

**HARVEY AGRICULTURAL
SENIOR HIGH SCHOOL
AGRICULTURAL WING**



**GRADUATION/
FIELD DAY**

**Saturday,
5th November, 1988**



**Harvey, Western Australia
Telephone 097 - 29 1302**



Mr. BRIAN WANSBROUGH
Principal 1987-88

FROM THE PRINCIPAL

At the end of what is my second and final year at Harvey Agricultural Senior High School, I would like to thank the support of the Advisory Council. Over the two years we attempted to persuade a wide range of people that the best interests of the Agricultural Wing would be served by leaving the present High School — Ag. Wing organisation intact. It was therefore rewarding to hear Dr. Carmel Lawrence state at the Farmers' Dinner that there would be no change to Harvey, regardless of whatever changes are made to Agricultural Schools generally.

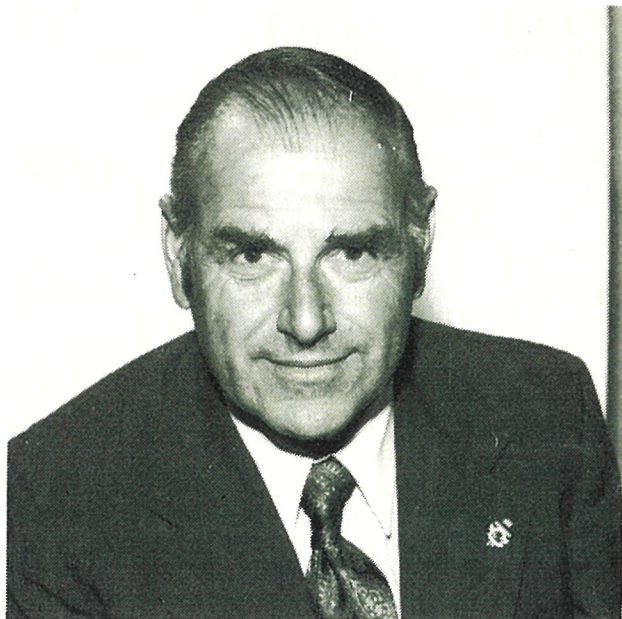
I would also like to thank Adrian Bolton, Paul Egerton-Green and Lyndon Patroni for their support through 1987-88 and all members of the farm and kitchen staff. Their enthusiasm and efficiency has been greatly appreciated.

My initial impression of the Agricultural Wing early in 1987 was that it was running most efficiently, that feeling has not diminished. Harvey Agricultural Wing serves the farming community well; graduates of the school find ready employment indicating an acceptance by farmers generally.

Over the last two years when other schools have faced declining numbers, applications for Harvey have increased, which indicates our reputation is high in the rural areas.

During the year the school lost its longest serving member of the Advisory Council, Iven Manning. His contribution to the school of 35 years was immense and he will be sorely missed. It was very fitting that his last major function at the Agricultural Wing was as guest speaker at the Inaugural "Old Boys' Dinner". It is hoped this body will grow and reflect the ideas that Iven fought to uphold over so many years.

BRIAN WANSBROUGH,
Principal



THE LATE MR. IVEN MANNING
Foundation Member of the Advisory Council

IVEN WEMYSS MANNING

SCHOOL BENEFACTOR 7/6/1918 — 20/7/1988

Iven was an achiever with a very active mind who never stopped learning, his desire to serve, never faltered. Whatever he did it was done with enthusiasm and pride.

Iven was a foundation member of the Harvey Junior Farmers' Club, now Rural Youth and was a life member.

He enlisted in the Army in 1940, serving 4 years, 2 years of which were in the Middle East with the 2/28 Battalion. He was seriously wounded in the battle of Ruin Ridge in Egypt in July 1942.

Iven was elected to the Legislative Assembly in 1950 and served the Harvey District and the State until 1974 when he retired.

Rotary played a large part in his life and his disability never kept him off the sporting field. He played cricket for Uduc, both batting and bowling. His goal-keeping in hockey is known far and wide. He loved playing golf in recent years, and also enjoyed rifle shooting.

As a founding member of Agricultural Schools, Iven's involvement spanned 33 years. He was very proud of every student who passed through the school and often met men around the State who would say "Goodday, Mr. Manning, I went to Harvey Ag. School", fine, well dressed young men, keeping the country working. Iven's own desire to continually learn so he could serve, was vital to him, as it is to his beloved Ag. School.

The guard of honour for Iven at his funeral was a fitting tribute of respect, by the young men of the Agricultural School.

HARVEY AGRICULTURAL SENIOR HIGH SCHOOL Agricultural Wing

ADVISORY COUNCIL

J. Blackburn	A. Cunningham	I.R. Eckersley
L.G. Knight	J.M. Lowe	W.K. Russell
D.E. Vass		

STAFF

B. Wansbrough	Principal
A. Bolton	Senior Master
P. Egerton-Green	Farm Supervisor
A. Wilkinson	English
J. Potter	English
R. Hadfield	Agriculture
R. McManus	Manual Arts
R. Willmott	Manual Arts
L. Patroni	Assistant Farm Supervisor
P. Bass	Demonstrator
R. Withers	Demonstrator
C. Landwehr	Demonstrator
M. Flaherty	Demonstrator
A. Howard	Relief Demonstrator
D. Demeo	Housemaster
E. Syme	Housemaster
B. Russell	Housemaster
M. Strong	Housemaster
L. Conti	Housemaster
B. McCowan	Housemaster
J. Jasper	Secretary

RESIDENTIAL ORGANIZATION

The school is a boarding institution with accommodation for 50 students and is also taking four students as non-boarders. This year 2 female day students attended the Agricultural Wing for the first time.

Housemasters supervise the students in the time outside school hours. All students are required to do a minimum of 1 1/2 hours of homework on weekday evenings.

