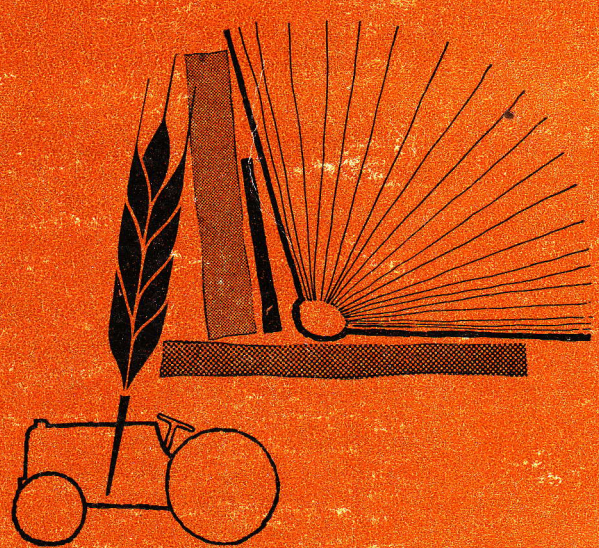


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The Student



Registered at G.P.O., Adelaide,
for transmission by post as a periodical.

Agricultural College

ROSEWORTHY, SOUTH AUSTRALIA

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The Student

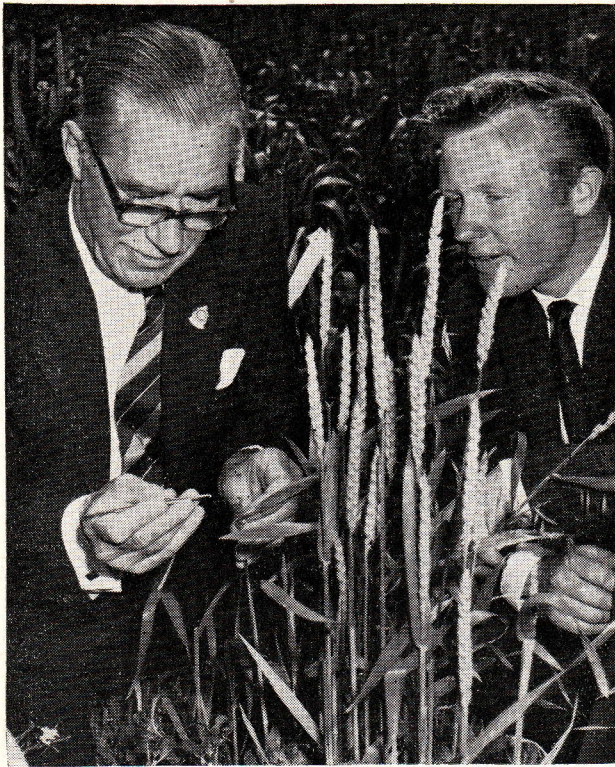
Editorial

Recently there has been publicity concerning "Community Aid Abroad". This organisation intends to give Scholarships to young people wishing to work abroad in underprivileged countries. Every year throughout Australia there are a large number of new graduates from Universities and Colleges, some already have jobs, some are still looking for jobs and some not wishing to settle down too early in life go travelling. A few are lucky enough to be able to go abroad while most content themselves with travelling around Australia.

Couldn't we as graduates use this time more profitably? Are we doing the right thing looking for jobs to provide only for our own personal requirements? Couldn't we give up some period of our lives to aid the less fortunate members of the world community? C.A.A. is perhaps the start of this movement, but because it is a private venture, funds and influence are somewhat limited. Surely this type of work should be undertaken with strong Government financial support. The America "Peace Corps" is an outstanding example of this kind of work. Many states in the African and Asian Continents are desperately short of food, and even more serious, without the necessary trained men to teach farmers modern methods. However, we at Roseworthy can appreciate this side of the problem, there are identical discrepancies in the fields of engineering, economics, planning etc. Obviously we are not directly trained to cope with problems of countries in vastly different climatic conditions but would quickly adapt ourselves to their circumstances. To date, only degree men are accepted by the United Nations and then, generally speaking, men at the top of their respective fields. This offer of help should come from a government level. Would it in fact eventuate? Would the trained men of the country be allowed to leave? We are a young country but could surely lend some skilled labour to our less fortunate neighbours. Those who undertook to go abroad would come back much wiser and more experienced. The ability to get on with people from a dissimilar background and work with them would be an invaluable experience in any field. Whether as a country we are "big" enough, not in capital, but in charity, to loan some members of a community who are already in short supply in their home country, is a challenge which I feel should be accepted.

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Governor's Visit

Late in October His Excellency the Governor of South Australia, Sir Edric Bastyan, and Lady Bastyan came to the College with the particular aim of seeing plant breeding activities. This was in fulfilment of a promise made during his last visit when he expressed an interest in wheat breeding.

The Governor's Rolls Royce was directed to South three to see a demonstration of the actual hybridization technique. After watching how two wheat varieties are crossed together and after a little prompting, in the typical fashion of an English gentleman, Sir Edric agreed to have a go at it himself. Twenty minutes later, after a considerable amount of kneeling, working with forceps and aided by hints from Lady Bastyan (and some minor cursings of his own) the Governor succeeded in emasculating a head of the variety Festival. This head he duly labelled, "All my own work," and gave strict orders that it be pollinated and the results of his efforts be made known to him after harvest. Festival was selected for no special reason other than there happened to be an emasculated head near by on which the second stage of hybridiz-

ation, pollination could be demonstrated.

Over an appetizer at the Principal's residence it was decided to pollinate this wheat head with the variety Ghurka, the Governor lightheartedly explained that the "new variety" resulting could be named in the Roseworthy weapon wheat tradition as Kukri, after a sword he has. This type of sword was once used by Ghurka soldiers, a two edged blade which in skilled hands could remove a man's head with a single flick.

Although Sir Edric was not asked to speak at lunch, he felt moved to say a few words to the students while they were assembled. He said that after what he had tried during the morning he realized the skill and patience that goes with any form of agriculture. College students are husbandmen either of animals, crops, pastures, soil, etc., and whether engaged in research work, extension work, agricultural sales, education, or working on properties, must always exhibit skill, patience, care and understanding both to the community in which they live and to their particular pursuit in agriculture. As well as this the College gives to each student, if he is willing to accept, an upbringing and status in life worthy of the primary industry (Australia's greatest export) which they represent. This exhortation was well received, as shown from the applause given.

Later in his offer the Principal explained the general College system to Sir Edric and Lady Bastyan. The couple left the College soon after one o'clock to fulfill their other commitments for the day.

His Excellency asked to return to see more of the College, its staff and students sometime in 1965.

Roseworthy

Speech day, 1964

Instead of the normal gathering held in the dining room, with an overflow into the hall and room behind, Speech Day this year was held in a huge marquee loaned to us by the army. Along with other sections of the College, the dining room was getting a face-lift.

A large crowd gathered to hear the Minister of Agriculture, Mr. Brookman, Mr. Richard Hawker, the Chairman of the Advisory Council and the report of the principal Mr. Herriot on the year's efforts.

In this report the Principal pointed out that the building renovations, in progress for the past 2 years, were still in progress, providing students with exceptional living quarters.

Speaking of the improvements to the course, Mr. Herriot mentioned the introduction of farm management studies into first and second year with the addition also of business principles and management. The remodelling of the biology course and the lift in the standard of Farm Engineering are all moves to a better agricultural technology course. This, the principal said should be the aim in the 1960's to produce people to staff advisory services to the farming community rather than men who "lift agricultural standards by example" as in the past. While Agricultural Colleges have been standing still, Universities have shifted their objective and have widened the gap between the Degree and Diploma.

They are "no longer integrated courses at different levels with different emphasis", but are "poles apart". Diploma holders are unable to compete with graduates in the Service Industries because Colleges have not given them comparable training in a field now wide open.

The opportunity, the principal pointed out, is now there to act and we have all the facilities and the best basically trained recruits to once more make Roseworthy College the undisputed leader in Australia. The prospects for the Agricultural course apply also to the Oenology.

For the first time the principal awarded the Richard Maxwell Memorial Prize to perpetuate the memory of Richard Maxwell, killed in a motor accident in Western Australia in January, 1962. Men from his year, the 1958 graduating class, have established this prize "For the Third Year Student who has exercised the best all round stock sense and ability as a stockman. It was awarded to Ian Holman.

After referring to the enthusiasm and support of his staff and departure and arrival of others the Principal mentioned the appointment as Vice-Principal, of Mr. M. R. Krause who has been at Roseworthy for 17 years and has always "worked hard and well for everything good for Roseworthy".

Following this report, Mr. Herriot invited Mr. Hawker to present the prizes.



Mr. Herriot (Principal), Mr. Hawker (Chairman of Advisory Council)

Diploma List, 1964

In Order of Merit

- 1008 PETER TERENCE GALLASH
with Second Class Honours.
1009 PHILIP RAY LETHEBY with
Second Class Honours.
1010 IAN MANIFOLD HOLMAN with
Second Class Honours.
1011 ROBERT ANTHONY MURRAY
1012 ROGER MORRIS ARNOLD
GAMBLE
1013 ROBERT NOEL PEDERSON
1014 ANTHONY GILBERT
SUMMERS
1015 GEOFFREY ALLAN
PALTRIDGE
1016 BRIAN PERCE FRANKLIN
DANIEL
1017 MICHAEL LANCELOT MILNE
1018 BEAU COLBEY
1019 TERENCE GEORGE KLUG

Unclassified

THEODOR STILLER
KONG KIM CHING
DENNIS PATRICK LAURENCE

GRAMP, HARDY, SMITH MEMORIAL PRIZE

C. R. HANCOCK

OENOLOGY DIPLOMA LIST, 1964

In Order of Merit

- 75 CHRISTOPHER ROBIN
HANCOCK with First Class Ho-
nours and High Distinctions in
Chemistry and Winemaking.
76 DERHAM MANN with Second
Class Honours.
77 KEVIN ALBERT PFEIFFER with
Second Class Honours.
78 IAN JAMES MCKENZIE with
Second Class Honours.
79 JOHN DACRE BARRETT-
LENNARD
80 MALCOLM JAMES SEPPELT

PRIZE LIST

OENOLOGY DIPLOMA STUDENTS

Gold Medal (Presented by the late Mr. Leo Buring for the highest aggregate in all diploma subjects).

Tasting (Presented by Adelaide Motors Ltd., in memory of the late Mr. R. H. Martin).

J. D. BARRETT-LENNARD

Practical Examinations (Presented by the Wine and Brandy Producers Association of S. Aus. Inc.).
M. J. SEPPELT

PRIZE LIST - YEAR 1964.

THIRD YEAR STUDENTS.

Gold Medal (Presented by the Royal Agricultural and Horticultural Society for the highest aggregate in all diploma subjects).
P. T. GALLASCH

Old Students' Cup & Prize (Presented by the Roseworthy Old Collegians' Association for the second aggregate in all diploma subjects).
P. R. LETHEBY

Outside Work (Presented by the Albert Molineux Memorial Trust).
I. M. HOLMAN

Practical Examinations (Presented by the Members of the Advisory Board of Agriculture).
R. N. PEDERSON

Morphett Prize in Dairying (Bequeathed by the late Mr. A. H. Morphett).
I. M. HOLMAN

The Haselgrove Prize in Horticulture (Presented by the late Mr. C. F. Haselgrove).
P. T. GALLASCH

Agriculture (Presented by Dr. R. N. McCulloch).
P. R. LETHEBY

The Most Efficient Operator of Farm Machinery (Presented by the Director of Agriculture).

B. P. DANIEL

Prize for Practical Farm Engineering (Presented by Caltex Oil (Aust. Pty., Ltd.).

R. N. PEDERSON

Sheep Husbandry (Presented by Mr. W. S. Kelly).

G. A. PALTRIDGE

Rudi Buring Prize for Practical Horticulture.

P. T. GALLASCH

The D.A. Lyall Memorial Prize for the best kept Diary.

R. N. PEDERSON

The Richard Maxwell Memorial Prize

I. M. HOLMAN

SECOND YEAR STUDENTS

Dux of Year. (Presented by the Gawler Agricultural Horticultural and Floricultural Society).

R. M. BROWN

The W. J. Colebatch Memorial Prize.

R. M. BROWN

Second Aggregate Prize. (Presented by the College)

W. J. MCGOWN

The Shell Prize (Presented by the Shell Co., of Australia Ltd.).

R. M. BROWN

Agriculture (Presented by The Principal)

R. M. BROWN

The T.G.H. Buring Prize in Horticulture.

R. W. FEWSTER

The H. Wyndham Brown Prize (Presented by the late Mr. H. Wyndham-Brown for the highest aggregate in basic science subjects).

R. M. BROWN

Outside Work (Presented by the Albert Molineux Memorial Trust)

S. T. GEE

FIRST YEAR STUDENTS

Dux of Year (Bronze Medal).

A. C. SMITH

Second Aggregate Prize (Presented by the College).

B. A. LAWES

Outside Work (Presented by the Albert Molineux Memorial Trust).

A. C. SMITH

Agriculture (Presented by the College).

B. A. LAWES

Dux in Agriculture

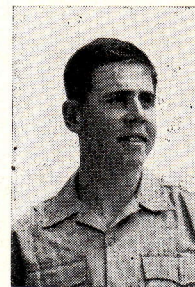
P. T. Gallasch

Peter came to College from Nuriootpa High with a good standard of six subjects and two credits in his Leaving.

This did not satisfy him, however, and he proceeded to matriculate during his stay with Intermediate Maths 1 and 2 in First Year and Leaving Maths 1 and 2 in Second Year, and Leaving Geography in Third Year. Just to show that he meant business he went from 3rd in his First Year to Dux in his final year.

Peter is to be congratulated on his attainment of the goal he set himself as he is now working for a degree in Agricultural Science at the Adelaide University.

As well as winning the Gold Medal as Dux of Third Year, he gained the Haselgrove prize in Horticulture and the Rudi Buring Prize for Practical Horticulture.



Dux of Oenology

C. R. Hancock, R.D.A.

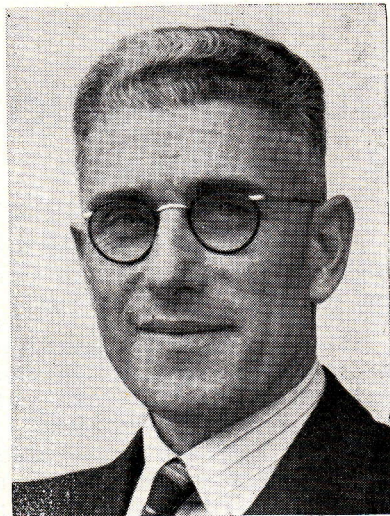
"Hank" came back to College after receiving the Wine Board Scholarship of 1962. Always a good "college man" he continued to display this interest and exert his influence in this direction among the Oenology in general.

He completed his second course with First Class Honours and High Distinctions in Chemistry and Wine making.

As well as receiving the Gold Medal for top place he was also awarded the vote for the Gramp Hardy Smith Memorial Prize which is a rare distinction for a "Plonkie".



Commercial Counselling in Washington



Dr. Allan R. Callaghan, C.M.G.,
Commercial Counsellor at the
Australian Embassy, Washington, D.C.

I was asked by the Manager of "The Student" to convey "a message of extreme value to all agriculturists". In his laudable anxiety to "raise the standard" of "The Student", I come into it as a guest writer. I promised to undertake the task.

Rather than lead you into the jargon of international trade policy and place unentertaining demands on your concentration, I thought I would like to tell you something of my work, and in the telling of it hope to hold your interest, your understanding, and perhaps convey to you the significance of overseas work in the interests of Australian agriculture. Above all, I would hope that most of you who read it will have a direct interest because you either know me or know of me. Present day students, look up on the dining room wall and you will see a youthful likeness of me. I was more stern in those

days—it was taken after having been Principal for over seventeen years! But now to begin.

I work for Australia in almost anonymity. In other words, what I do is not heralded in press, radio or television as having been done by me; it all fits me into the pattern of work which finds expression in Government announcements. My work is only a modest, but important, link in the process of conveying and relaying questions, thoughts, ideas, protests, and opinions on trade and trade policy matters as they concern Australian-United States trade relationships.

Facts and figures enter into all this, but these are normally collected and collated by Canberra. In this office we convey information and glean information, and in the process make judgments on its relative significance and on reactions, and give opinions on what we hear from our American contacts. We must assess situations and advise. In order to do all this we must, above all, work with people. We must know the right people at the right time and have uninhibited access to them. This calls for hard work in making sure that the people with whom we have to deal respect and trust and appreciate our points of view. We must be able to work with them on a personal basis of genuine understanding.

We must also understand something of the American way of life, American thinking, be conversant with what we read in the press and be able, in turn, to assess its significance. Similarly, it calls for at least some understanding of the working of the United States' Government system, the relationship between the Administration (the President, Cabinet, and Departments) and the Congress (the Legislature), and the complex interchanges between Senate and House (constituting the Congress) and between both these bodies and the Administration.

In this process of learning something of the American set-up, of establishing good relationships and making friends, we must always be Australian and never neglect to portray and, yes, preserve our

native characteristics. One reason why diplomats are changed from one country to another as frequently as they are is to make certain they do not become indoctrinated by the country in which they have to live and work. This, perhaps, is a great disability, because it does take time to know and understand people in foreign lands. Make no mistake, the United States is a foreign country to us, but it has the great advantage that its people speak English much along the same lines as we do. We are accused (the right word) of speaking with an English accent—this gives us the perfect opportunity to proclaim our Australian origin and with it our accent. It's something to be proud of.

The sort of things we deal with impinge so much on agriculture that, as I'm sure you will agree, a background of Australian agriculture and its organisation, such as I am supposed to have, is of inestimable value. I feel a comparative stranger in a strange land groping for familiar signs, when I have to deal with the problems of trade in other commodities. There is also the need to apprehend the political significance of our work and co-ordinate it with the work of others in the Embassy in Washington, and especially with Australia's international political policies.

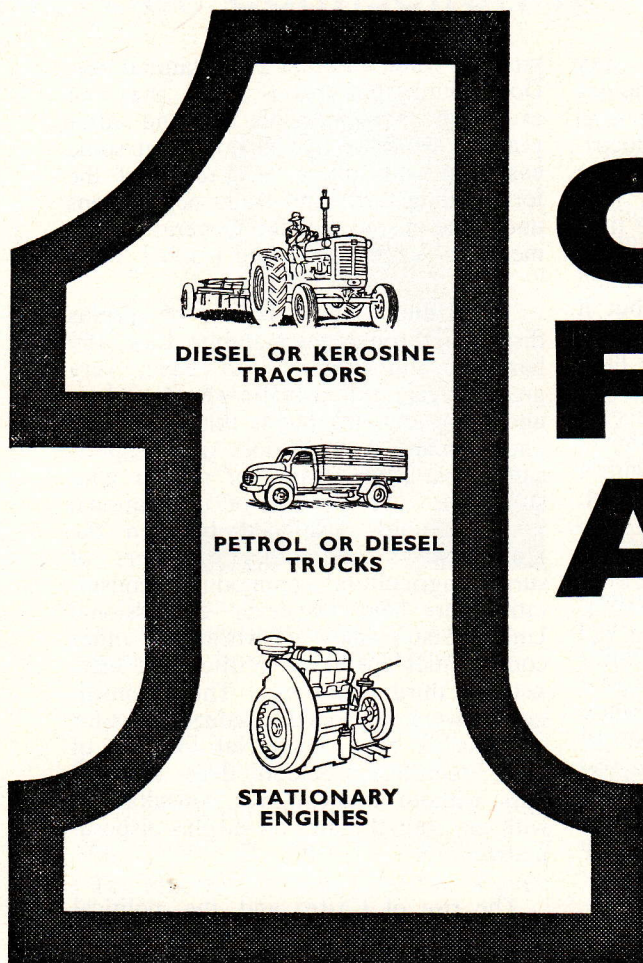
We have problems with the United States in all the more important of our primary commodities—rural and mineral. My first thought was to write an article for you on **meat**, but I realise that to tell the story in full, and avoid the jargon to which I have already referred, would have over-taxed the space of your magazine as well as the mental digestion of most of the readers. Suffice it to say that we have had our arguments on meat and, while we have been left somewhat battered and weary as a result of a very prolonged battle between the protagonists of protection for the cattle industry of this country, the Administration and Congress, we have retained access to the American market. We remain "bloody, but unbowed"!

