## 1965

# The Student 



Registored at G.P.O., Adelaide
for transmission by post as a poriodical

# Agricultural College <br> RÓSEWORTHY, SOUTH AUSTRALIA 

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## The • Student

## Editorial

National Service! How will it affect me and others like me? What of our careers and futures?

These and many other questions concern young men of the eligible age, including those still studying. The students do receive consideration to enable them to complete their course, but have no time for employment. This is a handicap suffered particularly by those in a field which can not be continued in any way during National Service.

Could not post graduate employment be the option of the individual in certain circumstances? An impartial body could, it seems, consider worthy cases submitted to it. A call-up date could then be deferred for a certain approved period.

With efforts such as this, would not the National Service Scheme become more flexible, if not more equitable for those "chosen" to serve?

MAGAZINE COMMITTEE
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## Roseworthy Speech day, 1965

This year for the first time, almost everyone who attended the Annual Speech Day was seated in the same room. The new Dining Hall, with its raised platform at the eastern end was used for the assembly.
Although the new Minister of Agriculture was unable to attend, Sir Richard Hawker, members of the college council, Mr. Roe, President of the Old Scholars Association, and many parents and friends gathered to help climax the year and to hear the presentation address of Dr. Hallsworth, Chief Division of Soils, C.S.I.R.O. Dr. Hallsworth, with his previous association with residential colleges and universities combined with a piquant humour, treated us to a bright, entertaining and relevant address.

The Principal's address made mention of Mr. Brookman, the retiring Minister of Agriculture, who gave the college so much support while in office.
In assessing the year's activities as being "smooth," Mr. Herriot stressed the great responsibility this college has for developing all that is best in the young men who come here. Mr. Herriot pointed out that the curriculum changes have caused both staff and students "to go the second mile" and were to be congratulated for their efforts. The Principal refuted the idea that Roseworthy is becoming far too academic. It is true recruiting standards have improved, academic achievements are higher than they have been, but standards of practical work have also been lifted so that each student can expect a worthwhile job.

Turning to the physical resources of Roseworthy, Mr. Herriot mentioned the
improved living quarters, the new dining hall, repairs to tarm buildings and new poultry sheds, all done by students under supervision.

Other improvements, under contract, are three new staff houses, modernising the wine cellars, a lavatory block at the oval, a fire isolated room to the Animal Production Laboratory. At this stage, plans were in hand for a new shearing shed, a new Biology building, a new Agricultural Engineering instruction unit and a new farrowing shed at the piggery.

Mr. Herriot stressed that with all the improvements supplied by liberal support from both State and Federal Governments and with emphasis on education, we also run a large productive farm. This produced in the 1963-64 financial year a record earning of $£ 52,704$.

In referring to the graduating year, the Principal congratulated them on their sound leadership, manliness and the manner in which they tackled all their tasks as students. Special mention of Murray Brown was inevitable as he was never beaten for top place, nor did he gain anything less than first class honours throughout his course. Murray graduated with high distinctions in Agriculture Farm Engineering, Wool, Sheep and Beef and Project work. As President of the Student Representative Council, he was "a tower of strength in the College." In addition to his other prizes, Murray also gained the first prize for the most outstanding student in Farm Management, presented by the Commonwealth Development Bank, whom the Principal acknowledged for their interest in Roseworthy.

## Diploma List, 1965

## In Order of Merit

RONALD MURRAY BROWN with First Class Honours and High Distinctions in Agriculture Farm Engineering; Wool, Sheep and Beef and Project Work.
HLIAM JOHN McGOWN with Second Class Honours.
Honours NEIL STANLEY with Second Class Honours.
1026 GEOFFREY CHARLES CROME with Second Class Honours
1027 JOHN LESLIE FLYNN
1028 RICHARD GILES CAMPBELL.
1029 PETER WILLIAM FORD.
1030 THOMAS WALTER GREEN.
1031 JAMES DUNSTONE TOWNSEND.
1032 RICHARD WILLIAM FEWSTER.
1033 JOHN ROBERT EYRE.
1034 WILLIAM ROBERT TURNER.
1035 DERRICK NICHOLAS ADDERLEY.
1036 IAN LESLIE BIDSTRUP.
Unclassified
BRUCE DOUGLAS FARQUHAR
STEPHEN THOMAS GEE.
BRIAN ARTHUR HILL.
EDWARD STEVEN HOGG.
KEITH WILLIAM HOLDER.
JAMES BRUCE LAFFER.
SOO FOOK NGUN.
IAN RICHARD WATT.
IAN HARTLEY WILLIAMS.
GRAMP, HARDY, SMITH MEMORIAL PRIZE:
R. M. BROWN

## PRIZE LIST - YEAR 1965

THIRD YEAR STUDENTS
Gold Medal (Presented by the Royal Agricultural and Horticultural Society for the highest aggregate in all diploma subjects): R. M. BROWN.
Old Students' Cup and Prize (Presented by the Roseworthy Old Collegians' Association for the second aggregate in all diploma subjects): W. J. McGOWN
Outside Work (Presented by the Albert Molineux Memorial Trust): R. M. BROWN
Practical Examinations (Presented by the Members of the Advisory Board of Agriculture): R. M. BROWN.
Morphett Prize in Dairying (Bequeathed by the late Mr. A. H. Morphett): R. M. BROWN.
The Haselgrove Prize in Horticulture (Presented by the late Mr. C. F. Haselgrove): J. R. EYRE
Agriculture (Presented by the Principal): R. M. BROWN
The Most Efficient Operator of Farm Machinery (Presented by the Director of Agriculture) : I. L. BIDSTRUP.
Prize for Practical Farm Engineering (Presented by Caltex Oil (Aust.) Pty. Ltd.): R. M. BROWN.
Sheep Husbandry (Presented by Mr. W. S. Kelly):
R. M. BROWN

Rudi Buring Prize for Practical Horticulture: R. W. FEWSTER.
The D. A. Lyall Memorial Prize for the best kept Diary: R. M. BROWN
The Richard Maxwell Memorial Prize: R. M. BROWN.
Farm Management (Presented by the Commonwealth Development Bank): R. M. BROWN.
SECOND YEAR STUTENTS
Dux of Year (Presented by the Gawler Agricultural, Horticultural and Floricultural Society): A. C. SMITH.
Second Aggregate Prize (Presented by the College): B. A. LAWES.

The W. J. Colebatch Memorial Prize: R. D. BALD-
The Shell Prize (Presented by the Shell Co. of Australia Ltd.): A. C. SMITH
Agriculture (Presented by the Principal): A. C. SMITH.
The T. G. H. Buring Prize in Horticulture: A. C. SMITH.
The H. Wyndham Brown Prize (Presented by the late Mr. H. Wyndham Brown for the highest aggregate in basic science subjects): B. A. LAWES.

Outside Work (Presented by the Albert Molineux Memorial Trust): R. J. SAMPSON.
FIRST YEAR STUDEN'I'S
Dux of Year (Bronze Medal): J. H. C. CURLEWIS. Second Aggregate Prize (Presented by the College) M. J. WOODS.

Outside Work (Presented by the Albert Molineux Memorial Trust): J. H. C. CURLEWIS.
Agriculture (Presented by the College): J. H. C. CURLEWIS.

## OENOLOGY COURSE

## FIRST YEAR

Dux of Year (Presented by the Wine \& Brandy Producers' Association of S. Aus.): P. J. WALL.
Principles and Practice of Winemaking (Presented by the Wine \& Brandy Producers' Association of S. Aus.): P. J. WALL.

## Dux in Agriculture



Murray Brown applied for entrance with little grounding in science subjects but well equipped in qualities of manliness, leadership, ability to concentrate, think logically and an earnest desire to succeed. He was extremely unselfish in his approach to College life, and gave of his time and energies in many ways.

He became President of the Student Representative Council, in which capacity he became mediator, confessor and champion to all students. He was editor of "The Student" and, as with everything he did, was the best editor we have had.

We will not list his prizes, they are printed in the prize list. It suffices to say he earned every one.

It is too early to know what Murray will eventually decide to make his career but in his present position with a development firm in the South-East he is reported to be upholding his standards and making sure of staying on top by learning to fly.


## Poll Shorthorns at Roseworthy

The first entry in the Diary reads, "The Herd was started on $26 / 6 / 42$ by purchasing eleven 6 year old Shorthorn cows, Nettley bred by Nalpa bulls and one Red Poll Bull, bred by L. E. L. Dunne, Underwood Estate. This bull was six years old and Reserve Champion at Adelaide Royal Show 1938." Purchase price, cows and bull, £183/15/0.

Then follows on the 9th July, "Received from Mr. Rosenbloum, Alice Springs, 20 well bred heifers, a few on the plain side, the whole line purchased at a suitable price ( $£ 210$ ). By Williamson \& Nalpa bulls (sons of imported stock) and all except one supposed to be in calf to stud bulls."

In 1943 the Stud Shorthorn Bull (Nalpa March On 162) was purchased from Mr. A. R. Withers of Nalpa Stud and February, 1944, saw the foundation of the stud as four stud heifers arrived from the same source. A further 15 females were added to the herd, all from Nalpa.

In January, 1948, we find the purchase of the only other female to be introduced, Coonong Fancy Bud 3rd from D. R. McCaughey, Birambolu Park, N.S.W. This heifer became the leading cow in the herd; she bred well to several sires, her progeny (especially daughters and grand daughters) have a very good Show record and in 1965 many cows in the herd can trace their pedigree back to this grand breeder.
1953 saw the first mating with Poll Bulls when Old Canowie Ringleader 61st (P) was used. The stud cows still lacked
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## Elsinora

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12 years past two starting to of $20-25$ satisfactory especially our best su Highbank largest Pol Adelaide To shom right type, 1st Prize Champion success at
thickness, fleshing and were leggy and it was a big step with such a herd to switch to poll breeding.

From 1955-1958 we were fortunate to have on loan from Mr. W. J. Dawkins, Newbold Ltd., the imported American bull, Ceremonious Discovery (P). This was the first introduction of a quality sire to the herd and the results were very pleasing, as he passed on to his progeny the thickness and fleshing which was lacking. The trend at this stage was for low set, early maturing animals and along with other studs we lost the size for which Shorthorns are noted.

Our present herd sires are Highbank Viking (P) by Glastullick Viscount (Imp.) ex Oakwood Lavender 27th (P) Imp. U.S.A. and Elsinora Brigalow (P) by Elsinora Matchless Musician 13th (P) ex Elsinora Matchless Miss 7th (P).

Since changing to Poll breeding the College has only spent $£ 1,465$ on sires (apart from Ceremonious Discovery) in 12 years and over $£ 800$ of this in the past two years, from which we are just starting to get returns. For a small herd of 20-25 cows we have built up a very satisfactory record at the Adelaide Royal especially with females. In 1965 we had our best success with bulls when a son of Highbank Viking gained first prize in the largest Poll Shorthorn Class ever in Adelaide and was sold for 400 guineas.

To show that we are breeding the right type, at the 1964 Royal we had the 1st Prize Poll Shorthorn and Reserve Champion Led steer and repeated this success at the 1965 Show.


Shay Shtella, Shilage sure has a kick in it.
tion of three or four top females and a quality bull 10-12 years ago could probably have placed us even closer to the top. Money invested in quality stock will always pay returns in stud breeding. February, 1965, will see our introduction to South Australia's Beef Cattle Week, when we will be selling at Newbold in conjunction with Newbold Ltd., Prongorong and Meralinga. This must be classed as another big step forward in the stud's history.

The role of beef on the College is essentially the training of students in Beef Cattle appreciation and judging, general management and show preparation. By this we have interested several students in stud beef cattle production. Alan Dawes of Old Canowie and John Hardy of Brewaranna Pastoral Coy. are two of the most noted and they supervised the preparation of the College Show team while students.

We anticipate that 1965-66 will be our most successful year in the sale of stock from this stud and look forward to further progress in the next few years.

At the present time, the College herd would be classed among the top Poll herds of South Australia. The introduc-

Roseworthy Fancy Lass 5th 15-18 months Show 1957

# The Development of the Stud Merino Industry 



Mr. Herriot with Sir Richard Hawker.
Sir Richard Hawker, Chairman of the College Advisory Council, has been kind enough to write the following article. He has been involved in this industry for a lifetime and is a recognized authority.

A Brief Account of the beginning
of the Stud Merino Breeding Indus-
try in Australia and its organization
with particular reference to South Australia.
Sheep were among the very first animals brought out to Australia, and it seems that the first Merino sheep were brought by Captain Henry Waterhouse and Captain John Kent, whose ships, Supply and Reliance, part of the First Fleet, were sent in to the Cape for supplies. Merino sheep had been imported into. South Africa by the Dutch from Spain in 1790; and from the widow of Colonel Gordon, British Commandant at Cape Colony, Captain Waterhouse purchased 26 of these Spanish Merinos for $£ 4$ per head. Most of them died during the voyage, but when the survivors arrived in Sydney in 1797, Captain John MacArthur realised their value, and offered $\mathfrak{£ 1 5}$ per head for them. The offer was not accepted at first, but eventually he was able to purchase three rams and five ewes from Captain

Waterhouse, and with these he established his stud at Elizabeth Bay Farm, and in 1827 he moved to Camden Park. This flock may be regarded as the foundation of the Australian Merino Industry, and it is interesting to know that a flock descended from the original sheep still runs at Camden Park today.
MacArthur already had some sheep of other types before he obtained the Merinos. He kept them separately, and in 1806 sent eight sample fleeces to Sir Joseph Banks in London for inspection and report. The result of this report convinced MacArthur of the necessity for keeping a pure flock, so when in England in 1804, he purchased from the Royal flock of Merinos at Kew, more sheep, of which five rams and one ewe survived the journey to Sydney. The Rev. Samuel Marsden was another energetic pioneer, who obtained some Merinos from Waterhouse, and by 1804 he had a flock of 1,200 fine quality sheep on his farm at Botany Bay.
Fine Wool Merino sheep were introduced to Tasmania in 1820, when 300 lambs were purchased from MacArthur, and in 1827 the Van Dieman's Land Company landed 266 out of 300 Saxony Merinos purchased in Germany, and
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The flocks was 1921, by Associatio S.A. Stud and the Associatio tions given 1921. An Sydney in mittee wa
followed this by importing 26 rams and 46 ewes from George III's Spanish Merino flock. Edward Henty brought Merinos from Tasmania to start the industry in Victoria, and Mrs. Furlonge established a stud of Saxon Merino sheep at Seven Creeks, Victoria, in 1835. The South Australian Company introduced Merino sheep of the Saxony strain to South Australia in 1837, quickly followed by importations from N.S.W. Merinos spread across the border from N.S.W. to Queensland in the early days of settlement, and in W.A. the first Merino sheep were imported from England in 1834.

From these small beginnings the Australian Merino industry has grown to its present importance.

The type of sheep bred in the different States varies somewhat, due mainly to climatic conditions. Tasmania and Victoria are the home of the finewooled Merino; in N.S.W. the sheep are medium wooled, based mainly on the Peppin type, and in S.A. we lean towards the medium-strong-wooled type.

Stud breeding started in S.A. very soon after the foundation of the State. In 1839, Mr. F. H. Dutton purchased in N.S.W. the sheep which were to form the Anlaby stud, and in 1841 G. C. Hawker founded the Bungaree stud with 2,000 ewes of Camden Park blood, purchased from Thomas Icely of Carcoar in N.S.W. and in lamb to Steiger rams. Two years later, in 1843, A. B. Murray founded his Mt. Crawford stud with the purchase of MacArthur ewes, and some from Tasmania. Later came the foundation of Martindale in the 1850's, Koonoona in 1863, Mackerode in 1882, and Collinsville in 1895, to mention but a few.

The first Register of Stud Merino flocks was compiled on 31st December, 1921, by the N.S.W. Sheepbreeders' Association in co-operation with the S.A. Stud Merino Breeders Association, and the W.A. Stud Merino Breeders' Association, in accordance with directions given at a meeting on the 21 st July, 1921. An interstate meeting was held in Sydney in 1922 when a provisional Committee was appointed with Mr. Franc
B. S. Falkiner as President. Among the objectives the publication of a Stud Register was one of the most important.

There were 192 flocks mentioned in that first volume of the Register, of which 32 were in South Australia; but 15 of those have been dispersed or discontinued since that date. In the latest volume, 1964, there were 342 Merino studs listed for South Australia, including 79 Poll Merino Studs. A separate register of Poll Merino Studs was first published in 1957.

On 31st December, 1921, there were 197 registered studs in Australia, with a total number of 754,198 sheep, and 60,490 rams were sold in that year. And in South Australia for that year there were 32 studs, with a total of 147,720 sheep and 15,480 rams were sold.

In December, 1963, the figures were: 1,773 registered studs, with a total of $2,588,666$ sheep, and 229,351 rams were sold for the whole of Australia. The figures for South Australia on the same date were 342 studs with 329,388 sheep, and 40,049 rams were sold. In this year also there were 16,096 Poll rams sold for the whole of Australia, and 3,890 of these were from S.A. Poll Merino studs.

In 1959 the Australian Council of Stud Merino Breeders was formed, and the first President was the late G. B. S. Falkiner, son of the President of the first Provisional Committee in 1922. On his death in October, 1961, Mr. J. F. Litchfield was elected.

This is just a brief outline of the beginning of Merino sheep breeding in Australia, and its growth and organization. There are many good books and articles on the subject, available for anyone who is interested to delve further into the subject. When one considers that in 1880 MacArthurs' sheep cut four lbs. of wool per head, whereas today the average for the whole of the Australian wool clip is more than twice this weight, including all breeds, this fact alone gives an indication of the amount of work and practical improvement which has gone into sheep breeding in 150 years.

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## Mr. Bywaters at College

It was pleasing to see the new Minister of Agriculture, Mr. Bywaters, M.P., at College on 3rd June, 1965, so soon after taking office. Having had such interested and helpful support from the retired Minister, Mr. Brookman, it was felt that maintenance of this standard was too much to expect. However, it was evident to all that our new Minister for Agriculture is vitally interested, not only in our College, but in all phases of agriculture in this state.

Students and staff alike, informally met Mr. Bywaters as he toured the College during a normal working day. Everyone found they were at ease with him and his interest in their particular work was most obvious.

While dining at the normal mid-day meal, Mr. Bywaters addressed the assembly. After first apologising for being unable to attend the First Year Dinner he expressed his pleasure with impressions he had gained on his inspection and pledged his full support for the College during his term of office.

We look forward to more of his visits in the future.

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## Farm report



With the season as it now is (at the beginning of October) if anyone wants a farm manager and assistant, the College could be the place to enquire, for crop prospects are very grim.

Rainfall for the year is only 8.57 in. and even now crops are dying off though they are barely in head. Forty acres of oats and forty-five acres of wheat have no prospects of making up into grain. It appears our story is a common one this year throughout the State.

Only 80 tons of meadow hay have been cut and reserves are low, so the College flocks are being culled to reduce numbers. One bunker of silage ( 120 tons) was made in W. 5 and should give the milkers some good feed during the summer. Silage reserves built up in 1958, 1960 and 1961 have proved to be invaluable during the past two years and will carry us through again this season.

A new forage harvester, pitmanless 3 pt: linkage mower and finger wheel rake have helped to make the hay and silage harvest quick and easy work.

The 1964-65 harvest was above average, with feed wheat to fill our silos and 2,000 bushels to sell in Roseworthy, while we had 8,500 bushels of feed barley for our silos and we sold 4,400 bushels. We also reaped enough oats to fill up our storage. This was besides providing adequate pure seed for sale by our Pure Seeds Officer.

Newer varieties, Gamenya, Heron and RAC 414 (a variety which may be released next year) yielded best, and Raven would have been as good had not heavy rain on Christmas eve knocked grain from the head. Thirty one acres of Gamenya yielded 46.4 bushels per acre and 40 acres of Heron gave 43 bushels per acre. Oats was shaken badly
by hot winds but Avon gave 41.4 bushels per acre.

In May, Roger Inglis, who students since 1953 will remember, worked with us for three weeks. Roger is at the New England University, Armidale, and is in the 3rd year of the Rural Economics course and, by report, is doing well.

We feel that students are now benefitting more than previously in their time spent on the farm section. It had been the experience of past students that they spent much time, particularly in first year, on the end of a shovel or a pitchfork and a first year could only look forward to driving a tractor the following year. The changed conditions are due to the modern equipment we now have, a changed work system in which first years work by themselves in second session, and the more responsible and serious attitude of the students which goes with more worthwhile jobs.


