and above all fertilizer. Many of the large food produce firms have been using computers to improve crop quality and output for some time. At H. J. Heinz Company, computers are being used for nutrient analysis in 10 States. Using input such as soil analysis, fertilization history, crop rotation, and crops yield goals, computers print-out soil requirements almost instantly. The result—bigger, better and redder tomatoes. And more of them.

Working with W. R. Grace's

Washington Research Center, CUC analysts and programmers developed a statistical procedure which provides a quality control check on the manufacture of fertilizers.

You've seen ingredients and percentages listed on the labels of processed foods available in supermarkets. How do you know these data are accurate? To the crop farmer profit depends on getting maximum crop yield from minimum investment in seed, fertilizer, and labor. To him, the question of label reliability is one of economic survival.

Almost 200 fertilizer manufacturers and State agencies submit results of chemically anal-

alyzed fertilizer samples to the CUC developed computer program. Each sample is graded with all others, using the same methods of chemical analysis. Results are reported back to manufacturers and State agencies to permit appropriate action regarding the accuracy of manufacturing processes and testing programs.

It Ain't Chicken Feed

"If it ain't got corn or soybean meal in it — it ain't chicken feed." Many of the old timers will tell you that you can't grow healthy chickens without these ingredients. But experiments with birds at the University of Maryland proved you could.

What was the combination of feeds used? A mixture made up mostly of ground wheat and blood meal. And it took a computer to come up with it.

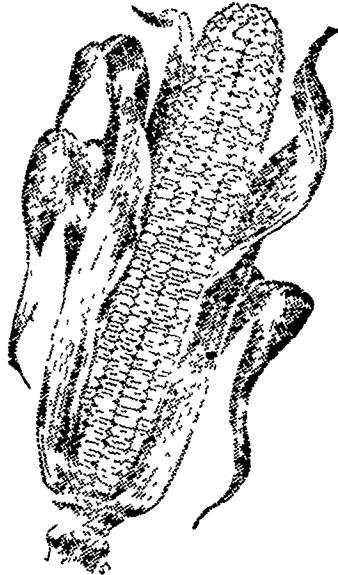
Poultry scientists asked the (Continued on Page 25)

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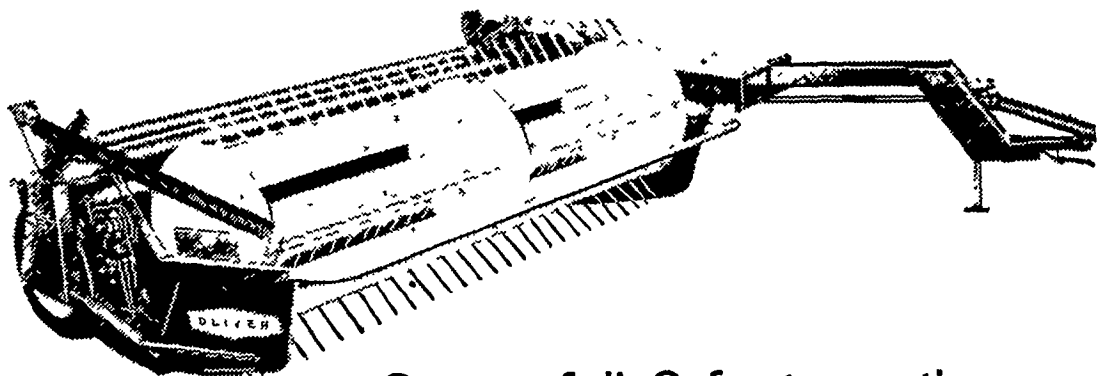
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