

**HARVEY AGRICULTURAL
SENIOR HIGH SCHOOL**



**FIELD
DAY**

**THURSDAY,
OCTOBER 10TH, 1985**



Harvey, Western Australia
Telephone (097) 29 1302

HARVEY AGRICULTURAL SENIOR HIGH SCHOOL

Welcome to the Agricultural Wing of Harvey Agricultural Senior High School. The school offers a course of two years duration and its main aim is to provide a sound education in modern agricultural theory and practice for students who return to their parents' properties or who seek a future in rural activities. The courses are moderated by the Secondary Education Authority and lead to a Certificate of Secondary Education.

The school, once an Internment Camp, an Army Camp and a Commonwealth Rural Training Establishment, has developed since it began in 1953 into a fine, well-equipped, diversified educational institution. It is situated in a picturesque setting on the river banks and surrounded by some of the most productive farmlands in the state.

The school is proud of the part it plays in Agricultural Education and each year sends forth young men who will contribute to their respective communities and who will take their place among the leading citizens of the future.

PROGRAMME

10.30 a.m.	Manual Arts and Classrooms
11.30 a.m.	Official opening
12 noon	Lunch
1.00 p.m.	Farm activities
2.45 p.m.	Afternoon Teas

HARVEY AGRICULTURAL SENIOR HIGH SCHOOL

AGRICULTURAL WING ADVISORY COUNCIL:

J. Blackburn
L.G. Knight
W.K. Russell

A. Cunningham
J.M. Lowe
D.E. Vass

I.R. Eckersley
I.W. Manning

STAFF:

F. Quinlivan
A. Bolton
J. Godfrey
C. Hanrahan
L. McArthur
R. McManus
W. Ward
R. Willmott
P. Egerton-Green
L. Patroni
P. Bass
J. Cochrane
C. Landwehr
C. Murray
D. Philipps
W. Cordner
P. Davidson
R. Domney
D. Rakich
B. Russell
R. Trouchet
G. Wheeler
J. Puzey

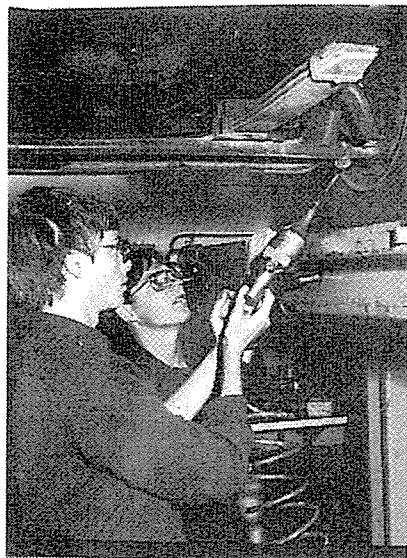
— Principal
— Senior Master
— Farm Supervisor
— English
— English
— Manual Arts
— Agriculture
— Manual Arts
— Acting Farm Supervisor
— Acting Assistant Farm Supervisor
— Demonstrator
— Demonstrator
— Demonstrator
— Demonstrator
— Relief Demonstrator
— Housemaster
— Housemaster
— Housemaster
— Housemaster
— Housemaster
— Housemaster
— Housemaster
— Secretary



Back:
Front:

J. Norton, G. Miller, C. Brand, P. Hick, J. Evans.
T. Curtis (Vice-Captain), A. Bolton (Senior Master), N. Broad (School Captain).

PREFECTS



RESIDENTIAL ORGANIZATION

The school is a boarding institution with accommodation for 48 students.