After a considerable amount of investigation of alternative sites, it was decided to make major additions and alterations to the present piggery. As this goes to press the new farrowing unit of 14 crates nears completion and the resubdivision of yards 10-15 nears completion.

The usual feeding, breeding and disease problems along with a few new ones plagued the piggery during the year, stressing the need for improved farrowing facilities and sufficient growing pens or yards in the piggery to allow for spelling and cleaning for disease control.

Last year's purchases of boars and sows has brought the expected improvement in type and improved placings in the Adelaide Royal Show.


The mastitis eradication campaign has continued with success throughout the year with the assistance of a regular laboratory analysis of quarter samples, and culling of chronic carriers.

All factors combined have reduced the incidence of suspected quarters from approximately 80 per cent. to 20 per cent. With the installation of a new milking machine, which meets with all requirements for efficient mechanical milking and culling of the remaining suspected carriers, it is hoped to reduce the incidence still further.
A "Wheel-a-Rain" irrigation system has replaced the old "Lever Lock" unit used on the lucerne plots, and has proved most satisfactory as it saves time as well as work.

The construction of two bull yards with service pens attached have assisted with the return to natural mating.

Production results for the herd for the year were as follows:-
The 28 cows that completed their 300 day lactation averaged $7,022 \mathrm{lbs}$. milk at 5.4 per cent. butterfat test giving an average butterfat yield of 378 lbs.
Highest producer was Garford Dewmoss 17th who was the top J2 Jersey in the state for the 1964-65 herd recording year with $9,235 \mathrm{lbs}$. milk 5.8 per cent. test and 537 lbs . butterfat.


To hell with GONADOTROPHIC hormones!


31,418 dozen eggs were laid by an average of 1,853 hens from $1 / 7 / 64$ to 30/6/65.

1,768 chickens were hatched from 2,563 eggs set yielding 854 females. 1,400 day olds were purchased from Parafield Poultry Research Station, and the survivors were housed in the various types of sheds including the cage unit and have been producing well.

One rearing yard has been demolished and replaced with a $40 \mathrm{ft} . \times 48 \mathrm{ft}$. B. \& R. shed as an intensive rearing shed. This was erected by Dick Kneebone of the F.E. Section and after some early troubles it was completed ready for the 1965 chicken season.

The shell quality of the eggs has been poor and some preliminary work has been done in preparation to running a trial in the coming year. On visual grading 20 per cent. of eggs laid in the cage unit did not come up to our standdard for a satisfactory egg.


Numbers at 30th June, 1965 were:-

| Bulls | - | - | - | - | - |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 3 |  |  |  |  |  |
| Cows | - | - | - | - | - |

Highbank Viking (P) and Elsinora Brigalow (P) were used for the 1965 mating. The progeny of Viking give every promise of further improvement in the herd as at the 1965 Royal two bulls were first and fifth in a class of 12 and a heifer was second in a class of five. The
calves fif it is a to see by

Once steer-fi Reserve five bull ticipatin Week

## Sheep

 all time the poo necessar through Despit to the av Quality handle.calves from Brigalow are good type and it is a case of waiting another 12 months to see how they develop.

Once again we had success with a led steer-first prize Poll Shorthorn and Reserve Champion steer of the Show.

1965-66 appears likely to be a good year with beef as we have already sold five bulls and in February will be participating in South Australia Beef Cattle Week selling at Newbold.


Sheep on hand at 30th June, 1965, were as follows:-


Sheep numbers were at probably an all time high for the College, but with the poor season a reduction will be necessary to have any chance of getting through the summer and autumn.

Despite the season, wool cuts were up to the average and the clip was 63 bales. Quality is still improving as well as handle.
W. J. Dawkins Newbold Pty. Ltd. and W. S. Martin \& Son Balmoral leased to us four Poll Dorset ram lambs for the 1964 mating. Although lambing was not as successful as hoped, the quality is there and we have made a good start with our stud. It is expected that we will buy our own rams during the 1965 Dorset week.

The experiment with fleece weighing in the Merino flock will be carried on for another five years, with certain variations brought in to study other aspects.


Crops during the past year have been quite satisfactory with increased quantities of fruit and grapes being harvested from our younger plantings.

During this year management has changed hands and most of the early operations can only be taken from records.

This year's grape harvest was the best for some time and could have been even better if black spot had been controlled in the Sultanas and our V. \& OW Shiraz and V. \& OS Pedro had been picked when they were ready.

Citrus have produced well, the Navels particularly and Mandarins have produced more than we could handle and as a result, twelve of the 24 mandarin trees have been grafted to lemons this year. 242 cases of Navels were sold to the Royal Adelaide Hospital this year.

During last winter 400 replants and 50 layers filled in the misses in our V. \& OS irrigated block.

A small block of prunes were planted 10 ft . x 6 ft . in V. \& OH as a demonstration of close planting.

Also one acre of Simillon was planted behind the cellars this year.

We hope that when new plantings come into bearing V. \& O.E. Pears and Prunes can be removed.

Irrigated vines at V. \& OH are now furrow irrigated again after several years under sprinklers; this is desirable for student demonstration and vine health.

Yields of various fruits compared with 1963-64 season.

|  | 1963-64 | 1964-65 |
| :---: | :---: | :---: |
| Apricots | 135 bush. | 249 bush. |
| Pears - | 92 bush. | 162 bush. |
| Grapes | $25 \frac{1}{4}$ tons | 43 $\frac{1}{4}$ tons |
| Oranges |  |  |
| (Navel) | 250 bush. | 370 bush. |
| (Valencia) | 14 bush | 181 bush. |
| Grapefruit | 3 bush. | 31 bush. |



The day to day programme in the lab. is so full that significant happenings seem to quickly become an accepted fact. However, a brief mention of these will be of interest.

The Selection Experiment in merino sheep, which has occupied so much of our time and received considerable assistance from students passing through the College, has been mated for the last time. The original plan has been achieved and the difference between the two flocks has reached sufficient statistical significance. The last progeny will be shorn as hoggets in 1966 to complete collection of the data. Speaking of data it seems the use of computers has just come along in the nick of time!

During the year Mr. D. Cooper from the Genetics Department of the University of Adelaide has examined the blood of one year's progeny as well as their dams and sires. He has been able to use this work to contribute to the general study of the Australian merino.

Professor W. V. Macfarlane, Head of the Physiology Department at the Waite Institute, is also using the flock to do water turnover studies on granddam, dam, daughter trios in order to study this in relation to productivity.

These extra studies can only be done on such a flock as we have. In the new work to replace the selection experiment the major portion will be carried on with breeding identification and production records.

The Senior Technical Officer, Mr. R. E. Brady, continued to handle the bulk of histological work and during the year completed a large number of skin sections for Mr. W. G. Allden and muscle biopsy sections for Mr. G. C. Everitt of the Waite Agricultural Research Institute.

Mr. Brady and Mr. Wood finally succeeded in developing a new technique for scouring very small wool samples
such as are harvested from tatoo patches on sheep. This enables a sustained rate of about 100 samples per man per day or greater.

Improvements to the buildings include the completion of a fire isolated records room in which all important laboratory records, plans, and specimens will be housed.

New wool drying ovens have already been delivered to the laboratory but initial tests have shown that considerable modifications are needed.

The Veterinary Officer has been able to get his new clinic into almost full working order. All post mortems are now carried out there and large disposal pits for carcasses are under construction.

The pens in the animal house were in use for over three months for the conduct of a urea feeding pilot trial by third year students as a project.


As far as this section is concerned the most important expenditure of effort this year was in the production of plans for the new Agricultural Engineering Centre, in co-operation with the P.B.D. architects and the Principal.

The new building which will consist of three main structures will be constructed on the site of the old Shearing Shed.

The centralized bulk stock feed plant has become operative within this year, although the bulk handling on all sections will not be completed until the arrival of the facilities which will eliminate the need for unit or bag handling of feed.

Experimental work on the section included implement draft tests, hydraulic power applications, and tractor noise evaluations.

Items constructed in the Workshops
included a new road roller; stock crate for the Dodge Ute and a boom marker for the spray cart. Machining operations and other work was carried out on an experimental muffler in conjunction with the work being done on noise research.

The old stables and implement shed have been renovated to the extent of new guttering and facias where necessary and a fresh coat of paint have given them a more pleasing appearance. The building branch of the section has made much alteration this year. The Poultry section has acquired a new brooder shed and new bull pens have been erected for the dairy.

The main activity has been centred around the erection of a new farrowing building at the Piggery.

Emphasis has been placed on providing the sow and litter with ideal environmental conditions so that piglet losses during farrowing can be kept to an absolute minimum and feed conversion ratio increased during the growing period.

The creep area is artificially heated to provide ideal conditions of temperature for the piglets until they are about one week old.

A combination of suitable insulation and natural heat from the stock assist in maintaining background temperatures during cold weather, while controlled mechanical ventilation keep humidity at a desired level and summer temperatures at approximately outside shade temperature. Estimated date of completion, January, 1966?


Babidge is all behind in the garden.


The Oenology Course at Roseworthy is about to enter upon a new phase of development with the extensions to the Winery to be commenced as soon as possible. The preliminary work for this has already begun with the removal of the palm trees at the back of the cellars.

It is proposed that the new cellars include facilities for the production of table wines, and dessert wines, which are produced by the various sections of the industry; thereby offering to students a complete training in all aspects of practical wine making.

The lecture theatre, and offices at the winery have been complete and we are now using these for lecturing in Winemaking, Viticulture, Distillation and Tasting. This is indeed a great asset as now after nearly three decades the Oenology course has a "home of its own."

With the purchase of modern equipment for the microbiological and chemical laboratories, the oenology students now have facilities at their disposal which are equal to any that are provided in modern technical schools.



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17 cwt. 17 cwt . Price for complete yard

[^0]

Despite the dry season, trial plots at the four testing sites; Roseworthy, Farrell Flat, Palmer and Stow-are looking extremely well, probably due to the fact that most have been sown early and are not suffering as greatly from the hot dry spell of late September and October as are later sown crops.

In the trials of the 1964-65 season, Sabre ( 36.3 b.p.a.) once again proved to be the highest yielder of the mid-season variety trial, whilst Heron (31.3 b.p.a.) and the relatively new variety Emblem ( 26.3 b.p.a.) were best in their respective groups.

Results from the senior trials showed two of our more promising hybrids RAC 414 (Gabo x Rapier x Dundee x Kenya) x Dirk 48 and RAC 662 (Sabre x Insignia 49) $x$ (Javelin 48 x Insignia) not yielding as well as expected due to rust attacks. It was because of this fact that the releasing of RAC 414 has been deferred until after trial results of the 1965-66 season have been analysed. RAC 687 (Scimitar x Kenya C 6042 x Bobin) x Insignia 49 which was highest yielder in the Junior trials in 1963-64, out-yielded all other hybrids and check varieties in the senior trials last year. This hybrid is tolerant to most of the prevalent rust strains and therefore rust did not reduce its yield as with others.
$\mathrm{O} \times \mathrm{B} 6$, Orient $\times$ (Mulga $\times$ Belar) still proves to be one of the more promising oat hybrids and could be released after this coming harvest, depending upon trial results this season. O x B 48 (Orient x Victoria x Richland x Boppy) x Avon is an extremely dual purpose oat with high yields in both green matter and grain.

Pure Seed Production continues to be an important part of College activities with the demand for seed still being high. Over 6,300 bushels of wheat were sold, and approximately 1,500 bushels of oats.

## Farmers' and Open Day

This year farmers were invited to a series of lectures and demonstrations on Friday, 15th October, and the following day, Open Day, was held to enable prospective students, their parents and others interested, to see the college facilities.

Although the main aim was to show the college as a teaching institution, approximately $£ 143$ was raised towards the Swimming Pool Fund which at 24th November stood at $£ 2,726$.


Our kindly principal gets to first base on this one.

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## Mr. M. R. Krause

On the return of Mr. Krause our VicePrincipal in February, 1966, Roseworthy College will benefit greatly from his vast experience and knowledge gained during 20 months of study at the Washington State University, Pullman, U.S.A.

It will not only be Roseworthy College that benefits however, as agriculture throughout Australia, particularly the wheat industry will gain from his overseas experience.

Mr. Krause's study-leave in the United States of America has been made possible by a grant from the William Farrer Memorial Foundation, which finances only one postgraduate student at one time, from Australia, to further their studies on cereals. This honour is being bestowed upon a very worthy recipient.

Mrs. Krause and their three children, Michael, Philippa and Katherine have accompanied Mr. Krause on the trip.

The semi-dwarf wheat breeding program is Mr. Krause's main interest and he is working with Dr. Vogel, a leading United States Department of Agriculture wheat breeder. Besides the semi-dwarf wheats program, study and research with Development of new varieties by induced mutations, by radiation and chemicals is another part of Mr. Krause's work.

Foundation Seed Production which is equivalent to our Pure Seed Production, is the subject of one course being studied and we could see major changes in our scheme here at Roseworthy on his return.

Mr. Krause has covered a considerable area of America and has paid one visit to Mexico. During these travels he has collected promising hybrids from the various plant breeding centres and will be bringing many of these home.

The trip to Mexico was earlier this year and the return trip to Pullman was via the states of Arizona, California and Oregon. The experimental station in Mexico, which sows approximately 120
acres of plots each year, is situated in the Yaqui Valley, ten miles from Obregon, a city of 100,000 people. The natural rainfall of this valley is only three to four inches; however, there are some 300,000 acres of irrigated wheat. The city itself was one of contrasts with the beautiful homes and gardens of the higher class and poverty of the lower class.

Returning from the Mexico trip he paid a visit to the Experimental Station at Mesa, Arizona, where many promising semi-dwarf wheat hybrids are being tested.

Before returning to Australia Mr. Krause will complete his studies for a Master Degree and is reputed to be maintaining an extremely high standard, impressing all who are associated with him.

## Graduates of 1965



BRENTON RAKER-Brenton, owner of the golden locks, was most uncompromising, and it was only the superb mastery of the barber of our year (ably assisted by 20 or so benchmen) which could persuade those beautiful (but oh so bristling!) curls to succumb to the sharp edge of the scissors.

And so Brenton became one of our year in 1964, after finding Uni. not to his liking.

There are some who claim he works too hard, and this czuld be true, but his dedication to his work can only be admired. He may be a bit vague during his studying, but his subconscious mind certainly soaks it up after the fourth or fifth time through. He is anxious to justify the aid rendered to him by the Repatriation Department.

On the lighter side of things, Brenton, although a little on the plump side, is undeniably active. When not working in Mr. Lewis' celery patch, eating celery, or talking celery, and doing figure " 8 " loops in trying to get Massey-Ferguson superiority across to the idiots who dare disagree, he is most likely to be found courting . . . well, you know . . . a girl; or drooling over his car, or swimming, or horticulturing, or even skiing, at which he is now quite adept, but only after finding out what it is like turning cartwheels under water.

It would seem that celery a la Massey-Ferguson will be his goal on leaving College.


RICHARD BALDWIN.-1963 saw a blonde surfie amble in from Borenore, N.S.W. Baldy had arrived. Having spent many years at Shore College in Sydney, this blonde-headed, stompwhompy, real-gone surfer-boy decided Roseworthy it was, to increase his knowledge and to raise the standard of agriculture in N.S.W.

Baldy had not been here long when he established himself as a sportsman. Cricket, football (only after much brain washing -previously one of those foolish rugby addicts) table tennis and athletics. Another sport which occubies this young gentleman's time all the year around is women. Definitely a sport which has been much appreciated by all his mates who were not as competent at the game. Blackwood has the best playing field.

Like all foreigners this fellow runs down the good South Australian barley brew, but it seems to have had its moments with him since his arrival.

Baldy has another series of attributes which have helped him wrangle his way into a strongly knit year. He is a born humorist, satarist and ventriloquist and in his moments has had us in fits of raucaus laughter.

Favorite pastimes are tying up Perce, belting up Clarke, then belting up Perce.

He is not really satisfied that he has soaked up all of the luxurious wealth of knowledge we South Australians have been able to forward him from our vast resources and so he has decided to do the Oenology course before returning to the definite gain of N.S.W.

JIM CA character

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JIM CAWTHORNE.-The first thing that strikes you about this character is his likeness to a River Rat, mainly because he is a River Rat!

The second peculiarity is his laugh (it is certainly dissimilar to tinkling bells or a rippling brook, and it is definitely dissimilar to normality).

The third significant point about Jim? Why, none other than he is a damned good chap, whichever way you like to look at it.

Jim enjoys the simple pleasures of life, and this happy knack of his tends to delude some into thinking that he is possibly devoid of brains. I can only say that, if his sincerity, his will to please, AND his intelligence cannot bring him success in his job (along fruity lines, of course!) then there's something wrong with the world-not with him.

His lack of confidence in himself, because it makes him truly humble, is only another asset.

He is a fanatical cricketer (BLUSH-he's "B" grade captain this year), a leader in ju-jitsu, a keen rifle club member, a teetotaller, a diligent worker, and owner of a Vespa, and an inhabitant of Alawoona!?! via Loxton. Whatever he does on leaving College, Jim is certainly going to enjoy it.

MAX CLARKE (Clackers).-Max arrived at College after completing his secondary Education at Urrbrae. At first Max was rather quiet but after settling in many students were amazed at the Thunderous Tiger roar that issued forth from his room. After an 'incident' Clarky almost took six weeks' holiday, but after thinking of examination results decided instead to beautify the surrounds of the W3 dump with the aid of an axe.

With strict business-like manner Max managed to bribe his relations into selling him a car which he found out wasn't fast enough to beat the 'men in blue' down the Main North Road. However, 'Fred' was ideal for finding Nurses' homes and hairdressing salons.

Max has contributed well to the sporting side of the College, playing very good games through the three years in the " A " grade football team, shown his speed on the athletic track, and his determination, to win the beginners' race for three years in the swimming sports. After completing his course Max hopes to return to his home at Tantanoola and teach his father how to run ten sheep and three beef cows to the acre.

PETER COCKER.-This is a Taswegian. Yes, it's just one of those things. In 1963 Pete decided to come to South Australia and learn about the gospel according to R.A.C. This was only after being indoctrinated at Scotch College in Launceston. He soon found his little corner in our year as the ha! ha! man, and we are ever so sure Agriculture is not his destination-its the Russian Circus. This German descendant would create hell with the Reds.

Tasmania is, according to "Rocker," the land of A.B.C. (apples, beer and cider) and we are constantly reminded about the place and what it is best for. If he is not careful he may convince the thicker members of the year on some of his wild theories.


## Cascade better than Southwark-never!!

Pete, never an ardent athlete, although we did hear he used to row in and out of the paddy fields (sorry, swamps) of Tassy, soon showed us he could shoot a rifle and was a member of the victorious rifle team at Longerenong this year.

Pete has had a problem since his arrival at College. Economics. Now who would agree-deep litter is much cheaper than cage units. O.K. So did Pete, but a certain gentleman made life almost unbearable for him when he ran his room on a similar system.

Like most of us he would like to own his own property in years to come. If he applies his brains with more zest than he has here for the last three years he will easily come through


GEOFFREY GILL.-After obtaining his Leaving Certificate at the Clare High School Geoff arrived at Roseworthy College in March, 1963, waving a prize for the "Best Behaved Boy in Sunday School." However, this washed away (as the stories that filtered back from the Country Cricket Carnival, 1963-64, proved). Geoff has a reputation for biting sarcasm or clever and quick wit, depending on whether you are the subject or the amused spectator and spends a great deal of time being pursued by irate victims, usually 'Baldy,' 'Chris' or 'Thomo.'

His leaning towards Pig Husbandry has meant his acquiring the nickname of 'Perce' (for obvious reasons).

In second year Geoff had the 'Honour' of owning the most under utilised car on the College, but after a few lectures on utilisation and its effect on cost/mile, this changed and it can often be seen heading towards or returning from Kapunda these days.

Geoff intends eventually to have his very own Automated Integrated Environment controlled Piggery or 'Pig meat producing Complex.'


JOHN HERRIOT.-John entered College as a direct entrant into second year after a period at Kelvinators. After adjusting to the way of life at R.A.C. 'Fluffy' settled down to a study in which he has been successful with the aid of a little self promotion.

One of the 'Boys' with the fairer sex he is quoted as saying that he has three proposals to his credit, although we doubt the validity of this statement.

Not an outstanding sportsmen, John has nevertheless spent many hours coaching the athletics team. In addition he has helped organise the Sports Day programme-a task which would cause anyone's hair to fall out!

After a valiant effort to take up the pipe, John decided it was too difficult to keep alight, despite its agricultural appeal.

Come the end of the year we are sure that with his artful way of 'poking along and his mature attitude' John will become General Manager of the Shell Company.