Recreational time is spent in voluntary periods of sport every weekday afternoon. Students from the school play Football, Cricket and Hockey in the local competitions.

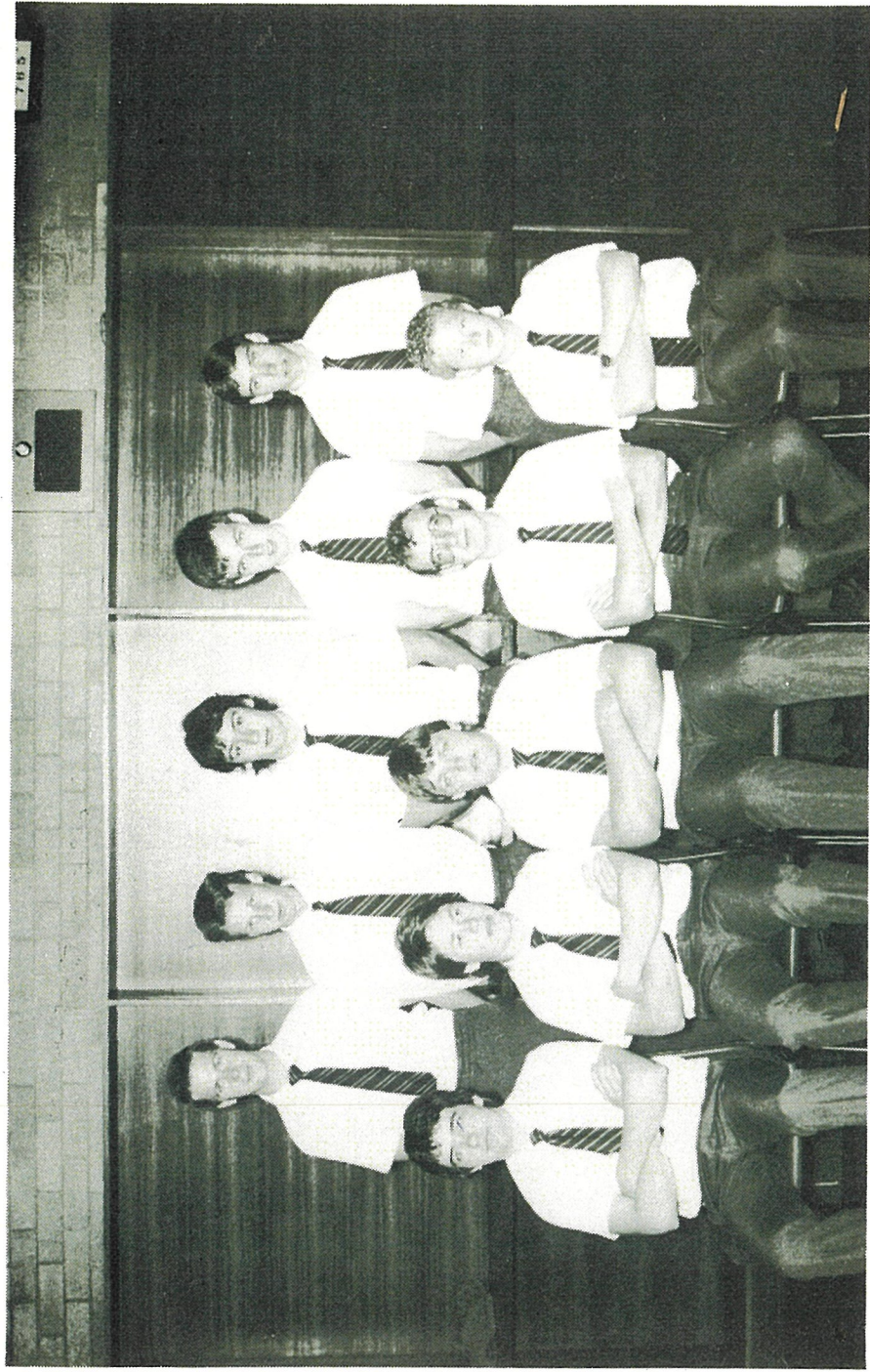
On weekends students are involved in many outdoor activities such as Survival camps, Camping Trips on the Bibbulmun Trail, Motor-cycle riding, Swimming, Surfing and other sporting activities. Leisure activities include shopping on Saturday mornings in Harvey or Bunbury, dances, barbecues, pool, tennis, trips to car and motorcycle racing, drag 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 and regular full school assemblies. The Agricultural Wing students also participate in house and inter school sporting competitions.



