

# Dairy Husbandry-- Production & Technology

By J. W. Stull

Dairy Husbandry

Courses in husbandry of various types were among the first fields of study incorporated into the curricula of Land Grant Colleges nearly 100 years ago. What does a course in husbandry deal with?

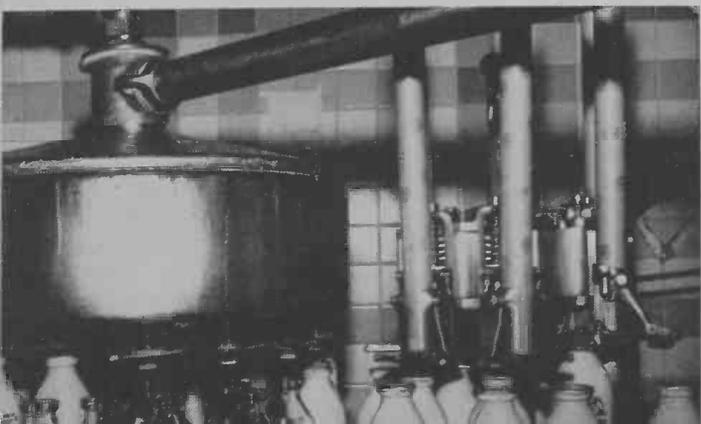
According to Webster, *husbandry* is the "business of a husbandman," and a *husbandman* is "a farmer; a cultivator or tiller of the ground." Dairy Husbandry comes down to being something about dairy farming. This comes close, but it is just about half of the story. Today, Dairy Husbandry has taken on the dual meaning of the business of producing milk on the farm together with the technology of processing, manufacturing and distributing the various dairy products — the entire dairy industry.

## Production and Technology

The present-day scope of the dairy industry is such that one person has little chance to keep up with all aspects of the two fields of production and technology. For that reason, students in the College of Agriculture at the University of Arizona who select a major in Dairy Husbandry can study in either of two fields — *dairy production* or *dairy technology*.

Food industries are, in general, some of the most stable types of business endeavors. The dairy industry, in particular, has grown and developed during the last century despite the general "ups and downs"

Below is a typical dairy manufacturing plant process. There are many types of employment opportunities in this field of dairy husbandry — dairy technology.



of business activity. This is due to a large extent to the fact that in the United States people always drink milk and there are always people — 6500 more each day than the day before or almost 2½ million more each year than the year before.

The steady growth and economic stability of the dairy industry is such that the demand for qualified personnel needed to fill openings in job opportunities is always greater than the supply of those adequately trained.

## Personnel Shortage

The dairy industry is concerned about the shortage of trained personnel. For that reason the Borden Company, New York, awards a \$300 scholarship each year to an outstanding senior student at the University. Also, soon to be announced are scholarships to be awarded by the Arizona Dairy Technology Society.

The Dairy Husbandry Department at the University of Arizona offers a four-year course of study which leads to the Bachelor of Science Degree and prepares a student for work in the positions listed below. A Master of Science Degree is offered for those who desire to continue their studies beyond the four-year course.

Students interested in Dairy Husbandry — production or technology — should contact the Department and arrange a program of study which will best prepare them for the needs of the dairy industry.

## OCCUPATIONS OPEN TO MAJORS IN DAIRY HUSBANDRY

### Dairy Technology

1. Processing
  - a. Laboratory Technician
  - b. Butter Maker
  - c. Ice Cream Maker
  - d. Cheese Maker
  - e. Pasteurizer
  - f. Condensed Milk Operator
  - g. Powdered Milk Operator
2. Inspection, Public Health and Sanitation
  - a. Dairy Plant Field Representative
  - b. Federal, State, and Municipal Inspector
  - c. Dairy Plant Inspector
3. Sales



▲ Alfred W. Austin of Scottsdale graduated this spring as a U of A College of Agriculture major in dairy husbandry. He has his own Guernsey herd near Scottsdale.

- a. Milk Products
- b. Dairy Plant Equipment and Dairy Plant Supplies
4. Personnel
  - a. Personnel Manager
  - b. Department Manager
  - c. Production Manager
  - d. General Manager
5. Promotion
  - a. Consumer Education
  - b. Dairy Products Organizations
6. Education
  - a. Research — Colleges, State and Federal Experiment Stations, Commercial
  - b. Teaching
  - c. Extension

### Dairy Production

1. Commercial Field
  - a. Dairy Farming
  - b. Dairy Cattle Breeding
  - c. Field Work
  - d. Sales
2. Education
  - a. Research — Colleges, State and Federal Experiment Stations, Commercial
  - b. Teaching
  - c. Extension

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