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DAVID KIDD:-Originally from Renmark, Dave came to us as a quiet reserved type who "wouldn't say boo to a goose." Now he would frighten the hell out of a whole flock of them and the First Year too. Although he acquired a B.M.W. that is just ticking over at 60 mph . and can whisk himself away from college and back without a ripple, David has spent much of his spare time at college.

He has been a keen supporter of the Rifle club and contributed greatly by his leadership to the teams' win this year in the Intercollegiate Sports.

Next year is an uncertainty at the moment, but we know he will make a thorough job of whatever he takes on, for that is his way.

DAVID KLEEMAN.-1963 saw this short, stockly little gentleman very quietly come into College from Lobethal after spending a bit of time at A.B.H.S. getting an insight into basic education. Apart from football we hardly saw him except for examination time when his results showed up in the top 10 . Who was this fellow?

Then! we made second year. "Oswald" was weaned. A cricket carnival and we really saw who he was. His hair grew longer and longer and we had a Beatle with bugs in his system. His footy continued to be good. His cricket was good. Athletics -good. Dave, as can be seen, is a first class allrounder, with two best and fairest trophies for football and a record in pole vault Dave has left his mark.

Third year has seen Dave move along with the year, having, like us, his ups and downs. A deadly shearer, this boy. Many was the sheep that was mulsed tail stripped, shorn and dewrinkled all in one operation.

Having missed National Service, Dave has had visions of going to Hawkesbury and teaching them a few tricks from R.A.C. in exchange for a H.D.D. Had he made "Nasho" the army would have had a first class undertaker to send to Vietnam.

MAL KUERSCHNER.-"Blue", after being educated at Walaroy College arrived at R.A.C. after spending two years home at Peek Hill station. Being the older member of the year he has had two years of the S.R.C. With action and quick words he has prevented many showdowns with the authority by students and has earned the general approval of the student body.

Being quietly studious Mal is always near the top. Not an active sportsman he is a keen supporter of college functions, being vice-president of Rural Youth this year.

A bit of a dark horse, Mal is often seen with his white Valiant and speed boat streaking down to the Murray. Failing this, spending an occasional week-end at the Grosvenor-what his intentions are we are not too sure. However, rumour has it that a certain lass at Gawler is ready to slip the noose around his
 neck.

Whatever his career, whether it be raising goats and brumbies in the gibbers and sandhills at Peek Hill, we are sure he will be a success and we all wish him well.


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BARRY LAWES.-Barry came to R.A.C. after spending four years at Port Lincoln High. His ability to dig up scandal in first year often brought him into conflict with other members of the year-in fact it was once rumoured that he was the Truth's reporter at R.A.C. His bias for the West Coast and its farming methods has often started an argument.

He acquired an interest in a machine called Shadrack. This was the source of transport for many outings in Gawler-to see his grandmother!

This year Barry bought himself a Ford Prefect. It has been noticed that this car often finds its way into Gawler, on hot Saturday afternoons.

Barry has recently extended his social activities to Blackwood where he has reputedly joined the local cycle club.

Never one to do a lot of work. Barry has still managed to remain in the top three at examination time.

On the sporting field Barry has been to Intercol. rifle team rwice and played tennis during the summer months.

Where else will he settle but in God's own country, the West Coast.


RON LIEBICH.-Ron came to R.A.C. from Nuriootpa High, a quiet and reserved young man. He soon became known as a keen and staunch supporter of the College "B" grade football team. He has also proven himself a good cricketer and has this year been elected vice-captain of the College "B" grade team.

Physical fitness is almost an obsession with Ron and he may frequently be seen running across paddocks and occasionally into Gawler or to his home in Rowland's Flat.

Although not an outstanding scholar Ron manages to pass his exams. quite comfortably. Ron has wisely chosen to do the 'Fruity' course, but is undecided as yet to his future career.

Even after three years at College, Ron is still a very quiet and reserved young man, but there again, one never knows these quiet types.


PAUL MANNION.-This rather quiet lad with many hidden talents entered R.A.C. after seven years at Blackfriars. It took 'Moose' months to open out, but when he did, he became most certainly 'one of the boys.'

Paul has always managed to pass his exams., even if there are a few sups., with honest hard work.

In his second year, he acquired a motor bike and an interest in the fair sex, and in one of these fields he is shaping well. Being an average sportsmen, 'Moose' has managed to make the cricket team, Intercol. rifles, and to draw attention to himself at the wrong time, as on the Northern Trip this year.

Some of his interests are arguing, going steady and developing public relations.

He is considering wool classing next year and then may eventually raise pigs at Kapunda. Presumably heavily wooled pigs.

CHRIS O'DONNELL.-Having spent one year working at home, Chris apparently decided that clearing their newly-purchased property in the S.E., by boat for the major part of the year, was somewhat an arduous chore which perhaps could be improved upon with one year's training at R.A.C.

Chris' social life in first year was fairly quiet-which we believe now, was designed to mislead all who made his acquaintance. His coming of age in the latter part of Second Year provided him not only with a car but also, apparently, a licence for more than his share of "company" from the fairer sex.

Besides the above talents, Chris has proved himself very versatile in whatever field he turns his hand to. An "A" grade footballer, an Intercollegiate tennis member and a competent athlete certainly place him in the "all-round" sportsman group.

Academically Chris has managed to maintain a relatively constant position in the middle half of our ever-dwindling numbers.

Chris' destination appears to be definitely in the Mt. Gambier district, where he aims to develop an aquatic beef breed to combat the excessive water problem.

BOB SAMPSON (Sammy).-Bob hailed from a remote town, Edillilie on the barren wastes of the 'Coast.' A very keen sportsman, he has found a place in A grade football each season and is a prominent tennis player, being Secretary last year. Though not brilliant scholastically, hard work puts him near the top during examinations.

Inexperienced in handling the fairer sex before entering R.A.C., he has remarkable ability in picking up the skill and is now prominent in that regard as displayed at Elizabeth one night, though his former shyness came to the surface at the Show this year.

Bob's presence is normally hailed as 'Look out, here comes Sammy'; the sound of which sends Moose and Bubbles for shelter.

The future will probably see 'Sammy' attempting to farm the desert region of Edillilie or he may join Sampsons Travel Service.

BRUCE SHEPHERD.-After leaving Pulteney Grammar, Shep. decided it was R.A.C. and all that goes with it for him. This worthy 'old' gentleman, yet to get a reasonable sort of report, hails from Lucindale where he tells us that the Strawberry Clover is the best in the State.

When not dressed in 'dungys,' he may be seen running off to Adelaide in the Holden in search of new talent, although a certain attraction seems to be around Glenelg. His relations with the Housemaster have resulted in many penalty week-ends.

Not a regular sportsman, he manages to play an occasional game of cricket or football if not having a bash at rifles. A keen supporter of the barley industry, he never fails to amaze us at exam. time when he comes through unscathed with the absolute minimum of work.

Having missed the call-up, he will probably join his father at present developing a property in W.A. His aim is to produce small seeds and sell them at an extortionate price to S.A.



ADRIAN SMITH.-"Acco" comes from Mintaro ex Sacied Heart. He holds very fixed interests and refuses to budge, especially on the subject of Chamberlain tractors. His fixed principles do not extend to the authority or first year students.

The "Green Ocker" has made many trips to various parts of the state and is never stationary on a Saturday night. Adrian does not smoke or drink but he agrees that fast women could eventually be his downfall. In this category we must exclude "Belinda."

He has remained Dux of the Year and his devotion to study amazes us. A keen "A" grade footballer he has held out many attacks in his position at full back.

A member of the S.R.C. he vigorously slates authority, yet despite this he has been remarkably free of trouble. A hard worker, Smithy intends to return home to his beloved Mid-North where we will no doubt see him reaping certified Mother Clare


LEN SNELL.-Len, from Angle Vale, came to us from Scotch, deciding that R.A.C. was his next port of call. The youngest member of the year he has always managed to get through with the minimum amount of work. Rifles and what goes with it has been his main sporting activity at R.A.C.

Transport was a ' 27 Buick roadster which made its presence known in the early hours of the morning. When this 'blew-up' Len acquired 'the old man's' Inter. Ute. which fortunately refused to start one night on a distant college road, and being found by the authorities was consequently removed from the College. The next month for Len was spent digging trenches on week-ends.

Len's female interests are varied however, he always manages to bring talent to each ball.

On the subject of Landrace pigs, A.I.S. cattle and Western Australia, Len gets wound up expounding the merits of each.

After completing his R.D.A. Len will probably work home for a year or two before being put over the state line to "Oakford," Waroona, W.A.


BRYAN THOMAS.-"Tomo" wandered into R.A.C. from the Mallee, after completing rather an intermittent schooling at Urrbrae. Always one to speak his own mind, Tom found that this did not get him very far when he arrived at College.

Being an ardent admirer of the fairer sex, Tom enjoys nothing better than a swinging party, where he is able to show up his ability as a gymnast.

He has always been a keen member of the Tennis Club, travelling to Sydney in ' 63 for the Intercoll. Later Tomo went to Tasmania to a certain place known better as the "Headquarters," a hot spot for participating in several of his lesser virtues. Now with his vintage Jaguar on the road, the horizon is the limit.

Organization is something Bryan has given away long ago.
What the future holds for him, only time will tell. To tour Australia in the Jag. would be a very good bet at the moment, so keep your eyes on the "Miscellaneous" column, girls, he may be looking for an "interesting travelling companion to share experiences."

BRUCE THYER.-'Bubbles' entered our year after gaining his Leaving at Nuri. This bright young man from amongst the vines at Eden Valley entered our year sporting a push back hair-do and buckled shoes. These items were quickly done away with upon the advice of the established members of R.A.C.

Bubbles informed us that 'back home' the grass is greenest, the sheep the biggest, the cattle the fattest and naturally the girls the most desirable. This leads him to the confused state of not being able to decide whom to invite to the ball. So he invites two, who accept and he's really in trouble.

Scholastically 'Bubbles' has always been consciencious and has maintained an above average position in the year. An enthusiastic worker with an unorthodox seeding method sums him up.

His sporting activities include membership of the Intercol. rifle team, a keen swimmer and a particularly joyous participant in party sports.

He is reputed to be entering the 'Plonky' course and then he feels he will be qualified to travel Spain where he should succeed. After all it is a country of fiery women and bulls and his knowledge, though quite vast on the former, is extensive in bull.

"Clackers" Clarke the ever compassionate lends a helping hand.


Back Row (Left to Right): C. Caudle, B. Crosby, J. Kohnke, P. Ryan, M. Cochrane, P. I. Jones, M. Babidge, J. Nickolls, G. Fromm, P. L. Jones, R. Dawkins, J. Evans, R. Partington, R. Young, P. Yeo.

Centre Row (Left to Right): B. Clark, J. Bond, C. Sluiter, J. Adamson, P. Coombe, P. Shaw, A. Elliot, T. Hannan, J. Jones, N. Newland, J. Symes, P. James-Martin, R. Hay, D. Hicks, D. Crawford, G. Eskersley, T. March, R. Stapleton, C. Hurn.

Front Row (Left to Right): R. Nicholls, R. Hutchinson, R. Thomas, J. Dawkins (S.R.C. rep), D. Snook, R. Holloway, Mr. Herriot (Principal), Mr. Philp (Secretary), R. Newberry, R. Brown, W. Reddin, K. Woods, G. Schrapel, B. Mortimer.

## First Year

Many of us arrived at Roseworthy with unfortunate misapprehensions and were somewhat surprised to find that our senior inmates did not exactly welcome us with open arms. We resented their subsequent treatment of us but after an abortive coup most of us decided it was worth putting up with and so we settled down rather uncomfortably at first to this unique life at R.A.C.

The steeplechase aroused much excitement and enthusiasm from the whole college and an unknown colt from Peterborough, supposedly held back at the trials, realized record price of $£ 6 / 5 /-$ at auction. The owner's aspirations were not fulfilled however, and the favourite, a leggy colt from Loxton romped home with a lap of the oval to spare.

Still in the sporting vein, first year found that it provided much of the football talent at the College. Peter Yeo won the coveted Mail Medal and also the Tim Dunstan Trophy for A grade, with Lofty Jones runner-up. Rohan Nicholls was runner-up for the " B " grade and Graham Fromm was most improved player. John Kohnke as a very efficien' ecretary was awarded the prize for most service to the club.

Pete Yeo and Ross Dawkins were
members of the successful Intercol. tennis and rifle teams.
An interesting development within first year has been the establishment of a ciscussion group. Twenty interested members met and elected a committee which with the assistance of Mr. Quick and Mr. Woodruff mapped out a programme for the first two meetings. The second of these was a very interesting talk by Mr. Bungey on "Vietnam." This meeting was well attended and the talk stimulated much thought and debate amongst those present. It is hoped that this club will remain in existence at least as long as its present members remain at the College and for years after as well.

Our first examinations, at the end of first session, were approached by most with a carefree indifference and if nothing else the results show that a little more effort is required to achieve success.

Already two of our original 48 have seen the light and left-one to go to University next year and the other-well just to get out.

The same unconcerned attitude of first session is still apparent but let us hope that this will give way to a more serious attitude as the examinations draw nearer so as we can be the largest second year as well as the largest first year to enter Roseworthy.

The se having lo ties whic namely th

We Colonel) represent delighted managing had to b annual oc would $n$ left us a St. Ignat Honours.

We hs ranging fis hot Hol mixed as

Wool tion from first sessi fast, whic after pigg fit for pig

The se mendous with the making

## Second Year

The second years started the year well, having lost only ten lads in those calamities which occur at the end of every year, namely the examinations.

We elected John Curlewis (The Colonel) and Jon Lawton as our S.R.C. representatives and the year has been delighted with their performance in managing to keep our year intact. Jon had to break his arm again. This is an annual occurrence and without it the year would not be complete. Duffer Doube left us at the beginning of the year for St. Ignatius College to do his Leaving Honours.

We have a fine collection of cars, ranging from a 1940 'Shadrock' to a 1953 hot Holden owned by Fangio with a mixed assortment of 'grinders.'

Wool classing trips provided a variation from the monotony of lectures in first session. Lunch was eaten as breakfast, which is poorly attended by our year after piggery declared the food no longer fit for pigs and must be buried.

The sessional examinations gave a tremendous shock to the system, resulting, with the aid of a county project, in making 'the boys' knuckle down early in
second session. For a couple of nights anyway.

Our year was well represented in both A and B football teams with Jon Lawton and Keith Pattinson being selected for the association teams. Keith Pattinson was Captain of the A team and Mall Woods Captain of the B's until he was promoted to the A's.

In the Intercol. Geoff Pfeiler, "Toothy" Keain, Peter Gourlay and Jon Lawton represented our year in tennis.

While Wiggles groomed his show pigs this year, Tom repaid his lavish care by biting him and putting him in bed for a few weeks.

The River trip went off well. Our Supervisors were loath to let us go 'abroad' without a police escort, and were more than relieved when we did not play up.

Second years were very much in evidence during haymaking by getting nearly all the paddocks cleaned out in three days. This was not due to an abundance of speed, but lack of hay.

We started on a new venture this year of raising chickens for meat, with the aim of making our first impressions on our Third year dinner fund.

We pride ourselves on being a unified year, and we intend to remain this way by losing no-one at the end of the year.

Back Row (Left to Right): I. Anderson, M. Merckenschlager, P. Humphris, W. Ward, I. Pickett, G. Pfeiler, J. Lawton, W. Piercy, A. Clancy, M. Freeman, J. Curlewis (S.R.C. rep.). Centre Row (Left to Right): P. Gourley, M. Woods, D. Cooper, K. Westbrook, R. Carty, M. Cooper, R. Clements, D. Pannach, W. Hatherly, K. Keain, P. Greenfield.
Front Row (Left to Right): B. Wigney, C. McGowan, C. Gaitskell, J. Klingberg, Mr. Herriot (Principal) Mr. Philp (Secretary) K. Pattinson, R. Osborne, R. Stacey, A. Hoey.



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(Left to Right) P. Wall, D. Ellam, A. Knappstein, G. Cook.

## Second Year Oenology



Prancer you dumb b . . . . . ! , I said, "Land on the Schmidt house."

The "Plonky" Course of 1965 had four student members; Gordon Cook, Bardick Ellam, Tim Knappstein and Peter Wall. Wayne Thomas and Peter Klose having left at the end of last year to take up positions in the wine industry.

Mr. Bob Guy left a much felt hole in the Course when he went early in the year to take a position in India. He has taken the best wishes of all who were associated with him.

The course's new instructor in Oenology is Mr. Bob Baker an ex winemaker from Loxton Co-op.

Mr. John Gursansky was also welcomed this year as the course's new instructor in viticulture. Mr. Leske and Mr . Gerrard complete the list of Oenology lecturers. The "plonkies" thank them each and all for their efforts over this a difficult period of transition for the Roseworthy Diploma Course in Oenology.


We were handicapped when Mr. Hutchins left soon after the year started, but his place was later filled by Mr . Baker (Oenology Lecturer). We thank Mr. Hutchins for his help and wish him success in the Development Bank. Andrew Doube left soon after the year started and he was one of our best shooters.

We were unfortunate not to win in any shoots with other clubs. The Intercol team consisted of Dave Kidd, Peter Cocker, 'Moose' Mannion, Barry Lawes, 'Bubbles' Thyer and John Dawkins. We did badly in the practice but managed to win Intercol. for the first time since 1950. It was a team effort rather than individual shooters. Barry Lawes was the best and most consistent shooter on the range.

We hope we can repeat this success sufficiently until 1970. Rifles will then give way to Basketball due to increased ammunition costs.


On December 18, 1964, the annual inter-year swimming carnival was held. The competition was won by the First Years, John Curlewis won the Championship cup with wins in the 440 yards freestyle, and 110 yards freestyle and second placings in the medley, 110 yards backstroke and 55 yards freestyle. Runner-up was David Pannach. Bill McGowan and Steve Gee were the most successful Third Years. David Pannach was first in the medley and 55 yards freestyle and second in 110 yards freestyle and 440 yards freestyle. Bill McGowan won the two metre breastroke. In the 55 yards butterfly, Keith Pattinson and Jeff Crome struggled home to make the race a draw.

The greasy pole event was won by John Lawton. The beginner's race was won by "Errol" Flynn and the Staffies' race was won by Mr. Woodroofe, just ahead of Mr. Bungey.

This year the College fielded only one "A" grade Water Polo team and thus we were met with some strong opposition. With Mr. Hollamby as coach, the team put in a good effort and the standard of the College team was of a favourable level. Bill McGowan was the captain, with the remainder of the side comprising of "Blue" Holder, Jeff Crome, Steve Gee, Keith Cowley, David Pannach, John Curlewis, Keith Pattinson, Brian Hill and Mr. Hollamby.



Roseworthy College entered two teams in the Gawler \& District Tennis Club Assoc. Inc. in the 1964-65 season. The teams entered were our "A" grade team of four men and four girls and a "B" grade team of six men and six girls.

An opening day was held at the beginning of the tennis season. This gave new players in the teams an opportunity to meet.

Members of the " A " grade team were G. Pfeiler (captain), P. Gourlay, K. Keain, C. O'Donnell and R. Ford.

The team finished fifth on the premiership table.

The "B" grade side representing College was comprised of K. Westbrook, J.


Lawton, G. Cook, J. Curlewis, J. Hughes and R. Sampson. This team finished fifth out of eight teams in the competition.

At the annual tennis dinner a prewedding gift from the tennis club was given to W. McGown and L. Vine who had recently announced their engagement.

The College tennis teams are indebted to the following girls who gave their time to play for the College teams: S. Fotheringham, L. Gebbler, J. Dawkins, M. Hooper, S. Sutcliffe, M. Congdon, M. Davies, K. Heinrich, S. Brown, J. Gardner and L. Vine.

The R.A.C.T.C. held a tennis tournament during the 1964-65 season. Results were G. Pfeiler, winner Open Singles. Runner-up, J. Lawton. G. Pfeiler and P. Gourlay, winners Open Doubles. Runners-up, J. Lawton and J. Anderson.

A team of R.A.C. students won the Intercollegiate Competitions in 1965 at Longerenong. The team, comprised of G. Pfeiler (captain), J. Gourlay, K. Keain, J. Lawton and P. Yeo, did not lose a match in the series. An outstanding effort was achieved by this team in the doubles, the team did not lose a doubles rubber. Top double, comprising of G. Pfeiler and P. Gourlay, did not lose a set during the competition and were given cups for this effort. The Shield was presented to the R.A.C. team by Mr. Chandler, Minister of Agriculture in Victoria.