The United States is the only significant industrial country in the world with a

tariff on **wool**, and that a substantial one. Don't think that this is other than an evergreen problem with us, and after years of work we live in hope that some easement will follow as a result of the forthcoming tariff and trade negotiations under the auspices of the General Agreement on Tariffs and Trade (G.A.T.T.).

The United States policy of surplus disposals through their Public Law 480 has had, and continues to have, very great effects on the world's **wheat** markets and ours, and, insofar as this affects us, and in many cases it does quite significantly, we have reason for regular consultations. As a result of international understandings developed between the United States and other exporters of surplus agricultural commodities, consultations are held whenever concessional United States sales of wheat or other commodities are likely to affect the markets of third countries. These consultations were developed to safeguard as far as possible the commercial markets of other exporters. Seldom does a week pass without four or five consultations with the United States on surplus disposal matters.

The rise of Castro and the political defection of Cuba altered the **sugar** markets of the world and significantly opened the United States market to other producers. We have battled vigorously and with considerable success to stake a claim, and now to expand our sales of sugar to the United States. We are still actively canvassing our interests, our capacity, and our strong desire to safeguard this new-found access, and to be assured of increasing our supplies as the United States market grows and further opportunities present themselves. In 1959/'60 Australia had no sales of sugar to the United States, and in the 1963/'64 season shipped almost 150,000 tons, worth approximately £10 million Australian. The 1964/'65 figures will be better. This is the measure of our success, reflected as you know in the present prosperity and expanding production of the Australian sugar industry.



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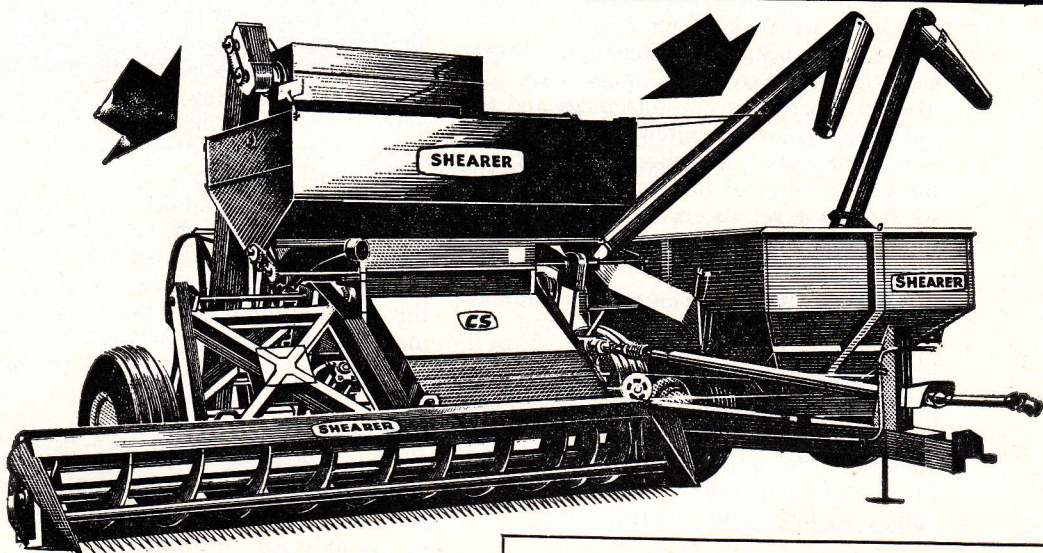
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In the field of minerals, **lead and zinc** feature very prominently in our work. As you know, Australia is one of the largest exporters of these commodities in the world, and we were deprived of our full, and what we believe our rightful, access to the United States market by the imposition of quotas over five or six years ago, to meet emergency circumstances and the pressure of local United States protectionist interests. In spite of the fact that the emergencies of the time have passed, we have not yet succeeded in having the quotas modified or annulled.

These are the more important commodities with which we are concerned, but many less consequential ones generate a lot of work, often out of all proportion to their trade significance, but which nonetheless impinge on principles, understandings and expectations in the realm of international trade. There is no difficulty—so far—with crayfish tails!

This brings me to the continuing work on which we are engaged in international trade policy. Fortunately for you, space and time will not permit me to develop this theme to any great extent, but it is a complex area which involves international business and the economics associated with it, as well as a knowledge of international agreements, arrangements and even projections.

In the last few years the United States has become more and more the fulcrum on which international trade policy depends. It is here that important world decisions are taken, and it is most essential that we should understand what is going on, and, more importantly, that the United States should be fully aware of our vital interests, and whither, where, and how we hope to go in international trade.

Our changing pattern of world trade indicates most clearly the swing away from our dependence on the United Kingdom markets to other markets in the world and the rise in significance of our place in international trade. Our dependence on primary industries, and particularly those of the rural sector, place us in a category distinct from the larger industrial countries, and our standard of living and progress in industrial development separate us from the lesser developed countries of the world. It is this unattached position in world trade that makes it most important for our voice to be heard clearly and in unequivocal terms in all the international forums relating to trade and agriculture. This brings me to say that we contribute from time to time by assisting in Australian delegations at such international meetings. In addition, the work that emanates from this office helps mould and develop the policy Australia advocates and endeavours to have accepted. All this is in the interests of Australian export markets, on which the whole fabric of the Australian economy and its future depends.

I could write more and be more specific, I could quote figures to substantiate my arguments, but in the process might well confuse you and destroy the clarity of my message. From my point of view the main thing is to let you know that my seventeen years at Roseworthy and ten years as Head of the South Australian Department of Agriculture have at least given me experience and sharpened my sense of judgment to the extent that I can enjoy my work without feeling it overburdensome. No longer do I worry over taking decisions and worry until the outcome of those decisions find fruition. These are the things that concern the Heads of Departments and albeit the Principals of Colleges, so whisperingly let me admit to enjoying something of the relief of being retired without retirement!

Oenology and Roseworthy College



Oenology as a subject was first taught at the College about 1890. This consisted of theoretical and practical wine-making taken as an optional subject in the final Agriculture year—much the same as Horticulture is today. The wine cellars were constructed in 1896/'97, and the only addition to the original design was the distillery in 1936.

The actual beginning of the Oenology Diploma course is contained in a memo from the then Principal, Dr. A. R. Callaghan, to the College council early in 1934, where he said,

“Briefly my idea is to enable men who have taken their diploma in Agriculture, either here or at any other Agriculture College in Australasia, to take a further Diploma in Oenology.”

He suggested a committee be formed consisting of two College Council members, two members of the Wine Industry and himself, to prepare a scheme for submission to the Minister of Agriculture. The two industry members being the Late Mr. Ron Martin and Mr. Colin Haselgrove, both being Old Scholars.

Dr. Callaghan's recommendations were then forwarded to the Director of Agriculture, the Late Prof. Perkins, himself a former Principal and extracts from his report are of considerable interest.

The first point to be established was the need for advanced studies in Oenology and secondly, whether there was a potential demand for trained students.

In the first instance the need of the Industry had to be correlated with the importance of the Industry. Particularly to S.A., and the following figures show the value of the Industry compared to some others in 1930/'31.

ITEM	Wineries and Distilleries	Butter Cheese Bacon	Grain Milling	Breweries	Dried Fruits Jam
Costs Capital	905,000	365,000	524,000	361,000	147,000
Raw Material + Costs	1,374,000	1,105,000	1,112,000	153,000	177,000
Salaries and Wages	131,000	97,000	97,000	79,000	39,000
Combined Totals	1,505,000	1,202,000	1,209,000	232,000	216,000
Employment	663	557	477	245	301

Thus the importance of the Industry was established.

In 1934 there were in S.A. 86 wine-making and distillation establishments directed and controlled by 35 working proprietors and 60 managers and overseers, and to quote Prof. Perkins,

“If we take into consideration the delicacy of the operations involved and the skill and training essential to success, it will be realised that even at their present dimensions these industries must make a constant call for trained assistants both in S.A. and other States and that the call must increase in power and strength.”

It is not generally realised that Roseworthy was not automatically selected as the establishment to house the oenology course, but it was suggested that the School of Mines in conjunction with the University also be considered. In view of the various problems associated with the establishment of teaching facilities etc., it was decided that Roseworthy would be best suited and Dr. Callaghan also suggested that one of the first steps should be the purchase of land in the Barossa Valley on which to establish vineyards, winery, accommodation etc., where oenology students could be stationed from time to time in pursuit of certain studies. In the light of experience had this been carried out, its success would have been assured and would have contributed much prestige to the industry and the college.

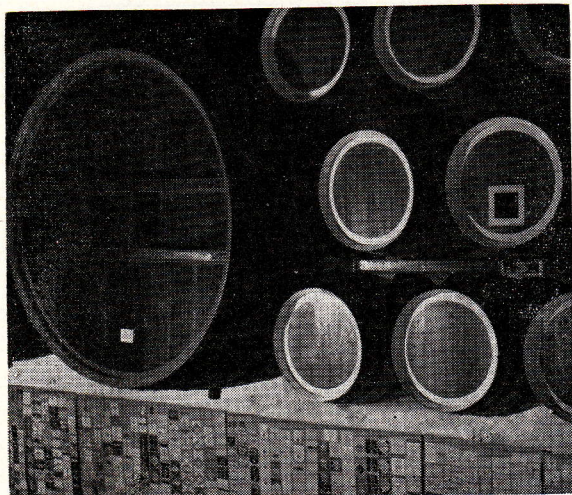
Also, it was suggested that students not only receive advanced tuition, but also take a hand in wine research, a strongly felt need at that time. Today the industry has a separate research institute and in the light of this experience, the only real solution, as research has grown far outside of the scope of advanced oenology studies.

In October 1935, a committee including many well known industry members, Messrs. R. H. Martin, W. Bagenal, T. Hardy, C. P. Haselgrove and K. Weidenhofer, met and made recommendations that an oenology course be established as soon as possible. The original plan was for a one year course, but a two years' course was finally implemented in January, 1936. In March 1936, cabinet approval was granted.

In 1936, the first oenology students as such undertook the course and since then, 80 Diplomas have been awarded; 5 of these graduates are now deceased and of the remainder 90% are still engaged in, or associated with, the Australian Wine Industry.

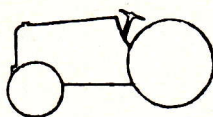
It must be borne in mind that since its inception, Roseworthy has had the closest of associations with the wine industry, and this is best illustrated by listing names of well known industry figures who were students of pre oenology days—they make a very imposing list and have set a very high standard for all oenology students to live up to.

L. N. Salter	1894
H. P. L. Buring	1896
C. P. Seppelt	1897
H. E. Laffer	1900
U. W. Seppelt	1900
R. H. Martin	1902
T. C. Angove	1902
X. A. Seppelt	1903
R. C. Hardy	1914
H. R. Haselgrove	1919
M. S. Bell	1920
J. L. Williams	1921
C. T. Preece	1923
J. M. Guinand	1923
C. P. Haselgrove	1924
J. R. H. Warren	1924



A. N. Woodroffe	1924
C. L. Sobels	1924
J. C. M. Fornachon	1925
M. O. Bested	1925
K. Weidenhofer	1927
A. R. Beckwith	1932
J. C. Kilgour	1932
W. C. John	1933
C. W. Kelly	1933
P. C. Angove	1934
R. E. Hagley	1934
W. B. Chaffey	1935 and 1939
G. C. Kay	1936
W. M. Hackett	1936 and 1938
R. F. Shipster	1937 and 1939
P. H. Tummel	1937 and 1948

Farm Diary



Two names are synonymous with the inauguration of the oenology course; The Late A. R. (Hick) Hickinbotham and J. L. (Jock) Williams, both of whom have oenology graduate sons. They were staff members from 1929 to 1948 and 1922 to 1946 respectively, and it was their responsibility to lay down the foundation of studies. Basically the same broad curriculum is used today, but with variations to keep abreast of modern winemaking techniques.

By the end of 1964, the College will have an excellent range of scientific equipment which will be used to give students experience in all applicable quality control, analytical and microbiological techniques. Also, a new combined lecture room—tasting laboratory will be built at the Cellars and extensive additions are envisaged which will mean that oenology students will be able to gain the adequate practical experience at the College, instead of working two vintage periods at various wineries throughout Australia.

At the present time, there exists a very strong demand for studentships which may introduce some form of entrance competition. In the past, most oenology students made employment arrangements either just before, or after final exams, but at present nearly every student has some form of affiliation with a member of the Industry.

Despite last year's wet winter we experienced a dry finish which affected the late maturing crops and produced some pinched grain. Typically in W.5, Gabo yielded a good sample at 41.3 bush./ac., while Dirk in the same paddock was pinched and yielded 31.4 bush./ac. Average yield of wheat on fallow was 32.7 bush./ac. with the highest yield 45.0 bushels (Gamenya). Wheat on leyland averaged 23.5 bushels. Early Kherson gave the highest yield in oats—50.3 bushels in one small paddock, while the average oat yield was 29.0 bush./ac. No oats was grown on fallow.

Barley yields varied from 35 bushels to 13 bushels and averaged 23.8 bush./ac.

This year we seemed to have missed on rains which have fallen in most other districts, and the winter rainfall, especially in August, was very light. However, each fall seemed to be just in time for the crops, and with 2 inches at the beginning of October, the crops are looking well, and good yields are expected.

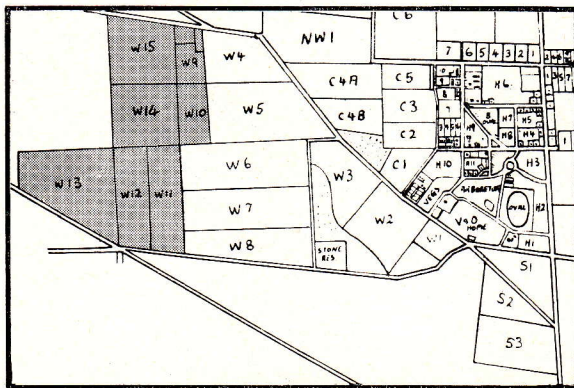
The dry August prevented pastures from growing and caused the medic to mature very early so that hay making began on 14th September. The pastures were very short and only 5,000 bales of meadow hay were made. To ensure there will be enough hay for the coming year 6,000 bales of cereal hay have been made.

The area round the farm buildings and stables has been tidied and altered this year as we have only 5 horses to care for now, the last of the Clydesdales, "Baron", being sold recently.

Machinery purchases during the year included a new 50 h.p. M. Ferg. tractor,

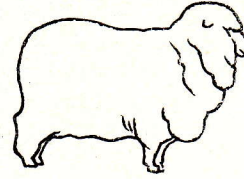
a David Brown "880" for V e O, a 7 ton Austin truck, a new spraycart and another bulk grain bin. With the coming estimates it is hoped to complete the programme of modernizing the farm machinery.

On March 1st, we officially took over the farm of 230 acres previously owned by "Darny Dahlitz" and purchased from his son-in-law, M. Henschke. The paddocks are shown on the College plan as West 9, to West 13.



Plan showing new purchase of West 9 to West 15

Poll Shorthorn Class—went on to be Reserve Champion and sold for the top price of £90.



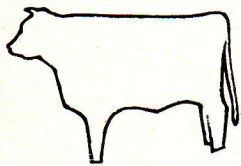
Sheep Nos.	Merino Ewes	673
	Halfbreds	118
	Dorset Horn	56
	Rams	159
	Merino Weaners	579
	Rations	124
		1,709

It will be noticed from the above that no Southdowns are listed; in September the entire flock was sold except for a few rams to be used in the 1964 mating. So after 58 years the oldest established British Breed Flock on the mainland of Australia has ceased to exist.

Fifty-six Dorset Horn ewes have been purchased as the nucleus of a Poll Dorset Stud — it is anticipated that a sire will be obtained from Newbold Ltd.

The 1963 lambing in the Merinos was the most successful for years — 597 lambs were tailed from 599 ewes. Weaned early these lambs did well and at October shearing cut up to 7 lbs./head.

The 1964 wool clip of 55 bales from 1,093 sheep and 581 lambs was of better quality than usual.



Cattle Nos.	Bulls	2
	Cows	43
	Yearlings	5
	Calves	28
		78

At the 1964 Sydney Royal Show the bull ELSINORA BRIGALOW (P), was purchased for 500 guineas. He was bred by the Elsinora Pty. Ltd., Mana Station, Forbes, N.S.W. being by Elsinora Matchless Musician 13th (P) and finished sixth in a large class at the Show.

Also Highbank Viking (P)—used by the College for the 1963 mating—was purchased from Mr. E. Nichols of Auburn, following his first drop of calves.

At the Adelaide Royal, results were disappointing except for a steer by Kaluga Alphard (P)—which, after winning the



During 1964 the changes at poultry have not been spectacular. The cage unit came into operation and has given good results. It is easy to cull unproductive birds as a record is kept of each bird's production.

Lights have been installed, but they were too late for any real benefit this year.

Production of eggs reached 26,509 doz. for the financial year ending 30/6/64 and the egg washing machine continues to be popular.

854 pullets were hatched at the College and 1,400 bought. These will be used to replace most of the birds. In common with a lot of poultry farms Leucosis has been rife and culling as a result heavy.

Plans are in hand for the erection of intensive rearing shed to give an alternate system of rearing and relieve the congestion in the present yards.

The poultry section has been included in the tree planting programme to provide shade and wind breaks.



Following the good winter rains of 1963, an above average year was expected. However, due to a very dry finish to the season, yields were generally below expectations, being about on a par or slightly above the previous season. The two exceptions being the Apricot harvest which was down on the previous season, due entirely to adverse weather conditions at flowering time causing a poor set of fruit in the varieties Tilton and Trevatt. The other exception being the yields of citrus fruits which, at the present time, are almost double the previous best ever harvest with about one third of the Valencias still remaining on the trees.

The total yields of the various fruits are set out below and compared with the previous season, with the exception of citrus yields which are compared with the previous best season of 1961-'62.

	1962-'63	1963-'64
Apricots	162 Bus.	134 Bus.
Pears	94 Bus.	92 Bus.
Grapes	21½ Tons. 1961-'62	25¼ Tons.
Oranges	215 Bus.	423 Bus. to date.
Grapefruit	52	51
Mandarins	18	24

A certain amount of progress has been made during the past season. Because of the high salt content of the water, and of the poor distribution patterns achieved with overhead watering, the practice of applying irrigation water under the trees, using low throw sprinklers has been adopted. It is thought that much of the credit for the increase citrus yields must be due to this change.

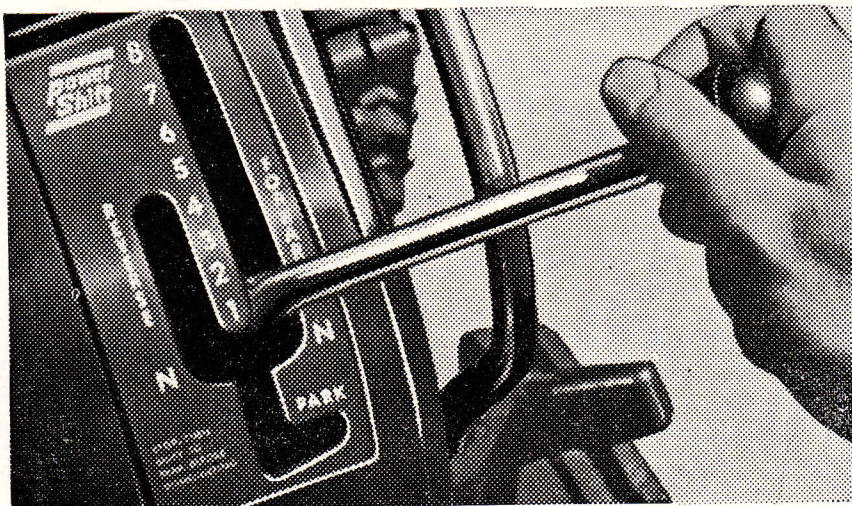
The use of chemical weedicides for the control of weed under the vines was introduced on a limited scale, and because of the success of the venture, this method of weed control will become standard practice in the irrigated vineyards.