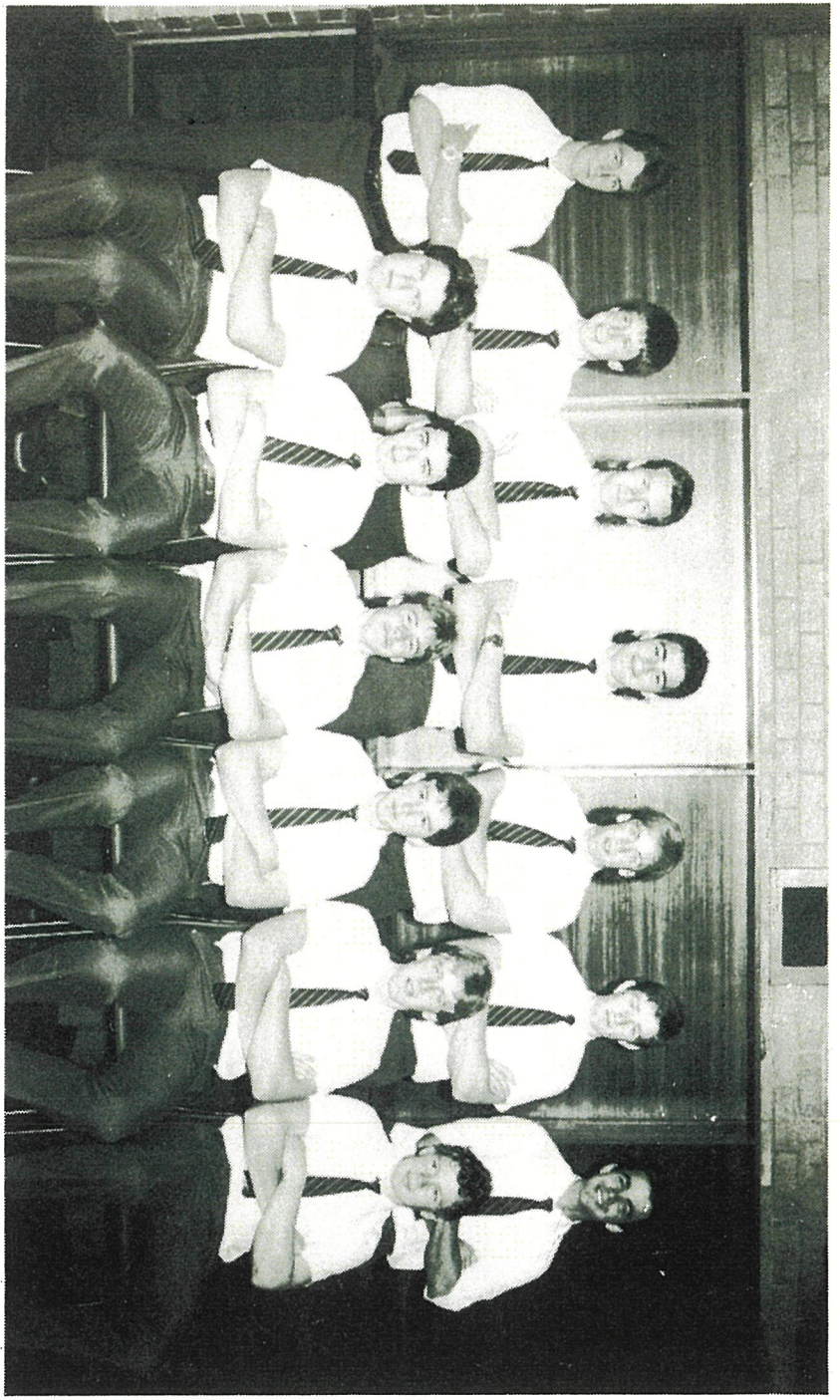
HOUSEMASTERS

Back Row: B. Russell, E. Syme.
Front Row: L. Conti, D. Demeo, M. Strong.
(Absent): B. McCowan.



YEAR 12's 1988

Back Row: Joseph Lockwood, Michael Blechynden, Tom Ward, Jason Beames, Patrick Robinson.
 Front Row: Neil Hose, Glen Wilson (V-Capt.), Craig Foster (Capt.), Paul Steele, Brett Harvey.