The thanks of this team must be expressed to Mr. R. Ford for his coaching and management effort. ?

Last cricket te and just four. Va the play season.

A Sun staff pro and flash from the

The last year Richard runs witl win the was the 35 wick Russel and tool of 16.0 I fiery the Fielding Dave K selected tion und formed

We he the 1965 in ${ }^{-1} \mathrm{~A}^{\text {" }}$

Let's display ti which is


Last season College fielded one cricket team in Para Districts B Grade and just missed out on reaching the four. Varied success was met with by the players during a very enjoyable season.

A Sunday match between players and staff provided some exciting moments and flashes of good cricket could be seen from the older side.

The most outstanding performance last year was given by the skipper, Richard Baldwin. He knocked out 456 runs with an average of 45.6 runs to win the Batting Trophy. Richard also was the most successful bowler taking 35 wickets with an average of 14.2 . Russel Miller was the next best bowler and took 26 wickets with an average of 16.0 runs. The speed attack was very fiery thanks to Peter Humphris. The Fielding award was won by R. Baldwin. Dave Kleeman and R. Baldwin were selected for the Para Districts Association under 21 team, where they performed very well.

We have 50 registered players for the "1965-66 season with teams playing in "A" grade and "C" grade.

Let's hope that the College teams display their worthiness in a competition which is very strong.


Four social functions were held at the College this year. All but one was presented by the Committee, and this being the dance for the visiting Dookie Footballers.

The other functions consisted of the Annual Autumn Cabaret, the College Ball and the Barn Dance in the new shearing shed. Good attendances were made at all of the functions, and this was pleasing to see. One welcome surprise was the attendance to the College Ball by one of the members of the College Council (Mr. E. Mander-Jones and his wife). We hope next year that more of the Council can attend.

Many thanks are due to the people who assisted in decorations for the functions. We are quite sure that the functions in the future will be as good, if not better.

Back Row (Left to Right): Mr. Burton (Manager), P. Humphris, P. I. Jones, G. Fromm, P. L. Jones, N. Newland, P. Yeo.

Front Row (Left to Right): R. Holloway, J. Gill, D. Kleeman, R. Baldwin (Captain) © Hurn, M. Woods, B. Clark.



On behalf of the College Football Club I would like to extend thanks to spectators and staff members who helped the College Football in any way this season.

The season began in the usual way, plenty of ego and enthusiasm but players were unfit for the first few matches as the College year doesn't start till April, and this leaves players only a few weeks to get fit.

The College " A " grade did not make the four this year, but the " B " grade played in the first semi-final and were beaten by Hamley Bridge.

Congratulations are extended to Peter Yeo who, in his first year at College, won the Mail Medal for the Gawler Association.

It is interesting to note that the College football training list consists of approximately 62 students. This, of course, varies somewhat throughout the year because of exams and holidays, etc.

Our thanks are extended to Mr. Parry who coached the football teams this year and also our assistant coach, Mr. Bungey, who helped with the coaching of the " $B$ " grade.

The team's best matches were against Centrals, Souths and Lyndoch, but overall the general pattern of play by the College team was erratic.

Perhaps the most rewarding event was when the College "A's" hammered those Victorians (Dookie College) into the ground and ended up winning by four goals. Our College intends to visit Dookie during the 1966 season.

The football dinner, with staff members, fathers and students attending, proved to be a great success, but here's hoping it will be held next year after we have taken out two premierships.

The present College Students beat the Old Students this year. I am not quite sure whether the argument between the backs and forwards has yet been solved, but here's hoping for a good year in the 1966 season.

Back Row (Left to Right): J. Evans, J. Lawion, G. Pfeiler, P. I. Jones, P. L. Jones, A. Smith, C. O'Donnell, P. Yeo, M. Merckenschlager.

Centre Row (Left to Right): Mr. Wood (Manager), C. Caudle, P. Shaw, J. Curlewis, P. Humphris, P. Coombe, C. Hurn, M. Woods, R. Baldwin, Mr. Farry (Ceach).
Front Row (Left to Right): M. Clarke, K. Woods, R. Stapleton, D. Kleeman, K. Patitison Captain), I. Anderson, R. Brown, B. Clark, R. Sampson.


Men

## Basketball

Men's Basketball will be replacing Rifles in Intercol in 1970 and by a special clause may even come in before this.

The following is just a little information about the sport.

It was originated in America in the 1870's by a Presbyterian minister Dr. James Naismith, a Canadian.

Nowadays the game is played on a rectangular court a little bigger than a tennis court. There is a basket ten feet from the ground at either end with a 6 ft . x 3 ft . blackboard behind it.

The game is played with a vulcanized rubber ball. The objective is to get the ball into the opposite basket moving it around the court by passing it or dribbling (bouncing one hand). If more than one step is taken without bouncing the ball, it is penalized as "travelling" and a free goes to the opposite team. Any bodily contact is penalized as a foul and five fouls disqualifies a player for the rest of the game.

The game is played by five men with up to seven reserves who can be substituted on and off whenever the ball is "dead." It consists of two halves of 20 minutes duration. Each half is commenced by a centre throw-up whereby the centres attempt to tap the ball to a team mate.

Basketball should fit in well at R.A.C. because it develops quick reflexes, balance, leaping ability and teamsmanship.

The sport is the fastest developing one in Australia today and in South Australia, The United Church Association alone has over 250 teams competing in various grades.

There are eight district teams and competitions are run in Under 18, Under 16, Under 14 and Under 12.

South Australia is the top basketball State in Australia with five members in
the Olympic side which came ninth in the Olympic competition behind such countries as U.S.A., Russia and Brazil.

Experts say we would have gone further had we had a tall man (about 7 ft .) as our tallest ( 6 ft .8 in .) was a dwarf compared to the 7 ft .3 in . Brazillian and the 7 ft .2 in . U.S.A. man.

The Harlem Globetrotters have done much to spread the game's popularity, with their ball handling wizardry, but, nowadays these fellows are made to look amateurs by other professional teams in America. Some of these professionals earn $\$ 60,000$ for a season.

The students will have good opportunities to carry on with the sport once they leave college as basketball is spreading quickly throughout the country areas -Port Lincoln, Cleve, Kimba, Whyalla, Port Augusta, Maitland, Loxton and Mount Gambier already have basketball competitions going.

With a bit of luck we can begin playing the sport here next year and so really get the hang of it to turn in a good showing when basketball is first played in Intercol.

"Moose" has a kink for shearing

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## Staff Notes

This year we welcome six new staff members and farewell four. This is just the growth rate to make Parkinson happy.

With the rebuilding at the Cellars came many changes. Mr. Gursansky, R.D.A., returns after six years as an adviser at Nuriootpa as Horticulturist. He brings with him a wife, three children, a dog and a knowledge of strawberry culture that is the envy of his neighbour. We believe his new nursery propagates more than fruit trees.
We were sorry to farewell Mr. Hutchins, who served the College capably as a student and staff member for over five years. We wish him luck in his new job with the Commonwealth Bank.

Mr. Guy ended a colourful connection with the College and his "quiet and tactful" manner was last heard of at Hyderabad.

His place has been taken by Mr. R. Baker, an honours graduate in Oenology in 1942. After travelling America, Mr. Baker worked for Renmark Growers and Loxton Co-op. before coming to Roseworthy, bringing a wide knowledge and a consuming desire for technical efficiency.

From Bacchus to lactis. We farewelled Mr. Trotter, who returned to Scotlandno doubt driven to homesickness by swirling kilts and wailing pipes. In his place we have Mr. A. Morris, diplomate of '47, who recently moved from the Dept. of Agriculture Irrigation Centre at

A face-lift for the cellars.
Milang with his family, to whom we extend a warm welcome.

Our intrepid colonialists, the Gerrards, decided 12,000 miles wasn't quite enough and moved over the road to the first of the new houses. Their novel house-warming-at $3 \mathrm{a} . \mathrm{m}$.-was appreciated by all, including the local E.F.S. Our observer notes a chain reaction as the Woodruffs now have good reason to wake at 3 a.m. to the arrival of Glenys Corrie. This reaction hasn't yet disturbed the third house, the Parrys, who seem to have been working too hard in the garden since their marriage earlier this year.

The above staff movements depleted the single staff quarters of all but TV, fridge and "Waxy". Mr. Watt, a 1964 graduate, has spent much of 1965 organising Miss Australias and is to hire his talents to Dr. Forbes for the next two years.

Spring-time saw the departure of Wendy and her infectious cheery nature from the office. We wish her well in married life. The office strength has been restored by the recent arrivals of Miss Helen Barkley and Mr. Leaner, librarianclerk.

Rob Weaver joined us in September as Chem. Lab. Technician, but has been claimed by the A.P. Lab. for two days a week.

Finally, congratulations to Mr. Burton, who successfully completed his M.Ag.Sc. thesis. We hope this serves as an inspiration to all those struggling through their projects.

Irrig

Feeding coming m and to ss resources Thirty per face is ded waste can the rivers then irriga been pra throughout successful poisoning is for this been mad along the Valley, an 23 million come ung deserts are U.S.A. sal high proos that India irrigated la but salt d ancient ca characterist an efficien drainage.
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## Irrigation and Imperial Valley

Feeding the world's population is becoming more of a problem every year, and to succeed we must use all our resources and technical knowledge. Thirty per cent. of the world's land surface is desert. Fortunately some of this waste can be made to blossom by daming the rivers flowing through these areas, then irrigating. This is not new and has been practiced in many countries throughout the world. The problems of successful schemes are numerous, salt poisoning being the most serious and it is for this reason millions of areas have been made completely useless. Areas along the Tigris-Euphrates Valley, Nile Valley, and Indus Valley (over half the 23 million acres of irrigation have become unproductive). Once blooming deserts are again useless deserts. In the U.S.A. salt also started accumulating in high proportion, it is interesting to note that Indians hundreds of years ago irrigated land from the Colorado River, but salt drove them away leaving only ancient canals as evidence. So with characteristic intensity the U.S.A. devised an efficient and workable method of drainage.

Imperial Valley is the largest irrigation district of its type in the Western Hemisphere and is one of the world's most intensive experiments in new techniques for desert agriculture. The Valley is situated on the border of California and Mexico with El Centro as its main city. It was started in the late 19th century but by $1920,50,000$ acres had been abandoned. Today this halfmillion irrigation area produces all types of crops which can withstand high temperatures. Sizzling temperatures start many stories. One such story is: A man hanged for murder and sent to hell was permitted by the Devil to go back for his overcoat. This harsh area has qualities which make it blossom. Firstly the reddish top soil, brought down by countless floodings of the Colorado river and
which lies two miles deep in places and the 365 days of sunshine. Here man supplements a natural 3 in . annual rainfall to provide a perfect medium for agriculture.

To get water to the Valley, vast daming and canal systems had to be built. This system stretches from the Hoover Dam, Nevada, to the Imperial Dam, near the Mexican border. From here the All American Canal sucks a quarter of its total flow from the Colorada River through five man-made drops to generate electricity for the Valley. This water is controlled by a Special Water Authority, so all the farmer has to do is ring the Authority and tell them when, where and how much water he'll need.

Already 60 per cent. of the Valley is drained by 9,500 miles of tiled drains set six feet down discharging seepage into approximately 500 miles of waste ditches which run into the Salton Sea; the U.S.A. equivalent to the Dead Sea for a cost of $\$ 20$ million. With about 2 million tons of salt flowing into the Salton Sea every six months, one looks forward to the not too distant future when some of the notables from Palm Springs may be able to grace the lake's surface, reading and sunbaking.

The Border System of irrigation is the most popular as crops are mainly closely grown, and may be temporary or permanent, depending on the levees. Basically it is strip flooding of a paddock seg-


Cocker after a day's shearing.
mented by levee banks approx. 20-30 ft. wide. Three methods of construction are used, cross ridging, single operation and ridging. Cross ridging involves levelling at right angles to the flow of water and dumping soil on previously marked lines for the levees. Levees are then built up and shaped with the whole area graded parallel to water flow with a float for a total cost of $\$ 5$ acre. Single operation method is the quickest as a specially designed Crawler with a snow plough front levels and builds levees at the same time. Lastly ridging uses a two-way throw disc plough to construct levees parallel to water flow for $\$ 3.25$ acre.

As a result this half-million acres showed a gross income of nearly $\$ 215$ million for 1963, from over 30 different facets of crops, livestock and apiary. The main crops are lettuce, cotton, lucern hay and sugar beet, with very little fruit products. Capital invested is very high so good returns must be forthcoming. Land costs $\$ 100-1,500$ per acre and implements are large, expensive and have to be hauled by crawlers as soil type is so heavy. To cut machinery expense, contract labour is used wherever possible. Yields are good, barley from 1 acre yields up to 3 tons; cotton 6 bales ( 1 bale equals 500 lbs .), this is four times the national average; sugar beet approx. 22 tons and lucerne cuts of 10 tons are common. As land is in constant use, fertilizers and pests are in need of
constant attention. Nitrogen and phosphate needs for cotton are 500 lbs. per acre of N and 100-150 lbs. per acre of phosphate, often applied through irrigation water. Not to be out done, pest yields are also excellent and from planting in March/April to harvest in October-December cotton may have to be sprayed seven times.

Like women who are constantly moving into man's sanctuaries, industry is challenging agriculture with synthetics. Milk from grass and delicious plastic steaks. To answer this challenge, agriculture must become more productive particularly in Agronomy, Pomology and Olericulture. Irrigation is one answer which is applicable all over the globe and Imperial Valley has contributed well to the success of permanent irrigation.

The new Shearing shed


## Seventeen Diplomas in 1966?

I believe that since Mr. Herriot has been Principal of this College, i.e., since 1962, there has been a general pattern in the number of diplomates from Roseworthy. I will now prove it.

In the columns below are listed the letters of the Principal's surname. The second column is the number of the letter in the alphabet, e.g., H is the 8th letter in the alphabet. Added to this number is the number of years Mr . Herriot has been principal. The difference between this sum and the number of the corresponding letter in the fifth column is calculated. The letters in the fifth column are listed as "UORLIFT" which is an abbreviation for Universities of Rotterdam, Lisbon, Istanbul, Frankfurt and Tangier, from where this method of calculation was derived.

A common addition of 1.2 is made to each figure in the sixth column to give the number of diplomates.

These results are in accordance with those from 1962-1965.

## Difference

between largest
and smallest No.

|  | +1 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| E | $5+2=7$ | O (15-7) | $+12=20$ |  |
| R | $18+3=21$ | R (18-31) | $+$ | 1963 |
| R | $18+4=22$ | L (12-22) | $+$ |  |
| I | $9+5=14$ | I (9-14) | $+12=17$ |  |
| O | $15+6=21$ | F (6-21) | + $+12=27$ |  |
|  | $20+7=27$ | T 20-27 | $+12=19$ |  |

## The Skindiver

The sparkling waves distort the true form Of a patch of colours moving below me. Brown-shape flashing yellow and green
It passes through crimson-flecked coral gardens
A man! Flippers working, spear gun outthrust,
The Skindiver searches along the sea floor
His breath ascending in silver myriads.
With stealth unknown to these haunts
He stalks around ghostly domains:
Steel glint impales a drowsy prey,
And cruel barb enshrouds the frantic flutter
Which incites the friendly schools to panic.
But diver beware-
Harsh light may darken your paradise,
And obscure those hazy depths
Where lurk crueller shapes, steel as hard Grey skin, cold eye and colder barb.
D. J. Cooper.

## Roseworthy Dude Ranch

Approximately 32 miles from Adelaide is one of the most notable Dude Ranches in the business. It has changed hands recently after a long term of ownership by Playford and Brookman to be run by Wal-Waters Inc. The management, hired by the previous owners, is still being tolerated by the new partners.

On arrival the new dude receives continual "howdys" from the dudes who arrived on previous stages.

All trail rides start from the bunk house, a large two storey building.

The southern trail will take you past the parched sporting arena, an illicit still and past "the old swimmin' hole" and the fruit block.

One may also on this ride catch a glimpse of Big Chief Sitting Bull smok-
ing a peace pipe "up on the hill' or find themselves among a flock of vultures.

Riding west from the main bunk house on trail two, one may see an old butter churn, or see the ranch hands coral the herd for a wild cow milking contest under the auspices of "Big Jim."

Near the north-west trail a dude may find the close cropped pot bellied ranch foreman whom they say has a distinct yearning to drive for Reg Ansett. Here too may be found the range workers, including Flash the Fencer, moving slowly about to conserve their energy. This is harsh country!

Due north from the main bunk house a trail leads past the hacienda of Chief Spanner in the Works to the wild pig country. Here "Perc the Intrepid" stalks and kills among herds of squealing tuskers, the feathered marauders that invade these mud flats.

As Big Slim was heard to remark. "Now doan that beat all!"


Or was it West 10 ?

Indeed, church! interesting having a t

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Now th stem from whether their being decadent, s to glimpse of affairs far astray f

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## Why attend Church?

Indeed, the very idea of going to church! Why should we go? A most interesting question. I would appreciate having a try at answering it.

Let's get one thing straight; we don't have to go; it is purely a question as to whether one has the NEED to go.

Now this NEED; where does that stem from? Firstly, we must decide whether we can conceive the idea of their being a God. But can these frail, decadent, sick minds of ours hope even to glimpse what God is? Such a state of affairs can only serve to show how far astray from God humanity has gone.
When we see this infinite gap, we can only be but deeply humbled; it is only then that we can begin to grasp God's great mercy and love toward us, in that he has provided the balance whereby we can walk the tight-rope of life, where God is our only master and true friend. This road leads to a glorious eternal reunion with Him.

Below, and even all around, this tightrope of LIFE is the fiery furnace that is hell, in which are trapped, with no way of escape, those who do not know God, or those who know of God, but who cannot bring themselves to follow Him.

Who can appreciate the infinitely deep peace, joy and happiness that can be ours? Certainly not OUR sinful minds. We must have faith, faith, FAITH.

And how are we to gain and maintain this faith?

Firstly by the study of God's Word. How blessed and how fortunate is the person who can overcome his cynicism towards subjection to God; or who resists the sweeping tide of life, in order that he may search out God, and thus gain salvation. God has the answer to any question we may care to put to Him, if we only care to search Him out, both by study and prayer.

But, alas, life seems to have a magnetic force, and a person is drawn to it,
and caught up in it, without too many questions being asked.

Christians must be constantly on their guard, that they may keep their faith, their humility, and their ability to praise
God.

This, then, is why we have churches on earth; that we may be strengthened and encouraged to continue in the way of God by such open worship of Him.

But we must realise the imperfections of earthly existence (what little virtue there is) and also, therefore, the imperfections of the earthly church.
And, thus, deeply humbled, we can only praise God all the more, for, through Jesus Christ, He has given us the means whereby we can become members of His spiritual church, where all is perfect love, peace and unity.

Oh fools, fools are they who can not see the need for God, or who can not go all the way to come to Him, for theirs is the road of eternal destruction.
R. E. Liebich.

Although they say that not enough advertising was done for our Farmer's day, our reporter at Tukiaka has sent us a poster he found on the verandah post of the local pub.

## HAVE YOU SEEN

A paddock being cultivated clockwise?
A paddock harrowed in road gear?
A hay rake wrapped around a Nuffield?
A forage Harvester converted to a scrub roller?
Fumitory grown for grazing?
Merinos lambing in October?
Fifty cows milked in 20 minutes?
Wasleys Road sown to oats?
Fowls which lay an egg a month?
A sow farrowing in a feed bin?
Two acres of cabbages weeded by hand?

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Meggitt's Linseed Sheep Nuts (Min. Protein 36 per cent.)
Pure Linseed Meal, an extremely palatable vegetable protein, is rich in essential nutrients. Most suitable
when adequate roughage is available.

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## "Prime Joey"

Not much thought is given to the kangaroo becoming extinct, or even rare in Australia. We are constantly reminded of them as they appear on our coat of arms, stamps, coins, aeroplanes and until recently in the field.

However, the kangaroo is doomed unless some drastic action is taken within the next few years. People do not seem to realize how easy it is to eliminate a species (the koala is an example), but how hard it is to revive that species. After 20 million years on earth, the kangaroo is unable to reproduce faster than the rate at which it is being destroyed.

The reasons are simple enough. The pastoralist does not like the kangaroo to take money out of his pocket. The farmer has the same reasons. In 1960, kangaroo fur was recognised as being very smart clothing material. Kangaroo leather has become very popular, and a multi million dollar pet meat industry has sprung up. These articles are in tremendous demand.