An attempt has been made to establish a self regenerating cover crop of Barrel Medic in V. & O.H. The success of this venture has been materially aided by the unusually good spring rains. Patches of medic were left in the citrus. Next year it is hoped to irrigate up the crop, and by this means, get an early enough start to enable the medic to set seed early enough to be turned in at the normal time.

Prospects for the coming season are bright owing to the extraordinarily good spring rains. There has been a good set of Apricots and the grape harvest also promises to be a good one. It is, however, too early to assess prospects for the citrus and pome fruit.



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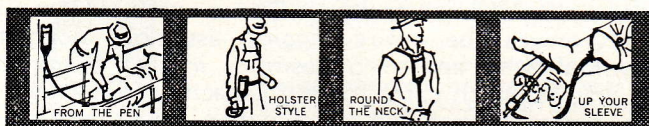
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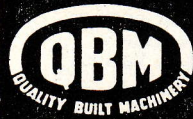


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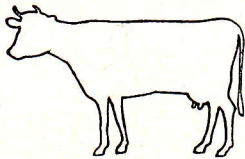


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In view of the relatively high mastitis level in the dairy herd last year, an all-out campaign against the disease commenced in December 1963, when a number of chronic cases were culled. Provision was also made for running-water washing of cows instead of the "bucket" method.

An immediate improvement resulted, and a further culling of older persistent offenders was carried out in September, 1964, when ten animals were sent to the abattoirs.

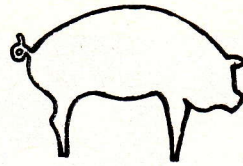
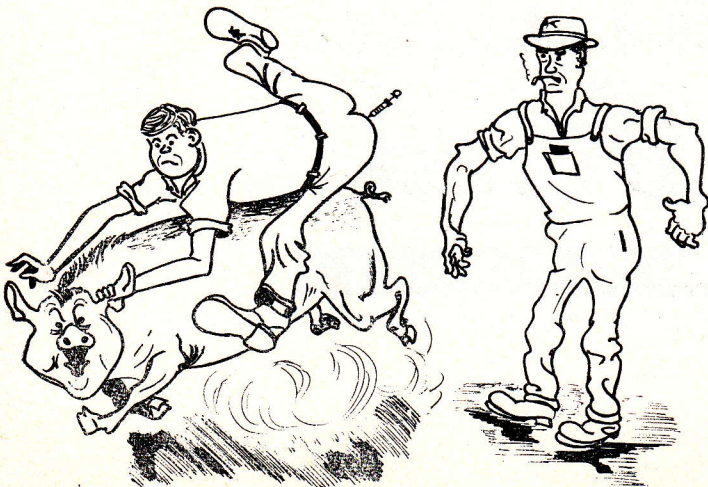
Additional improvement in milking methods and efficiency was achieved by discontinuing milking in the elevated bails.

Production results from the herd for the year are as follows:— Forty six cows completed 300 day lactations with an average yield of 6,426 lbs. milk at 5.5 % butterfat and an average total butterfat figure of 3,561 lbs.

Highest producers were Roseworthy Beaut's Happer with 9,390 lbs. milk 5.9 % test, 557 lbs. butterfat, and Roseworthy Dreaming Rancee with 11,430 lbs. milk, 4.8 % test, 552 lbs. butterfat.

The performance of heifers from artificial insemination has been disappointing and more use will be made of College reared bulls.

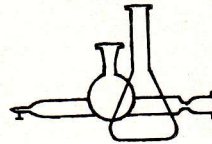
Hold the . . . er still



A high incidence of pneumonia and worm infestation necessitated some changes in policy this year. Worming, carried out systematically resulted in better general condition of the pig herd and a reduction in respiratory troubles.

One boar and two young sows were purchased at the Royal Adelaide Show in order to introduce new breeding lines and improve conformation.

Consideration is being given to the construction of a new piggery in a more convenient situation.



The vacancy caused by Mr. G. French's resignation was filled by the appointment of Mr. F. B. Hardy, who for the past fourteen years had been a member of the Veterinary staff of the Tasmanian Department of Agriculture.

The establishment of a Veterinary Clinic in connection with College Stock has become a reality with the conversion of the one time A.I. Building, which had become redundant before completion.

It now houses a post mortem room with adequate facilities for all animals, large and small; a central "Office"; and a Pharmacy, which when furnished will house the drugs etc. needed by the various animal husbandry sections.

During the Farmers' and Open Day it was used as a display gallery of "sets" of photographs of various post mortem examination techniques, and as soon as

the final titivations of furniture, electricity etc. are completed it will come into regular use.

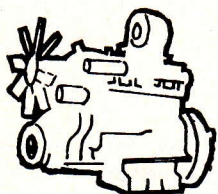
To give students, particularly the Final Year, as much practical experience as possible a roster of daily Veterinary Dressers has been inaugurated as and when possible allowing for the various calls upon the working hours of the student body.

A system of filed reports is being built up, as all deaths have to be submitted for a post mortem examination. Similarly a file of clinical cases is starting to accumulate. These are available for students to consult.

On the teaching side, the practical angle is being emphasised and in Anatomy a dissection programme throughout the session enables groups of first year students to study embalmed sheep. At present the groups have had to be rather too large, but it is anticipated that in the future it is hoped that with greater facilities this over-crowding may be avoided.

The accent is on making the students appreciate the help that they may give to, and receive from the veterinary profession rather than to turn them into "do-it-yourself" veterinarians; although the application of first-aid and emergency measures is by no means overlooked.

Integration with the other live stock sections, and the biological side is most thoroughly maintained.



"Too Academic" was the sigh that was heard when it was known that the subject "Agricultural Mathematics" was to be introduced into the Diploma Course in first year.

In taking the class in this subject, Mr. Quick is aiming at a better student proficiency in technical Agricultural problems. Also indicative of change was the re-naming of the subject "Farm Engineering", to bring it into line with the other States, and we hope, to set a pace in Agricultural Engineering for the other Colleges to follow! This year's projects include from a District Mechanisation Survey to the construction of a Solar water heater.

Added interest to the course has been provided by the following visiting lecturers and visits: Mr. D. W. Penn, of Cement Sales on "Concreting on the Farm"; Mr. G. Wallace of E.T.S.A. on "Rural Electrification", trips to Shearers of Kilkenny and C.I.G., Thebarton, the Tractor and Farm Machinery Safety film night and a demonstration by Metters of Orchard Spray Plant.

The hydraulic demonstration Unit was completed and put to use — it will illustrate centrifugal pump performance, pipe friction loss, flow over a weir, and with pumps donated by Metters Ltd., windmill pump performance also. One of these bore pumps has a glass barrel, readily illustrating how it works. Also donated to the College was a complete front end of a Holden F.E. vehicle with as new engine, by GM-Holdens, grateful acknowledgement is here recorded to these companies for their valuable contribution to our equipment display.

A new Nuttall 14" lathe permitted the removal of all the old overhead shafting and some pillars, enlarging the workshop available floor area considerably.

New benches, grinders, pneumatic equipment and seperate motorising of drill and saw bench have made this workshop really well equipped for a variety of services.

The Finlay Seeder, innovated onto three point linkage was one project completed here, this unit being developed specifically for cereal plot work.

The poultry section has been graced with a new prefab, 200 bird cage shed,

surrounds and fittings; piggery and poultry with toilets; construction of an ornamental pond and wall at the Principal's residence barbeques at the oval; and building modifications to hammer mill shed and Header shed, were the main jobs undertaken during the year.

Apart from the 3 point linkage plot seeder, the plant breeder also has at his disposal a single row (one foot cut) self-propelled plot stripper. This prototype model has proved the point, now the unit has to be modified to make it thresh and clean a good sample.

A project of some interest has been the "Surface treatment of cultivator shares". Chrome plated shares were tested with a variety of results as well as several proprietary brands, with surface treatments.



Due to the absence of Mr. R. Krause the experimental work has been reduced slightly. Mr. Krause was awarded the Farrer Memorial Research Scholarship and is spending one year of study at the Washington State University, Pullman, U.S.A.

The expanded programme commenced in 1962/63 is progressing satisfactorily, the dry area testing sites, Stow and Palmer yielding better last season than Roseworthy and Farrell Flat due to the extremely wet winter at the latter two sites.

Wheat Variety Trials (1963/4). New varieties and those commonly grown commercially throughout the State were tested at Roseworthy in three groups separated according to maturity. The early maturing group yielded highest with a mean yield of 41.2 bushels per acre, Beacon (44.7) and Raven (43.8) being the

top yielding varieties of this group. Heron (33.9) again yielded the best in the very early varieties and Sabre (22.9) was top of a very weedy midseason variety trial.

Senior Wheat Hybrids — Tested at different sites throughout the State according to their maturity. From the 1963/4 testing the following hybrids appear most promising:—

RAC 414: (Gabo x Rapier x Dundee x Kenya) x Dirk 48 — top or near top yielder at the three medium to dry sites but not suited to Farrell Flat.

It is of early maturity and good semi hard quality. Seed of this crossbred is being bulked for possible release.

RAC 662 (Sabre x Insignia 49) x (Javelin x Insignia 49). In all trials that this crossbred was tested it came top in yield, and has also been introduced to the Pure Seed Scheme for bulking ready for possible release.

Other crossbreds showing promise are RAC 456, RAC 599, RAC 386 and RAC 473.

Junior Wheat Hybrids — Approximately two hundred new hybrids were tested last season.

Oat Hybrids — The six oat trials were badly attacked by eel worm and some doubt is cast on grain and grazing results obtained. Six crossbreds are showing some promise at the moment.

Pure Seed Production — Sales of pure seed for the 1963/4 season were as follows:—

Wheat	— 2033 bags (8 varieties)
Oats	— 246 bags (1 variety)
Barley	— 14 bags (1 variety)

A further 177 bags of two oat varieties were sold but not as pure seed because of contamination with black oats.

Graduates of 1964

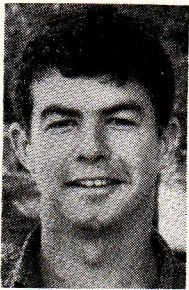


**DERRICK
ADDERLEY**

"Duke" arrived at R.A.C. from the Port via a few brief months in the E. & W.S. After the removal of dearly loved sideburns and slick-back hair do, he settled well into the active side of College life, displaying much skill at intercol tennis and "A" grade football. Not being much of a book lover, exams were an effort, but always hurdled successfully as they came.

Possibly the largest interest held for Duke is a place in Adelaide to which the Austin homes every Saturday night without fail. He likes his valuables well protected and so, last August, Duke announced his engagement.

What the future holds for Duck is anybody's guess; no doubt it will be something to do with V. & O. since he is one of the year's "happy horties".



**IAN
BIDSTRUP**

Having decided that a life at Wanbi would jeopardise his future relations with the nursing fraternity of Adelaide, "Stirrup" decided to move closer to his ambitions.

After 12 months of keen competition from "Waxy", "The Kid" finally scrambled his way into the driving seat to realize his life's calling.

A keen "A" grader this season, his performance on the field was on occasion

restricted by his Friday night escapades. However, he usually managed to fight this off ready for another lash that night.

Rumour has it that the strange sounds often to be heard from 5.00 a.m. onwards are nothing alien, but just Stirrup playing his guitar to the strains of the Country and Western Hour.

His ambition is to be a wheat cocky in the West, (limiting factor women), but will probably end up transport driving from Adelaide to Brisbane.

MURRAY BROWN

Murray Brown, oft times referred to as "The Pom" or "Touchy" originally hails from an obscure village in Leicester, England. However in 1958 he finally saw the folly of abiding in a perpetual winter climate and so set sail for Australia, where he started work as a green jackeroo on a sheep station at Balranald in New South Wales.

After four years in the bush, Murray enrolled at our hallowed institution where he has distinguished himself by his scholastic brilliance and student leadership. The latter culminated in his being elected president of the S.R.C.

Murray has also shown his versatility on the sporting field by giving up that barbaric game of rugby and playing the manly sport of Australian rules. Each Saturday afternoon his shining pate was to be seen towering above the pack in the ruck where he was a force to be reckoned with.

Like many a good worker, hard labour has taken its toll and Murray's receding hair line is becoming more evident as time goes by. However Murray, although showing his years, has not yet gone in the mouth as is exhibited by his ability at the supper table on the night of the College Ball.

The future of "Touchy" lies in management, one of the fields for which he shows great aptitude.

RICHARD CAMPBELL

"Speed" hails from Adelaide and St. Peters, so was early accepted as the Social leader of the year and has continued to hold a commanding lead in this field.



An elegant Casanova from the start, his nick-name came from his success with the fairer sex rather than the performance of the Morris. A lover of the outback and beer, he has always added sparkle to the year, even when the whole world is against him. "Speed" has always been consistent in the sporting field, spending most of his football career in the "A" grade. He has also been active in the athletic field.

Scholastically bright, but with a natural aptitude for doing little work and passing well, he has capped a successful stay at College with being a Councilman in the S.R.C.

"Speed" is one of the few members of the year who knows what he wants to do in the future. Mutooroo is believed to be his destination although we will be surprised if he does not end up at Coolton.

GEOFF CROME

"Sid" came to us from Victoria and Melbourne with a background of Scotch College and two years of pharmacy. He has been one of the most outspoken members of the year and consequently has never been very popular with the authorities. However he did not expect his frankness to be rewarded with a scrub clearing stint. Being a great one for economy, Geoff's female interests have centred on the College and we are all convinced he has met his match.

"Sid" has never been very angelic on his feet but has supported B grade football with some creditable and very verbal ruck play through his three years. He also became a particularly ferocious goalie in water polo and is a great all round College man.

With the ability to top the year and the inclination never to do so Geoff still does consistently well in exams. His future is in the air, except for a desire to return to that odd state south of N.S.W.

JOHN EYRE

"Phantom," who comes from Barmera, came straight to R.A.C. from Glossop High.

As so often happens, "Phantom's" real character quickly came out and he was

soon established as the year's humourist. With Bruce in first year and later Errol Flynn, this combination managed to provide some of the most amusing incidents of our stay at College. Never short of a joke, some of his running commentaries on television commercials are classics.

John has always been an energetic "B" grade footballer and his bony construction makes him a very unpleasant obstacle to hit on the football field, and there are quite a few people who will vouch for it too.

John has been pretty successful in his exams, or else he would not still be here. One blot on an otherwise successful record is that he is a specialist "Fruity" — maybe that is the reason for Ron Pope's present miserable countenance down at Horticulture. Although he has nothing definite planned for the future I can imagine the sort of advice he will be giving fruit growers on the Murray. Heaven help the fruit industry.



**BRUCE
FARQUHAR**

He came to us from Scotsdale High — Yes and we have to admit it — Tasmania.

In the first month he would probably have rated as the quietest and most innocent of first years — rivalled only by Tom Green.

This only lasted for a very short time as he quickly became the top soapbox orator on Tasmania. While never glib enough to have a steady, he is recognized as one of the fastest operators in the game.

Not one to tangle with the authorities, his Tasmanian ire was so aroused recently that his persuasive tongue almost managed to get him a holiday. An ardent member of the Rifle Club who while never enjoying much success in competition,



has given much time and energy to the sport and this is typical of his attitude right through College.

While his future is still uncertain his interests lie in the vegetable seed business, but could quite competently talk himself into any sort of a job.



**RICHARD
FEWSTER**

A "River Rat", "Flip" hails from Renmark and that centre of learning, Renmark High.

While definitely one of the quieter members of the year when at College, he apparently makes up for this once he leaves College, with numerous trips to Adelaide, home and a certain scooter shop. However, he is too shrewd to let us in on his undoubtedly scurrilous past. While never an active participant in sports, he has always done his share of supporting and is always active with his camera round the college.

He is one of that odd group "The Fruities", who spend much of the time making Nick Hutchin's hard job at Horticulture even harder. While never an outstanding scholar he seems to get through his exams and is notably successful in outside work.

While often learnedly discussing racing cars, he has never managed to trundle the old Amil Car down to College; maybe because he is too busy mending "Baby Austins".

His future escapades we feel will be based from Renmark.

JOHN FLYNN

"Erroll" was a "eunic" who saw the light and joined us at the beginning of second year. His activities and circle of friends broadened out considerable when in the second session he acquired Gerty, a '55 FJ on the proceeds of illicit chalky wages. He received notoriety after a party when in a somewhat joyful state he mistook the top branch of a tall tree for a gentleman's convenience. His main activity is sleeping which he practices diligently during lectures and study periods. He played "A" football on Saturdays so that he would have an umpire to run down on Sundays. In the summer he turned his hand to tennis and cricket with some degree of success. "Errol" is an inveterate nurse chaser, a habit he is thought to have acquired during his early life at Bordertown. He will, no doubt, toss in teaching and take on water buffalo breaking in the far North, a vocation for which he will find his bandy legs eminently suitable.



PETER FORD

Although we saw and heard plenty of this gentleman when we were in first year, it was not until second year we came to know him. A direct entrant into 2nd year, he spent so much time making life miserable for us innocent first years, that he required a further year to pass 2nd year and so has since been a member of our year. The noise of the hot Consul always given us ample warning of his return to College and his ability as a driver has made him driver of the E.F.S. unit. Never a one to notice the 15 m.p.h. speed limit, he has always cleverly avoided trouble from the authorities; how he has done this we really don't know.

"Foxy" has been a member of the intercol rifle team for the last two years—and what went on on the trip to Sydney we have never really found out. His nickname is very apt.

His natural ability with stock and particularly with horses seems to point to a successful future but he is pretty cagey about what he really wants to do. Perhaps he will legalise his driving speed by



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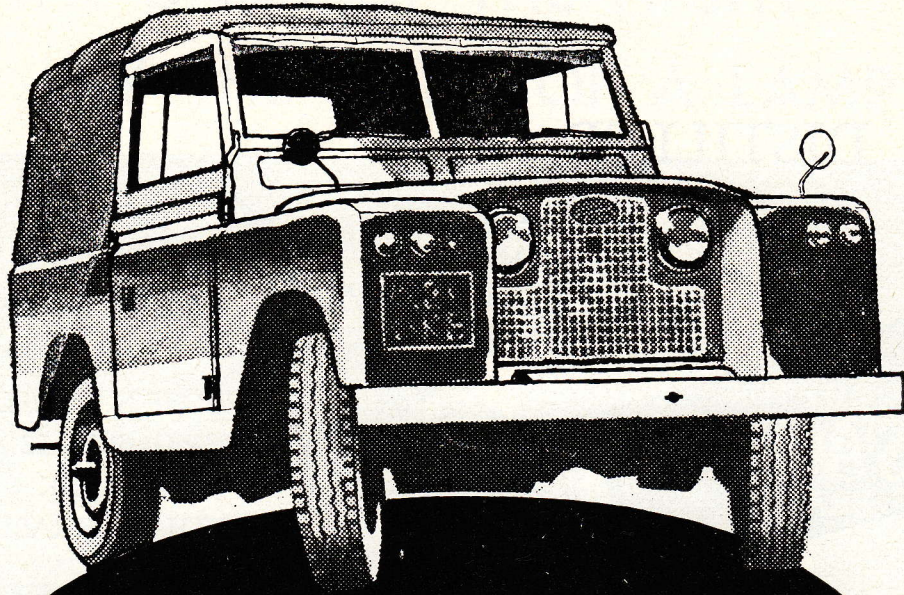
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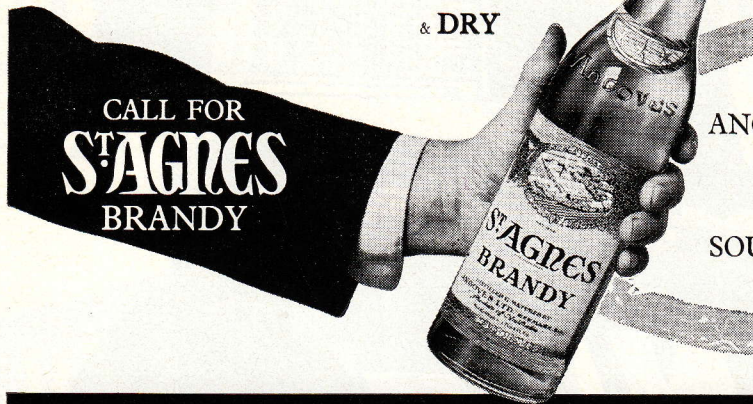
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STEVE GEE

Steve came to us from Melbourne after being variously educated at King's College, Sydney, Warrigo and Daptoe.