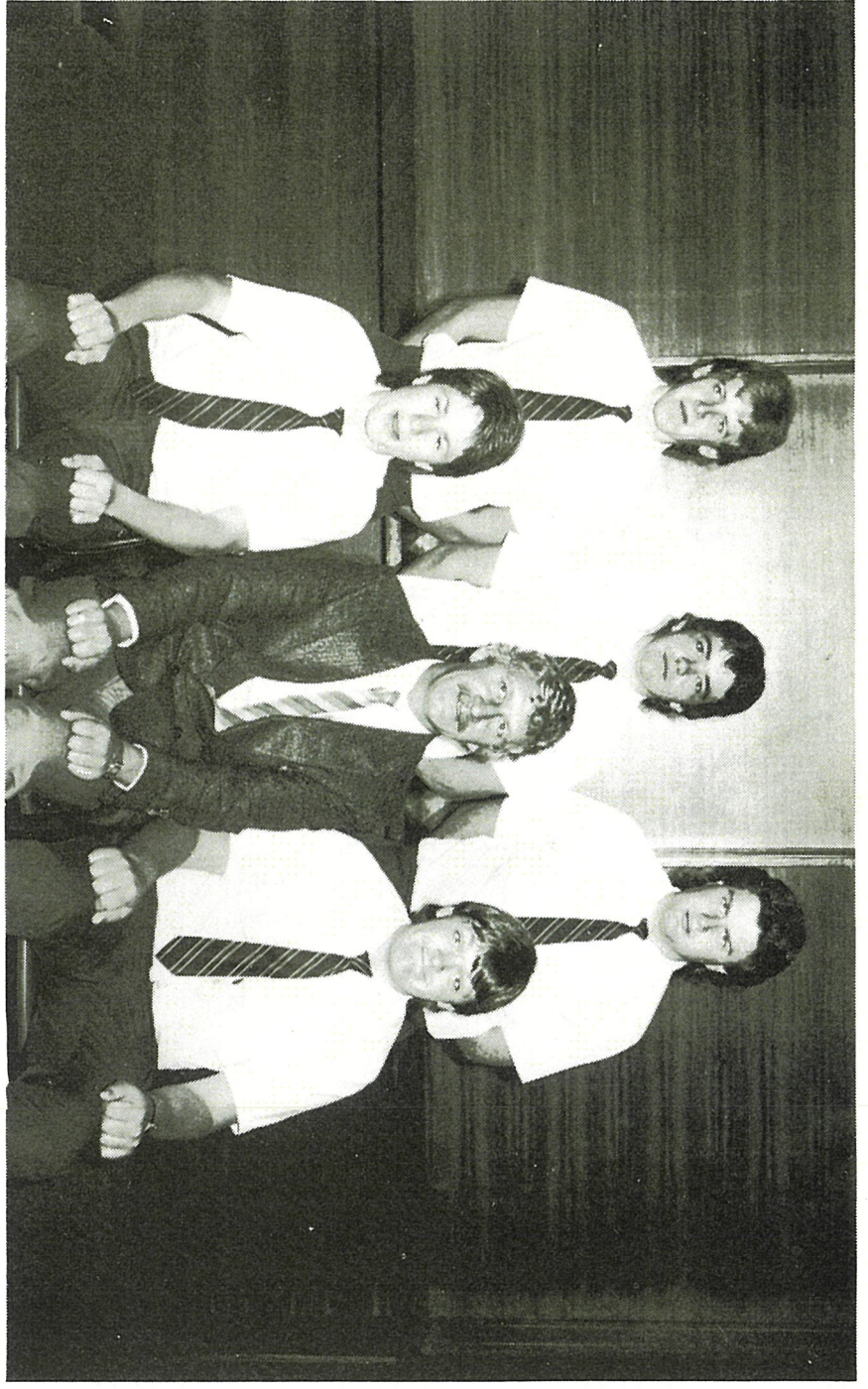
YEAR 12's 1988

Back Row: Bruno Rikil, Robert Harding, Dirk Hardey, Darren Green, Dougal Bennett, Richard Mulcahy,
 Warren Bartlett-Torr.
 Front Row: Andrew Ricetti, Rodney Dall, Mark Randall, Michael Munday, Damion Jorgensen,
 Michael Hoek.



TEACHING STAFF

Back Row: R. Willmott, R. Hadfield, R. McManus.
 Front Row: J. Bolton, A. Bolton, P. Papiccio, A. Wilkinson.
 Absent: G. Stevens.



PREFECTS

Back Row: Damian Jorgensen, Neil Hosey, Andrew Ricetti.
 Front Row: Glenn Wilson (V-Capt.), Mr. A. Bolton (Senior Master), Craig Foster (Capt.).

THE COURSE

The School offers courses in eight Certificate of Secondary Education subjects in Year 11 and seven in Year 12, all of which are school assessed subjects. 100% of the marks are accumulated throughout the years course from assignments, spot tests, topic tests work sheets and practical work.

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 WA agriculture, such as soils and climate. Specific topics treated in detail include fertilizers, weeds, pests, crops and pasture management, soil and salt management.

SENIOR 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. Students can opt to take the T.E.E. English course instead of Senior English.

COMPUTER AWARENESS: With the purchase of Mimrod micro-computers, a computer awareness course has been initiated at the school for Year 12 students. Students are given theoretic and practical experience in using software programmes applicable to agriculture. Results from this option are included in school assessment for Farm Economics.

APPLYING MATHEMATICS: Students in Year Eleven are required to complete the Year Eleven course in this subject. It is designed to give students a greater understanding of mathematics as applied to the Agricultural areas of work. More able students are to be given the opportunity to study Maths 1.

FARM ECONOMICS AND MANAGEMENT: Students study in the following areas, the farm business, sources of finance, sources of data, financial protection, product marketing and farming as a social system in Year Eleven. In the Year Twelve course Administration and Records, taxation and planning and budgeting in the farm business.



Students at the Dowerin Field Day
Dean Taaffe and Luke Norton

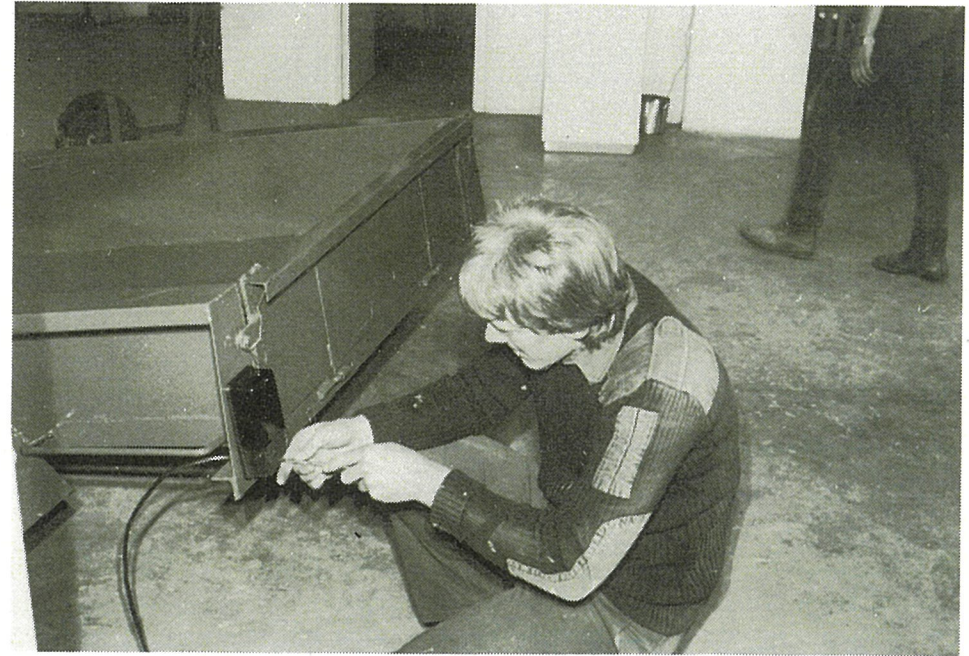
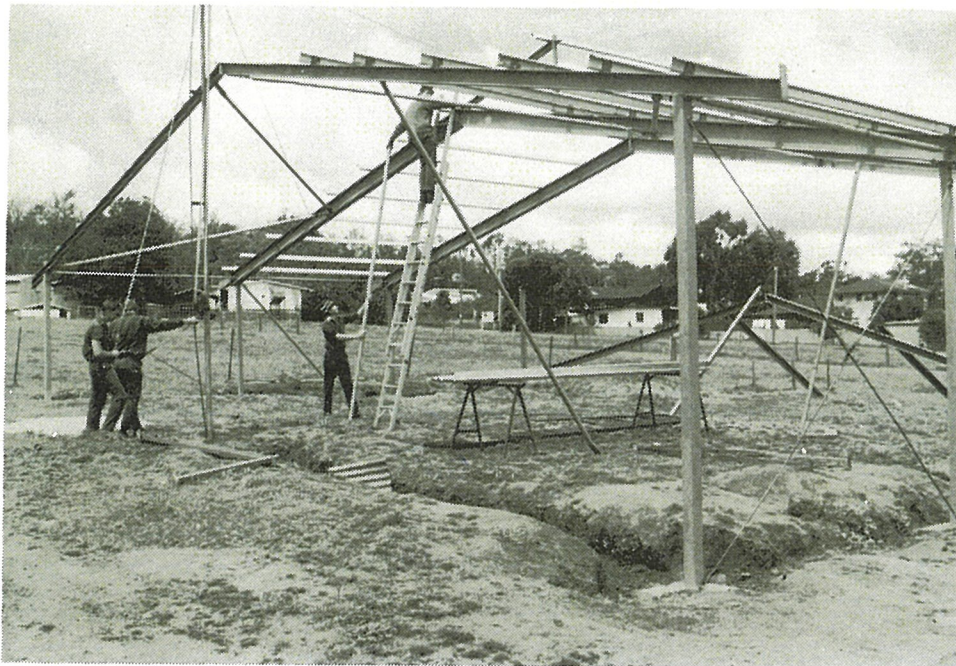
FARM VEHICLES AND MACHINES