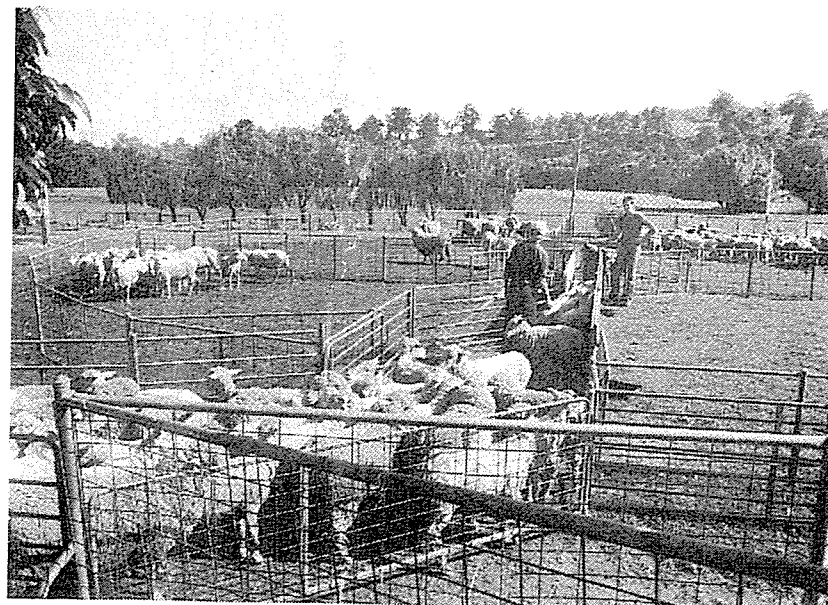
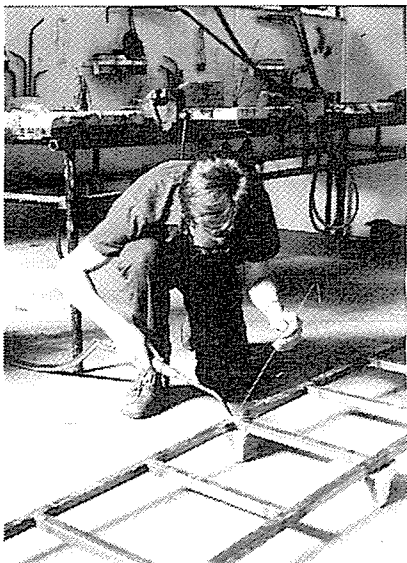
Housemasters supervise the students in the time outside school hours. All students are required to do a minimum of 1½ hours of homework on weekday evenings.

Recreational time is spent in voluntary periods of sport every weekday afternoon. The school is represented in local Football and has two Basketball teams in the local competition.

On weekends, students are involved in many outdoor activities such as Camping trips, Canoeing, Motor Cycle Riding, Surfing and other sporting activities.

Leisure activities include shopping on Saturday mornings in Harvey or Bunbury, dances, barbecues, pool, tennis, trips to car and motor cycle racing, excursions to shows, roller skating in Perth and Bunbury, etc.

Students are involved in normal upper school sports with Town Wing students each Wednesday afternoon.



THE COLLEGE

The school offers courses in Education subjects, all of which to 100% of the marks are accumulated from assignments, practical work and topic tests. The other 0 to 50% in each subject is externally assessed by the Board of Secondary Education to moderate the subjects.

certificate of Secondary Education subjects, 50% throughout the two years and topic tests. The other 50% is assessed by tests which are assessed by the Board of Secondary Education to moderate the subjects.

CLASSROOM SUBJECTS:

ANIMAL HUSBANDRY: General principles of physiology and specific husbandry of sheep, cattle, pigs and poultry are covered in this subject. Feeding, breeding and animal health are treated in detail.

CROPS AND PASTURES: This subject deals generally with environmental factors of W.A. agriculture, such as soils and climate. Specific topics treated in detail include fertilizers, weeds, pests, crops and pasture management, soil and salt management.

GENERAL ENGLISH: The emphasis in this subject is on the improvement of student's skill in listening, oral fluency, reading ability, written communication and critical thinking. Particular attention is given to the interpretation and appreciation of the various forms of media.

COMPUTER AWARENESS: With the purchase of 'Microbee' micro-computers, a computer awareness course has been initiated at the school for both Year 11 and 12 students. Students are given theoretic and practical experience in using software programmes applicable to agriculture, and use of the computer after hours is encouraged by a booking/licensing system. Results from this option are included in school assessment.

HORTICULTURE: One period per week has been allocated to the study of horticulture this year. The work has been concentrated at vegetables, studying seasonal plantings, weed control, disease and pests. Constant recording of harvest yields, fertilisers and their costs. Market prices for each group will be monitored throughout the year.

POTATOES: The students in conjunction with Mr. Bolton and Mr. Patroni are growing almost the total school requirements. Different varieties being grown are Delaware, Cadima, Norland and Sebago. It is proposed to plant a bag of Kenbeck potatoes next year to give students the opportunity to see all five varieties growing together.