During his stay at College he has been a tower of strength; this 6'2" 200 lb. giant has quitted many a rebellious spirit, "Bruce," "Phantom" and "Errol" would, no doubt, be the first to agree with this. Steve is a natural sportsman, having a blue in Athletics. He toppled the mighty Max Seppelt last year to become Champion Athlete. We were all the losers when he could not play football this year as he is undoubtedly the top ruckman in the college. Steve has been one of the steady-ing, influences in the year and we have much to thank him for in our progress through College. While he has never been at the forefront in our social functions, he is certainly the best matchmaker and partner-getter in third year.

With real ability in all work pertaining to the farm he will no doubt make a success of his job down Bordertown way.

TOM GREEN

Tom came to College straight from Urrbrae Agricultural High School. He was quite the quietest member of the year but really didn't have much chance of staying that way living in the same room as "Chilla" Kimpton, "Reddish" Nairne, "Blue" Holder and "Speed" Campbell. In fact, within a very short time he had a very enviable record of troubles, strifes and fights. The word "Trouble" and "Tom" are synonymous. Actually, he still remained one of the quietest spoken men and although never parading his success with the ladies, he was sighted hurrying away with his lady friend at the show.

That grey car of dubious vintage comes and goes pretty regularly and never a prang.

While never persuaded to use his 6'7" at football Tom has had success as a member of the intercol rifle team. He has been one of the small group of lucky students who can get away with doing almost no work at all and yet having good results — Poultry is Tom's speciality.

Although his future is not definite, his endless drooling over the relative merits of Poli Herefords will lead us to expect his lank frame to bob up in this field some day.

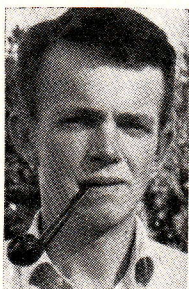


**BRIAN
HILL**

Maitland area School delivered its problem pupil in our lap in first year and there have been times when the authorities have no doubt wished they could have avoided the doubtful honour.

Being an ardent supporter of his home Yorke Peninsula Barley Industry, "Curl" has not only shown us his enthusiasm for it in words, but also in its doubtful end product. Never being one to abide by College rules his stay has been sometimes precarious, but it looks as if he might surprise everyone and complete the course. Curl has always been in the forefront in sport, he captained the football "B" grade in 2nd year but played in "A" grade during third year. Handicap Hop-step-jump is another of his specialities while also playing a very competent game of water polo.

"Curl" intends to do a trip around Australia with Neil Stanley but we are not sure how far they will get — I believe a certain pub in Balranald holds definite attractions. When he settles down it is odds on that Yorke Peninsula will claim him.



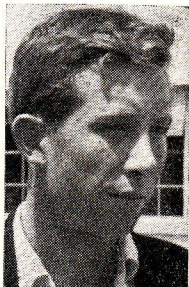
STEVE HOGG

Steve came to R.A.C. from Urrbrae High School by courtesy of G.M.H.

We have it on good authority that smoking Dr. Pat at the age of 6 has nothing to do with his diminutive size. However the College is continually amazed at his capacity to smoke; particularly the apparently satisfying drawback before staggering down to dairy. While Steve has always been quiet on the Social front, in vain has he tried to live down his reputation acquired at Sydney during last year's intercol. Steve was Captain of the Rifle Club, again representing the College at intercol this year.

While Steve is always worrying about exam work, the last fortnight prior to exams is usually the only time study catches up. It then becomes a continuous round the clock rush for him.

While he has had difficulty refusing the endless offers from G.M.H. we believe he is to continue with an agricultural career (with ideas of perhaps finishing up in New Guinea).



KEITH HOLDER

Mr. Holder, from Kenya, has won praise as being the daggiest member of the year. Nick-named "Blue" or "The Boong", he was a new chum when he entered first year and spent most of the year chasing "parkies" around the mallee sandhills. Graduating from this in 2nd

and 3rd year he has joined the ranks of married men in the year and has constantly been the target for much slander because of this.

Though a good natured lad and a good S.R.C., "Blue" has a habit of getting things all mixed up and either arrives late, or early at the wrong place.

A contender for 2nd place in the prangers trophy, "Boong's" A 40 bears the scars and red paint from many a fray, and although still on the road burns more oil than petrol — record run was 8 pints from college to Smithfield.

A good all round sportsman, "Blue" played A grade football, tennis and sundry other sports. A competent drinker and smoker he naturally enjoyed this year's show but spent most nights out getting his photo taken at dinners, etc.

We don't know what "Blue" will do— probably buy an island in the Pacific and raise granadillas.

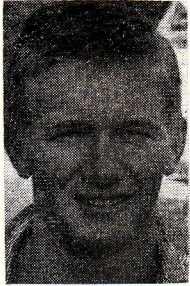
JIM LAFFER

Jim came to us from Scotch but could never be called one of the Social kind.

James has been inspired at various times in his career to:— incite strikers; to do something about the state of affairs; to take a trip home for a while, and design square pattern sprinklers. A "Bulletin" Radical, Jim has kept the S.R.C. busy in frequent legal actions. Murray does not get his title of Attorney General for nothing. His driving his car and his ability to stay at College have all been remarkable. Who other than James would do "Wheelies" at Gepps Cross. Jim has always been a very keen member of the rifle club, travelling to Sydney last year for intercol. Unfortunately an argument between the car, pub and the authorities prevented him from competing at intercol this year.

Although having no definite ideas for the future, we would not be surprised at anything he decided to do.





WILLIAM MCGOWN

"Mac" has never been perturbed by the dual stigma of coming from Tasmania and Hobart Tech., and has carried out for himself quite a reputation. One of the wildest members of 1st year, he collected for himself a doubtful string of conquests in Gawler and Adelaide and a habit of sleeping on Adelaide Railway Station. Second and Third years have seen a remarkable change to the non-drinking angel of the year — his recent engagement of course has had nothing to do with it "Mac" has been pretty successful scholastically and we are all expecting him to do well in the finals this year.

He has been a consistent all round performer at sport and was a very reliable defender in "A" grade football this year. Also he found time to be:— gym leader, star water polo player, custodian of the swimming pool and a diver of some note.

Dairying in Southern Tasmania has him quite interested, however the payment of £76 a gallon for city milk has set him thinking again.

We all wish Bill and Liz a happy future in that small appendage state down-under.

NEIL STANLEY

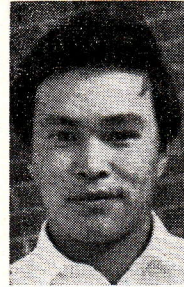
"Seal" is another Urrbrae educated member of the year. He gained entry to College via a scholarship and during his stay has shown his skills are not limited only to study.

A footballer of note he was "B" grade captain this year but his greatest achievement at College was his being recognized as the best car pranger, though at one stage he went a whole two months without so much as a dent in the trusty now armour-plated "mudguard".

"Charles" or "Climber" as he is known to his more intimate friends is currently "gun" in the shearing shed and the big noise behind the organization of 3rd year shearing this year. An ardent supporter of the barley industry and an admirer of the fairer sex, "Seal" was the obvious choice to represent the College (no not in the stud ram section) in the poll Short-horn section of the Adelaide show which he did to the best of his "capacity".



Off around Australia with "Curl" next year we can expect to follow his journey through each state over the police news.



SOO FOOK NGUN ("Chopper")—

Malayan Student

The Chinese man entered RAC under probation from the Quarantine Island of Tasmania at which he had spent the previous two years. After completing one year he found it necessary to fit a reconditioned ticker and took 12 months off to re-cooperate. Re-entering RAC with renewed vigour required a few adjustments and he noticed that his substitute for jungle juice produced a glowing effect which shined out on many an educational tour. With his ability to skip through exams the little man enjoyed many care-free hours in front of the T.V. set and intimidating people in the boxing ring. A staunch supporter of the College, he has burrowed his way neatly through the "B" grade football and has taken a keen interest in cricket. He aims to become an executive in the rubber industry on the homeland. However we are afraid that the Tungku has a pair of jungle boots about his size.



BERNARD SWABY

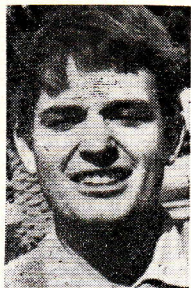
Bernie is another of the "Scotch" brethren who plague us from time to time. He has always been an active participant in all the year's activities. Many of the

year's events have been recorded with his industrious camera.

There has been nothing but admiration for Bernie when he gets working at the College Social functions and can he move. Maybe it is one of the times when he wishes his red hair did not make him so conspicuous.

While never being very successful on the sporting field, he is a great trier, is a member of the rifle club and an energetic shot-putter. A great "ideas" man if you are ever short of something to do, Bernie will expand his latest Agricultural Economic saving at short notice.

His future is in the air at the moment, but it looks as if he is condemning himself to life as a "fruity"-poor fellow. However if the project is anything to judge by, Darlington Point and the Colleambly Irrigation Scheme in N.S.W. may be honoured by his presence.



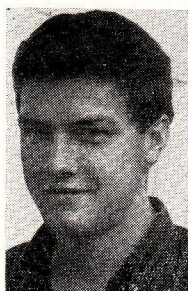
**JAMES
TOWNSEND**

"Possum" sauntered into College from "Castelford", Waikerie, after completing his secondary education at Scotch College.

His 3 years at R.A.C. have been very successful, both socially and educationally. Able to pass exams with little effort, "Poss" has always managed to keep near the top of the year though he will insist before exams he knows nothing. Extra curricula activities include chasing the "dragons" (not with the same intentions as St. George), navigating and exploding theories on the "faithful" Renault, and chasing off "Foxy" and "Stirrup" by putting the jam on a bit thick.

A keen sportsman and a constant trier, he was a "B" grade footballer this season and a waterpolo player last season and has a dab at most sports whilst at College.

On graduating, "Mr. T." hopes to return to Waikerie and establish a piggery, with as little effort as possible, then after a few years retire and let the "peasants" do the work as he tours the country in a sports car.



**WILLIAM
TURNER**

After quite an eventful life at Scotch College, Bill decided that he'd follow in the family's tradition and took to Agriculture at Urrbrae. He wasn't noticed much in his first year at RAC, most of his time was spent pursuing the sights at Tea Tree Gully. Second year was similar but he changed his location to the Heights of Crafers.

"T's" later college life has been a very colourful one. If he wasn't concerned with the dark haired beauties in Adelaide he'd inevitably be "rolling" or "blowing up" the family's Volky. Then again if it wasn't the season for that kind of thing he'd be found participating in downing browns.

Scholastically he's brilliant but he could never find time between sleeping it off and visiting Adelaide to prove this. However his exam results show great potential.

Being a golfing enthusiast he helped greatly to improve the College's nine hole course. Otherwise his sporting life has been a quiet one.

Rumour has it that he's planning to join the Waite Institute but I'm sure this isn't for reasons allied to Agriculture.



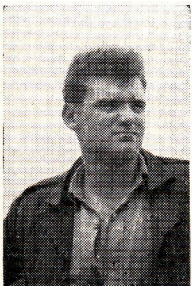
IAN WATT

Another of the unfortunates that pass through Urrbrae, Ian has been one of the most entertaining members of the year. He always maintains that he is merely "pleasantly plump" despite the frequent cracks about his size and weight.

His flair for organizing everything from the Football Club to other people's night lives has often shown itself; and we still wonder how he always happens to be driving one College vehicle or another.

Although "Wax" is no great athlete, he makes up for any lack in ability with a good pair of lungs which urges any College team on to victory. He has brought "relief" to many footballers lying in agony, with a damp towel and bottle of liniment as a trainer; then graduated to Secretary of the Football Club this year.

The purchase of a clapped-out FJ and the prospect of taking on the Sheep Cadet position at College next year means that RAC has not seen the last of Ian; although he may spend somewhat less time in College next year.



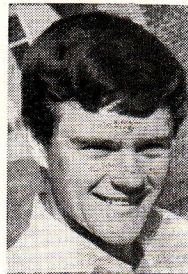
IAN WILLIAMS

"Luddy" thought better of being a weeds officer and came back to spend 2nd session with us this year. Having been out in the wide wonderful world for six months or so, he found it hard to adjust again to College life, but has now settled in well and aims to do nothing but study.

Another of the "little round boys" of the year, "Little Willie" claims he is only pleasantly plump — well. Anyway the

in that regard which amazes most of us. girls must like it as he seems to do alright

On completing the course this year, Ian is thinking of doing accountancy. Whether he will or not nobody knows. If he applied himself to it as much as he applies himself to hockey he couldn't miss.



PETER WINTER

Pete arrived at College via Adelaide Boys High although he had been here during Scholarship week. This latter period cleared up any mistaken ideas he had about unorthodox dress.

"P.3" has had a particularly active three years but this has been eclipsed by his weekend activity down in Adelaide. Never without a girl friend for a week during the whole three years, his Chairmanship of the Social Committee enabled him to appear in the Social Pages with monotonous regularity. Decorations at social functions have been a tribute to his inventiveness, even if the Ball theme "Blackboard Jungle" was not quite what was expected.

Pete has been one of the prominent sportsmen of the year, his Captainship of "A" grade football was unfortunately marred by a cartilage operation. He is also very active in the athletic and cricket fields. Although we can see him putting three sports aside for awhile to concentrate on the final exams, there is not a chance in the world that "the girls" will suffer the same fate.

Peter is not sure what he is going to do in the future but possibly the Department might claim another victim.



RINGO

Ringo is the first person accorded the honour of being a direct entrant to third year, a fact which is truly remarkable when you consider that he was only two weeks old at the time.

At first he was subjected to considerable razing and was initiated with a hair cut which only added to his rugged good looks. Ringo was taken under P.B.'s sheltering wing and given his own sand-

tray. At first he was unconcerned about where and when he paid his visits and this coupled with a laxative diet had devastating results.

To preserve Ringo's lovely soprano voice and the low cat population of the College he was delivered into the capable hands of Doctor Laffer who thrives on operations of this nature.

Ringo soon became firm friends with Ted George whom he found fed him at regular intervals, and has never looked back. He also has made friends with Dungy Youngy, a 2nd year, who has a wide bed and apparently immunity to fleas.

Ed. Because he is a lazy, useless, flea-ridden, unaffectionate, smelly cat, Ringo has well earned his place in the year.

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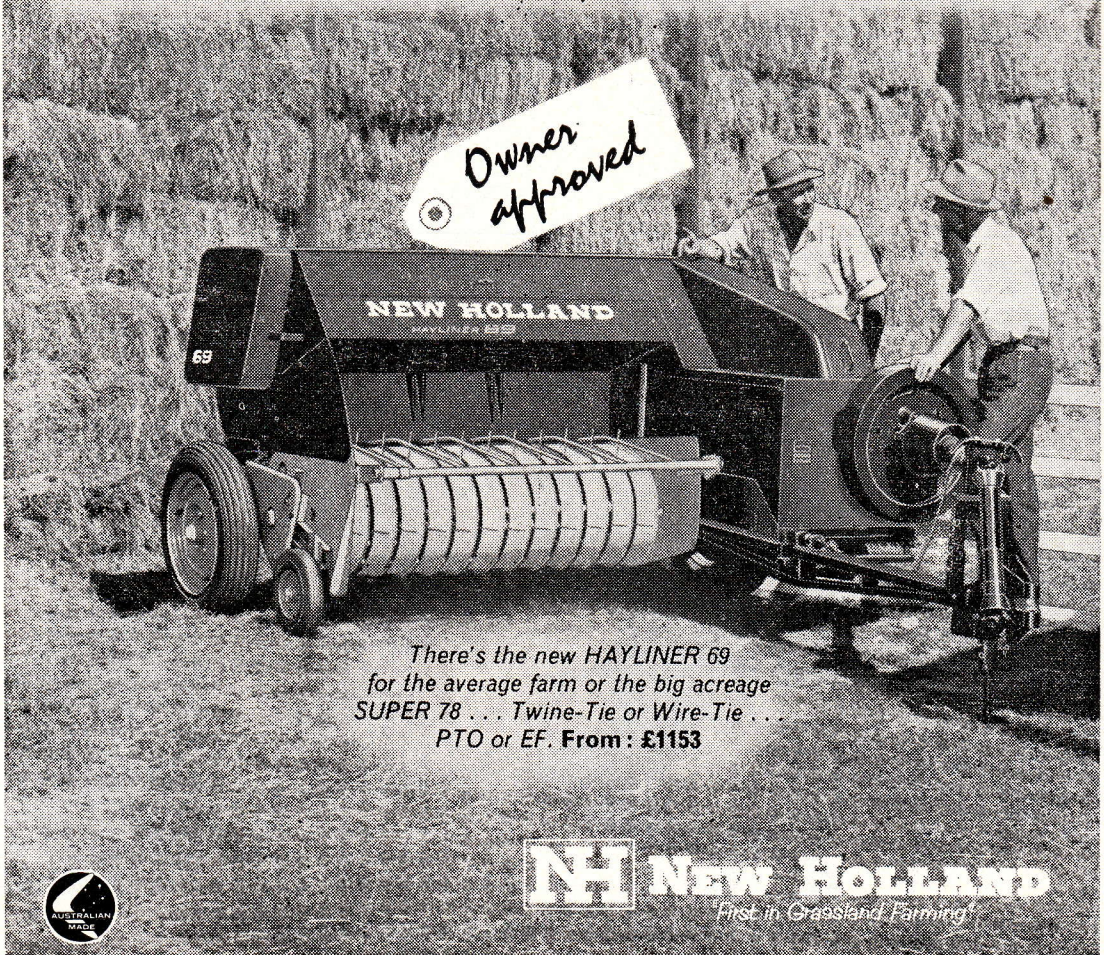
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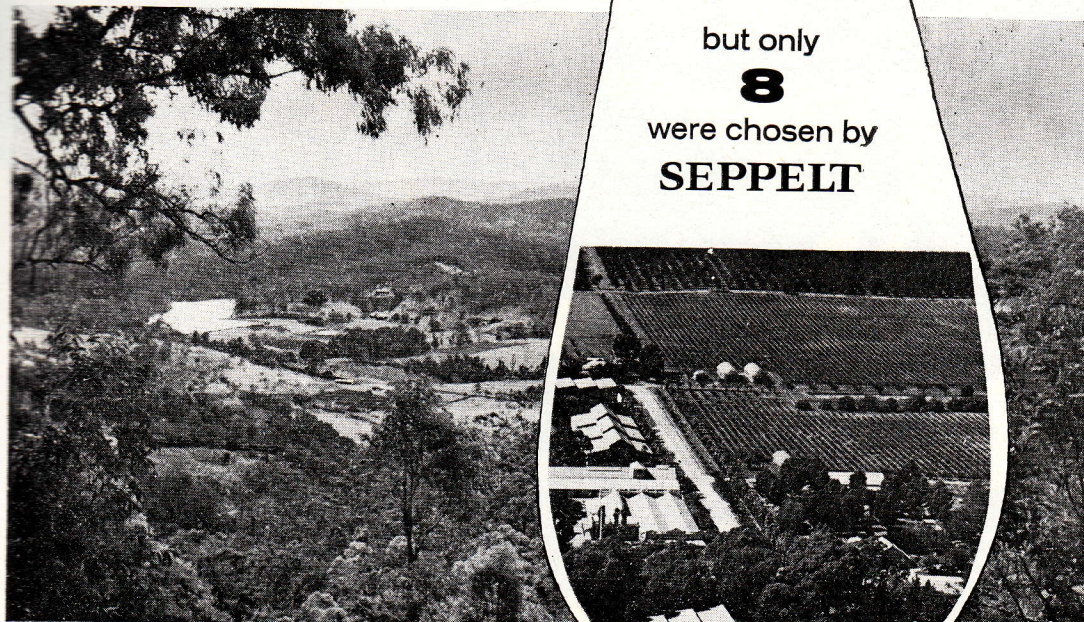


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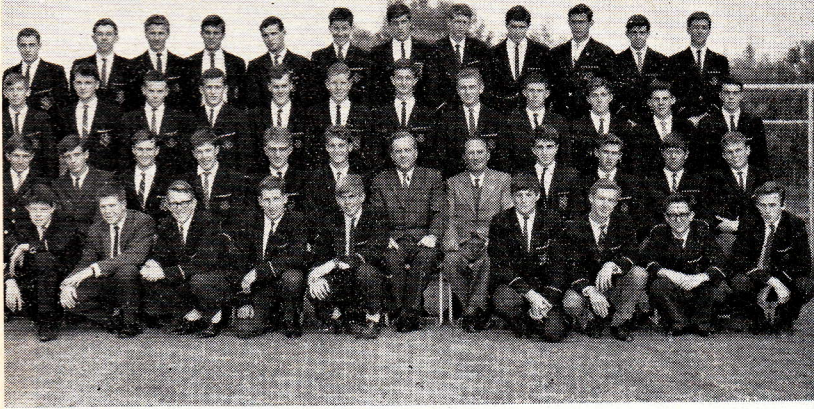
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1st Year (Left to Right):

Front Row: T. Clancy, W. Greenfield, R. Miller, P. Gourlay, I. Anderson, P. McClintock, M. Cooper, C. Gaitskell, C. McGowan.