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 students models and school farm building.

Work this year included fabrication and erection of the steel work for the new Dairy. Other work was the construction of a dry store room for the Butchers Shop.



STUDENT POULTRY ENTERPRISE

This enterprise is run by the students and supervised by Mr. Hadfield. 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 (dressed) by the students, with the aid of a mechanised plucker and the facilities of the slaughter house.

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, Declared Pests, weed control, soil conservation, soil sampling, plant sampling, etc. Officers of the Bush Fires Board lecture and demonstrate techniques for the prevention and control of bush fires. In addition this year we were fortunate to obtain the services of the Computer Aided Livestock Marketing group who ran a course for our Year 12 students.

All students receive the Department of Agriculture's 'Farm Notes' to keep them abreast of the latest developments in agriculture.

Students are encouraged to use the Agdex file, journals and reference collection in the school's library in the compilation of regular written assignments. Year 12 students have their major Crops and Pastures Assignment on display in the classroom.

Mr. Gino Garbellini (C.A.L.M.) checks the Livestock Assessment of Tom Ward whilst John Dilley looks on.



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 driving skills, 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 Department of Conservation and Land Management for the school to farm an area of Benger Swamp and 22 Ha of Reserve land west of Harvey.

DAIRY HERD

The farm runs a herd of about 20 Stud Holstein-Friesian milkers. 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.

FARM STAFF
Back Row: Mr. P. Egerton-Green (Farm Supervisor), Mr. C. Landwehr, Mr. R. Withers.
Front Row: Mr. M. Flaherty, Mr. P. Bass, Mr. L. Patroni (Assistant Farm Supervisor), Mr. A. Howard.



SLAUGHTERHOUSE

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

ORCHARD

Various Citrus varieties are maintained under the sod culture principle. Students are involved with citrus budding for a take-home product. The school's policy on all aspects of Horticulture is currently under review, with Flame seedless, a table grape feasibility study which commenced last year.

CROPPING

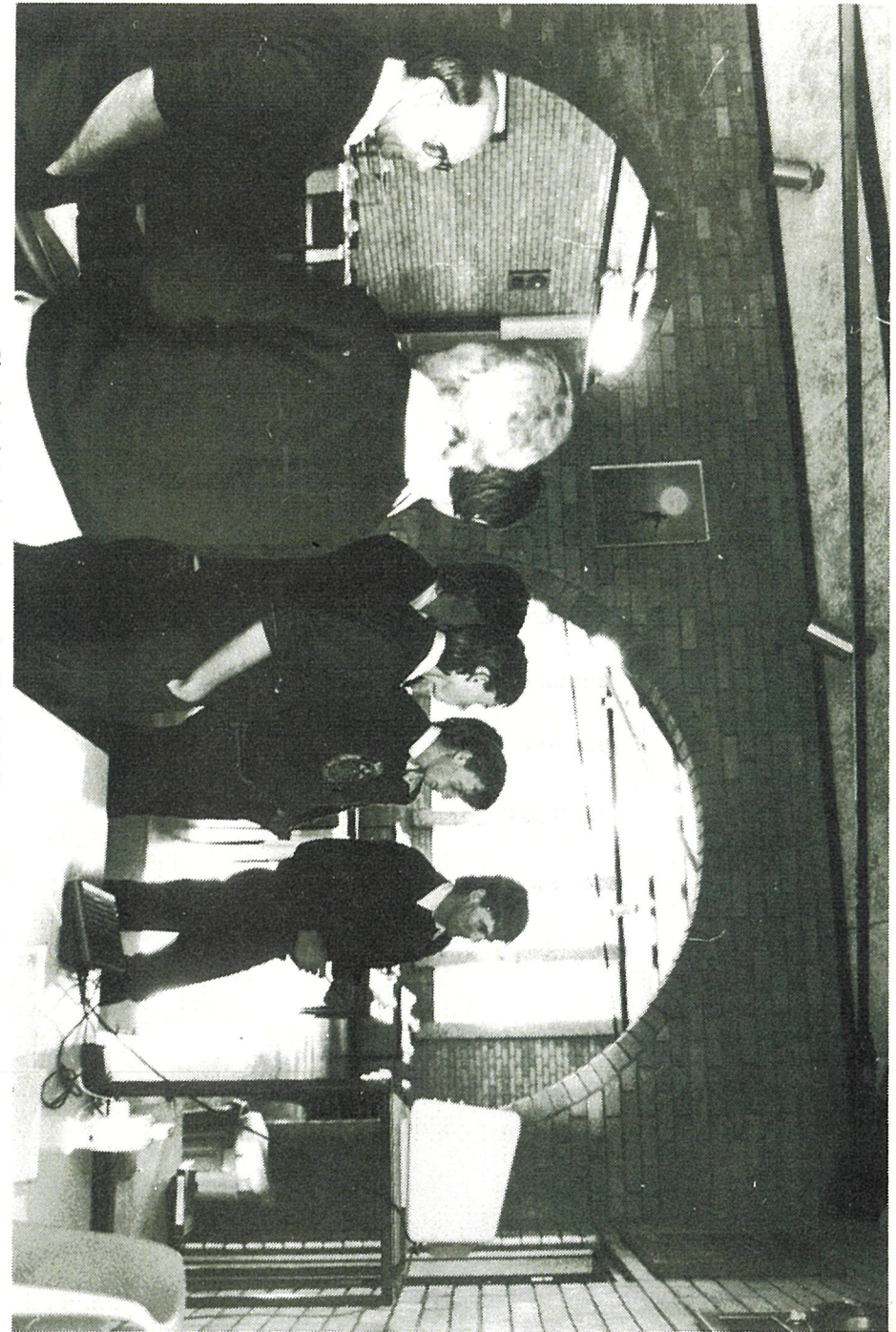
A number of forage crops are grown for silage and hay. To boost production from our irrigation land an area is treated with Roundup herbicide at $\frac{1}{2}$ litre/hectare to retard kikuyu growth. This land is then sown with oats or barley over Wimmera rye and sub-clover. The crop is used for winter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