STUDENT POULTRY ENTERPRISE: This enterprise is run by the students and supervised by teaching staff. Over 500 broiler chickens are grown from one-day old chicks for 7 to 9 weeks in an intensive deep-litter shed, one shed full per term. Commercial crumbles and pellets are fed, and water is by an automatic gravity-fed system. The birds are slaughtered at about 2kg in weight by the students, with the aid of a mechanised plucker and the facilities of the slaughter house.

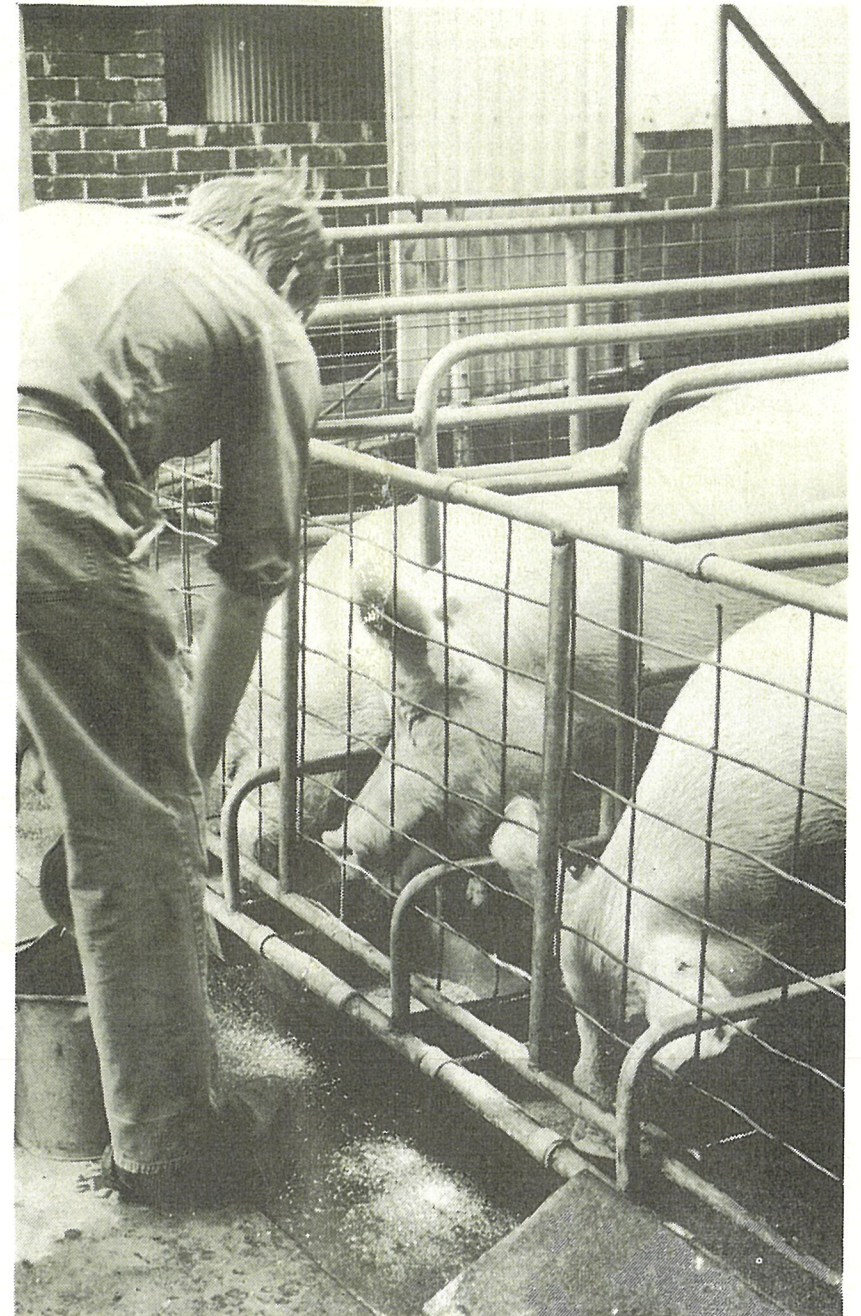
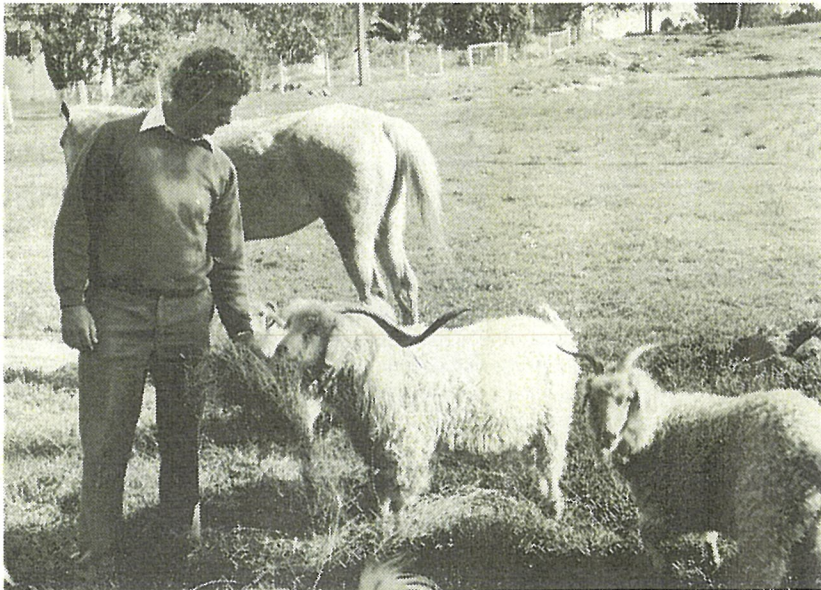