Second Row: D. Cooper, M. Freeman, J. Curlew, J. Lawton, I. Pickett, Mr. Herriott (Principal), Mr. Hiddle (Housemaster), W. Piercy, K. Westbrook, G. Pfeiler, J. O'Connell.

Third Row: T. Lewis, I. Western, C. Cooney, R. Clements, T. Twigden, H. Osman, W. Hatherly, J. Klingberg, R. Osborne, P. Wright, B. Wigney.

Back Row: R. Stacey, A. Doube, D. Oldfield, K. Pattinson, T. Young, D. Pannach, W. Ward, R. Wake, P. Humphris, W. Mercken, schlager, K. Keain, A. Hoey.

First year

Soon after our arrival, the education of what we will and will not do, began. The list seemed endless, but we quickly learnt under the guidance of well-drilled and exacting masters (official and otherwise).

After settling down we soon joined into the spirit of things. Invitations to senior quarters as guest speakers declined, as a more familiar basis was adopted for the Steeplechase. The First Years (in true sporting spirit) allowed a "Plonky" to win (another to bring up our tail-end). However, we did obtain second and third places.

In Rifles, Andrew Doube and Joe Cooney distinguished themselves. We were fortunate to have some shoots against University, thus being able to replenish our ammo supplies. In football, Keith Pattinson was the most consistent best player; Ross Clements was Trainer, whom I need hardly add has had wide experience in the Continent.

Jeff Pfeiler was best tennis player in Intercol, for which he won a prize.

Osborne and Gourlay also helped us to be runners-up in Intercol tennis. This year an Athletics Club was started, and we have high hopes of obtaining the Shield.

Max Merckenschlager was S.R.C. representative for the first session, and did an excellent job. Having had some experience in banking, he was well equipped for the job in such instances as writing cheques for our Chronicle subscriptions and collecting telephone money. No doubt banking also taught him to put up with complaints which he got when collecting the money. John Curlew, from W.A., ex United States, has taken over from Max, who found the position to be interfering with his study and so declined when asked to be re-elected.

Cold shower demonstrations, pillow fights and singing "Happy Birthday" once or twice in the dining room resulted in our being invited to stay a few extra weekends at the College. Someone must think we are not settling down to work for the exams. Even so, we do not deny it, but we resent the hint we are leaving the work for tomorrow; we made enough mistakes today.

As exams draw nearer we are thinking more about our work (and doing less). We have struggled to get this far in qualifications, so we all hope to struggle to second year.

Second year

Of the 44 who bravely started in 1963, three decided they couldn't "get to like this grand old place" before Christmas, one was culled as result of "Sandy's" brilliant under-bed detective work, and 16 were culled by examination difficulties. Perhaps not by the approval of the remainder, two "unix" swelled our ranks to 26 at the start of first session.

Interest at R.A.C. saw "Sheriff" in the rifle team, "O'Doodle" in the tennis team and two second years took "A" and "B" grade football "best and fairest" awards.

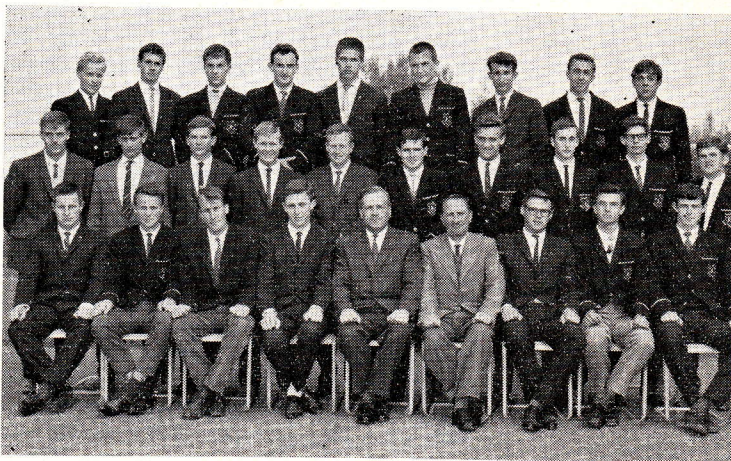
The car park has swelled remarkably with the purchase of many means of transport such as "the valiant," "shadrack," "Fred," "the old chev," some "prestige English Austins" and many vintage souvenirs. Most of the year went on a fluid diet at the Royal Show even though "Snake" employed a residential cook and "Baldy" just couldn't manage to keep the women at bay, even though he tried several methods.

Horticulturally the River Trip was an outstanding success and a great deal learned by all. "Bubbles" proved his worth as a "dry land" sculler even though the resultant upsurge posed some problems.

The change from the "a la custarde" ration proved too much for "Tomo," who suffered disastrous consequences.

Early in the year "Clackers" brought "Belinda" into the limelight by having him search high and low for sky hook to throw a cow, while "Brenty" tried unsuccessfully to cultivate a paddock with the scarifier drawbar pin removed. Many second years in a valiant attempt to save Max from doom kindly "volunteered" to sweep clean the R.A.C. "caravan park." All of us were very privileged to be warned not to enter the first year "castles" for fear of ending up in trouble with the "dragon" belching smoke.

Over all the year has proved to be most interesting, educational and satisfying, and we all look forward to taking our places in the third year ranks in 1965.



2nd Year (Left to Right):

Front Row: P. Cocker, C. O'Donnell, J. Herriot, J. Gill, Mr. Herriot (Princ.), Mr. Hiddle (Housemaster), J. Hughes, J. Cawthorne, P. Mannion.
Middle Row: R. Baldwin, B. Shepherd, B. Lawes, M. Clarke, M. Kuerschner, G. Young, R. Sampson, B. Spry, R. Liebich, L. Thyer.
Back Row: B. Baker, D. Ransom, L. Snell, K. Cowley, A. Smith, D. Kidd, N. Mitchell, B. Thomas, D. Kleeman.

Third year

As third years, we can, I feel, look back over an eventful, enjoyable and certainly educational stay at the College.

Predictably, the way has not been entirely smooth, but this has managed only to draw us more closely together and to consolidate friendships formed early in our course.

We have the usual sprinkling of outstanding sportsmen, detached intellectuals, and even an advocate of Red

China's right to a seat in the United Nations. Throughout our years at Roseworthy we have had members in both the "A" and "B" grade football teams, Inter-col tennis and rifles and also both "A" and "B" grade cricket and water polo. As far as football goes, we have been doomed to a series of disappointments, having three times been narrowly beaten for the premiership in the "B" grade and never quite making it in "A" grade, although looking dangerous all the season. It is regrettable that the elected captain of "A" grade, Peter Winter, injured himself seriously in the first match and was unable to resume playing until late in the season.

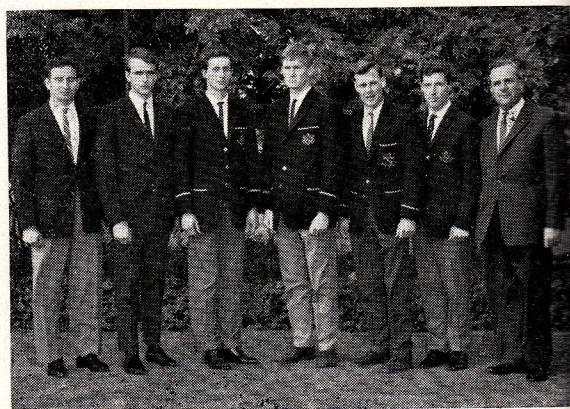
Our members in the Tennis Club have performed creditably throughout the three years, while on the rifles front, all connected with the sport at College owe a vote of thanks to Steve Hogg for the way in which he boosted interest with unflagging enthusiasm and with solid leadership over the last year.

Out of an original 45 only 24 now remain, and we regret the loss of John Sorrell, Owen Lamshed, Leigh Thomas and Bob Connor early this year.

I think that I can say without fear of contradiction that we have passed through the College at a difficult time, a time in which the very policy of the College has undergone change to gear itself to the more technical pursuit of modern agriculture. I think that the wishes of students both past and present, and indeed all connected with the College, are crystallised in this quotation from a recent "Student" editorial:

"Let us take the responsibility upon ourselves for our behaviour—our dress, our leave, our study period and a host of other things, and prove that this College is a place for young men, not a school for unruly, shallow-thinking adolescents."

Oenology



Oenology Students (Left to Right):

P. Klose, B. Ellam, G. Cooke, T. Knappstein, W. Thomas, P. Wall, Mr. Herriot (Princ.).

Early May saw six aspirant Oenologists join the fray and quickly align themselves with traditional "plonky spirit" but in a reserved manner since all are "first years." To their dismay a series of intra and international lecturers of organic chemistry proved that this spirit was nothing but a carbinol. However, despite this apparent cynicism, they are still keenly jumping "strategic hurdles."

Although as a whole the group has not shown any meritorious sporting activity, we were able to boast the feat of filling both the first and last placing in the annual "steeplechase." Guiding the "plonkies" along their course are Messrs. Guy, Gerrard and Leske, and it is hoped that with such a formidable crew of lecturers the worth of the Oenology Section will glimmer through at exam time.

As in previous years, the "plonky" group has continued its regular trips to local wineries, and it is here that the individual members shine each in his own particular field. It transpires that Knapp-

stein is a licensed vendor of Stanley wines. "Cooky," the black sheep of the group, is equally as successful in breaking the reserve of the debonair Ellam, who tries to further Australian appreciation of English reserve. Thomas and Klose have been appointed public relations officers, and shortly the results of their efforts should be seen both in the industry and college. Wall, the last member, considers himself "bone lazy," but in between flustering winemakers with yachting jargon and criticising lecturers' notes he is quite a formidable character.

Next year, when they become "senior" students, may see this revolutionary group with no "old" R.D.A. scholars, its married members and seasoned winemakers, blossom into a group which will continue to make history in the Oenology course at the College.

Staff

This year has seen so many changes on the staff that there is hardly room to chronicle them all. Three members of the academic staff left during the year, but their places were soon taken. Those to leave were Mr. French (the Veterinary Officer), Mr. D. Heaton-Harris (Research Officer) and Mr. G. Norman (Assistant Dairy Instructor).

Mr. French, since leaving us, has gone into private practice, and his place has been filled by the curved pipe and kilt of Mr. F. Hardy, who has come from Tasmania and originally Scotland. Mr. Heaton-Harris has left for Sydney to do research. However, the numbers at the A.P. Lab. remain constant, as Mr. C. Bungey has taken the post of Senior Lecturer in Animal Husbandry. Mr. Bungey earned a degree of Bachelor of Rural Science at the New England University, N.S.W. while a Department of Agriculture cadet. He served as a Livestock Officer advising on Merino sheep before coming to the College.

The dairy section has seen a complete change of staff now. Mr. Norman, after seven years at the College, during which he was the popular cricket manager, has shifted to Tasmania, where he is doing the type of work previously done by our new Instructor in Dairying, Mr. A. Chartier. Mr. Chartier was the Assistant Dairy Instructor at the College from 1953-55 and has been at Smithton in Tasmania since then. Mr. H. Trotter, who was at Longerenong, is now Mr. Chartier's assistant. In the Chemistry Laboratory, Mr. D. Parry is now the Chemist. He came from the Education Department in Victoria and has not been allowed to put away his football boots by the team. Mr. B. Gerrard came from England to buy a veteran car and to become a biochemist.

Barry Driesner accepted a cadetship in Civil Engineering, and is replaced by Rodney Gibbs, who also spends his working time studying.

Domestically, Nick Hutchins married Miss Rosemary Gosse-Hay and will shortly be moving on to the College. Mrs. Ford has set the trend amongst the newlyweds and now has a lovely daughter, while the Leske family number five with the arrival of Peter. The office has maintained its status quo with the marriage of Miss Weaves the acquisition of the pleasant personage of Miss Christine Hobbs to bolster the morale of Miss Wendy Simpson, recently engaged.

Intercol 1964

The Australian Agricultural Colleges Inter-Collegiate Sports were held at Roseworthy this year, and despite inclement weather over most of the period, they proved to be a great success.

The visitors from Gatton (Qld.), Wagga (N.S.W.), Hawkesbury (N.S.W.), Dookie (Vic.) and Longerenong (Vic.) arrived on Sunday, 9th August, with 12 members in each team, and the senior S.R.C.'s who along with the Roseworthy S.R.C.'s enjoyed a rather hectic but relaxing holiday.

Rifles and tennis practice commenced on the Monday, and tennis matches started on the Tuesday afternoon with Gatton, Roseworthy and Hawkesbury starting well. Gatton and Roseworthy went on to dominate the series with Gatton defeating Roseworthy in the final match 3 rubbers to 1.

Final results showed Gatton 5 matches won, Roseworthy 4, Hawkesbury 3, Dookie 2, Longerenong 1, and Wagga 0.

A very good effort by Roseworthy represented by R. Ford, D. Adderley (Capt.), C. O'Donnell, G. Pfeiler, P. Gourlay and R. Osborne considering that in the two previous years Roseworthy emerged second to bottom. Special mention to G. Pfeiler, who remained undefeated in the singles throughout the series.

The Roseworthy rifle team started with high hopes this year after only losing the shield in the two previous years on count-backs to Hawkesbury 1963 and Longerenong 1962. However, whether due to over-training or nervous tension, Roseworthy didn't fare so well in the very windy conditions, and the honour went to Dookie, who shot consistently well. Out of a possible 630 points, Dookie shot 560, Hawkesbury 550, Wagga 548, Longerenong 546, Roseworthy 541, and Gatton 535. The Roseworthy team, ably led by S. Hogg, consisted of N. Hutchins (Manager), S. Hogg (Capt.), P. Ford, T. Green, B. Lawes, A. Doube and C. Cooney.

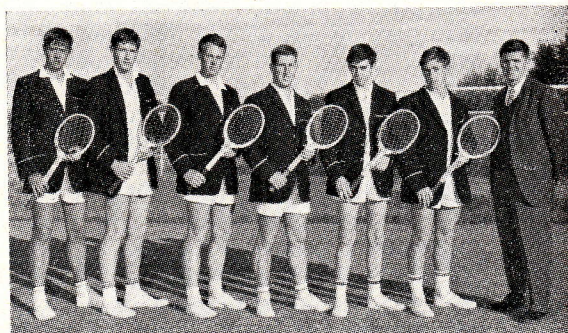
Congratulations to all teams for an excellent display of sportsmanship and especially to Gatton and Dookie on their wins.

The social life of the week included minor competitions in billiards and table tennis, with honours going to Gatton (snooker), Hawkesbury (billiards), and in table tennis to Dookie and Roseworthy. On Thursday night a formal dinner and presentation of prizes was held, followed by an informal dance in the grader shed. Fortunately, we were well supported by the Adelaide hospitals, and in between supporting the barley industry and guided tours around the College by moonlight, the dance was a great success and thoroughly enjoyed by all.

Unfortunately, the Wagga members over-indulged somewhat and ensuing penalties rather dulled the final day, which included a trip to Newbold Ltd., where a very interesting talk and demonstration on Dorset was given by Mr. Jack Reddin. After Newbold the party headed for Seppeltsfield for a barbecue lunch with ample refreshments supplied by the winery. A brief look around the winery followed by a visit to South Para Reservoir concluded the trip and terminated intercol.

Besides the matching of sporting skills intercol has a very real value in getting to know the other colleges (mostly disadvantaged) and of different types of agriculture with the end results being more unity between the colleges.

In these respects the Intercol of 1964 proved to be a very great success and in finding tribute to those competing and to the work and time put into it by the staff and students of Roseworthy.



G. Pfeiler, D. Adderly, C. O'Donnell, P. Gourlay, K. Keain, R. Osborne, Mr. Ford.



With Intercol at Roseworthy Agricultural College this year we have had a busy time with new target frames to make, repapering and organising facilities to ensure that all would run smoothly.

After having lost twice on a countback in the last 2 years the club hoped that in 1964 we would wrest the Shield from Hawkesbury at long last. However it was not to be as we finished 5th. Perhaps in 1965. . . ?

On the last day while shooting over 600 yards in winds of approximately gale force, the legs of the new target snapped. This required some digit extraction over dinner hour to repair them in order to finish the shoot on time. Barry Lawes and Steve Hogg were equal best shots for the R.A.C. team.

This year we have had 3 shoots against the University (winning one) and at the time of writing have shoots against Maitland, Mannum and Kapunda to come.

The current and future price of ammunition has the club worried and it is becoming harder to persuade the lesser Clubs such as the Football, Tennis and Cricket Clubs that we need the money. On the face of it we could end up with Bows and Arrows in the near future.

In conclusion I would like to thank our Manager Mr. Hutchins for his help and sympathy over the season.



The College Swimming Pool has recently had a face lift so should be better than usual for the 1964-65 season. The old sleepers in front of the men's changing shed have been removed and replaced with concrete, making a more solid and so safer landing. A new stand and board have been erected at the one metre level. After last season, the retaining wall on the southern side of the pool began to sag, this has now been pulled back into line and retired into the bank. The pool has been pumped out and refilled still maintaining the aquatic life which helps to keep it clean. New areas of lawn have been sown around the edges, and, with the aid of sprinklers, the area should remain green all through summer.

Swimming sports day will be held sometime later in December but meantime the pool is being used for Water Polo matches and training. The College has entered again in the "B" grade competition in Adelaide and the matches are played in the College pool on Sunday afternoons.

Last season we played 7 matches winning 3, losing 3 and drawing 1. We are hoping for an even more successful season this year.