This year approximately 6 hectares of Benger Swamp will be sown to Sudax. This crop is to supplement the school's hay supply, and is ensiled at the home block.

POTATOES

The students are growing almost the total school requirement. Different varieties being grown are Delaware and Kadema. The potatoes are planted in January, June/July and November at the Benger and home block properties.

Simulated stock purchase using the C.A.L.M. computer system.



BEEF HERD

The beef herd consists of 25 breeders. Hereford X Friesian cows, $\frac{1}{3}$ naturally mated to a Hereford Bull whilst the remainder are artificially inseminated to either Limousin or Simmental. 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 Landrace mated to a Large White and a Hampshire boar. Progeny for rations or sale are mostly carried through to baconer weight.

SHEEP

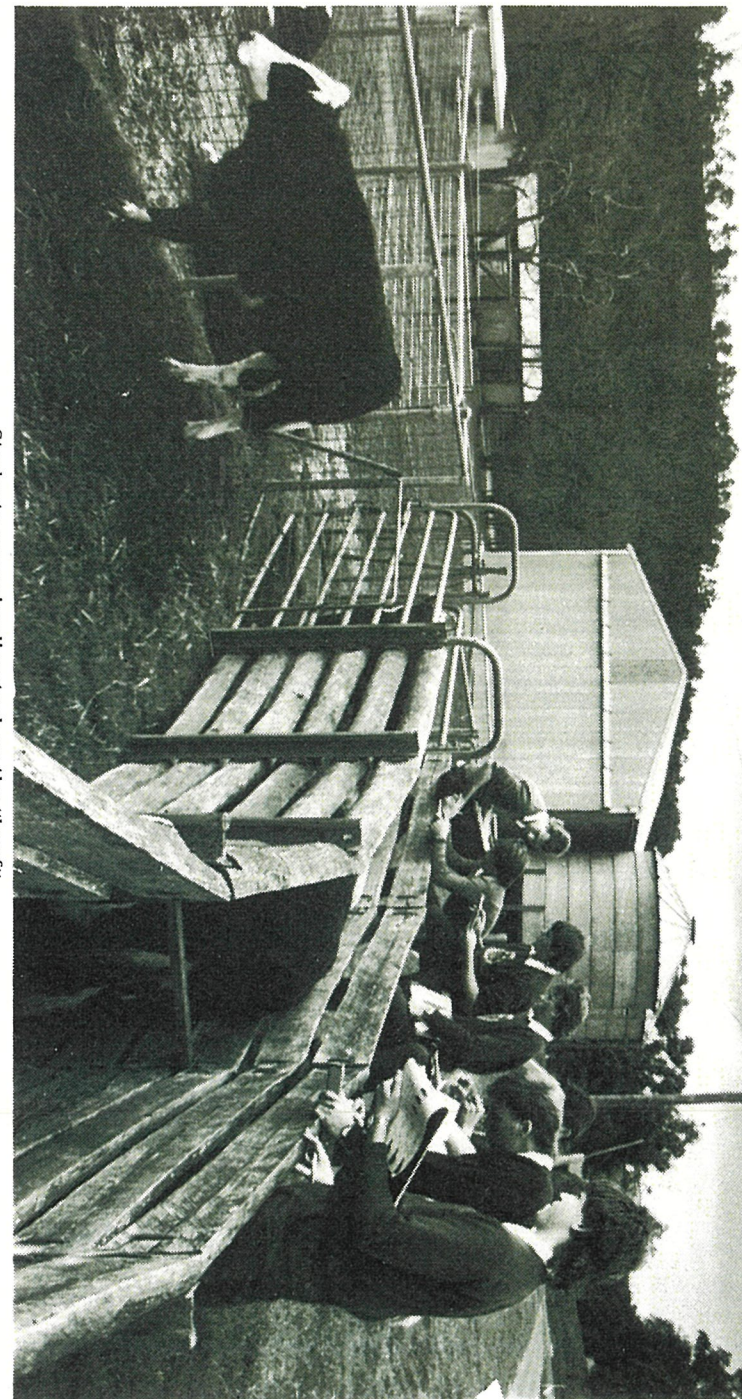
The school has flocks of Merino, Romney and Romney X Merino of approximately 850 in total. The ewes are mated to Merino, Poll Dorset, Romney and Suffolk rams. The various breeds are compared in wool and prime lamb production and also provide the students with shearing and wool classing experience.

