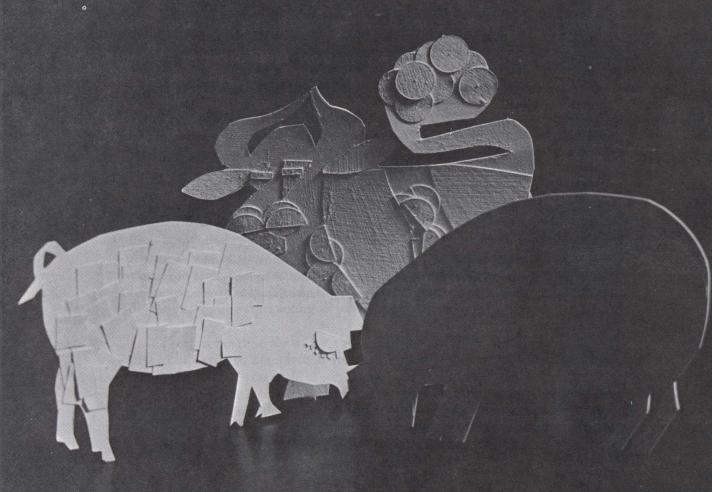
# 4-H Livestock Advancement Project Guide and Record



VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

EXTENSION DIVISION RECORD BOOK 86 SEPTEMBER 1971

#### LIVESTOCK PUBLICATIONS\*

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206	Feeding Ewes
207	Swine Evaluation
217	Internal Parasites of Swine
230	Virginia Swine Nutrition
258	Spraying Your Beef Cattle for Flies
310	Guarded Management for Swine Disease Prevention
312	Wintering Calves in Virginia
328	Lamb Feeding in Virginia
365	Sheep Management Schedule
385	Swine Management and Production Schedules for 3 and 4 Show
	Group Farrowing Systems
386	Crossbreeding Beef Cattle
394	Corn Silage and Beef Cattle

\*These publications, available from your Extension Agent, may be helpful for this project.

This publication was prepared by Dennis Rowan in cooperation with other members of the Animal Science Extension Staff. Ideas for this publication were obtained from similar publications from the Oregon State University Cooperative Extension Service.

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Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U. S. Department of Agriculture. W. E. Skelton, Dean, Extension Division, Cooperative Extension Service, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061.

## OBJECTIVES OF 4-H LIVESTOCK ADVANCEMENT PROJECT

- \*To help 4-H members learn more about the livestock industry
- \*To receive credit for extra work
- \*To allow members to advance according to ability and desire
- \*To explore possible careers in livestock production and marketing
- \*To establish "self motivation", a necessary ingredient in the livestock industry

The 4-H Livestock Advancement Project can be an important part of the livestock project(s) in which you are presently engaged. You must be currently enrolled in one of the 4-H beef, sheep, or swine projects. This is not a required project but if it is undertaken, it will be checked and considered as a part of your livestock projects for county and state awards.

Livestock project books as well as other publications can be used to obtain information for this project. You may also need to talk to your 4-H leader, Extension Agent, and other adults to acquire some information.

There are certain jobs that must be completed in each step of the Advancement Project. Each job, upon satisfactory completion, must be initialed by your leader. After the required number of jobs in each step have been completed, the record must be approved by your leader and Extension Agent. If you qualify, you will be given an Advancement Certificate for that step. The certificates for each step can only be awarded in ascending order beginning with Step No. I. However, you may complete some jobs at a higher step before completing all jobs in a lower step.

There is no time limit for the completion of each step, but an effort should be made to complete at least 1 step per year. You may complete the steps as rapidly as you wish.

You can meet many requirements by presenting illustrated talks to your fellow club members. In some cases, you may be able to complete more than 1 step with a single illustrated talk. Complete all the jobs listed, if you can. With your leader's approval you may substitute one or two jobs.