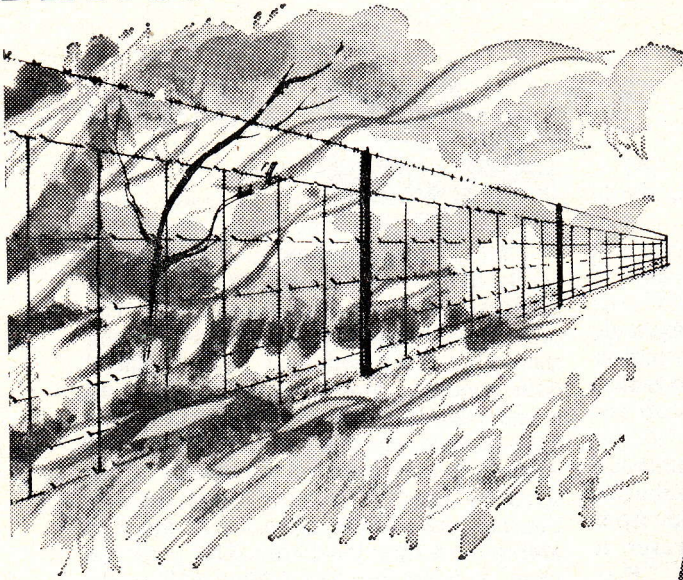
Fund raising is continuing for the new pool but meantime the old pool is looking better than ever and makes one wonder why a new pool is necessary.



Rifle Team (Left to Right):

T. Green, P. Ford, C. Cooney, A. Daube, B. Lawes, E. Hogg (Captain), Mr. Hutchins (Manager).

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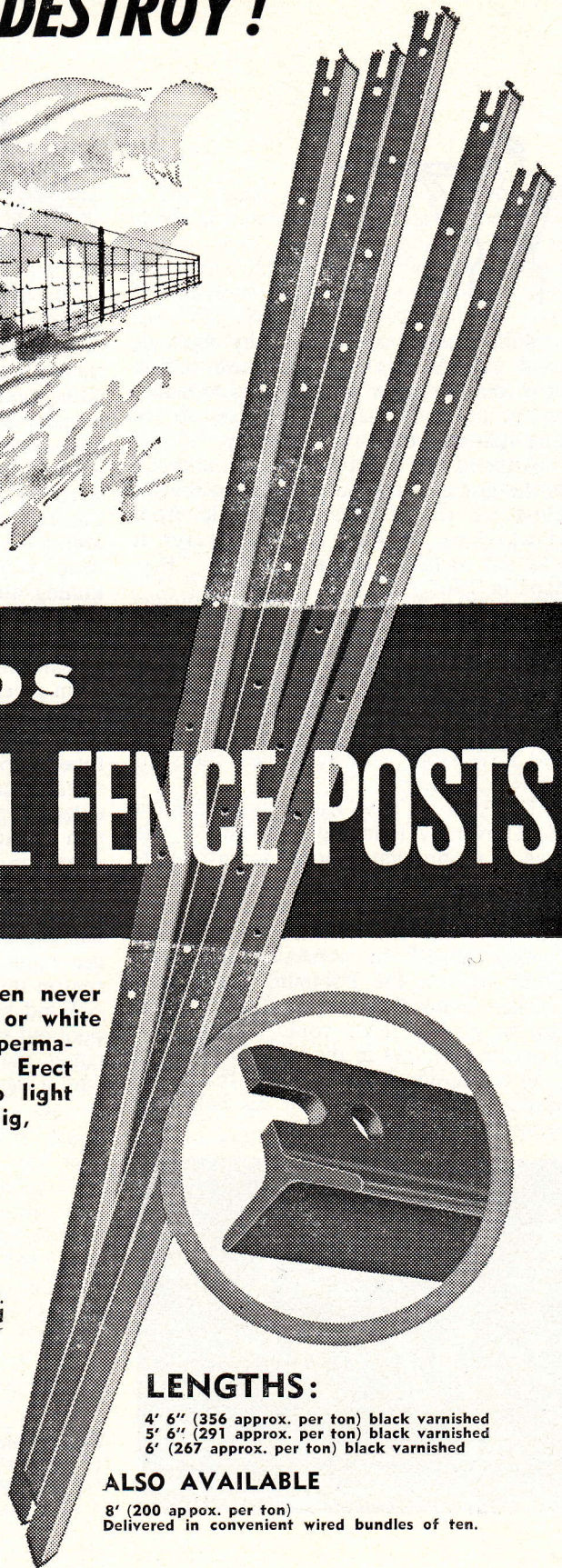
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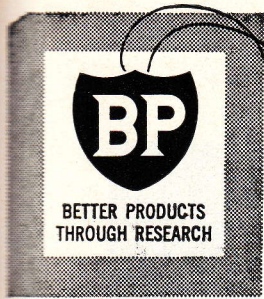
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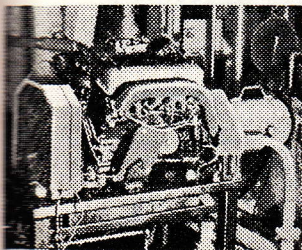


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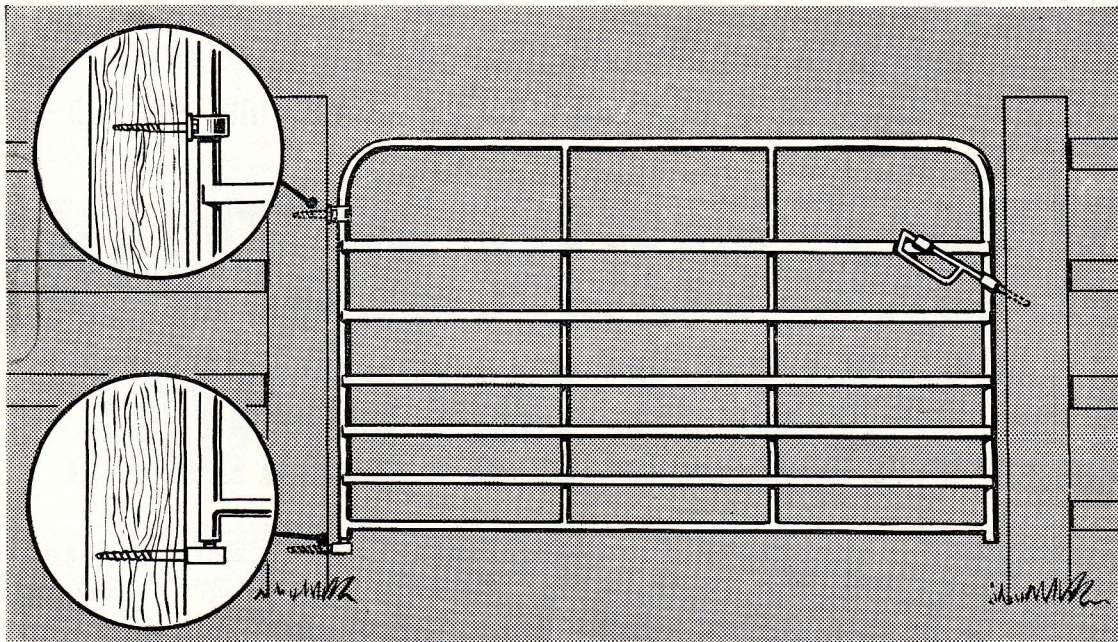


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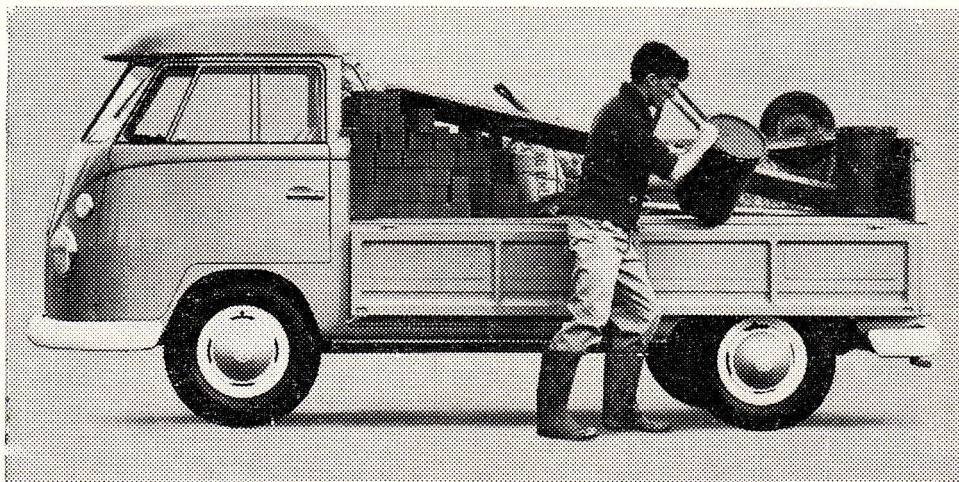
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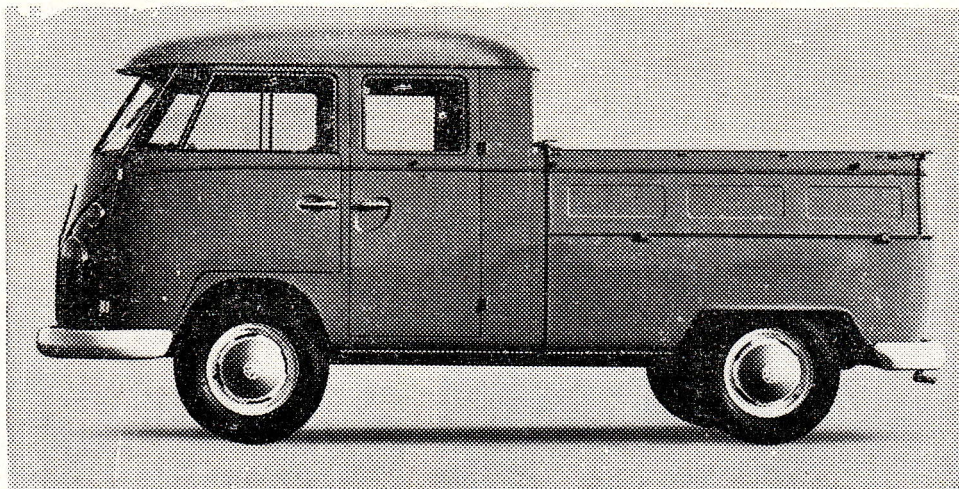
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This year we saw the College participating in the Gawler and Districts Football League once again. This was quite a challenge as we had a young side playing many ex-league players in the opposing teams.

Despite these players the A grade managed to defeat all the teams in the league except the premiers and runner-up — Roseworthy and Hamley Bridge respectively. The end of the year saw the A grade in sixth position on the premiership ladder after quite a successful season.

The B grade had a very good season, but were defeated by Gawler South in the grand final. Again, exams and holidays took their toll as far as football is concerned as did the Royal Show to a certain extent.

Unfortunately the story as far as managers were concerned was not as bright as it could have been. Mr. Krause, manager for many years, resigned owing to a trip overseas. Mr. Heaton-Harris took over, but moved on to greener pastures in July leaving us once again without a manager. The position was soon filled by Mr. J. Wood, Chairman of the Finance Sub-committee. In the short time we had Mr. Heaton-Harris as manager the club enjoyed a lift in funds which has been maintained by Mr. Wood. This is mainly because of the canteen being run each match by the football club. As a result of this lift in funds, the Football Club bought several new footballs, stopwatch and sundry other items.

Mr. D. J. Parry was coach this year, taking over from Mr. G. Woodroffe. Doug. installed a really high College spirit into the teams as was shown by the attendance at training — the highest for many years.

The College Football Club would like to take this opportunity to sincerely thank staff members who have helped and followed throughout the year. Many thanks also to student parents who regularly followed us, but we would very much like to see more parents next year.



“A” Football Team (Left to Right):

Front Row: J. Curlewis, J. Lawton, R. Baldwin, D. Kleeman, B. Hill, M. Merckenschlager, R. Campbell.

Middle Row: Mr. Woods (), M. Clarke, R. Miller, J. Anderson, W. McGowan, K. Pattinson, R. Sampson, R. Clements (), Mr. Parry (Coach).

Back Row: K. Holder, J. Hughes, C. O'Donnell, I. Bidstrup, D. Adderly, G. Pfeiler, J. Flynn.



From first year we have many good tennis players and so this year we put in an application for "A" and "B" grade. We just had sufficient ladies registered for the application to be accepted. The extra ladies we have obtained this year are from Gawler South Tennis club as they did not manage to field a team this year. With Ross Ford playing for us this year we should have a good "A" grade side.

The "B" grade is just as good as last year and should go well.

The lawn tennis courts have been topdressed with $\frac{1}{4}$ " sand. Just prior to this they were topdressed with urea. Plenty of rolling and attention has made them excellent to play on.

Before the opening match we had two practices on Sunday afternoons. They were well attended and all ladies showed a great deal of interest. On the first Sunday we ended the afternoon by having a barbecue chop tea.

Results of the two matches played so far:—

	"A" Grade	
East d College	13 sets	- 5 sets.
Waratah d College	12 sets	- 6 sets.
	"B" Grade	
College d Wasleys	10 sets	- 8 sets.
Railways d College	11 sets	- 7 sets.



Last season College "A" team played in Para Districts "B" grade, quite creditably finishing the season as Minor Premiers but being knocked out by Gawler team, although finishing last, had an enjoyable season, with a few amusing moments. One that comes to mind, was at Prince's Park when the opposition hit the ball a few yards from the pitch and ran 8 while the College boys were looking frantically in the marshmellows for it (Possibly we could suggest to the Association that if mowers are in short supply the College could lend them a flock of sheep for a day.)

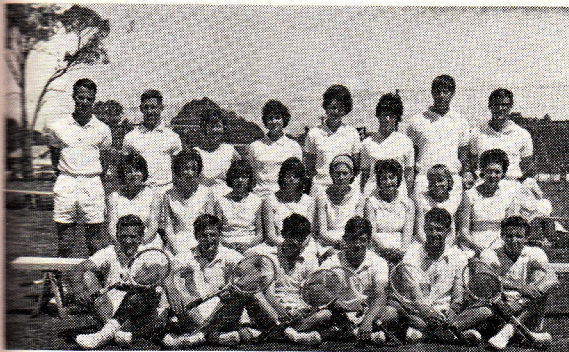
In "A" grade, batting trophy was won by P. Letheby with an average of 30.2 runs — and who also won the bowling trophy, taking his wickets for an average of 8.87 runs. The fielding award was won by R. Baldwin.

In "B" grade the batting trophy was won by R. Liebich with an average of 21.5 runs, and who also was awarded the fielding trophy. The bowling was won by O. Lamshed, with an average of 11.3.

Rick Laslett was selected last person to play in the Nutting and Young Competition performing quite well. He, with Richard Baldwin, was selected in the combined Lower North team playing in the all state competition. Shortly after this carnival the College took part in the annual country carnival. The standard was reasonably high and much experience and enjoyment gained from this turf cricket, which was a pleasant change from the Malthoid of the Para Association.

During the season we were fortunate to have "Dorn" Mann playing with us for a few matches. He came from W.A. and is in the state practice squad. He was a real team member and gave a lot of useful coaching and advice to us. His figures stand in evidence—in 8 matches he took 30 wickets for an average of 5.0 runs. In the 6 innings scored 273 runs for an average of 68.3.

This season is just under way, and Mr. Burton has been appointed the new



Tennis (Left to Right):

Front Row: R. Sampson, J. Curlewis, K. T. Keain, R. S. Osborne, R. Carty, K. O. Westbrook.
 Middle Row: S. Sutcliffe, S. Brown, M. Congdon, K. Heindrich, J. Gardner, L. Gebler, P. Burrell, J. Dawkins.
 Back Row: C. O'Donnell, P. Gourlay, E. Vine, M. Hooper, H. Schwerdt, D. Mansell, G. Pfeiler (Captain), N. Hughes.

cricket manager, replacing Mr. Norman who has gone south to a little known island where it is too wet to play any cricket. (The reason why they don't have a shield team).

Mr. Norman must be congratulated for his services to the club over the past years, where his interest and loyalty to both club and team was outstanding. He was helpful and understanding to those learning to play, and really instilled a true team spirit among the player; his presence will be sadly missed. We all wish him the best in his new position in Tasmania, and also with his cricket there.



This year we were very active with four major events to contend with. Apart from the Annual Ball and Mid-term Cabaret we also organised a Barn Dance for the visiting Intercoll. teams. Then at the last moment a Barn Dance-Amateur Hour was decided upon for the Open Day evening in October.

The Mid-term Cabaret in June was dulled by the fact that the decorations were at a minimum. This was due to the building being repainted. However, the atmosphere was stirred up by the Mystics and it ended as a roaring success.

The Intercoll. Barn Dance would have been a "mighty ding" had it gone on to a reasonable hour. Apart from that everything went very well and the presence of 50 nurses from the Memorial, Adelaide, Calvary and Children's Hospitals helped to add another success to our tally.

The Annual Ball followed in October, and although the decorations were not up to standard the presence of many students, old scholars and staff members made the night a success.

The final function, The Barn Dance-Amateur Hour in October was a wonderful evening and showed that we have great potential amongst the students in Amateur Theatrics. Rocker Cocker and his Cockerels took first prize and all items were very well received.

Thanks also go to the ladies of the College who once again did a grand job in decorating the Hall with a great array of flowers.

Gabe and the kitchen staff, as always, went out of their way to help us.

Also this year the social committee decided to raise some money for the Spastic Home at Woodville by sponsoring an entrant in the Miss Australia Quest.

Miss Patricia Gardner from Wasleys was chosen as our entrant and although the money raising functions were limited we raised £102 by way of raffles and contributions. We are very grateful to all students, staff and football supporters who gave unselfishly whenever approached for donations.



A successful end to a week-end scrub clearing!!

Athletics Day 1964

The 1964 Annual Sports were held on Thursday, 12th November in brilliant sunshine, and a very successful day resulted, with 2 records being broken and one equalled.

The championship cup was won for the second consecutive year by Steve Gee. In the process of compiling his winning points he broke the high jump record (which he established last year) with a leap of 5' 10½", and also threw the javelin 184' 10", but which was disallowed because of wind assistance.

Steve should be congratulated, in this his last year, for his enthusiasm in athletics, both on and off the track, and also for his performances over the past 3 years—truly great efforts.

John Lawton was runner-up, turning in brilliant runs in the open sprints—proof being in his equalling of the 440 yards record. We expect greater things of this boy next year, since he has decided to train and give up smoking(?).

Third on Championship points was Pete Winter—a really great trier. He would be on a much better competition basis had he had longer caudal extremities (quote Mr. Reddin).

The other record of the day was by Dave Kleeman, who set a new pole vault record of 9' 3", bettering "Blue" Holder's record by 1".

The Athletics Committee and the Stewarding staff members must be congratulated on a day well run; the organisation and running of events being one with "disguised" efficiency.

The trophies were presented by Mr. Reddin at afternoon tea, and we thank him for his time and interest. His main comment was that in most events competition was keen, and to gain a place was a tough task—this determination and spirit is truly in College tradition and should be commended.

(P.S. Sheaf toss was called off this year—the rope to adjust the elevation of the bar broke, and some (un-named) tarzan said he would fix it. He did—consequently no event.)