The methods used to shoot the kangaroos are very efficient and deadly. High powered automatic rifles with telescopic sights, and dashboard rests allow no kangaroos to escape.
"No native animal can stand up to the reported death rate of 10 million a year," Australian Zoologist, Jack Marshall, says.

Many people take a very obtuse view of kangaroos, and ask what is the use of these feed robbing pests. They don't realize that this is what they themselves have made the kangaroo.

In the first place, the kangaroos were here in their natural environment. Then man came and pushed the kangaroo out of its niche and replaced them with the sheep. By doing this, they immediately have made the kangaroo a pest. Just the very fact that they belong in Australia is enough reason to guard against their extinction.

There is another angle from which
this subject can be discussed. Sheep generally graze in a four mile radius around a water hole and do not go out much farther. In wet years, the sheep can penetrate further, but tend to prefer the ephemeral vegetation that grows profusely in the trampled and well manured ground around the waters. Thus on many stations, some land does not get grazed at all. If, however, kangaroo grazing was taken up, more of this vegetation would be of use, and the kangaroo would eat that which sheep would not touch, allowing more animals to be carried. This proposition may sound rather theoretical, and it certainly would be difficult to start such a project. The kangaroos would have to be domesticated to a certain extent, and desirable characteristics bred into them.

Many people say "roo meat tastes lousy," but most who say this, have never tasted it anyway, and are prejudiced because it is sold as pet meat. There are also those who like it. With breeding however, surely the desirable "prime joey" could be produced. The fur and hide could be met without fear of eliminating the species, and the dog would get his share.

This plan would have to allow some 'roos to be left in their natural environment.

With the increasing population in the world, this could be the answer.

## Heard in the Second Year Barber Shop

- It was decided that each Second year student should place a penny in the "kitty" for every swear word used. The scheme was later abandoned, as statistical calculations showed that the mint would have to be relocated at R.A.C.

The final decision was to revise the dictionary.
(2) A bottle depot is to be built in Home III. A deposit of one penny per
bottle will all bottles. the College on the prof

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## Call Uf

Our beams their scents They fortify our weak
Our blades edges keen The flags we striped red,
bottle will be paid back on return of all bottles. One student, after a tour of the College found that he could retire on the profits he made.

- The cockroaches in the kitchen are using the mice as pack-horses to cart away the choice pieces of College food for their own consumption.

It's quite probable then, that what I saw in my dessert wasn't a current after all. Some of the other students are beginning to wonder about the prunes as well.

- The new shearing shed is to be converted into a dance hall. Dancing will begin after tea on Friday and continue until midnight, Sunday. Mr. Hooper was heard to say, "Don't make too much noise you jokers!"
- Mr. Chartier has decided that at the present rate of culling mastitis cows, students would soon be able to sleep in instead of getting up in the morning for milking. After this decision, students vowed to drink milk forever.
- There has been a new fire rule in the Mudla Wirra district. It reads, "All arsonists must inform the Mudla Wirra E.F.S. one half hour before the fire is started to enable the unit to get there before the fire has died out. This rule was decided on as students did not consider it worth getting up at night for a call, as the "Old Girl" never makes it anyway.
- The college had a record income during 1964-65 season and much of this is attributed to the "Bob a Dob by Bob" Campaign or as the Treasury officially know it, the C-red-it squeeze.


## Call Up

Our beams are made of English oak, their scents have fine tradition;
They fortify our charming home, console our weak position.
Our blades are all of British steel with edges keen and true;
The flags we fly on days prescribed are striped red, white and blue.
"There'll always be an England!" so we wave its bright regalia . . .
There'll always be an England - will there always be Australia?
Confounding sense we lean upon an isle with customs queer.
(They wield umbrellas in the sun, they drink warm bloody beer).
Across the sea the Asian homes are laced to bamboo struts.
They need no oak protection; soon they'll leave their flimsy huts.
For a new home is awaiting when their gates develop failure.
And they irrigate the empty land at present called Australia.

## Keep an eye on your change

Scarcity of coins has been a subject very much in interest lately due to a rise in the popularity of numiomatics. When discussing this point it must be remembered that condition of the coin is very important; a rare coin in poor condition will not be as valuable as a less rare coin in uncirculated condition. Taking this into account the rarer Australian coins are:-
Two Shillings-1934-5 Melbourne Centenary, 1932, 1914, 1915, 1910.
One Shilling-1921, 1915, 1911, 1912, 1913.

Sixpence-1911, 1912, 1914, 1918, 1919, 1920.
Threepence-1915, 1942 (Melbourne Mint), 1915, 1911, 1912.
One Penny-1930, 1940, 1914, 1925, 1915.

Halfpenny-1923, 1939 (with Kangaroo reverse), 1915, 1918, 1924.
Five Shillings-1938.
In addition to scarce dates, there are varieties which are difficult to obtain. There are many types of varieties found in Australian coinage; for example, overdates, different lettering, spacing and position of dates, etc. The Australian coinage has a relatively high number of varieties in relation to other countries.

With the introduction of decimal currency in February next year, the present-
day coinage will gradually be taken out of circulation and melted down. With this many scarce coins will be lost and the value of rarer coins and coins in good condition will increase as the interest in coin collecting increases, not only in Australia, but also overseas.

Decimal currency will end one era of Australian Commonwealth Coinage, but start another, to the benefit of Australia.

Kevin T. Keain.

## Darwin's Doubts <br> (Condensed)

Fundamental to the theory of evolution, as expressed in the language of Charles Darwin, is: "The preservation of favourable individual differences and variations, and the destruction of these which are injurious I have called Natural Selection, or the Survival of the Fittest." ("Origin of Species," page 58.) Yet he doubts his own hypothesis and states a contrary view: "If we consider the whole universe, the mind refuses to look at it as the outcome of chance." He demolishes in a single sentence the whole basis of evolution, for in his view evolution is the outcome of chance.

Let us pause a moment over the structure of the human eye, of which Darwin has much to say. The retina is one of the most exquisitely delicate parts of the human body. It is only one hundred and twentieth of an inch in thickness, yet within this compass no less than ten distinct layers may be discovered, the outermost layer containing from eight to ten million cell-like rods and cones, keyed to the pitch of the vibrations of light. This complex musical instrument, compassing an octave of light, vibrates at some hundreds of trillions of vibrations per second, and exhibits all the colours of the rainbow in the musical scale of light.

Is this marvellous instrument the outcome of chance? Let us take Darwin's own estimate of the human eye. He
says: "To suppose that the human eye with all its inimitable contrivances for adjusting the focus of different distances, for admitting different amounts of light, and for the correction of spherical and chromatic aberration, could have been formed by natural selection, seems, I frankly confess, absurd in the highest degree." He also states, "The belief that an organ as perfect as the eye could have been formed by natural selection, is more than enough to stagger anyone." He appears to be greatly perplexed over these doubts and admissions. He further reverts to the theory, saying: "The difficulty of believing that a perfect and complex eye could be formed by natural selection, though insuperable to the imagination should not be considered as subversive of the theory." If it is insuperable to the imagination, how else should he consider it but subversive of the theory?

On this point he says: "It is indispensable that reason should conquer the imagination; but I have felt the difficulty far too keenly to be surprised at others hesitating to extend the principle of natural slection to so startling a length."

He who rejects a Designer or First Cause in Creation makes a strange admission, although he afterwards regretted using the theological term "Creator." He remarked of the eye, that as a living optical instrument "it is superior to one of glass as the works of the Creator are to those of man." ("Origin of Species," 5th Ed., P. 226). On the development of man Darwin says, "When we descend to details, we can prove that not one species had changed."

As an old man Charles Darwin confessed that he tossed his innature convictions and half-formed ideas to a world that eagerly embraced them.

Professor Huxley declared that evolution is "not proved and not provable." How unaccountably strange is the fact that evolution is taught in our schools

There are rumours flying that-
Mr. Norton has a Beatle cut.
Mr. Parry now sits elsewhere.
Mr. Quick travels for Rothmans.
and college of proof to
Dr. Willi cannot see species cam our faith in we have n origin of sp

Thus the falls from it is based place. As a scientist president of know nothir except what that God anything m know anybe

## River

While everyone fo in seeing below.

A sandh tracks.

24 tons a figment of "Packing talent.

Despite let his plaits Stale bee doing a Ph .

It's Tolle
Some car
Almonds
Piercy n goat.

Clements
Stacy is f . Clancy p just an 'outMr. Gur a moving b

He who d
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We all wa
and colleges when there is not a shred of proof to support it!

Dr. William Bateson declared, "We cannot see how the differentiation of species came about. Meanwhile though our faith in evolution stands unshaken, we have no acceptable account of the origin of species."

Thus the whole structure of evolution falls from the very foundation on which it is based, with nothing to take its place. As Sir J. W. Dawson, himself a scientist and geologist, and former president of McGill University, says, "I know nothing about the origin of man except what I am told in the Scripturethat God created him. I do not know anything more than that, and I do not know anybody who does."

## River Tour

While on the river tour recently, everyone found that proof of a fact is in seeing it first hand. Some are listed below.

A sandhill can be stopped in its tracks.

24 tons of peaches per acre is not a figment of Pfeiler's imagination.
"Packing" sheds means packed with talent.

Despite a crew cut Mr. Norton can let his plaits down.

Stale beer attracts insects. Dags is doing a Ph.D. on uses of fresh beer.

It's Tolley's for citrus.
Some carrots are edible.
Almonds are the only crop.
Piercy needs assistance to milk a goat.

Clements can row without oars.
Stacy is fascinated by Hindu love nuts.
Clancy proved that an 'in house' is just an 'out-house' with the door locked.

Mr. Gursansky has deadly aim from a moving bus.

He who drinks, gets drunk.
He who gets drunk, sleeps.
He who sleeps, does not sin.
He who does not sin goes to heaven.
We all want to go to heaven!

## Letters

## to the Editor

## Dear Sir,

On our arrival at the College, we found to our disgust that to prove our capability of driving a vehicle, we had to be the holder of a current driving licence. Being informed we were to have our " $A$ " class licence test, we all expected to receive these within a few weeks of settling down. It seems, however, that this piece of paper is part of the R.D.A. and is presented after thorough testing at the end of one's three year stay at the College.

Every now and then a certain member of the staff would set off a "maybe," but in this he is a procrastinator of the first order. There seems to be some speculation as to whether it will be necessary to conduct a special three weeks course at the end of the three years R.D.A. to complete testing for the licence.

However, as the only driving one gets around here is the Dairy Chariot or driving a tractor for a Hay Ride on visiting days, we may not need an "A" licence before leaving.

In conclusion, Sir, I would like to suggest that if an "A" class licence is necessary let's get on with it before we are too old to enjoy it.

Yours sincerely, Inmate Cell A.
Ed.-You are going to be too old to enjoy a marriage licence when you get out Babidge, why worry about a driver's licence?

Dear Sir,
A recent event at the College-viz. the arrival of a new secretary-has pressed a point for the Board to consider. One thing the College has missed out on since the University undergraduates stopped coming here for a year has been a supply of "birds." In actual fact, sir, I am suggesting that Roseworthy should become co-educational. It would, no doubt, be of great help and benefit to Mr. Chartier who could put them to good use as milkmaids, Mr. Stephen could use them to soothe his vultures and their very presence in the workshops would stop

Ron working at all. 'For the Students, one's "study period" could be gainfully spent, a long weekend would not necessarily be so long and there would be no need to field only one tennis team. Also the College Chapel would probably get used more often which would save "the Boss" the trouble of going around the Senior Block on Sunday morning.

Therefore it can be seen that coeducation is a must in these days of equality between the sexes. I hope these few words reach the right eyes.

Yours hopefully,
Densley Fuller.
P.S. Please be quick!

Ed.-This shows an "honest desire" for co-education.

## Dear Sir,

I have one complaint about the River Trip-there are no birds up there! I have one complaint about the Show -_the Brewery has messed up the Cattleman's!

I have one complaint about R.A.C.There are no birds OR beer there.

So therefore there is only one solution. Hold the Royal Show on the River in a new College.

> Mick Freeman.

Ed.-A good thought! Up there we could also hold your head under.

Dear Sir,
The college oval was once a spectacle in summer, but of late, an attempt at water restrictions has caused havoc with its appearance. This also applies to the college surrounds generally. Surely if we have lawns and gardens they are


Take the . . . . . .ers quietly
worth keeping in a reasonable state of growth. Perhaps a more practical outlook to restrictions and a planned distribution of water, coupled with an organised system of fertilizer application would improve the general appearance. A replanning of the landscape around the main college area is long overdue also, to make the best use of the water to be applied.

After all "you can't make a silk purse out of a sows ear."

Ed.-Nonsense! Look at some of the graduates this College has turned out.

## Hort Trip, 1965

(By "Hortis Abortus")
I hate a river country
A land with tiled drains, With blocks of Cheleston almonds and countless vineyard plains. I hate its Monsoon sprinklers
That look like alien spears
And glitter in the sunshine As they drown the Bartlett pears.
I hate the citrus nurseries
Where microbudding's done;
I hate the Coop packing sheds
(Although the girls are fun).
I hate the endless reams of notes
That we were forced to take
And transfer to our diaries
Just for posterity's sake.
I hate the third a tin of fruit
And third of camp pie too-
The college chouder tasted sweet When we got back, its true, I loved the dirty songs we sang When spirits were depressed. I loved the poem that Clancy wrote (The thoughts that he expressed).
And looking back, I s'pose Id say
I really must confess,
I'd do it all again today
With Rat and Guri guests.

## R.O.C.

This is th Roseworthy and it is wit that the as progress.

The Ire shortly, will Association

Members by compar i those report

Life Men
Honor
Associate
Ordinary
Total 785
It is with death of th the past ye
S. A. $\mathbb{R u}$
J. L. WiI
F. F. Bead
L. H. W
C. G. Say
D. Fulton
G. R. No
J. R. Goo
J. N. Rat
L. A. $\mathrm{O}_{\mathrm{F}}$

I am sur sympathy tc our departed
(The Cc notification bens).

The Eyre Sub-Branch year. The held theirs ton has bear tee-this on hoped that be forward bers are activities.

On the o Sub-Branch their annual 27th Feb

## R.O.C.A. Annual Report 1965

This is the 67th Annual Report of the Roseworthy Old Collegeans Association and it is with pleasure that I can report that the association affairs continue to progress.

The Treasurer's report, to follow shortly, will show that, financially, this Association is in a sound position.

Membership has risen, this is shown by comparing this year's figures with those reported last year (in parenthesis).

Life Members 600 (581), including Honorary Life Members 8 (8) and
Associated Life Members 5 (7)
Ordinary Members 185 (170)
Total 785 (760).
It is with deep regret we record the death of the following members during the past year-
S. A. Rudduck, 1921-4
J. L. Williams, 1918-21
F. F. Beard, 1910-13
L. H. Wright, 1905
C. G. Savage, 1902-5.
D. Fulton, 1902-3.
G. R. Rogers, 1923-26.
J. R. Goode, 1934-5
J. N. Ranford, 1919-22
L. A. Oppatt, 1928-32.

I am sure you will join with me in sympathy to the relatives and friends of our departed members.
(The Committee would appreciate notification of the deaths of other members).

The Eyre Peninsula and South-eastern Sub-Branches held reunions during the year. The South Eastern Sub-Branch held theirs last December but no information has been forwarded to the Commit-tee-this oversight is regretted and it is hoped that reports of future activities will be forwarded as other R.O.C.A. members are interested in Sub-Branch activities.

On the other hand the Eyre Peninsula Sub-Branch is making solid progress and their annual re-union was at Cowell on 27th February, this was reported at
length in the May Digest.
The Upper Murray Group remains in recess but recent reports indicates that it is likely to become active again.

The R.O.C.A. Award of Merit has been made to Mr. F. B. Pearson whose knowledge and skill as an Agricultural Adviser is worthy of this recognition. I heartily congratulate Mr. Pearson.

This year R.O.C.A. digest continues to become a stronger link in Association Affairs.

Ross Ford has ably continued as Editor and Chairman of the Digest Management Committee. This Committee now comprises Messrs. R. S. Ford, F. B. Pearson, W. S. Edge, R. S. Norton and J. Ryan, who are to be complimented on their efforts with the Digest which has been published four times this year. The cost of the Digest has risen this year.

On the other hand the "Student" magazine was published without cost to the association. We congratulate Ray Norton, the Manager, and the members of the Student Magazine Committee for their successful efforts in making their publication self supporting.

As you know a strong association is based on a strong and active membership. In an effort to re-introduce Old Collegians who were not members of R.O.C.A., to our association it was decided to send to these people free copies of the Digest. To do this a request was made for names and addresses of people who could become members of R.O.C.A. The response was poor, but it is not yet too late for you to notify the Committee. This suggestion was put forward by a member who backed his faith in Old Students by making a donation of $£ 10$ to R.O.C.A. Digest Fund to cover the cost of sending out a considerable number of Digests.

Following the adoption of new rules governing the Roseworthy Old Collegians Scholarship at the last A.G.M., no applications have been received this year for

## THF WORLD'S BEST FROM...

> NEWBOLD

POLL DORSET FLOCK No. 1
POLL SHORTHORN CATTLE


This is NEWBOLD HERCULES II (Shorn) at 15 months of age. He was Champion Poll Dorset Ram at Sydney and subsequently sold at auction for 1,000 guineas.

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## Finest

## Range of

## Agricultural \&

## Fruit Grading

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Victoria St., Mile End - 574141
 450 TORRENS ROAD, WOODVILLE, S.A.

## The: for FO <br> The arms Aust tractors matchec comes from <br> COUNTY

Offer Ford or 95 h. dependabilit advantages drive,
Australia-w

## TR MAR

Australia's tractor valu complete. tralia alone are in use b Dept., in ag industry. provides de ging power mum tractic

Remember and for full demonstratï and advice contact
the
tractor specialis

## These are the names to remember for best value in power farming

## FORD

The Ford work force farms Australia, and the full range of Ford tractors and powermatched equipment comes from Moore's.

## COUNTY SUPER 4\&6

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## TRACK MARSHALL

Australia's best crawler tractor value at $£ 3,950$ complete. In South Australia alone well over 100 are in use by Government Dept., in agriculture and industry. Track Marshall provides dependable lugging power where maximum traction is a must.
Remember these names and for full information, demonstrations and advice contact

the tractor specialists

assistance from the Association.
The Committee, after due consideration, has found that an Old Scholars tie is impractical.

I regret that I was unable to attend either of the Sub-Branch reunions-but several members of the Committee attended the Eyre Peninsula function. I was able to attend the College Speech Day.

On behalf of Committee I wish to thank the Committee members' wives who made their homes available for meetings as well as providing excellent suppers.

The successful administration of any association requires continued effort by the Committee, this would not be possible without the whole hearted co-operation and assistance of the members. I wish to thank all members for the time and effort they have put into R.O.C.A. affairs -particular mention must be made of the additional responsibilities falling on those members who live at Roseworthy College
-these Committee members do the bulk of the work.

Finally, I wish the Association and its members a progressive and successful future.
S. P. ROE,

President.

# Drink well.. drink Stonyfell 

H. M. Martin \& Sons Pty. Ltd. Burnside, South Australia



## Introducing the President

Our President for 1965 is William Seebo Edge, R.D.A., "Bill" to everyone; and a most likeable, quietly spoken person who with little fuss has been a staunch supporter of ROCA for many years.

Born in November, 1913, Bill was educated at Unley High School, Teachers' College and University where he did not complete a Science Course, but "went bush" into the West Darling area. He enlisted at Broken Hill in 1940 and served five years in the S.W. Pacific area as Navigator and Bombing Leader with rank of Flight Lieutenant.

In 1946 Bill entered Roseworthy, where he closely followed the record of our previous president. Dux of First Year, second in Second Year (by two marks) and Dux of Third Year, collecting numerous prizes on the way. While at College, he was on the Students' Representative Council and was Editor of an illustrious publication "The Student."

Not long at Waite Institute after graduation, Bill was Senior Lecturer at Kingfield Rural Training Centre for two years until it closed in mid-1951.

Some time in his career, Bill became interested in Gemology and with no previous knowledge and in typical "Edge" style, gained the Australian Prize for top marks out of 79 entrants. He followed this by doing the British Diploma Course, gaining once more, a Pass with Distinction.

Our new president has already put forward some of his ideas with which he hopes to make the Association more vital. We look forward with interest to his term of office.

## Notable Old Collegian



Lieut. Colonel David Fulton, C.M.G., C.B.E., R.D.A.

Born: 1st August, 1882.
Died: 8th July, 1965.
David Fulton began his early education at Queens College, Hahndorf College and on the death of his father, Merchishon Castle School in Scotland. His subsequent education at Edinburgh University was interrupted by his mother's death, when he returned to South Australia. It was at this age, 19 years, that he commenced studies at Roseworthy in 1902.