VEGETABLES: The following vegetables are being grown in the garden at present; broad beans, buttern squash, broccoli, beetroot, carrots, capsicum, cabbages, cauliflower, cucumber, lettuce, onions — brown and white, silver chives, parsnips, peas, potatoes, pumpkin, butter beans, melons, sunflower, sweet corn, tomatoes, and zucchini.

The tomato crop yielded very well again this year. The sweet corn was harvested over the Christmas vacation. Over 1,800 cobs were picked, blanched and frozen.



ANGORA
STUDY
GROUP



Students spend approximately half of their time in the classroom and in addition studies in these subjects are supplemented by practical activities on the School Farm. Excursions are made to local farms, associated industries and field days.

In addition, Year 12 students' experience is broadened by students staying on a local farm for one week, gaining first hand experience of farm management on a commercial enterprise.

Lectures are presented by visiting guest speakers from the Agricultural Department on topics such as animal health, vermin and weed control, soil conservation, soil sampling, plant sampling, etc.

All students receive the Department of Agriculture's 'Farm Notes'.



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MOTORS AND MACHINES

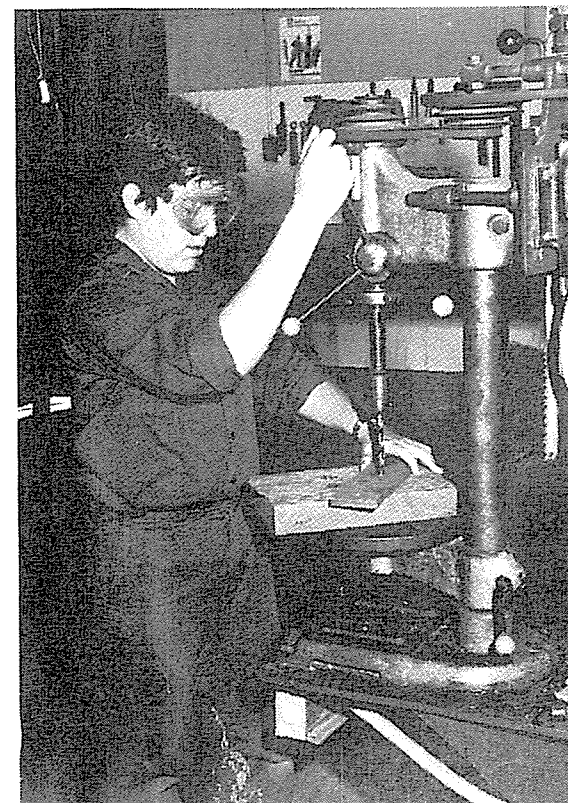
The emphasis in this subject is on the maintenance of vehicles and farm machinery. This aim is achieved by students servicing and maintaining all school vehicles and machinery. Some modification and construction of simple machines is also completed. The principles of operation and maintenance of engines and machines are also treated in theory sessions and run parallel with the practical activities where possible.