Badge Awards 1964

Cricket

R. BALDWIN
D. BRAIN
R. CONNOR
G. GILL
D. KLEEMAN
R. LASLETT
D. LAWRENCE
P. LETHEBY
D. MANN
K. PFEIFFER
G. WYATT

Football

R. BALDWIN
I. BIDSTRUP
M. BROWN
D. ADDERLEY
R. CAMPBELL
M. CLARKE
J. CURLEWIS
J. FLYNN
B. HILL
K. HOLDER
D. KLEEMAN
J. LAWTON
W. McGOWN
M. MERCKENSCHLAGER
R. MILLER
C. O'DONNELL
K. PATTINSON
R. SAMPSON

Swimming

M. BROWN
K. HOLDER
R. KRUIWINK
W. McGOWN

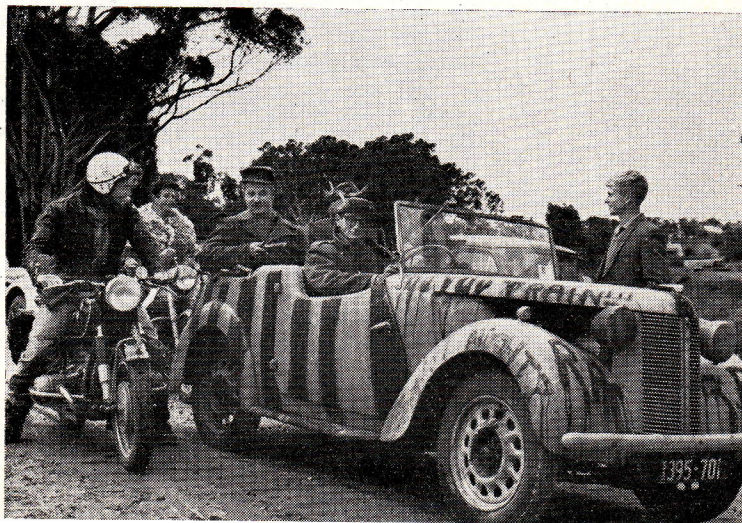
Tennis

D. ADDERLEY
G. DICK
B. DANIEL
C. O'DONNELL
B. THOMAS

Water Polo

M. BROWN
K. COWLEY
G. CROME
K. HOLDER
R. KRUIWINK
W. McGOWN
J. TOWNSEND

General Cocker attends the Grand Final



Roseworthy's Kolkhoz

(A collective farm for the benefit of the capatilists in our midst).

It was not until 1962 that this Kolkhoz was liberated from the truly unjust capatilist rule. How lucky are the workers to have been liberated and what wonderful conditions they now have.

Their movement is completely unrestricted within their cells and they are only required to work seven days a week within the twelve foot electrified barbed-wire fence. The workers are now also fed two dried apricots with their daily custard.

The Great Leader has promised his beloved workers that if they do a little extra he will arrange a working holiday for them at the wonderful holiday resort at the Lake Khushchev (ex Lake Eyre) salt mines (It is rumoured that Comrade Laffer is on the head of the holiday list, followed closely by Comrade Clarke).

For a period the Workers' Council considered that better conditions were possible, but were quick to see how wrong they were after a visit from several M.V.D. agents. Unfortunately some harm had already been done as several of the workers acquired personal radiators. Needless to say the Great Leader stepped in, removed these radiators, plugged them into the guardhouse and suitably punished those selfish workers.

All cells have now been fitted with patriotic red strips so that the workers can think they are warm.

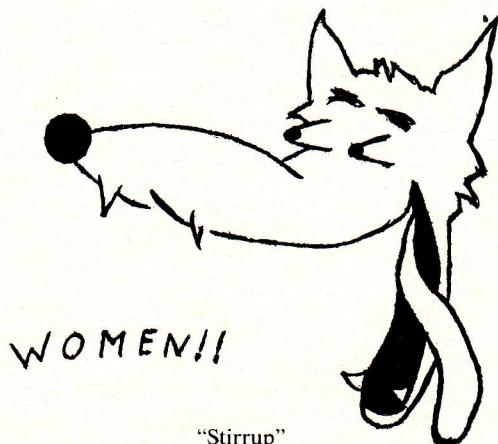
In the last Brain-washing campaign the Great Leader said that the reason why leave visa's were so difficult to obtain was that the capatilists outside the Kolkhoz may hear of the wonderful conditions inside, thus causing an uprising amongst

the people. The Great Leader said that it was not his intention to cause bloodshed—yet!

It was also announced that his beloved comrades would be pleased to know that, at great sacrifice to the state, a red monument had been erected in the State Park on the hill.

I must close now as it is time for the 7.30 p.m. evening inspection by the Great Leader himself, which is followed by 1½ hours forced thinking period when all workers must think of the wonderful things our leaders have done for us.

Long live the Great Leader!!



A Staff Meeting

The college was far too quiet, so HE must have thought,
"They must be up to something, There's no one that I've caught."
They're having fun, that can't do, 'cos it's against the rules
I'll make it hard, call in my gang, show them we're no fools".
"The boys are getting lazy, we must keep them out of strife
And I've even heard a rumour that they're enjoying college life
So we must get together and give them extra work.
We'll teach these "little kiddies" that they mustn't shirk
So "Rocky" wracked his little brain and gave a little smile
They can collect 50 grasses that'll stop 'em for a while
We'll add a few index cards to keep them quiet at night
What say we give them 50 he said with pure delight.
"The gang" roared with laughter and cheered at the idea
Then another told of his, with such an awful sneer
I'll give them a long essay to hold them for a while
Bungey said, with tears of laughter, holding back a smile
I'll give them one, Leske said it'll really make them squirm
It doesn't really matter if it takes them all the term
And if I plan it wisely with fences, stock and dams
They'll be lucky if they finish before the main exams
"The gang" cheered and clapped their hands, their laughing made 'em ruddy
Cause they knew that with all this, There'd be no time for study
I'll give them a long essay too, added Mister Chartier
A hail came from the gang as they laughed all the heartier
To top it off I'll add mine, said Graham to them all
An F.E. project should be good to keep them on the ball

And so they left the meeting, feeling really gay
Knowing they'd done their bit in a little way
The "BOSS" was really happy and filled with grand delight
And he went home with a smile and slept real well that night.

P. Winter

"Recognise the Starfie"

- (1) "I'll give it to you straight from the shoulder boys. . . . the chips are down. . . . we haven't got to first base yet."
- (2) "Rido you yokers. . . . if you wanna b. . . ise around you can walk back."
- (3) "I've got nuthin for you to do so you can do a couple of double feed mixes. . . . Bring in yard 13!!
- (4) "Brrurb! Brrurb! Brrurb! Gentlemen! No smoking, no drinking, no thinking immoral thoughts."
- (5) "Out of may Liebry you revolting 2nd Year."
- (6) "Just take 10 minutes off and sit in the cage and watch them."
- (7) "Doo to da fact that the clutch plate engages with the flywheel, the powar of the engine is transferred to the back wheels.
- (8) "Next time I see you driving my tractor like a racing car, I'll kick you from here to hell."
- (9) "Come here lad and I'll show you some thin. . . . the last fella I dropped ended up in hospital. . . . when you've been around like me laddie, you've had a go at every-thing. . . . I know, I've had the ex-perience with a cobber of mine. . . ."
- (10) "You young fellas. . . you know nothing. . . . never mind. . . ."
- (11) "Stick 'er in low low and we'll amble in for lunch."
- (12) "It's not my fault you've got custard again, I'm not the cook. . . . I'm only the steward ere."

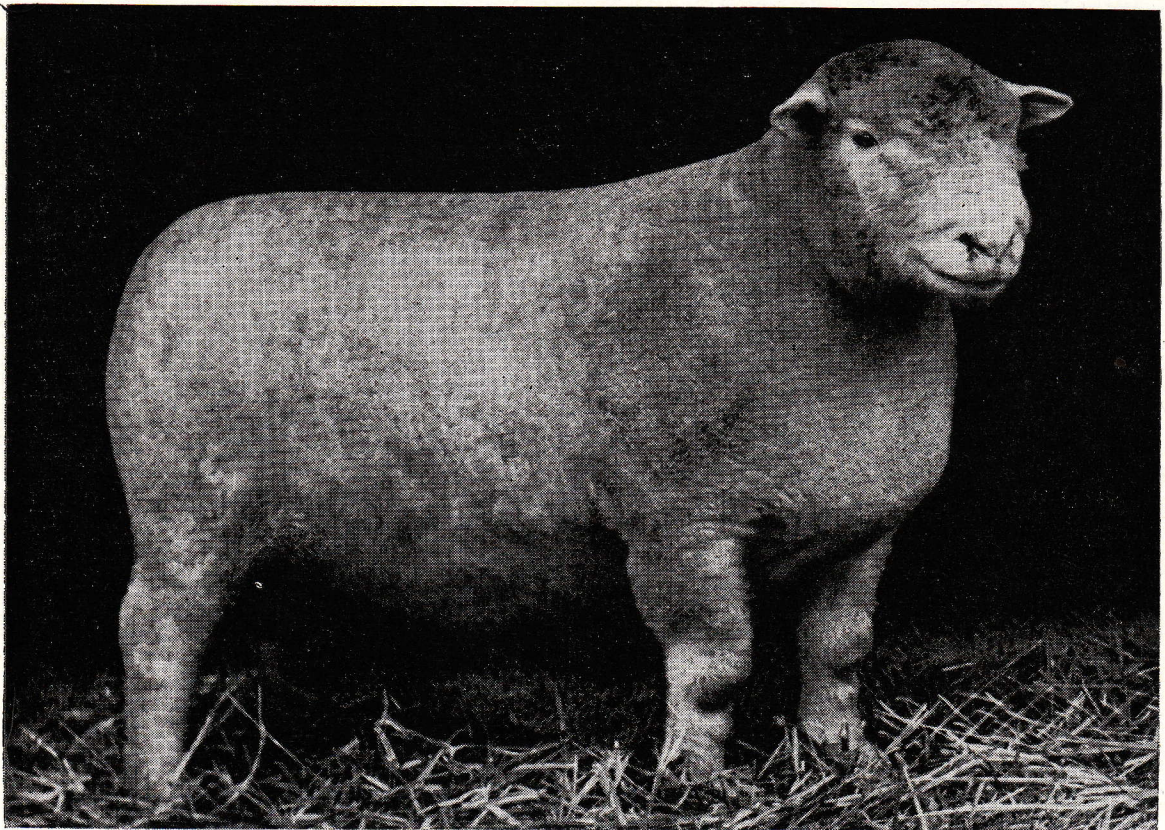
THE WORLD'S BEST FROM . . .

NEWBOLD

POLL DORSET FLOCK No. 1

DORSET HORN FLOCK No. 4

POLL SHORTHORN CATTLE



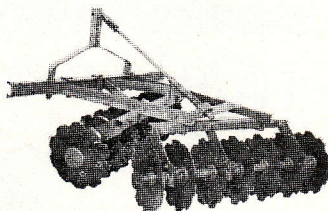
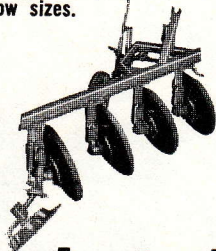
This is NEWBOLD HERCULES II (Shorn) at 15 months of age. He was Champion Poll Dorset Ram at Sydney and subsequently sold at auction for 1,000 guineas.

W. J. DAWKINS NEWBOLD LTD.
GAWLER RIVER, S.A.

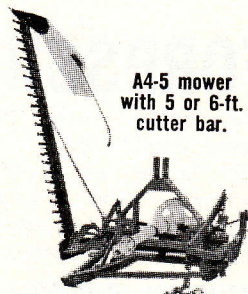
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A1-41 disc plough in 2, 3, and 4-furrow sizes.



GL-325 offset disc harrow in 5¼, 6 or 6¾-ft. size.

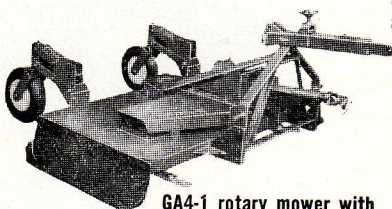


A4-5 mower with 5 or 6-ft. cutter bar.

3-point linkage, versatile,

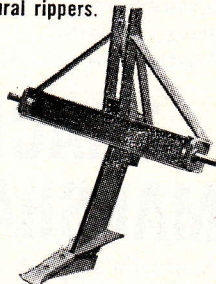


A30-4 open field toolbar up to 14 ft. in length. Choice of ground tools.

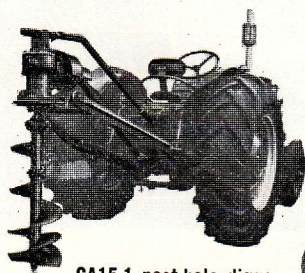


GA4-1 rotary mower with 6-ft. cutting width and GA4-2 4-ft. rotary slasher.

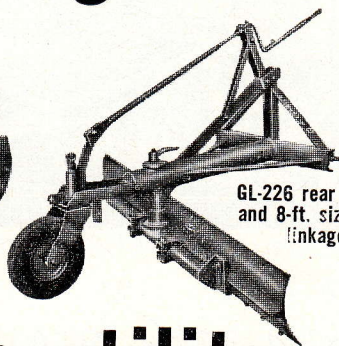
GL-334, GA-25-1, GL-224 agricultural rippers.



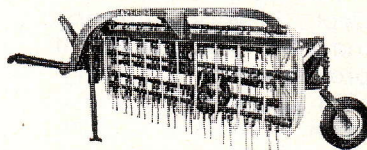
interchangeable implements



GA15-1 post-hole digger. Also available GL-225.



GL-226 rear blade in 6 and 8-ft. sizes, 3-point linkage mounted.



A21-1 and A21-3 side-delivery rakes, p.t.o. and ground driven.

increase utility, profitability

There are at least twenty job applications covered by the full range of McCormick International 3-point linkage implements which will fit not only your McCormick International tractor but most other makes as well. See us NOW!

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FORDSON

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

COUNTRY SUPER 4&6

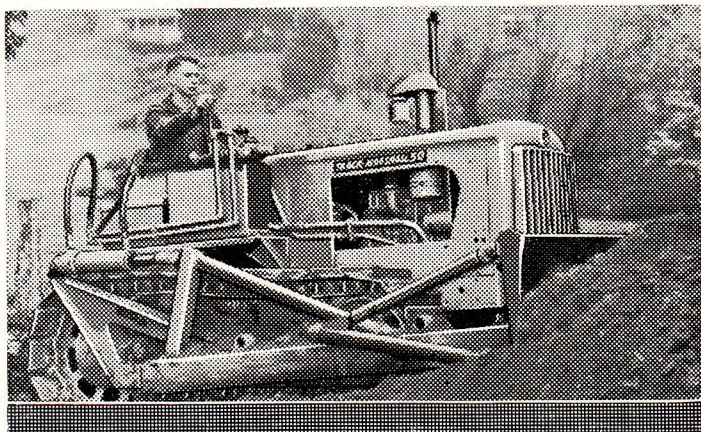
Offer Fordson power (54 or 95 h.p.) economy, dependability, PLUS the advantages of 4-wheel drive, with Moore's Australia-wide backing.



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



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Full service facilities and spare parts readily available

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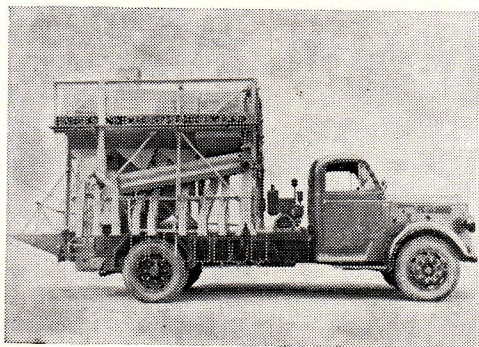
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Highly Efficient Carter Pocket Discs
for Length Separation

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Is there truth in the rumour that:

College is going back to hand harvesting after the successful penalty weekend spent twig picking.

Soursob is to be declared a pasture species so that it will no longer grow at College.

We are to supply the State with Barrel 173 seed.

Ted George is officially in charge of Plant Breeder.

Plonkies are to be treated like Ag. students.

Errol will reach breakfast before 7.30 one morning.

You know who is going to retire.

Students are going to be treated like young men as befits their age.

Ron Pope is going to make a return to professional cycling.

Custard is to be missed from the menu one day.

Mr. Stephen was seen to run to work.

Mr. Philip drove past a parking meter with five minutes left in it.

Mr. Leske bought 10,000 R.M.D. shares.

Silage

Clumps of food for hungry stock,
Without which they could not abide
We have to slave to keep the flock,
Good natured, contented and satisfied,
By rearing yards and milking bail
Or anywhere about
Your nose will keep you on the trail
Of silage when fed out

Of clover, weed and barley grass
Before they're in full bloom
It ferments well as time does pass
And exudes that vile perfume
The dairy cow stands idly by
Saying to herself "just think
A pound of oats, some Wimmera rye
instead of this "God-dam stink!"

"Judging was Close"

says Judge.

At the Roseworthy Workingman's fashion show held recently. There were many entries and very little "tail" evident in any of the classes.

The grand champion all breeds, dungy jacket, went to Mr. Ian "Pop" Inglis. The Judge said that this entry was head and shoulders above all other entries and showed good development; the sag of pockets accentuated by the contents which include combine cogs, bolts, pieces of wire and sandwiches, helped set the picture of overall abuse. Other entries in the class lacked the great age of the winning entry, but James Laffer's tweed coat, what there is of it, shows promise.

In the hat (khaki fur felt unlimited age), first prize went to Mr. Peter Cocker for an excellent specimen of the breed. The droop of the brim combined with a vague motheaten appearance, set off the well balanced lines of this head covering. Second prize went to Andrew "Duffer" Doube, although poorer in line it had a fine collection of eartags and .303 rifle cartridges.

Finally in the suit coat of Yesteryear class entries were fewer but of high quality.

First prize went to "Stirrup" Bidstrup for a fine example of bats wing collars that would make Bob Menzies proud.

In conclusion, the organizers thanked exhibitors for their support and hoped that it would continue.

The prospects for a prospective young farmer in W.A.

Western Australia is a very friendly and picturesque state with probably the greatest potential of all states for future development. It is a big state which breeds big men, so stand in awe when a member of the Great state passes.

Western Australia can be divided into three agricultural regions:

- (1) The area of summer rain, i.e. Kimberley Division.
- (2) The S.W. corner between 11" and 60" isoheyt.
- (3) The vast dry inland areas.

In the Kimberley Division, 63% of the State's cattle are found. Nearly all are shorthorns. This area has tremendous potential for agriculture. Water is present and with new industries being drawn there by mineral deposits and Government policies, together they have provided a market. The major development is the Ord River scheme which is 650 miles from Darwin and 2,340 miles from Perth. Distances make cost of living high, e.g. Super costs £25 per ton, but wages are good. Lots are bought out every year. Seven lots were available, March, 1964. These farms were 629-697 acres and require at least £30,000 for the purchase of implements (£15,000), the land (£1/ac. + survey fees approx. £750), and a house (£5,500). The Government will provide all things required for irrigation for the 600 ac. and will, if asked, clear etc. 200 ac. at £20/ac.

So much for costs, they only make the weak and faint-hearted give up. Research has been going on in this area for 19 years. Since then a Pilot Farm was made operational in 1960. Together data from these places has enabled specialists to give considerable assistance to farmers. Over 90% is black soil type. This type of soil has been proven good for cotton and irrigation in other parts of the world. The disadvantage with this soil is during the wet season living on it is almost impossible, so owners are advised to buy a house in Kununarra. Yields from average farms have given 2,000 lbs. seed cotton/ac. or 1½ tons rice per ac. Com-

petition is very keen for these farms, however.

Turning to more populated areas of the South we arrive at Esperance. This area has had a Government Research station since 1949, but it was not until 1960, after Chase failed, that the Esperance Land and Development Co. successfully opened the Land. So successful have they been that this area has been completely allocated except for land being sold after partial development by American interests.. Considerable capital is needed to develop this area. The overall costs for complete development per acre are: £7/15/6 which includes; water supplies, 2 wethers @ £2/10/0 each, contract charges i.e. 3 years ploughing, top-dressing and pasture development. It is a 19-24" rainfall region, over a range of soil types which support subterranean clovers. These soils are deficient in trace elements and so top-dressing should include in the super, copper and zinc. It is possible to obtain good first year pastures provided 300 lbs./ac. Super is applied. The land is then capable of supporting 2-3 dry sheep/ac. in the second year. Esperance could develop into one of the most productive areas for crops and stock in Australia.