A keen and able horseman and an officer in the Light Horse Militia, he was appointed Major S.I.C. of the 3rd Light Horse at the outbreak of World War I. On the death of Lieut.-Colonel Rowell during the Gallipoli Campaign, David Fulton was given command of the regiment, was wounded, and evacuated. He rejoined his Regiment in the desert and was eventually appointed Commandant A.I.F. Headquarters in Egypt.

After the war he was a member of the Imperial War Graves Commission, with special interests in Egypt and Palestine, where he also had an interest in an orange grove at Bir Salem.

In 1922 he returned to South Australia where he became interested in rural activities with properties south of Adelaide, and in the Upper South East. In 1924 he founded "Woodley Wines" at Glen Osmond.

David Fulton Jnr. attended Roseworthy from 1926-1929 but lost his life a month after leaving College in a road accident. A drinking fountain to his memory is installed at the swimming pool where he spent much of his spare time.

Always interested in Roseworthy College, Colonel Fulton was on the committee of the Old Collegians Association for many years. For his services he was made an Honorary Life Member. With one of those unfathomable twists of fate, he was killed in his 83 rd year while crossing a road.

All who knew him have lost a good friend. Our Association is one "old stalwart" less and very much the poorer for his passing.

## Mem

The follo by the staff with the sec realized ma others may nobody is inaccuracies retary so th rected. For practiced as

These ar pletely and cancelled in found.

CATT, Kenneth
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ARNOLD, E ARNOLD,' Joht Dairies, Toocz ARMYTAGE ton, Victoria ASHENDEN, worthy BadMAN, Romem BAGOT, George BAILEY, Lazte BAILEY, Perci BAKER, Rober baldwin, Agriculture: BALLANTYNE Officer, Taem BANYER, Robe culture, Adelai

## Membershìp Roll, September 1965

The following list has been compiled by the staff of the college in collaboration with the secretary of the Association. It is realized many may be incorrect while others may be partly incorrect. We hope nobody is embarrassed because of these inaccuracies and appeal to notify the secretary so that the records can be corrected. For economy, brevity has been practiced as much as possible.

These are some we have lost completely and whose membership will be cancelled in June, 1966, if they are not found.

CATT, Kenneth Clifford, 1914-17.
CHINNICK, Murray Frederick, 1942-45.
FAIRBROTHER, George Edward, 1919-21.
GREGORY, Roger Grant, 1952-54.
HAWKE, William Ernest, 1891.
HODGE, Lloyd Merryn, 1901-04.
KITTO, Darcy Vivian, 1922-23.
MARTIN, Graeme John, 1956-59.
McGILLIVRAY, Nigel Rutherford, 1935-38.
McKENZIE, Ian James, 1961-64.
MONGER, Peter Anderson, 1953-56.
PEARSE, Selwyn Frank, 1940-41
PENNELLS, John Britton, 1953-56
PHILLIPS, Frank Livesley, 1909-11.
SHAND, Frederick, H., 1904-07.
WARREN, Arnold Lofton, 1915-19.
ABELL, Max R., 1923-24-Woolclassing Instructor,
School of Technology.
ADAMS, H. D. M., 1898-1901-Retired, Prospect.
ADDERLY, Derrick N., 1962-65-Department of ADDICulture, Adelaide.
AFFORD, Howard D. J., 1951-54-Property, Milang. AFFORD, Howard D., 1934-37-Martindale, Mintaro AGNE
AGNEW, Norman W., 1948-51-Property, Curramulka, S.A.

ALCOCK, Alick E. A., 1933-36-Sandfords Dairy Industries, Adelaide.
ALCOCK, Ernest S., 1901-04-Retired, Mt. Gambier. ALCOCK, C. R., 1939-42-Weeds Officer, West Coast. ALDRIDGE, James William, 1904-07-Retired,
Brighton.
Brighton.
ANDERSON, Rex A., 1949-52-Manager, Pitlochry
Station, Kingston, S.E.
ANGOVE, Peter Cle.
culture, Adelaide. ANGOVE Adelaide.
tor, Ang, Thomas, W. C., 1936-40-Managing Director, Angoves Pty. Ltd., Renmark.
Renmark.
ARNOLD, E. A., 1931-34-Farming Steelton S.
ARNOLD, John M., 1939-45-48-British United Dairies, Toora, Victoria.
ARMYTAGE, Norman C., 1945-48-Property, Caster-
ASHENDEN, William G., 1943-46-Farming, Roseworthy.
BADMAN, Ronald H., 1929-31—Property, Frances.
BAGOT, George E., 1914-16-Penrith, N.S.W. (?).
BAILEY, Lawrence, 1934-Property, Lucindale.
BAILEY, Percy J., 1898-1901-Property Naracoorte.
BAKER, Robert J., 1940-43-Oenologist, R.A.C.
BALDWIN, Grantly B., 1953-56-Department of Agriculture, Adelaide.
BALLANTYNE, Guy P., 1955-58-A.B.C. Rural Officer, Tasmania. (?).
BANKS, Garnett J., 1958-59-Farming, Kingston, S.A.
BANYER, Robert J., 1952-55-Department of Agriculture, Adelaide.

BARRAUD, Murray A. T., 1922-23-Property, Lipson, S.A.

BARRETT, Anthony, 1956-59-Station Manager, Edger,
N.S.W. N.S.W.

BARRITT, Robert F., 1939-40-Property, Moculta, S.A. BARRY, Brian J., 1945-49-Winemaker, Berri Co-op. Winery.
BARRY, J. B., 1945-47-Manager, Clarevale, Clare. BARRY', Kevin J., 1950-53-Lands Dept., Adelaide. BARRY', Maurice A., 1951-54-Lands Dept., Loxton. BARTHOLOMEAUS, Arthur C., 1942-45-Farming,
Farrell's Flat.
BARTHOLOMEAUS, Robert K., 1944-47-Farming,
Farrell's Flat
BARTHOLOMEAUS, Robert R., 1911-14-Farming,
Farrell's Flat.
BARTHOLOMEW, Thomas A., 1955-57-Cobram
Co-op., Victoria.
BARTLAM, John W. DeL., 1956-59-David Brown
BASCOMB, John, 1934-35-Property, Mt. Wedge, S.A
BASEDOW, J. C., 1942-46-48-Basedow Winery,
Tanunda. (?). C., 1942-46-48-Basedow Winery,
BATTYE, Jeffrey, W., 1957-59-Address, via Victor BATTYE, Jeffrey, W., 1957-59-Address, via Victor
Harbour. (?). Harbour. (?).
BEATON, Malcolm J., 1940-41-Property, Casterton,
Victoria. Victoria.
BEACH, Andrew N., 1956-59-Farming, Buttler Tanks, E.P.

BECK, Robert G., 1936-39-Property, Mil-Lel, S.A.
BECKWITH, Arthur R., 1929-32-Penfolds, Nuriootpa.
BELL, Melville S., 1917-20-Seppelts, Tanunda.
BENZIE, Alfred C., 1931-33-Farming, Aldersyde, W.A.

BESTED, Murray O., 1922-25-Dorowen Wines,
Griffith, N.S.W.
BEVISS, Archibald C. K., 1929-31-Lecturer, Dookie
Agric. College, Victoria.
PIDSTRUB, Brian P., 1937-40-43 Kintore Avenue, Prospect.
BISHOP, Robert J., 1943-46-Teaching, Tasmania.
BLACK, George M., 1900-02-Address, Gladstone.
BLAKE, John Roger, 1944-46-S. Wynn \& Co. Griffith.
BOND, Ian P., 1947-50-Fruit Block, Loxton
BOTTING, Gregory W., 1947-50-Department of Agriculture, Mount Gambier.
BOWDEN, Dennis M., 1960-63. Queensland University.
BOWDEN, Oswald, 1915-18-Retired, Graymore.
BOWDEN, Russell A., 1944-7-8-Department of AgriBOWEN, Kencoth W.
BOWEN, Kenneth W., 1947-50-Department of Agriculture, Jamestown.
BOWERING, Jasper W. R., 1959-62-Farming, Keith.
BOWYER, Norman L., 1941-44-Farming, Owen.
BRANDON, Lindsay H., 1934-37-Lands Department,
Murray Bridge.
BRAY, James H., 1942-45-Department of Agriculture Veterinary Officer.
BREAKER, George A. H., 1946-49-Property, Millicent.
BRECHIN, Peter M., 1960-63-Farming, Two Wells.
BROCK, Frank D., 1953-56-Property, Tintinara.
BROCKSOPP, David J., 1958-61-Fruit Grower, Renmark
BROOKMAN, David N., 1935-38-M.P., Property, Meadows.
BROOKMAN, Nigel P., 1958-40-Property, Meningie.
BROOKS, Nicolas M., 1960-63-Property, Two Wells.
BROWN, Andrew L., 1953-56-Department of Agri-
culture, Adelaide.
BROWN, Evan O., 1906-09-Address, College Park.
BROWN, Cuthbert P., 1928-30-Property, Millicent.
BROWN, Donald W., 1940-43-Property, Alma.
BROWN, Peter M., 1956-59-Rural Bank, Perth, W.A.
BROWN, Ronald M., 1962-65-H. Robinson \& Co.,
Bordertown.
BROWNELL, Peter F., 1941-43-46-Waite Agricultural Research Institute.
BROWNRIGG, Peter W., 1950-53-Department of
Agriculture, Naracoorte. Agriculture, Naracoorte.
BUCKETT, Richard J. S., 1956-59-Farming, Kingston, S.E.

BUCKLEY, Kenneth A., 1955-57-Mount Schank, S.E BULLER, Richard L., 1943-47-Own Winery, Rutherglen.
BUNGEY, Geoffrey S., 1947-50-Sold his property. Looking around.
BURGE, Noel, 1934-38-Wilsford Wines, Lyndoch. BUSSELL, Brian W., 1934-37-Department of Agriculture, Northfield.
BUTLER, Frank O., 1937-39-Property, Naracoorte. BUTLER, Gordon G., 1936-39-Property, Bordertown. N., 1935-38-Deniliquin, N.S.W. versity of Ou, Rex M., 1938-41-Lecturer, Universiaghan Dr .
CALLAGHAN, Dr. Allan R.-Australian Wheat
CAMAC, Murray J., 1926-29-Property, Modbury.
dong via Bichard G., 1962-65-Jackeroo, Quondong Via Burra.
CART, Henry C., 1920-23-Mingenew, W.A
CARTER, William A., 1906-07-Address, Glandore CASHMORE, Alec Brooke, 1924-27-C.S.I.R.O., Mel--
CASHMORE, Victor-1939-40-Property Mt. Gambier. CASTINE, Clement P., 1919-22-Property, Kybybolite. CATT, Hugh Clifford, 1910-13-Deceased.
CAW, Alfred B., 1900-02-Retired, Leabrook
CHAFFEY, William B., 1932-35, 37-39-Edwards \& Chaffey, Winemakers, McLaren Vale.
CHAMBERS, J. H.-Principal, Gawler Adult EducaCHAM Centre
CHAMBERS, William B., 1950-54-Farmer and CHAPMAN, Rutherglen.

1954-57-Department of Agriculture, Adelaide
CHARTIER, Alain H., 1948-50—Roseworthy Agricultural College, Dairy Instructor.
CHEWINGS, James A., 1942-45-Farming, Cummins, CHILLINGW
CHILLINGWORTH, Colin A., 1924-27-Department of Agriculture, Adelaide.
CHINNICK, Murray F., 1942-54-(?)
CHO, Shue N., 1952-55-Department of Agriculture Kuala Lumpur, Malaysia.
CLARK, Leslie J., 1911-14-West Wagin, W.A
Tasmania. Maxwell R., 1942-45-Research Farm, Cressy, CLARKE
CLEGGETT, Edward J., 1905-08-Retired, Kings Park Langhornes Creek COLBY, Beau, 196
Adelaide 1961-64-Department of Agriculture, COLEMAN
CLOTHIER, Maxwell ${ }^{\text {W }}$. ${ }^{\text {1950 }}$ 1920-22--Retired, Crafers COAT, John L., 1950-51-L Ler Property, Geranium COLEMAN L., 1950 - Lator Park, N.S.W.
W.A.

COLEMAN, Walter O., 1932-34-Farming, Casterton, COMLETia. (?).
COMLEX, Ivan F., 1939-40-Nursery at Salisbury CONDON, Brian, 1943-46-Pt. Pirie, Cool Drinks, etc CONWAY, Barry, 1913-15-Retired, Blackwood
COOKE, Richard H., 1958-61-Farming, Clairmont
COOK, Leonard J., 1907-10-Deceased.
COTTON, Montagu C. C., 1934-37-Property, Oberon, COWAN
COWAN, Blair A., 1959-62-Farming, Keith.
COWAN, Leslie T., 1905-07-Property, Baihannah.
COWELL, James H., 1951-54-Property, Kangaroo
COWLEY, Robert W. I., 1933-36-Department of Agriculture, Blackwood
CRAWFORD James R., 1950-53-Property, Lenswood. CRAWFORD, Eric J., 1946-49-Department of Agriculture, Adelaide
CREE, Bruce C ., 1955-56-Property, Clare
Island. Bruce G., 1954-57-Storekeeper, Norfolk
CROME, Geoffrey C., 1962-65-Farm Advisor, Kimba, CR.A.
CROMPTON, John .W., 1905-07-Address, Victor Harbour. Retired, Adelaide (?).
CROMWELL, John V., 1944 -Property, Mypolonga.
CUNNINGHAM, Jamés D., 1954-57-Massey Ferguson, Melbourne.
CUTHBERTSON, James L., 1927-30-Woodend, Vic
DANIEL, Russell R., 1954-57-Teaching, Murray
Bridge.
DAVIDSON, John L., 1945-48-Farming, Mt. Barker

DAVIDSON, Thomas R., 1956-59-Department of DAvoriculture, Harold T., 1953-55-Penfolds Wines Griffith. Harold T., 1953-55-Penfolds Wines, Hallett.
Alan C., 1950-53-Old Canowie Station, DAWES, William L., 1950-53-Property, Wirrega.
DAWKINS, Maynard B., 1933-34-Farming, Gawler DAWKINS, William J., 1900-03—Retired, Prospect
DAY, Henry R., 1939-42-Manager, Research Centre, Parndana.
DAY, Leon J., 1945-Farming, Port Wakefield
DAY, Robert P., 1940-42-Farming Reeves Plains.
DE CAUX, Austin F., 1953-56-Commonwealth DeDE GARIS Bank, Adelaide.
DE GARIS, Kenneth L., 1949-51-Property, Naracoorte.
DIENER, Michael J., 1956-59-Address, Lockleys
DIERCKS, Leslie, D., 1935-38-Lands Board, Adelaide DILLON, Trevor J., 1954-57-Southern Cross Ltd.
DIXON, Malcolm C., 1952-55-Manufacturer, Land DJEVD, Adelaide.
DJEVDET, M., 1954-56-Cyprus (?)
DONALD, Ian M., 1955-58-Dept. of Agric., Minnipa DONALDSON, John G., 1943-46-Property, Strathal byn.
DOWNELLAN, John R., 1954-57-Catherine, N.T. (?) DOWNING, John W., 1943-46-Property, Mundalla. DRANWARD, Richard J., 1956-59-Teaching, Loxton
DrABSCH, Alfred W. R., 1952-55-Farming, Pad
DRIVER, Roy H., 1960-63-Grazier, North Alice
DRIVER, Raymond J., 1959-62-Farming, Kingston.
DUBOIS, Brian M., 1955-58-Address, Unley DUFTY, John H., 195 -50-Address, Unley
, Vn Horton, 1953-56-Department of AgriDUNN,
DUNN, George, W., 1921-23-Address, Grange.
DUNN, Henry P. K., 1953-56-Property, Rudall.
EASTICK, Bruce C., 1944-47-Veterinarian, Gawler,
EASTICK, Geoffrey A., 1951-54-Lands Department Kangaroo Island.
ECKERT, Edmund L., 1946-50-Station property Mildura (?).
EDGE, William S., 1946-49—President R.O.C.A., Aldgate.
ELLIOT, Kenneth A., 1929-30-Teaching
ELLIS, John O., 1947-50-Teaching, St. Peters College. ELLIS, Warren W., 1927-30-Retired, Unley Park.
EMERSON, Allen McA., 1953-56-Commonwealth Development Bank, Renmark
EMERY, Peter J., 1946-49-Coffee Growing, New Guinea
EMERY, Robert E., 1931-33-Grazier, Kingston.
EMMS. Michael R., 1952-55-Farming, Bordertown
EVANS, Bruce B., 1951-54-Station, via Broken Hill. EYRE, J, R., 1962-65-Land Tax Dept., Adelaide.
Swan Hill, Bruce D., 1962-65-Rumsey Seeds, Swan Hill, Victoria.
FAIRBROTHER, Peter D., 1958-61—Department of Agriculture, Mount Gambier.
AWCETT, Robert G., 1945-48-Wheat Research, FEUERHEERDT, Robert M., 1938-41—Teaching, Urrbrae.
FEWSTER, Richard W 1962-65-Journalist, Chronicle FINDLAY, Andrew D., 1957-59-Manager, Quondong Station via Burra.
FINNIS, H. J.-Retired, Kings Park, S.A.
FISHER, George P., 1953-56-Property, Naracoorte. FLETCHER, Grant B., 1952-55-Property, Lewiston. FLETCHER, James H., 1909-12-Retired(?), Joslin, S.A.

FLOWER, Richard T., 1960-61-Teaching, Bordertown. FLYNN, John L., 1953-65-Teachers' College.
FOLLIOTT, Kenneth H. F., 1953-56-New Farm, Brisbane.
FORD, Miles W., 1945-48-Farming, Latrobe, Tas. FORD, Peter W., 1962-65-Touring Australia
FORD, Ross J.,' 1956-59-Roseworthy College, P.B.
FORNACHON, John C. Mc., 1922-25-Australian Wine Research Institute
FORWOOD, James B., 1954-57-Farming, Keith
FOSTER, Henry F., 1959-61-(?)Hobart
OTHERINGHAM, Norman S., 1909-11—Retired, St.
James Park.