#### STEP I. ASSISTANT HERDSMAN

		Date Passed	Approved By
1		al ribani su s	
1.	Identify and describe 5 breeds of beef cattle.	<del></del>	
2.	Identify and describe 5 breeds of sheep.	ordiserig arch H <del>ornin</del> a	27 3 C 1 T
3.	Identify and describe 5 breeds of hogs.		nizwloł (
4.	Name, point out and spell the major parts of a live animal (beef, sheep, or swine).		
5.	Describe or explain the following: bull, cow, heifer, steer, ram, ewe, wether, boar, sow, gilt, and barrow.		
6.	Present a report on management of beef, sheep, or swine to your club.		ord sait instruction Co <del>portion</del>
7.	Provide adequate shelter for your project animals.	evil may he	TAL B < G
8.	Start a livestock library of books, magazines, bulletins, leaflets, 4-H club materials, etc.	mtermanica i	ki nisado
9.	Attend a feeder calf or feeder pig sale.		,2712161
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1.	y, you will be given an Advancement Certificate 1 chat-		
	s toragion supplied by the complete some jobs at a mp'ering all jobs in a lower sup		
	Name of Club Member	ge	
	qualified and has completed all requirements for STEF	I of the	4-H Livestock
	Again the second of the second		
App	proved By,		
	(Project Leader or teen leader)	County Ext	ension Agent)

### STEP II. HERDSMAN

			Date Passed	Approved By
	Learn the following parts of liv snout, crops, loin, twist, dock, and dew claw.		sdS vSec.	unte palue
•	Describe and tell the use of the livestock equipment: tattoo ins stick, emasculator, Barnes dehor feeder, stock chute, and farrowi	trument, show mer, creep		in or the man of serie military
	Learn and explain the USDA slaug cattle, hogs, and sheep.	hter grades of		obaciona sa noi sali
,	Control at least 1 type of paras report your methods to your club	. sperm, craty,	19095 , 31,	/1691 pour 15
	Attend a livestock tour or field	day		jaon jausi Tuga k bas
,	Describe how to tell the age of by their teeth.	livestock		
	Identify and locate the wholesal		ms_listev	, alwersla
			.533 ap. 1 33.	e sis stat
	Tour a purebred livestock operat	ion.		cacion. Est sp. and swin
the	ers:			
	Name of Club Member	Age		
s	qualified and has completed all r		II of the	
	for SIEP III of the 4-W Livestock	_		
10	ancement Project(Date)	· · · · · · · · · · · · · · · · · · ·		
	roved By			

#### STEP III. ASSISTANT LIVESTOCK MANAGER

		Date Passed	Approved By
1.	Describe the control of 3 external or internal parasites.		*
2.	Identify and locate the wholesale cuts of pork.	- W- 11 0± 12	
3.	Within 2 week's time, determine the price of choice slaughter cattle and price of choice beef cuts in a grocery or meat store. Explain the differences.		
4.	Participate in a livestock judging or evaluation program.	austrutellut Helenaldisch	ca wer would
5.	Describe or define the following terms: scrotum, testicle, semen, sperm, ovary, ovulate, ovum, fetus, and uterus.	- 3/2	i na Toddinae nad megad
6.	Attend a purebred livestock sale.		
7.	Explain why each of the following are important in a livestock ration: proteins, carbohydrates, fat, minerals, water, and vitamins. Name some feeds that supply each of the above.	godd Harri	and an expensive
8.	Explain the heat (estrous) cycle, heat period and gestation. Give the length of each for cattle, sheep and swine.	Esperie Co	dagoo e too
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9.			
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	. 537	st Crub Membe	
	Name of Club Member	Age	
is	qualified and has completed all requirements for STE	P III of the	-H Livestock
Adv	ancement Project .		
	(Date)		
App	roved By,	(County Exter	sion Acont)
	(110]cct reader or reen reader)	(Sounty Exter	re Ton Walnut)

### STEP IV. LIVESTOCK MANAGER

	Date Passed	Approved By
<ol> <li>Tour a meat packing plant, freezer, or locker plant, and report to your club.</li> </ol>		
<ol><li>Cook and serve beef, lamb, or pork to your family or friends.</li></ol>		
<ol> <li>Prepare a 4-H memory book or accumulated livestock achievement book.</li> </ol>	-1	
4. Visit a grocery or meat store and obtain the prices of the various retail cuts of beef, lamb, or pork. Explain where each was derived from the live animal and explain the difference in price between cuts.		
5. Become a 4-H teen leader.		
6. Help one or more younger members with their livestock projects.		
7. Attend a sale for slaughter animals.		
8. Prepare a paper (500 words or more) and give a report on one of the following topics:	N. A. op.	
1) General management of one kind of livestock		
2) Reproduction, breeding, and genetics		
3) Livestock feeds, feeding, and nutrition		
4) Prevention and control of diseases in one kind of livestock.		
Others:		
9		
10		
Name of Club Member	Age'	
is qualified and has completed all requirements for ST	EP IV of the	4-H Livestock
Advancement project (Date)		
Annual Pro		
Approved By (Project leader or teen leader)	(County Fy	tension Agent)

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