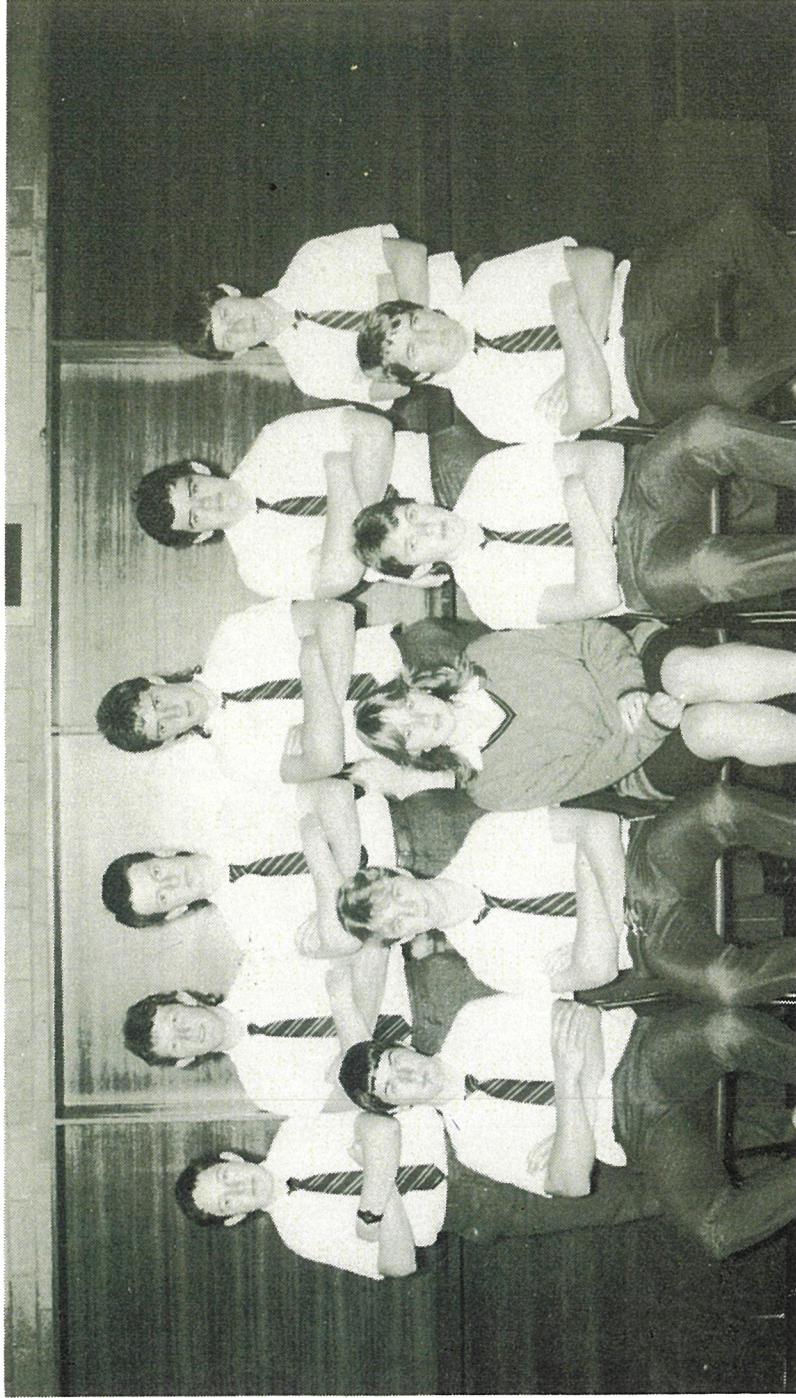
POULTRY

The poultry unit contains 350 White Leghorn, Black Australorp and 100 New Hampshire X Black Australorp 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.

Students assessing livestock on the "hoof".