FOULDS, Rom Hills (?)
FRENCH,
FREUND, Roll Guinea.
FROMM, Geef FROST, Willia
RY, $\mathbf{R} \mathbf{Z a n} \mathbf{R}$, Victoria.
FRY, Jer
culture,
FULLER, Powit

## GALLASCH,

University
GAMBLE
Gabin, Victoren GEDDES, Char GEORGE Fram GEFP, Thomas GIBBI, Gilemelf
GIBBS, Harry
GIBBS, Kay
GILBERT,
Sydney,
GILBERTSON,
Agriculture, Jaw
GILCHRISI, Joit Adelaide.
GILES,
GILL Las rence
IIL MAN, Mich New Guinew GOLDING, Dami GOODE
GOODE, John GOWn Valley

## GOSSE.

GOSSE LULTER,
GRAHA a
GRgiculture, GRANSBURY
Departmen GREpartment, Mir culture, Adellaside GREENFIELD, West Coast. GREGORY, GREGORY, Grainit of Agriculture: GRIEVE, Aitchiso Agriculture Fincile GUERIN, Paul D GUERIN, Piccadilly GUERI GUWN.
UUNAND, Johm 1 Roseworthy, GWYNNORE, Ed HABEL, John D HACK Warn. HACKETT, Walter HAGERSTROM, $R$ HAGLEY, Robert HAINES Vale Agricultural Hig
HALL, Arthur $\mathbf{C}$

FOULDS, Ronald S., 1950-53-Shifting to the Adelaide FRENCH, Reginald J., 1942-45-Department of Agriculture, Adelaide. Soils.
FREUND, Roland P., 1956-59-Mission Station, New FROMMM, Geoffrey Paul, 1956-59-C.S.I.R.O., Darwin. FROST, William M. P., 1954-57-Chile, for Dalgety \& N.Z. Loan. Stock., (?). \&RY, Ian R. Loan. Stock. (?).
FRY, Ian R., 1952-55-May \& Baker Ltd., Melbourne,
Victoria. FRY Jere
FRY, Jeremy S., 1937-40-Property, Frances.
FUGE, Raymond B., 1950-53-Department of Agriculture, Poultry.
FULLER, Basil, 1912-14-(?) King's Cross, N.S.W.
FUSS, Glen H., 1948-51-Address, Blair Athol.
FUSS, John C., 1956-59-Property, Tintinara.
GALLASCH, Peter T., 1961-64-Student, Adelaide
University, Per 1961-64-Student, Adelaide
GAMBLE, Roger M. A., 1961-64-Property, Colbin-
GARRETT Fred
GEDDES , Frederick N., 1939-42-Glossop.
GED EES, Charles O., 1926-29-Clare.
Bordertown. $\quad$., 1962-65-H. Robinson \& Co.,
GEORGE, Frank, 1913-15-A.W.A. Member.
GEPP, Thomas L. W., 1936-39-E. W. \& S. Department, Glenelg.
GIBBISON, Edward C., 1947-50-Property, Kalangadoo.
GIBBS, Harry C., 1930-33-Port Lincoln.
GIBBS, Kay B.,' 1952-55-Farming, Kangaroo Island. GILBERT, F. W.-Retired, Kingswood.
GILBERT, Arthur G. W., 1931-32-Motor Industry, Sydney.
GILBERTSON, Neville J., 1956-59-Department of Agriculture, Jamestown.
GILCHRIST, John W., 1933-36-Department of Lands,
GILES, Geoffrey O'H., 1946-49-Member of Parliament.
GILL, Lawrence R., 1956-59_Farming, Willaston.
GILLMAN, Michael H., 1957-59-Farming, Oakbank. GLIDDON, William B., 1958-61-Extension Officer,
GOLDING, Donald A. R., 1953-56-Teaching, Lucindale.
GOODE, John W., 1955-58-Farming, Parrakie
GORDON, Douglas W., 1949-52-Property, Williams-
town. town.
GORE, John M., 1948-51-Dairy Farming, Inman Valley.
GOSSE, Hamish A., 1960-63-Property, Mintaro
GOULTER, Wally (Housemaster)-Audit Department, Lives at Eden Hills.
GRAHAM, Barry J. T., 1950-53-Department of Agriculture, Adelaide.
GRANSBURY, Basil W., 1940-43-Property, Keith.
GRATTON, Peter R., 1955-58-Aboriginal Welfar Department, Musgrave Park.
Gepartment, Musgrave Park.
GREEN, Thomas W., 1962-65-Department of Agriculture, Adelaide.
GREENFIELD, Christopher M., 1959-62-Farming,
West Coast. West Coast.
GREGORY
GREGORY, John L., 1942-43-Property, Renmark.
GREGORY, Graham R., 1955-56-N.S.W. Department of Agriculture.
GRIEVE, Aitchison, 1956-59-Farming, Naracoorte.
GRIEVE, Alexander C., 1917-20-Farming, Naracoorte
GROSS, Frederick C. C., 1924-27-Department of Agriculture, Adelaide.
GUERIN, Paul D., 1948-51-Officer in Charge, Wanbi
GUERIN, Tom, 1947-50-Poultry Processor (?),
Piccadilly.
GUERIN, Lawrence R., 1947-50-Farming, Solomontown.
GUINAND, John M., 1921-23-Retired, Morphett Vale. GURSANSKY, John A., 1952-55-Horticulturalist, Roseworthy College.
GWYNNE, Edward C., 1900-03-Retired, St. Peters.
HABEL, John D., 1937-40-Department of Agriculture, Port Lincoln.
HACK, Warwick R., 1960-63-Farming, Naracoorte
HACKETT, Walter M. C., 1933-38-Tarac, Angaston. HAGERSTROM, Robert C., 1953-56-Department of Agriculture, Mount Gambier.
HAGLEY, Robert E., 1931-34-Hardy's : Wines, McLaren Vale.
HAINES, Colin E., 1938-39-Headmaster, Urrbrae Agricultural High School.
HALL, Arthur C., 1906-07-Address, Tea Tree Gully.

HALL, Bruce G., 1948-51-Department of Agriculture, Jamestown.
HALL, Darryl J., 1959-61—Address, Waikerie
HALL, Roxby J., 1956-59——Teaching at Nuriootpa.
HAMDORF, Phillip N., 1951-54-Farming, Parrakie
HANCKEL, Norman P., 1946-49—Production Manager S. Smith \& Sons, Angaston.

HANCOCK, C. R., 1958-61-Penfolds, Magill
HANNAFORD, Brian D., 1954-56-Department of
Agriculture, Adelaide.
HANNAFORD, Vivian G., 1953-56-School of Dairy HARDY Werribee.
HARDY, David J., 1944-48_McLaren Vale.
HARDY, John S., 1959-62-With Stud Beef in Chile.
HARDY, Robert G., 1949-53-Hardys Wines, Adelaide.
HARRIS, Kent D., 1925-28-Property, Coonawarra.
HARRIS, Wilfred J., 1941-42-Address, Monash.
HARRISON, Denis H., 1940-42-46-47-Commonwealth Development Bank, Hobart.
HARVEY, Richard G.-Property, Narrung.
HARWOOD, Michael H., 1960-63-Irrigation Department, Barmera.
HASELGROVE, Colin P., 1921-24-Reynells Wines,
Seacliff.
HASELGROVE, Harry R., 1916-19-Mildara Wines,
St. Georges.
HANISCH, Arthur T., 1938-40-Winemaker, Tanunda.
HAYES, John E., 1958-61-Research Centre, Darwin.
HAYMAN, Brian E., 1950-53-Property, Apsley, Vic.
HAYMAN, Kenneth W., 1940-43-Property, Cummins.
HAYWARD, Alan F., 1949-52-Property, Broken Hill District.
HAYWARD, Lawrence T., 1925-28-Department of Agriculture, Adelaide.
HAY, Andrew G., 1929-31-Property, Victor Harbour.
HAY, Ian E., 1959-63-Farming and Contracting, WA
HEATH, William J. B., 1955-57-Department of Agri culture, Samarai, Papua.
HEASLIP, Jeffrey G., 1951-54-Address, Blair Athol.
HEGGIE, James G., 1927-30-Property, Naracoorte.
HEMER, Trevor W., 1955-58-Meggitt's'Ltd., Adelaide.
HEPWORTH, B., 1948-49-With the State Bank.
HERRIOT, Robert I., 1929-30-Principal, Roseworthy
College.
HEYSEN, Christopher S., 1960-63-Agric. Extension, New Guinea.
HEYSEN, Michael, R., 1935-38-Property, Penola.
HICKINBOTHAM, Ian L., 1948-50-Sales Manager (Vic.), Penfolds Wines, Melbourne.
HICKS, Darryl J., 1957-59-Teaching, Eudunda.
HILL, Brian A., 1962-65-Touring Australia.
HILL, Barry J., 1950-54-Bega Milk Co., Canberra.
HILL, Ralph J., 1944-46-Land Agent, Adelaide.
HILL, Rowland, 1909-12-Retired, Adelaide.
HILPERN, Cornelius A., 1952-55-Student in England.
HINCKS, Allan E., 1958-61-Department of Agriculture, Jamestown.
HINCKS, Geoffrey S., 1955-59—Farming, W.A.
HOILE, John D., 1909-12-Mosman Park, W.A.
HIRST, Robert G., 1949-52-Property, Keith.
HOCKING, Bruce W. L., 1909-Retired, Colonel Light Gardens.
HODGE, Robert J. R., 1958-61-Department of AgriHOGG, E Kybibolite.
MOGG, E. S., 1962-65-Department of Agriculture, MOLDER Kambier.
HOLDER, Keith K., 1962-65-Department of Agriculture, Cleve.
HOLDEN, Kenneth J., 1956-59-Department of Agriculture, Minnipa.
HOLE, Henry J. M., 1956-59_Property, Naracoorte.
HOLMAN, Ian M., 1961-64-Farming, West Coast. HONEY, Harry M. W., 1930-33-Address, Mount Gambier.
HONNER, Augustus T., 1922-24-Station via Renmark. HOOD, John, 1960-63-Farming, Tasmania.
HOOPER, Arthur T., 1923-26-Department of Agriculture, Adelaide.
HOOPER, Clifford W., 1925-28-Lecturer and O.C. Sheep and Beef, Roseworthy College.

VOPER, Frederick H., 1930-33-Address, Ballarat,
HORNE, Robert L. K., 1929-30, 1932-33-Farming, HORWby Bay.
HORWOOD, Kenneth MacB., 1921-23-Executor HOSKING, Gavin McK Adelaide.
HOSKING, Gavin McK., 1956-59-Property, Mount HOSKYNS, Max, 1956-59-Department of Agriculture N.S.W

HUBBLE, Ernest G., 1899-1902-Retired, Adelaide.
HUBBLE, George D., 1930-32-Retired, Kingswood.

HUGHES, Harold T., 1938-39-Property, Prospect Hill HUTCHINS, David N. Maa, 1960-63-Developmen Bank, Adelaide

1920-Property Elliston
HUMBLE, Alfred E., 1937-40-Veterinary Officer Alice Springs (?).
HUMPHRIES, Donald A., 1926-29-Property, Gladstone.
HUNTER, Malcolm, 1908-11—Address, Prospect
HUTTON, John L., 1936-39-Manager, Cheese Factory, Glencoe West.
HUTTON. Edward M., 1930-32-C.S.I.R.O. Brisbane. INGLIS, Ian R., 1953-56-Armadale University, N.S.W
INGLIS, Peter F., 1954-55-Property, Blyth, S.A
INGLIS, William G., 1934-35-Address, Marryatville
IRELAND, Douglas W., 1947-51-McWilliams Wines,
Griffiths.
IRWIN, Charles F. P.. 1937-40-Veterinary Surgeon, Adelaide.
JACOBS, Lawrence T., 1933-35-Forrester, Comaum JAMES, Lester F.. 1939-42-Property, Second Valley JAMES, W. Jack H., 1916-20-Retired, Hyde Park.
JEFFERIES, Brian CB., 1947-50-Department of Agriculture, Tasmania.
JEFFERY, Robert W., 1956-59-Farming, Mundalla. JENKE, Robert, 1962-65-Winemaker, Renmark.
JENKIN. Walter W., 1960-62-Property, Mt. Gambier JENKINS, George 'S., 1933-36-Property, Myponga JENKINS, James B., 1950-54-Winemaker, Hamiltons Wines.
JOHN, Ian D., 1948-51-Address, North Walkerville. JOHNSTON, Älexander A., 1952-57-Family property and winery, McLaren Vale.
JOHNSTON, Barry, 1949-52-Department of Agriculture. Stock and Fisheries, Papua, N.G.
JONES, Ralph H., 1931-34-Exp. Station, O'Halloran ONE
ONES, Ian E. B., 1955-58-74 Hill Street, North Adelaide.
ONES, Innes L., 1930-31-Property, Red Hill
ONES, Whitlock, 1895-97-Retired, Second Valley,
ONES, John J., 1936-39-Teaching, Port Lincoln.
JONES, Malcolm W., 1932-35-Dairy Farming, Inman
Valley. Trevor D., 1960-63-Extension Officer, New Guinea.
UDE Norman L., 1924-26-Member of Parliament. KALLIN, John L., 1961-65-Farming, Padthaway.
KAY, Colin H., 1959-63-Wiremaker, Nuriootpa.
KAIN, Kevin K., 1933-36-Teacher, Edwardstown.
KEENAN, David M., 1952-56-Continuing studies in
KELL.W, Joseph A.. 1936-39—Farming, Paskeville.
KIDD, David J., 1950-53-(?)Winery, N.S.W
KILGOUR, Johin C., 1929-32-Emu Wines, Toorak Gardens.
KINGSTON, David J.. 1944-47-Department of Agriculture, Stock and Fisheries, Rabaul, N.G.
KLAU, Leon R., 1956-59-Farming, Auburn
KLOSE, Stanley ${ }^{\prime}$., 1929-32-Department of Agriculture and Stock, Toowoomba, Queensland.
KLUG, Terance G., 1961-64-Jackeroo, Mutooroo Station
KNAPPSTEIN Philip, 1901-03-Retired Clare.
KNAPPSTEIN, Robert O., 1943-47-Penfolds, New Zealand.
KOCH, Frederick R., 1915-16-Farming, Wilkawatt. KOHLER, Philip T. L., 1952-55-C/- Australia House, London.
KONG. Kim C., 1960-64-Malaya.
KRAUSE, Colin M., 1954-57-Teacher, Urrbrae
KRAUSE, Malcolm 'R., 1941-44-Plant' Breeder, Rose-
worthy College. 1956 -59_Property, Delamere
KUCHEL, Rex H., 1935-39-Botanist, State Herbarium of Adelaide.
KUCHEL, Rex H., 1935-59-Botanist, State Herbarium, Adelaide.
LAdelaide. Philip L., 1958-61, 1961-62-Winemaker, Corowa, N.S.W. H 1931-33-Land Agent, Blackwood
LAFFER, James B., 1962-65-Touring Australia.
LAMBELL. James L., 1956-59-Farming, Kimba.
LAMPE, Robert J., 1951-54-Property, Mt. Gambier
LANG, Alan R.,' $1947-51-7$ Little Avenue, North
Geelong.
LAWRENCE, Dennis, 1961-64 Farming, Tasmania.
LAWSON, Keith F., 1947-51-Fertilizer Sales, Border-
LEAKE, Harry W., 1908-10-Kellerberrin, W.A.

LEGG, James H., 1917-18-Address, Mount Barker
LEGOE, John, 1927-30-Property, Kingston, S.E.
LENNARD, John D'A, B., 1960-64-Family Winery
Western Australia
LETHEBY, Phillip R., 1961-64-Department of Agriculture, Adelaide
LEWIS, G., 1895-98-Retired, Nedlands, W.A
LEWIS, Ivan P., 1959-62-Market Gardening, Payneham.
LEWIS, John P., 1912-14-Retired, North Adelaide LINDSAY, Neil, 1960-62-Winemaker, Stonyfell.
LINKLATER, Peter M., 1947-50-University of N.S.W., Lecturer (?).

LLOYDE, Noel W., 1952-53-Property, Bordertown LOCK, Peter G., 1956-59-Farming, Loxton.
LUCEX, Michael McN., 1951-54-Managing Metro
LYKKE, David F. W., 1962-63-Military Service
MAC GILLIVRAY, Älister, 1946-49-Moodie, Ellis Hamilton, Victoria.
MAC GILLIVRAY, William A., 1950-51-Address, Glenunga.
MACK, David B. M., 1939-42-Lands Department Waikerie.
MACK, Kingsley B., 1945-48-Lands Department, Berri MACKENZIE, Stuart A., 1956-59-Machinery Agent Queensland.
MAC KIRDY, James A., 1955-58-Haddon, Rig. Warren. N.S.W.
MACROW, Ian F., 1954-56-Property, Murray Bridge MACROW Frank, 1919-21 Property, Mount Barker MACROW, Ross, 1919-21-Property, Stirling. MACLEOD, Angas N., 1940-41-Address Cudle M.ADDEN, Dennis W., 1956-59-Research Centre Struan, S.A
MAGAREY, Ivan W., 1955-59-Department of Agri culture, Adelaide.
MAIR. Angus F. M., 1922-25-Retired, N.S.W.
MANN, J. L.-Retired, Mitcham.
MANN, Dorham, 1960-62-Winemaker, Department of Agriculture, Perth.
MANN, Lawrence S., 1933-36-Property, Tailem Bend
MARCH, Gerald P., 1944-47-Dairy Farming, Comaum
MARRIE, Murray C. K., 1925-28-Farming, Cummins MARSHALL, Robert Q., 1952-55-Landscape Garden ing for Hodges, Adelaide.
MARTIN, Alan McL., 1922-25-Address, Claremont, Western Australia.
MARTIN, Geoffrey A., 1944-Property, Farrells Flat MARTIN, James C. V., 1910-13-Address, Renmark MASTERMAN, Thornton D., 1952-55-Property Undalya.
MATTHEWS, Clive D., 1943-47-Department of Agri culture, Tasmania
MATZ. Noel R., 1956-59-Department of Agriculture Northfield
MAYFIELD, Grant R., 1952-55-Property, Waitpinga
MAYO, George M. E., 1938-40-Department of Geretics, University of Adelaide.
MC CARTER, Lewis, 1930-32-Teacher, Murray Bridge MC CULLOCH. Dr. R. N.-N.S.W. Department of Agriculture. Lismore

Roderic A., 1960-63-Property, Coonal Myn. South.
MC FARLANE, John H., 1960-61-Property, Whyalla MC GOWN, W. J., 1962-65-Alternating between S.A and Tasmania. In Tasmania (?).
MC HUGH, Gordon O., 1946-49-' Property on Kangaroo Island.
MCKAY, Maxwell J., 1940-43-Farm Management,
Riverton.
MC KECHNIE, Henry C., 1920-23-Lands Department,
Ceduna.
MC LACHLAN, James S., 1946-47-Property, Naracoorte. MC MAHON, Robert M., 1956-58-Dairy Factory Manager, Bega, N.S.W.
MC NALLY, Edward C. 1959-62-Address, Malvern. MC RAE, Ian B., 1961-63-Winemaker, Nuriootpa. MC RAE, Ian B., 1961-63-Winemaker, Nuriootpa. MC TAGGART,
MC WHINNIE, Kenneth, 1947-50-Property on Kangaroo Island.
MEAD, Michael J., 1949-52-District Agric. Station, Lae, N.G.
MEINCK, Hans H., 1954-57-Property, Mt. Gambier. MELLOR, Douglas H. S., 1934-37-Tractors S.A.

MELLOR, Ray N., 1927-30-Farming, Lock.
Ltd., Adelaide.
MERRIGAN, Brian J., 1956-59—Shell Chemicals Rep., Adelaide
MERTIN, Ronald G., 1946-49-Dairy Section, Commonwealth Government, Canberra.
MERTIN, John V.-S.A.F.U.. Adelaide.
MICHAEL, Peter, $1950-D i v . ~ P l a n t ~ I n d u s t r y, ~$ C.S.I.R.O., Canberra.