FARM CONSTRUCTION

This course is concerned with the practical and the theoretical aspects of farm building construction. Students learn the basic skills of working with metals (such as welding), wood, concrete, etc., and apply them in the construction of student models and school farm building.

This year students have been involved in the construction of the new slaughterhouse and the new farm office.

A four year programme to build a new dairy will begin next year as part of Farm Construction.



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FARM PRACTICE

Students are rostered in rotation to each of the various farm sections where they perform the routine and seasonal operations under the supervision of farm demonstrators. This practical work is supplemented by the comprehensive programme of demonstrations of farm operations. Marks in this subject are based on weekly assessments of performance and rostered tasks and on proficiency tests of specific selected skills such as shearing, tractor skill, gilt and heifer selection, fencing, etc.



THE FARM

General farm policy is recommended by the Advisory Council and is implemented by the Farm Supervisor. The farm consists of approximately 200 hectares of which 12 are irrigated. Included in the 200 hectares is a temporary lease of 20 hectares on the old golf course. The school also has the use of a 4 hectare block at Cookernup.

An arrangement has been struck with the Fisheries and Wildlife Department for the school to farm an area of Bengier Swamp.

DAIRY HERD

The farm runs a herd of about 25 Friesian milkers. Grade cows are being phased out in favour of registered females. Foundation stock for the herd were donated by members of the Friesian Cattle Club. Full production records are maintained. They are all artificially inseminated. A proportion of the herd (lower producers) to Poll Hereford semen to produce replacements for the beef herd.

BEEF HERD

The beef herd consists of 25 breeders. Hereford X Friesian cows are mated to a Murray Grey bull, whilst heifers of similar breeding are inseminated with Murray Grey semen. Calves and dams are weighed monthly to allow breed comparisons to be made and to assist in culling. Some beasts are fattened in a lot feeder.

PIGS

The breeding herd consists of 6 sows — Large White and Large White X Canadian Berkshire mated to a Large White boar. Progeny for rations or sale are mostly carried through to baconer weight.

SHEEP

The school has flocks of Merino, Romney, Romney X Merino and Border Leicester X Merino ewes of 300 in total. The ewes are mated to Poll Dorset, Romney and Suffolk rams. The various breeds are compared in wool and fat lamb production and also provide the students with shearing and wool classing experience. The sheep breeding policy has been revised. Basically the same breeds of sheep are to be used in a restructured breeding plan.

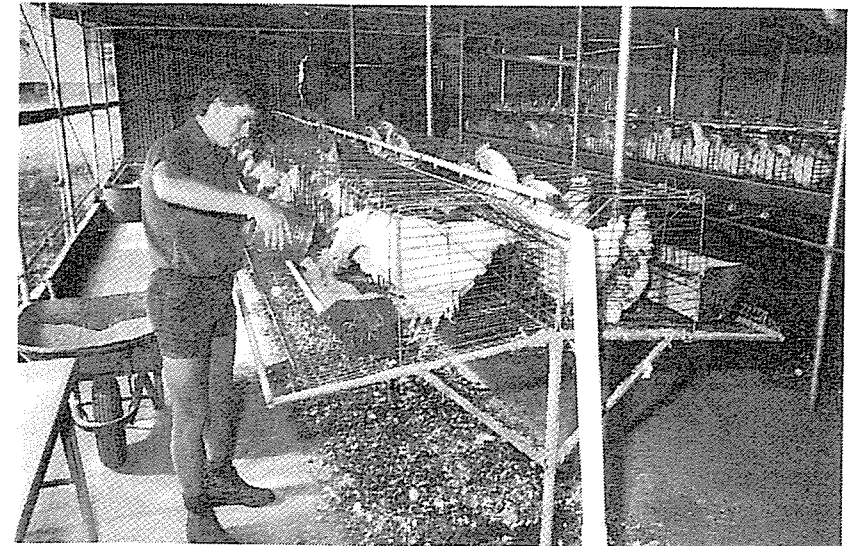
A small Romney Stud has been well supported by various Romney Breeders, who have kindly donated 18 ewes to form the nucleus of our stud flock, also 6 ewes were purchased from Injemira Stud, Victoria.