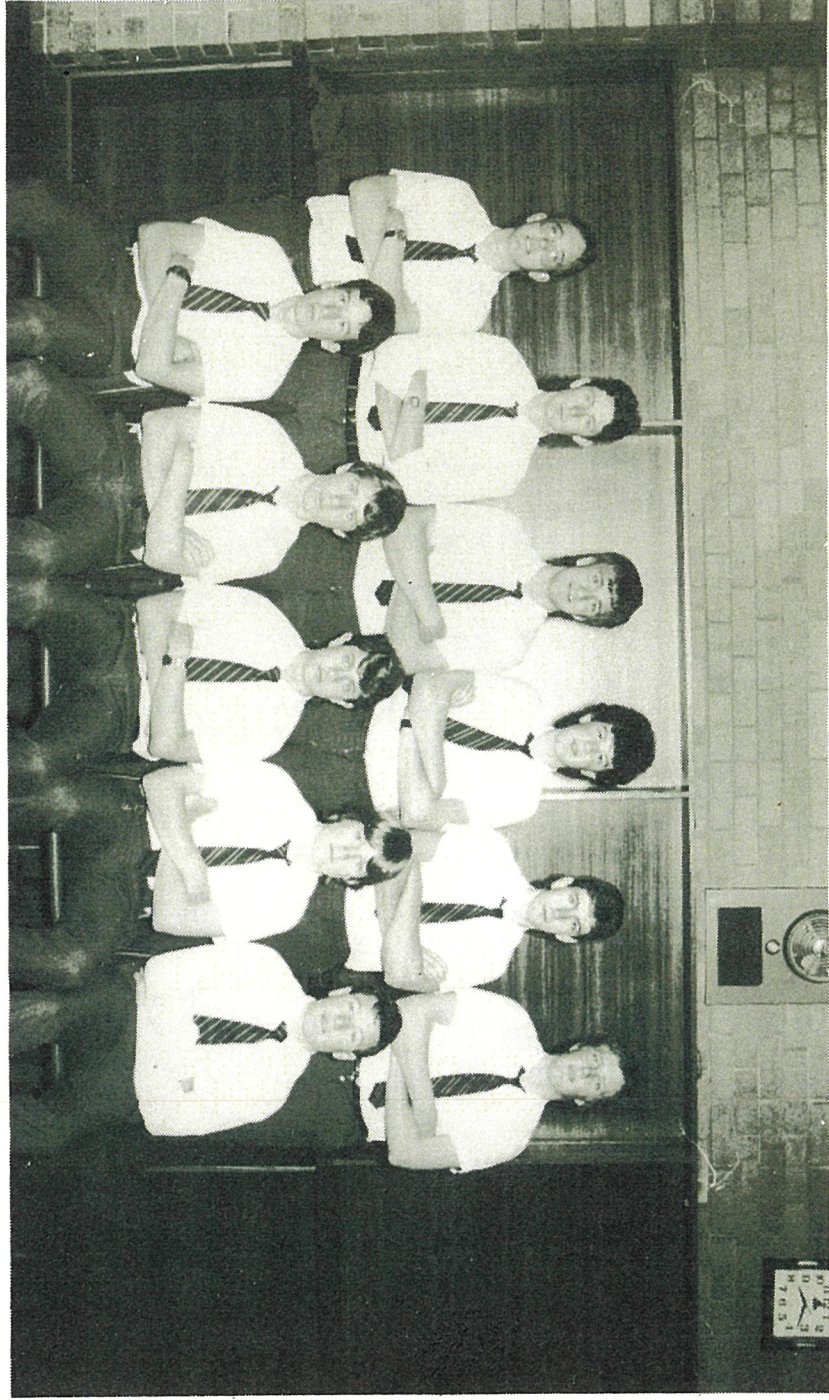


YEAR 11A

Back Row: Jeremy Taylor, Neil Fraser, Leith Crowley, Dennis Harley, Andrew Maskell, Greg Tuckey.
 Front Row: Paul Miller, Tim Venn, Samantha Bayliss, Kevin Richings, Justin Bradshaw.
 Absent: Bradley Earl and Andrea Cunningham.

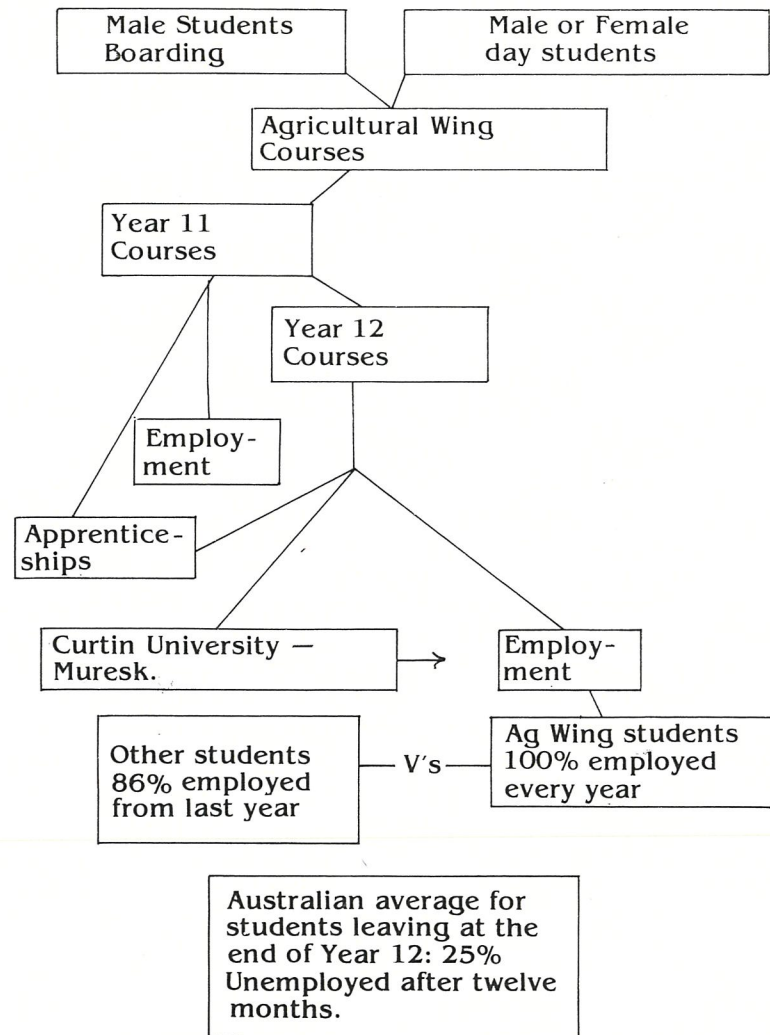
Back Row: Graham McIlree, Paul Harley, Steven Upcott, Neil Venables, Padraig Raftery, Richard Hull.
 Front Row: Jason Boserio, Simon Tuckey, Luke Norton, Dean Taaffe, Andrew Clifford.

YEAR 11B



AGRICULTURE

THE PATHWAY TO EMPLOYMENT



For information on
how to join the
pathway to employment
Ring (097) 291 302.