MICHELMORE, William A., 1937-40-Department of
Agriculture, Nuriootpa.
MILES, Kenneth G., 1948-51-Colonial Sugar Re-
fineries, Fiji.
MILES, Neville S.., 1948-51—Department of Agricul ture, Lautara, Fiji.
MILLER, Brian A. K., 1954-56-Station via Port
MILNE
Hallet. Michael L., 1962-64-Jackeroo, Old Canowie,
MINHARD, Peter F., 1932-35-Farmer, Cummins.
MITTON, Robert L., 1935-38-Veterinary Surgeon,
MITCHELL, Graham F., 1958-61—Student, Veterinary
Science, Sydney. MITCHELL Sydney.
MITCHELL, Napier James, 1962-64-Department of
Agriculture, Northfield. Agriculture, Northfield.
MOFFITT, John B., 1951-52-Property via Renmark.
MOORE, Stephen D., 1948-51-Department of Agricul-
ture, Adelaide. ture, Adelaide.
MORRIS, Anthony, 1944-47-Assistant Dairy Instructor,
Roseworthy Roseworthy.
MORRIS, Charles H., 1951-52-Rutherglen, Victoria. MORRIS, Dickson G.,. 1946-60-Oenologist, Berri.
MORRIS, Graham, 1948-51-Farming, Yorke Peninsula.
Compass. Ross J., 1946-49-Property, Mount
MOSEL.
MOTTERAM, R., 1956-59-Teacher, Elizabeth.
MOULDEN, Lindsay H ${ }^{\text {1904-07-Retired, Kings Park. }}$ garry Victoria MOWATT ictoria.
MOWATT, Peter J., 1955-58-Department of Agricul-
ture, Loxton. ture, Loxton.
MOYLE, Donald W T., 1956-58-Teaching, England.
MOYLE, Donald W., 1945-48-Farming, Keith
MUECKE, Andrew S. ., 1947-50-Property, Penola.
MULLER, Albert A., 1943-46-Property, Bridgewater.
MUHLAN, Peter H., 1946-49-Property, Naracoorte. Board, London. Denis B., 1933-36-Australian Meat Board, London.
MURRAY, John T., 1912-14-Property, Woodside
MURRAY,' Robert A., 1961-64-Adelaide University Student.
MURRIE, David I., 1940-43-Department of Agricul-
ture, Stock and Fisheries, Daru, N.G
MYERS, Noel C., 1960-63-DAddress, Portland, Vic. Agriculture, Nicosia Cyprus 1954-56-Department of Agriculture, Nicosia, Cyprus.
NANKIVELL, Brian G., 1944-47-Farming, Willaston. NASH HAL, William, 1941-44-Property, Geranium NASH, Harris M., 1958-61-Department of Agriculture. Port Lincoln.
NEVILLE, Keith R., 1948-49-Farming, Balaklava.
NEWLAND, James H., 1930-35-Property, Naracoorte.
NICHOLLS, Donaid ${ }^{\text {1956-59-Farming, Ungarra, S.A. }}$
NICHOLLS, Donald L., 1946-49—Farming, Bumbunga.
NICHOLLS, John P., 1954-57-Property, Culburra, S.A.
NICOLSON, Andrew J., 1917-18-Station via Whyalla.
NICOLSON, Donald A., 1949-52-Station via Whyalla.
NICOLSON, George W., 1922-23-Station via Whyalla.
NILSSON, Gordon, 1948-51-Tolleys, Nuriootpa.
Malvern.
NINNES, Bertie A., 1946-48-Research Centre,
NORMAN, Geoffrey R., 1949-51-Department of Agriculture, Tasmania.
NORTON, Raymond S., 1944-47-Farm Manager, NOTTAGE Williage.
OBST, John William, 1938-40-Property, Meadows.
OBST, John M., 1956-59-Research Centre, Parndana
O'GRADY, Victor T., 1946-49-Property,' Casterton,
OLIVER
OLIVER, Ian R., 1954-57-Irrigation Equipment,
Waikerie.
Waikerie.
OLIVER, William J., 1962-63-Address, Berri.
OPIE, Stewart B., 1912-15-Hyde Park.
ORCHARD, Edward H., 1932-36-Glengowrie.
PACKER, Reginald 193 1906-09-Retired, Clare
PAECH, Reginald, 1930-33-Property, Goroke, Vic.
Barker Grant L., 1957-59-Dairy Farming, Mount
PALLANT, Gordon Bray, 1939-42-Hi-Cliff Dairy,

Waikerie.
PALTRIDGE, Geoffrey A., 1961-64-Property, Tar-
peena.
PALTRIDGE, Geoffrey R., 1949-52-Property, Tar-
peena. peena.
PANSER, Roger L., 1923-26-Farming, Yacka
PATERSON, Alfred H., 1927-29-Teaching, Scotch
College (?).
PARICK, Adelaide.
PATTERSON, Hamisch R., 1930-33-Port Lincoln
PAXTON, Alexander W., 1923-26-Storekeeper, Normanville.
PEARCE, John L., 1943 -Fruit Block, Renmark.
PEARSE, Harold L., 1903-04-Retired, Adelaide.
PEARSE, Norman H., 1899-1902-Retired, Adelaide.
PEARSON, Francis B., 1922-25-Department of Agri-
culture, Adelaide.
PEDERSON, Robert N., 1960-64-Department of Agriculture, Northfield.
PEDLEY, Kenneth McR., 1954-57-Property, Moltema Tasmania.
PERRY, Ronald S., 1935-38—Department of Agriculture.
PETTMAN, Gregory W., 1956-59—Address, Mount
PFIEFFFER, Kevin A., 1962-64-Renmark
PFIEFFER, Kevin A., 1962-64-Renmark.
PHILP, B. C.-Secretary, Rosen-Teacher, Renmark. PHILP, B. C.-Secretary, Roseworthy College.
PHILLIPS, Campbell, 1955-58-Department of Agriculture, Nuriootpa.
PHILLIIPS, John S., 1923-26-Address, Woodville.
PIKE, Edgar W., 1944-46-Property, Langhorne Creek
Institue Kenneth A., 1923-26-Farm Manager, Waite Institute.
PITMAN, James B., 1953-56-A.B.C., Adelaide.
PITT, Simon J. K., 1953-56-Property, Ouse, Tas.
PLUS'H, Donald S.,' 1941-42-Fruit Grower, Winkie POCOCK, Donald J., 1945-48-Farming, Lameroo.
POLLITT, Carlton, ${ }_{\text {Waikerie }}$ 1930-33-Irrigation Equipment,
Waikerie.
POTTER, John C., 1945-48-Department of Agriculture, Adelaide
POTTS, Arthur J., 1941-42-Langhorne Creek
POWNALL, Robert A., 1930-33-Property, Narrabri, N.S.W.

PRANCE, John A., 1939-41-46-Property, Millicent. PREECE, Colin T., 1920-23-Retired, Address (?). PRESTON, David H., 1916-19-Perth, W.A.
PRICE, Donald M., 1949-52-Fruit Grower, Renmark. PRYOR, Kingsley E., 1938-40-Dairy Farmer, Tailem Bend.
PUCKRIDGE, Donald W., 1950-53-Returned from England (?).
PUCKRIDGE, Robert J., 1954-57-Department of Agriculture, Adelaide.
PURSER, David G., 1950-53-Property, Piawaning, W.A.

PURSER, David P., 1946-49-Teacher, Blackwood.
QUINN, Noel R., 1919-20-Address, Kingston, S.E
RADFORD, Reginald W., 1956-59-Anders Farm
Machinery Salesman, Greenoch.
RALPH, James H., 1918-21-Property, Binnum.
RAMSAY, Richard J., 1956-59-Dairy Farming, Tas. RANKINE, Robert J., 1945-47-Property, Strathalbyn. REDDIN, John P., 1959-62-Sydney University, Vet. REDDIN
REDDIN, John W., 1937-40-Studmaster, Newbold, Gawler River.
REEVES, Robert W., 1959-62-Farming, Millicent
REID, Sydney K., 1939-42-Property, Kalangadoo
RENK, John A, 1951-55-Property, Wanamil, W.A.
RENK, Peter, 1954-57-Property, Mount Compass.
RICE, Ian M., 1954-57-Farming, Dutton.
RICEMAN, David S., 1929-31-C.S.I.R.O., Adelaide.
RICHARDS, Allan B., 1950-53-Address Broken Hill. RICHARDS, John A., 1948-51-Lands Board, Adelaide. RICHARDS, Mervin H., 1931-34-Department of Agriculture, Adelaide.
RICHARDSON, John B., 1952-55-Property, Ararat RICHARDSON, Harold B., 1897-98-Address, Coonawarra.
RICHARDSON, William R., 1899-1902-Retired, Warradale, S.A.
RIDDELL, James S., 1936-39—Donahrin Downs, Meningie
Student, Richard A., 1954-57-Veterinary Science Student. Sydney.
RIGGS, Frank, 1914-17-Address, Clovelly Park
RITCHIE, David J., 1956-59-Farming, Pt. Lincoln. ROACH, Donald H., 1936-37-Property, Kadina. ROBERTSON, Cyrii S., 1904-07-Property, Young,
N.S.W.

ROBERTSON, Robert L., 1933-36-Property, Naracoorte.
ROBIN, Cecil Bedford, 1919-22-Orchadist, Nuriootpa. ROBINS, Robert William, 1955-58-Teacher (?).
ROBINSON, David J., 1945-46-Somewhere in Vic-
ROBINSON, Geoffrey K., 1947-50-Department of Agriculture, Adelaide. ROBINSON, Hugh W., 1922-25-Rural Consultant, ROBINSON, Timothy J. L., 1955-58-Property, Chittering, W.A.
ROBINSON, Timothy K., 1955-58-Property, Apsley,
Victoria.
ROE, Geoffrey P., 1937-40-Department of Lands, Adelaide.
ROEDIGER, Karl F., 1930-31-Property, Gawler.
ROGERS, Gilbert V., 1922-25-Dairyman(?), Victor Harbour.
RUSSELL, David G., 1962-63-Address, Semaphore. RUSSELL, Donald W., 1939-42-Department of Agriculture, Adelaide.
RYAN, Hilary T., 1931-34_Property, Mundulla
RYAN, John T., 1919-22-Property, Mundulla.
RYAN, Robert G., 1960-63-Property, Delamere.
SAGE, Tom M., 1941-44-Department of Agriculture, Adelaide.
SALTER, Michael M., 1950-53-Property, Ardlethan,
SAMUEL, Chas. G., 1918-20, 1923-24—Chronicle,
SANDERS, William F., 1935-36-Property Rocky
Glen, N.S.W. A 1952-55-Still in Kenya
SANDS, James A., 1952-55-Still in Kenya.
in W, William R., 1950-53-54—With a Stock Firm in W.A. (?). S.A.
brook, SANGSTER, Richard M., 1947-50—Property, Mingary, SAVAGE, Eran C., 1932-35-Address is Griffith, SCALES, David W., 1955-58-Farming, Naracoorte. SCHAFER, Brian M., 1950-63-Armadale University, N.S.W.

SCOTT, Malcolm A., 1954-57-Ferguson Sales, Adelaide.
SEDGLEY, Ralph H., 1947-50-C.S.I.R.O., Deniliquin, N.S.W. SEEKAMP, J. V., $\quad \underset{\text { Drainage }}{\text { Consultant, }}$ Renmark. ${ }^{\text {Rent }}$ Grower and Drainage Consultant, Renmark. culture, Nuriootpa.
SELLARS, Phillip M., 1944-48-Farming, Bolivar.
SEPPELT, Gerold B., 1951-54-Seppelts \& Co.,
Adelaide.
SEPPELT, Karl Josef, 1949-54—Seppeltsfield.
SEPPELT, Karl Josef, 1949-54-Seppeltsfield. SEPPELT, Malcolm
SEXTON, David C. H., 1954-57-Address. Melbourne. SEXTON, Michael F. H., 1954-57-St. Peters, Hack-
ney (?). Robin P., 1951-54-Ford Co., Birkenhead. SHACKLEY, Kevan D., 1943-Farming, Owen. SHEARER, Christopher, 1955-58-Farm Advisory Service, Keith.
SHEGOG, Robert L., 1937-40-Property, Frances SHEPHERD, Charles W., 1947-49-Property, Glencoe West.
SHEPHERD, Winston L., 1934-37-Property, Lucindale. SHIPARD, Jonathon J., 1958-61—Property, Penong,
SHIPSTER, Reginald F., 1934-39-Winemaker and Manager, Tanunda.
SHIPTON, Ray, 1945-49-Melbourne or Sydney (?). SHIPWAY, Gerald G., 1947-50-Property, Naracoorte. SHORT, Ian R. A., 1954-57-Property, Kangaroo Island.
SIEBER, Ernest W., 1925-26-Farming, Greenock.
SIMES, Robert T., 1947-50-Fruit Grower, Barmera.
SINCL,AIR, John H., 1958-61-Property, Yea, Victoria.
SKULL. John C., 1958-62-Department of Agriculture, Adelaide.
SLEE, Clem, 1936-39-Address, Renown Park.
SLEE. Denys V., 1958-61-Extension Officer, N.G.
SLUITER. Johan D., 1959-62-Still in Europe.
SMITH, Brian C. W., 1934-37-Property, Naracoorte SMITH, Cyril J.-Wool Instructor, Institute of Tech-
nology.
SMITH. Dudley. J. M., 1943-46-Property, Finley,

SMITH, Howard K., 1959-62-Elders-G.M. Naracoorte. SMYTH, Allan R., 1946-49-Farming. Salters Springs. SMYTH, Robert N. C., 1958-61-Farming, Cook's Plains.
SNOOK, Eric J., 1938-40-Grazier, Beach Port
SNOW, Harold, 1909-12-Retired, Unley Park
SOBELS, Talbot J., 1953-36-Reynells Wines.
SOLLY, Ross G. R., 1955-58-Teacher, Wudinna. SOLLY, Herbert, 1909-11-Retired, Port Lin
SOO, Fook N., John T., 1941-44-Massey-Ferguson, Maitland.
SPURLING, Milton B., 1943-44-Department of Agriculture, Adelaide.
SPURLING, David R., 1947-50-Department of Agriculture, Nuriootpa.
STAIN, John A. W., 1958-62-Address, Norwood
STANLEY, David C., 1956-59-Farming, Kenya.
STANLEY, Donald N., 1962-65-Travelling Australia. STANTON, Rex C., 1945-48-Farming, Keith.
STEED, John Nichols, 1948-51-Department of Agriculture, Blackwood.
STEED, Robin Medley, 1950-53-56—United Co-op. Dairies, Parkside.
STEEN, Douglas B., 1950-53-W Waite Institute, Glen Osmond.
STEPHEN, Harry V., 1945-48-Poultry Instructor, Roseworthy College.
STEPHENS, Collings A., 1933-36-Property, Inman Valley.
STEPHENS, Donald C., 1952-55-A.M.P., Vic. (?). STEPHENS, Rollo F., 1935-38-Property, Victor Harbour.
STILLER, Theodor, 1961-64-Agric. Training School, STILLER, Theodor, 1
Banz, New Guinea.
STIRLING, Robert B., 1931-32-Property, Tumby Bay.
STACEY, Brian W.. 1945-48-Property, Mypolonga. STACEY, Brian W.:. 1945-48-Property, Mypolonga. STOTT, Robert C. H., 1923-26-Retired, Adelaide. STow, Roger H., 1950-53-Elder Smith-G.M., AdeSUMNER, Clifton B., 1956-59-Farming, Williamstown. Adelaide.
SWABY, Bernard A., 1962-65—Address, Malvern.
TAN, Siew L., 1956-59-Singapore (?).
TANDY, Michael J. B., 1959-62-Property, Cressy Tasmania.
TAYLOR, Albyn L.,
TAYLOR,
Raymond J.,
1949-52-Commonwealth Development Bank, Adelaide.
TAYLOR, Jeremy R., 1956-59-Address, Glen Osmond. TEAGLE, Raymond ' D., 1954-57-Property, Kalangadoo.
TEAKLE, Ronald E., 1947-50-Property, Naracoorte. TERRY, William A., 1898-1900-Retired, Brighton.
THOMAS, Eric B.,' 1920-23-Property, Yandanooka, W.A.

THOMAS, C. M., 1915-16-Address, North Adelaide. THOMAS, Ian E., 1921-23-Elders, Medindie.
THOMAS, Ian L., 1959-64-Journalist, Chronicie. Yunta.
THOMAS, Roy S., 1923-26-Gooseberry Hill, W.A. THOMSON, Donald C., 1953-56-Commonwealth Public Service, Canberra. 1955 -58-Property Great THOMSON, Eric V., 1955-58-Property, Great THYER, Peter E. D., 1952-55-Commonwealth Development Bank, Port' Lincoln.
TIMBERLAKE, Malcolm, 1957-59-Metropolitan Milk Board. Adelaide.
TOD, Philip A. Jnr., 1939-42—Farming Pt. Broughton. TOD, Philip A., 1911-14-Farming, Pt. Broughton.
TORR, Thomas H.. 1930-32-Doctor, Bute
TOWNSEND, J. D., 1962-65-On home preperty, Waikerie.
TREGLOWN. John P.. 1953-56-Property. Meadows.
TRELOAR, Graham Ḧ., 1953-56-Plane Servicing Co., Parafield.
TRENT. Ni
TRENT, Nigel W., 1959-62-Property, Kenya.
TUCKWELL, David M. R., 1949-52-Fertilizer Sales, Mount Gambier.
TUCKWELL, Kevin J.. 1954-57-Address, Pt. Lincoln. TUCKWELL, Ronald L., 1954-57-Theology Student. TUMMEL, Philip LeH., 1936-40-Winemaker, T.S.T., St. Peters.
TURNER, Colin R., 1959-60-H. C. Sleigh, Representative, Adelaide.
TURNER, Randell J., 1932-35-Property, Kangaroo TURNER, Randel J., 1932-35-Propert, Kang
VAN HOOF, Edward J., 1955-57-Myponga Co-op.,

Myponga
VERCO, John W., 1940-45-Address', Grange
VICKERY, John E., 1950-55-Winemaker, Ta:unda. VON DOUSSA, Frederick, 1927-30-Property via Naracoorte.
WALKEM, George C., 1912-15-Address, Linden Park. WALKER, Alexander J. K., 1924-27-Department of Agriculture, Adelaide.
WALKER, David W., 1936-39-Property, Kalangadoo. WALKER, John P.,', 1948 -51-Property, ${ }^{\text {Wailem }}$ Bend. WALKER, Norman J., 1947-51-Australian Wines Letd., Magill.
WALSH, Geoffrey P., 1962-63-S.A.F.U., Adelaide.
WARTERS, John R., 1939-40-Farming, Naracoorte. WARD, Stephen A., 1933-36-Property, Naracoorte.
WARD, Kenneth W., 1940-43-S. Wynn \& Co., Melbourne.
WARD, William P.. 1949-52-Address, Magill.
WATERS, Alfred H., 1938-40-Property, Binnum.
WATT, Ian R., 1962-65-Sheep and Beef Assistant, Roseworthy College.
WATSON, Peter D., 1959-62-Address, Medindie.
WAUGH, Ian MCB., 1948-51, 1953-54-Department of
Agriculture, Adelaide.
WEBBER, Glynde D., 1950-53-Department of Agri-
culture, Kadina.
WEIDENHOFER, K., 1924-27-Botanic Gardens,
Adelaide. Adelaide.
WELCH, Richard E., 1924-27-Property, Keith.
WEST, Eric S., 1914-15-Irrigation Research, Griff
N.S.W.

WEST, Peter B., 1959-62- With Sir Barton Pope's Co WESTE, Peter O., 1945-47-Winemaker, Clare.
Kangaroo Island. L., 1934-37-Property, MacGillivray,
WHEATON Island.
WHEATON, Frederick A., 1908-11-Property, Red
wHE
AEATON, Robert, 1903-06-Retired, Kingscote, K.I.
Adelaide
WHITINGTON, Peter, 1948-51-Taxation Department, Adelaide
WHICKER, S. E., C/W. Land Tax, Eden Hills.
WIESE, Guy E., 1928-31-Property, Bordertown.
WIESE, James, $1960-63-$ Farming, Mundalla.
WIGG, David, R., 1951-54-Doctor, Fullarton
WILKINS, Edwin D., 1951-53-Dairy Division, Depart-
wILKI of Agriculture, Victoria.
Gramps, Rowland N., 1951-54-Vineyard Manager,
Gramps, Rowland Flat.
WILKINSON, John I., 1938-40-Darlington Point,
WILLIAMS, Robert J., 1955-57-S. Wynn \& Co.,
Magill.

WILLIAMS, Stuart G., 1938-40-Department of Agriculture, Murray Bridge.
WILLIAMS, John F., 1959-62-Address, Warradale Park.
WILLIAMS, Ian H., 1961-64-Address, Black Forest. WILLIAMS, Ian M., 1959-62-Property, Second Valley.
WILLISON, Trevor J., 1960-63-Teacher, Urrbrae.
WILSON, Brian R., 1958-61-Address, Myrtle Bank
WILSON, Charles C., 1935-37-Property, Horsham Victoria.
WILSON, David B., 1945-49-Agricultural Adviser,
Tasmania.
WILSON, HaroId C., 1903-06-Research Farm, Werribe (?).
C., 1903 -06-Research

WINN D Dichard J. 1922 -25-(?) Melbourne
WINSER, Richard L,
WISHER, Richard L., 1937-40-Property, Kalangadoo. WISHART, Graham M. D., 1960-63-Department of Agriculture, Adelaide
WISHART, Ross L., 1945-48-Department of Agriculture, Renmark
WOLLASTON, David L., 1945-47-S.A. Railways, Adelaide.
WOODROFFE, Gerald K., 1958-61-Assistant Farm WOOnager, Roseworthy College.
WOODROFFE, K., 1932-34-Department of Agriculture. Loxton.
WOODHOUSE, Jask F., 1960-63-Farming and Contracting, Western Australia.
WOODWARD, John M., 1956-59-Farming, Merrygoen, N.S.W.
WOODWARD, Richard A. T., 1959-62-Farming, OOR
AdelarD, Rodney C., 1952-55-Meggitt's Ltd., AOMelaide.
WOON, D, George R., 1953-56-Teaching, Glossop. WOON, Donald J., 1941-42-Property, Pyap.
Adelaide. Malcolm J., 1952-55-C.S.I.R.O. (Soils), YEATMAN
YEATMAN, Edward P., 1904-05-Retired, Netherby. YEO. David H., 1947-Fruit Block, Barmera.
YELLAND, Leith, 1956-59-Development Bank,
Adelaide.
YOUNG, Ian L., 1956-59-Teacher, Orange, N.S.W.
YOUNG, Gavin J., 1949-52-Department of Agricul-
ture, Jamestown.
YOUNG, B. S., 1942-45-Property, Kalangadoo.
YOUNG, Philip J., 1936-39-Farm Advisory Service, Keith.
YOUNG, Peter MacK., 1956-59_Farming, Yerong
Creek, N.S.W.
YOUNG, Peter, 1943-45-Property, Kalangadoo.


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Liebich, R. E.
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Sampson, R. J.
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Thyer, L. B.

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Brown, R.
Caudle, C. R.
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Evans, J. W.
Fromm, G. M.
Hannon, T. F.
Hay, R. S.
Hicks, D. R.
Holloway, R. E.
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