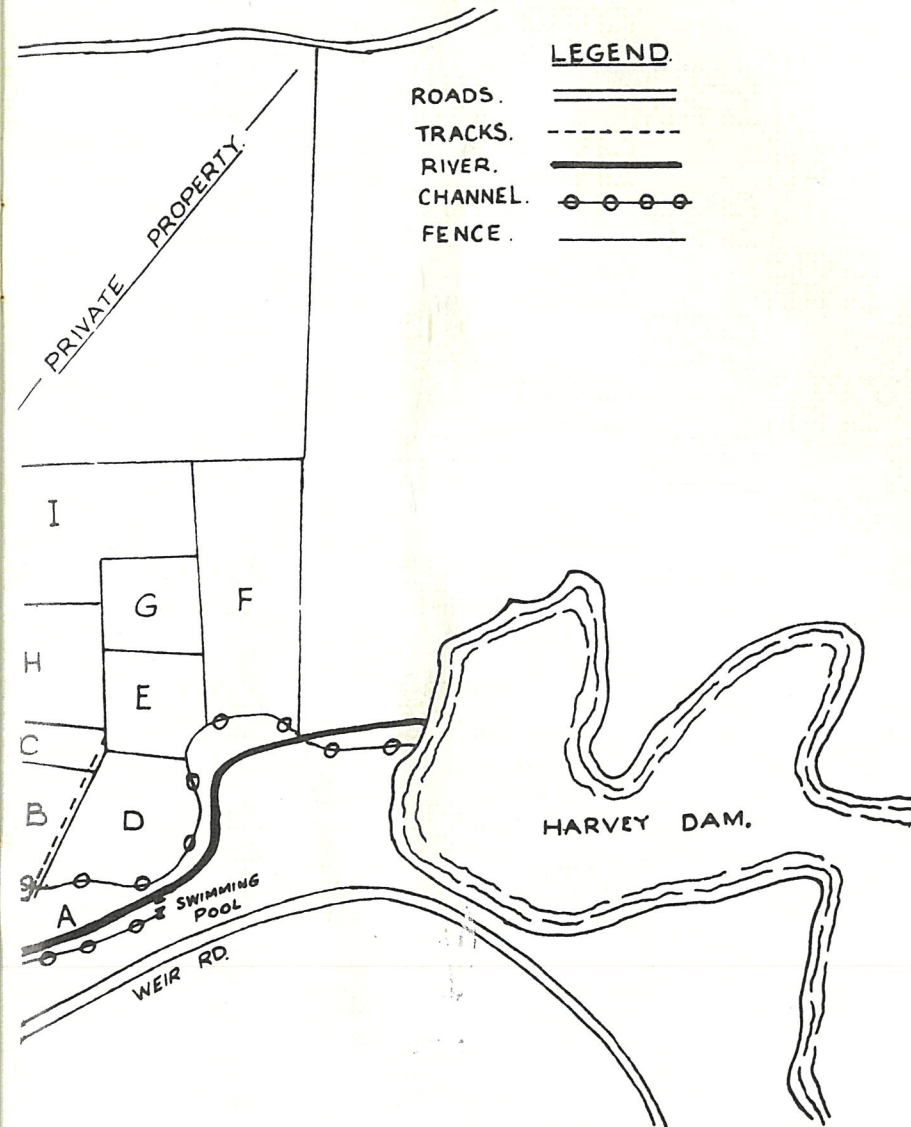
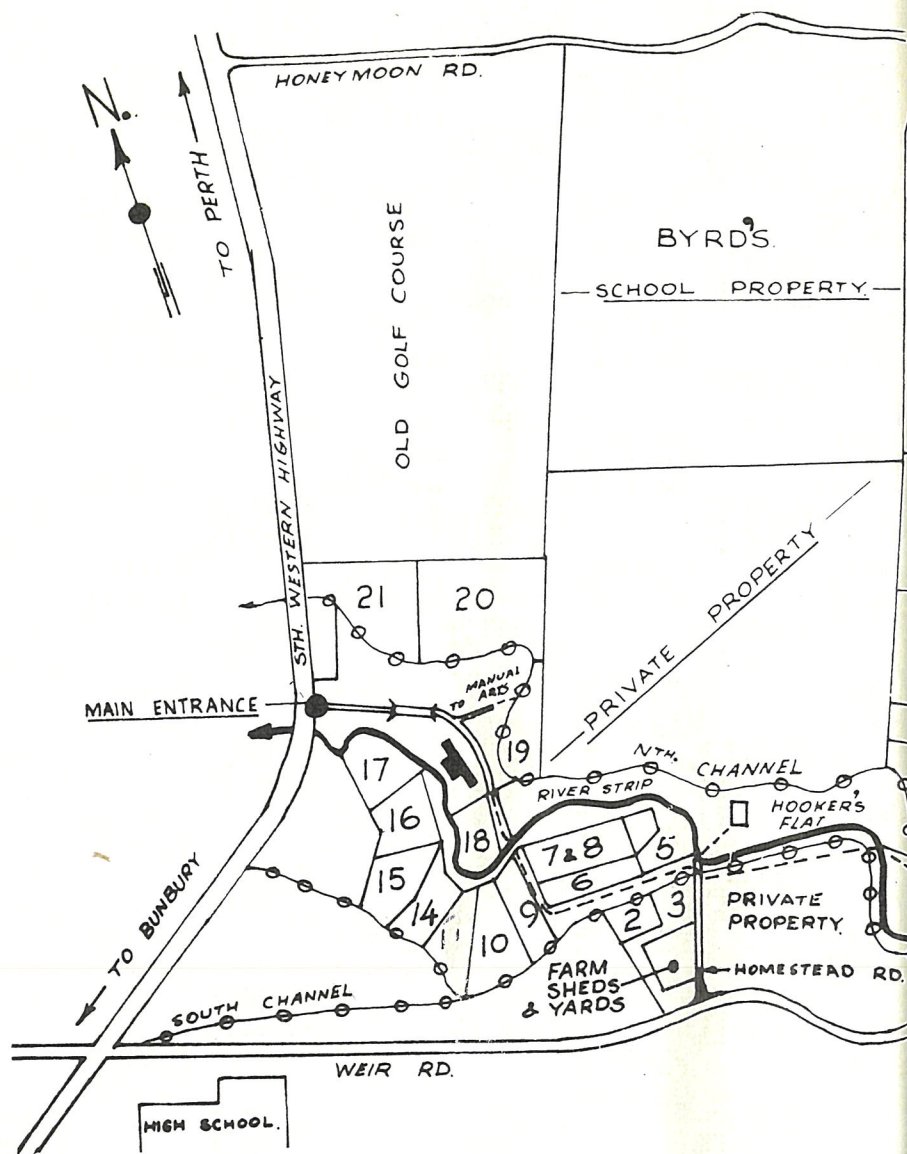
The nucleus of a carpet wool flock has been bred, using a Drysdale sire over Romney ewes. An upgrading from this nucleus will follow.

POULTRY

The poultry unit contains 50 Australorp-White Leghorn cross birds which are reared from day-old chicks. The birds are housed in cages or on deep litter and production from both types of housing is recorded.

A small batch of broilers are raised and dressed for use in the kitchen. Growth rates and food consumption are recorded to allow for an economical analysis.





SLAUGHTERHOUSE

Students are involved in the slaughter of pigs, sheep and beasts. The butcher shop is producing a variety of cuts of meat. Students also learn how to produce bacon, ham, sausages and corned meats.



ORCHARD

Citrus, stone and pome fruits are maintained under the sod culture principle and several grape varieties have been planted. Students are involved with citrus budding for a take-home product. The school's policy on all aspects of Horticulture is currently under review.

CROPPING

A number of forage crops are grown for silage and hay. To boost production from our irrigation land an area is treated with Roundup herbicide at 1/2 litre/hectare to retard kikuyu growth. This land is then sown with oats or barley over Wimmera rye and sub-clover. The crop is used for winter grazing then cut for silage.

This year approximately 6 hectares of Bengier Swamp will be sown to Sudax. This crop is to augment the school's hay supply. Large round bales shall be the method of conservation.