Turning from this much talked of region to a typical block of Crown land being opened up by the Department of Lands and Surveys. It is an 11" effective rainfall and farm sizes range from 2,027 ac. to 4,485 ac. Crown lands are now mainly all sandy soils suitable for wheat-sheep production. The example is 173 miles from Perth (N.E.) around Kalannie. Average yields are around 10-12 bushels. However yields under above average rainfall and in heavier soil reached 24 bush./ac. Thirteen of these blocks were offered under the following conditions; 25-30 years to pay back the purchase price at no interest, but you must improve the farm. This costs about £20/ac. over a 3-4 year period.

To apply for such land, you have to send in an application (with about 20 questions answered) to the Department of Lands and Surveys, include £5/6/5,

then sprint to the Thirst-Aid Centre, down your shattered nerves in the life preserving liquid and wait with increasing impatience for the Land Board's decision.

The present prices for Crown land are 6/- to 20/- per acre, except in special cases when it might go as high as £2. The Government will not assist you to develop Crown Lands, so credit from other sources is necessary. Improvements equal to one-fifth of purchase price must be carried out each year for 10 years by which time the boundary must be fenced.

The Southern part of the State still has 10 million acres of potential agricultural land still available for sub-division and allocation. So for the keen young prospective farmer it's in the Sunny West. Go West Young Farmer. Go West.

J. Curlewis.

Who knows where we're going now?
The Lord must know but me—
I still wonder often what kind of man
I'll be.
Slowly the seeds of future sowing
As I look back on three years hard hoeing
The time has come for me to see
The world, its mysteries, I am free
As are the mountains or rivers flowing
Now alone I feel, I'm lost
No parental truss my weight to lean
Or help me when my mind is crossed
With thoughts of callous and of mean
But in the air my head is tossed
Not much yet of life I've seen.

Forever it may be

The face of the college has changed,
Is this convention rearranged?
This good friends, do we resent?
This shift from past to the present.

Yet the working student gives but one
face,
His boots are tied with a ten gauge lace,
His face with boar-like bristles creep,
But he is an aspect we will keep.

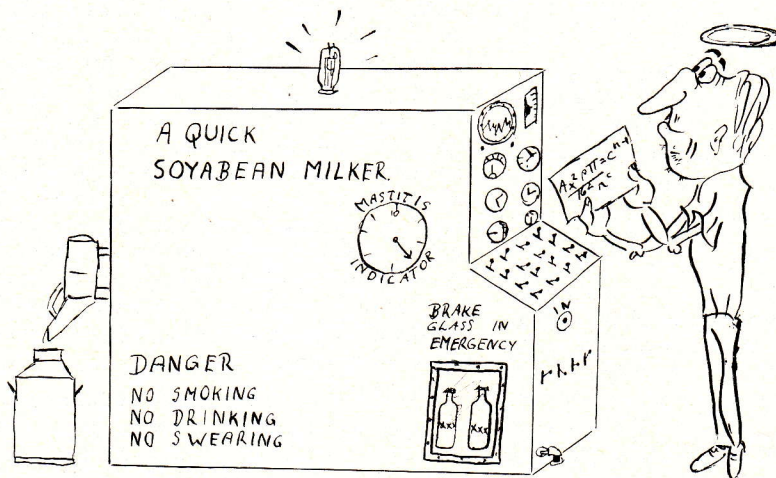
The trousers a sight to behold,
Dungy as the college is old,
Ventilation worries him not,
For dirt stops cold and trousers rot.

But on his chest reads "Claymore Wheat",
What seedy individual is this we meet,
A wheat bag jerkin perhaps it be
Such garments are never worn to tea.

Thus to work, away he goes
A mass of ragged, baggy clothes,
May his spirit forever live,
An example to future collegians give.

White Reward

From the head the grains collected,
In the heap for hammermill centred.
Thro' the dust, crushed grain by the
pound,
Sown, on the cart, South hill bound.

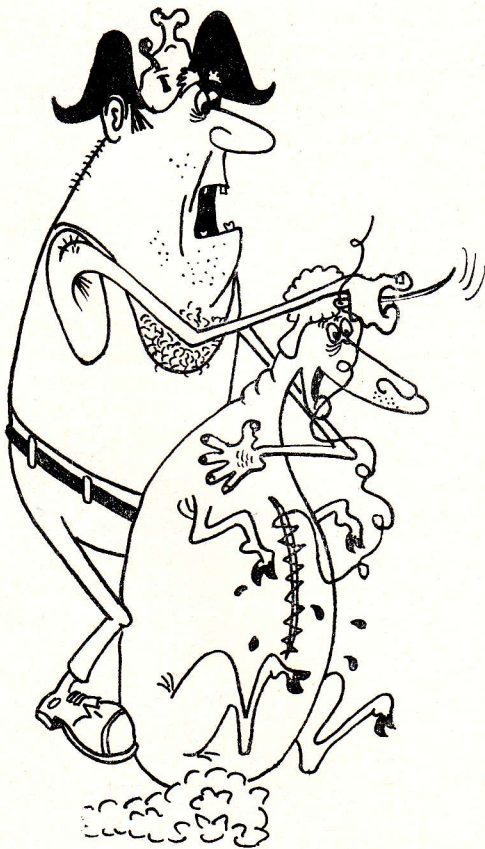


But it works in
theory

Dumped in heaps, the rats annoy,
For mixing, hard labour's joy
Buckets to feeders lavishly topped,
To the hungry creature dropped.

But all labour is not lost,
Ha-ha, something to cover cost,
Yes a gleaming, oval, white shell,
Eggs for breakfast, not to sell.

Beaming eyes to breakfast troop,
Full of hope, reward to recoup
But, oh what misery in sight,
The egg was cooked the previous night.



Oh, boy, now I've got a fly!!

Malibou Surfing

The sea begins to rise behind you. You kneel on the Malibou and paddle quickly. As the wave approaches the board accelerates fantastically, you stand up, lean to the right and shoot off at tremendous speed.

Excitement, thrills, enjoyment and satisfaction are a few of the feelings experienced in the wonderful sport of surfing. Shooting across the blue-green water at speeds up to 25 m.p.h. then executing a last minute pull out after an exciting ride are some of the thrills. Sometimes the end of a ride comes unexpectedly in an ungraceful wipeout and you find yourself rolling over and over in white foaming water. But the satisfaction of having cracked a wave compensates for this minor disappointment.

Surfing is an art and an extremely energetic and demanding sport. Stamina, balance and confidence in the water with good swimming ability produce a typical surfer. To become a good surfer the fundamentals of kneeling, having the board going at speed when the wave reaches you, and standing have to be learnt and practised.

A board is usually made of foam plastic or balsa wood covered with fibre glass. I prefer the foam plastic boards. They are lighter, just as strong and do not become waterlogged over the years. A good board will cost from £40-£50 and the best ones come from Sydney. The foam plastic mould is covered with fibre glass for protection and added strength and has a wooden stringer down the middle to give it further strength. Boards are of different shapes, sizes and number of stringers. Boards up to 12 and 14 feet are used for heavy seas and smaller ones of 9 feet for hot-dogging in calmer seas. Paraffin wax rubbed on the board stops it from being slippery.

S.A. has a few good surfing beaches which produce good surf on their day. Moana, Seaford and Southport are the closest to Adelaide, Moana being better near the reef. Fifty miles south of Adelaide are Parsons Beach, Victor

Harbour, Chiton Rocks and Middleton. Of these the best are Parsons Beach and Middleton. On a nice sunny day with a slight off shore breeze at Middleton I have had rides on perfect eight foot waves for two hundred yards. But on a rough day you are battered by huge waves until you become almost exhausted.

For pure enjoyment, excitement and relaxation surfing is the sport.

R. T. Miller.

Each year students come and go,
Hiding fear, so it won't show
All worried by the old tradition
We mostly come with trepidation
Both right and wrong things are done,
We've had our fights, we've had our fun
We've dotted, lambled and shorn the ewes,
We crutched, dipped then ate in stews,
Studied the bovine and groomed the stud,
Learned the soil, both dust and mud,
Harvested, cleaned and planted wheat,
Done chores in cold and melting heat
And are supposed to know the clues,
Most of the "don'ts" and some of the
"do's"

To take with us when we must go
Memories of people, tales of woe
Of stock in pens and balanced feeding,
Of wonderful trips and careful seeding,
High honours and all, we'll be sorry to
leave

Grin, shake hands, hope it doesn't show
Part of tradition we who pass on
Loving the old place before we've gone
Mac's to be married early next year
And old Syd's fate is sealed we fear.
Phantom will soon become "Mr. Eyre"
And Waxie, "Ian" before next year
"Errol" will be just John Flynn
And Murray won't worry himself so thin.
Speed may off through the gibber and
sand

Up to the centre with room to expand
But all should find it most expedient.
Of Agriculture to become an ingredient.
And so, "Good bye". We'll take a lot
away
Though trust we'll leave some good to
stay

Changing Times

The requirements of an R.A.C. student in 1974, ten years from hence, if things go as they are in this grand old year of 1964 will be as follows:

Clothing:

- 1 dinner suit for the dinner
- 1 dress suit for lunch
- ½ doz. white shirts and
- 2 or 3 ties
- 2 pairs of black T shirts and
- 2 pairs of tight jeans for casual wear
- 1 pair of extra, extra, extra pointy toed shoes for best
- 1 pair of extra, extra, pointy toed shoes for college wear
- 1 pair of extra pointy toed shoes for demonstrations

The student will require 1 pair of combination overalls with lace collar and sleeve cuffs for the more refined gentlemanly farmer look, to be worn to demonstrations on how to work.

Also required will be one sponge-rubber cushion to squat on while watching the farm hands working.

Curriculum:

This will cover the management of feeding and the disease control of 1 vulture, 1 horse, 1 dairy cow, 1 beef cow, 1 sheep and 1 pig.

Crop management will be carried out on 1 oat plant, 1 wheat plant, 1 barley plant. Lectures will include such subjects as:

"Better posture for the seated farmer."

"How to prevent callouses on your posterior."

"New hair styles for the gentlemanly farmer."

Oh yes, you young farmers of today you won't be a patch on these young farmers of tomorrow, who will be trained to farm in every aspect, be crash hot farmers and still look the part.

Letters to the Editor

Dear Sir,

Why is it that when I am on "Farm" I always end up hoeing weeds, cutting chaff, hammermilling etc.! I have come here to gain a broad education and feel I should be given more of the intricate operations to master.

I. Diot.

ED. Just stay with us boy! They say they can teach the legless to swim, the armless to knit, the brainless — well we've got us a problem!

Dear Sir,

Through your column I wish to draw attention to the terrible plague which is sweeping through our senior students. It strikes in many parts of the body, but has one overall effect. The student is unfit for work. First Waxy's finger, then Bruce's foot, Swaby's . . . e and now poor Touchy's? Can't there be something done before we all become victims?

Ed. If it means that we will all get it as easy as Waxy, I say let's rub noses.

Dear Sir,

Growing up can take years, perhaps even twenty. This was my opinion when I first entered this college. Surely the attitude of a few particular second and third years towards first year students this year is an indication that this generation is very immature. However I can say that we are becoming a little more mature as the years go by because some years ago a first year couldn't even be seen with a senior student. This business of calling them "Mister" is childish. They are people only a few years older than us and we have to play along with their little games. Believe me, we get just as much fun out of them as they, possibly, get out of us. This attitude may be the fashion for college snobs but not for men. My last word is scrub this idea altogether and act like men.

"First Year Student".

Ed. This same theme has been the cry of all privates but those silly officers still insist on being called "sir"; even those that were once privates.

Dear Sir,

As most people are aware, over the last two years the College has been trying to raise money to build a new swimming pool. I have noticed recently in discussions with old students and others associated with the College, a growing feeling that perhaps we should not build a new pool. The alternative has been put forward that the expenditure of £1,500-£2,000 on the existing pool would make it into an ideal swimming site, without the additional cost involved in building a new pool.

People far better qualified technically than I say that it would not be a very difficult job, given the money to make the pool into a very attractive site that would serve the College better than the proposed new pool. I personally believe, that before we go any further in our fund raising some serious consideration should be given to this alternative proposal. I have three reasons for supporting this scheme.

The £12,000 required to build a new pool would be a very expensive investment on an item that will only be used for a maximum period of five months each year.

The present pool is in attractive surroundings away from the College and causes no inconvenience to anyone either from noise or any other form of annoyance.

It appears likely that it will take several more years for sufficient funds to be raised before a start can be made on the pool, whereas if the scheme outlined above is adopted sufficient funds are already in hand, to ensure the completion of work on the pool by the beginning of the 1965-6 swimming season.

I am sure those people, including old scholars who have contributed to the fund would not object to their donations being spent in this way. To prevent any ill feeling arising old students could be notified through R.O.C.A. Digest of the intention and invited to voice any objections they may have.

In conclusion I would like to point out a viewpoint being voiced by more and more people that perhaps they were

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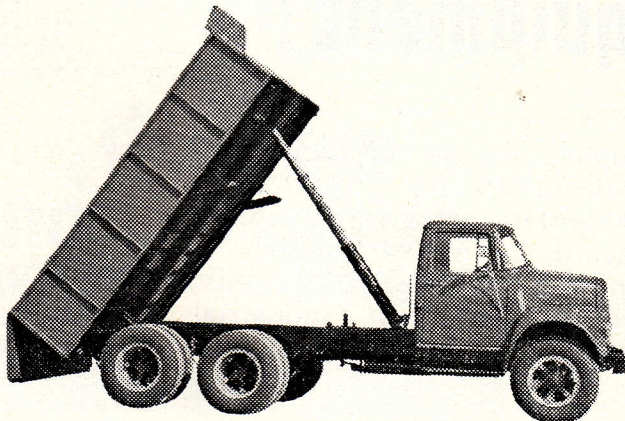
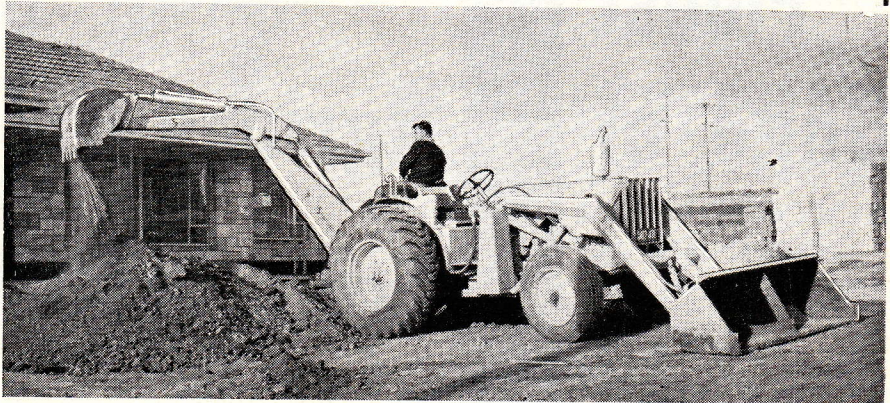
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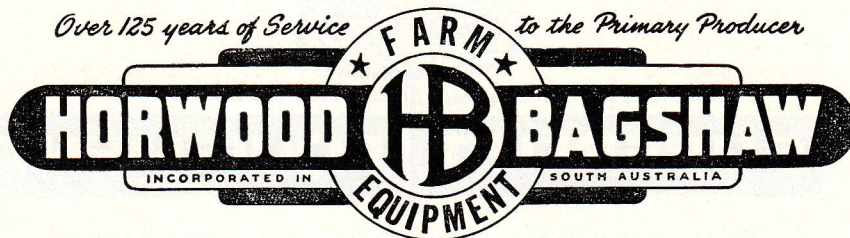
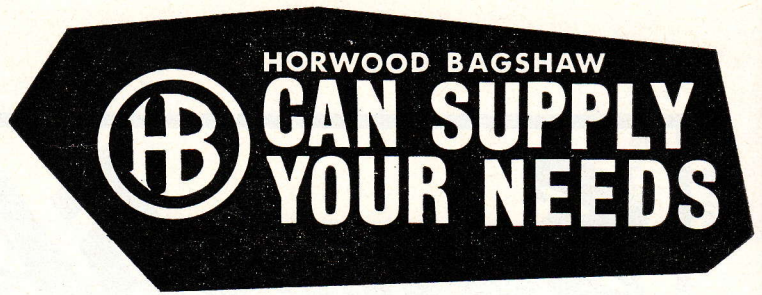
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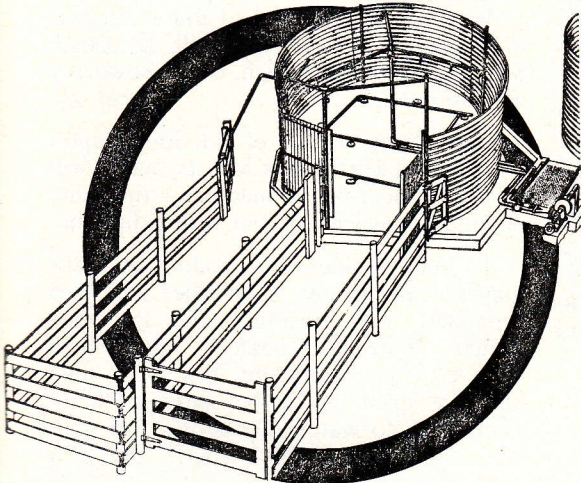
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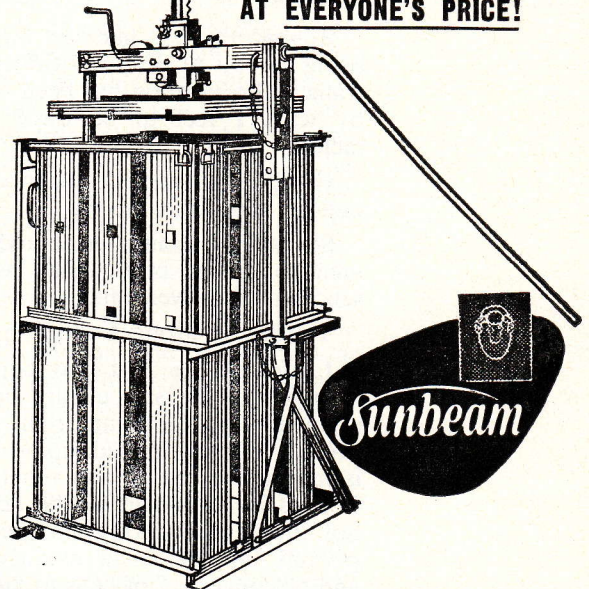


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misled by the organising body into believing there was a need for a new pool. Many are now saying that the new pool is a status symbol for the College to be pointed out to visitors instead of a recreational necessity as they were led to believe.

I hope that this letter might arouse sufficient interest amongst the readers so that those in charge of the appeal will think twice before going ahead on building a new pool.

Yours faithfully,
"Status Quo"

Ed. Terrazzo! terrazzo! everywhere terrazzo! is the status symbol of 1964 so perhaps the old swimming hole could be lined with it.

Dear Sir,

Roseworthy has had the reputation of being the top Agricultural College in Australia. This position has been maintained by what I feel to be three important factors.

Firstly, the correct balance between outside work and theory.

Secondly, a maintenance and improvement of the curriculum as regards scholastic achievements.

Thirdly, a strong College spirit.

I suppose the first two points would be regarded by an outsider or a realist as having the most important effect, i.e. turning out well trained diplomates. This is indeed the reason and function of the College as set down in the act. But to my mind Roseworthy has just as important function as a character builder and a "converter" of boys to men.

This transition is something which is difficult to write about, well nigh impossible, and is something which only a person who has experienced three years at R.A.C. can know.

I feel that one of the factors more intimately concerned with this transition is not the feeling of unity but independence. Where a student can be working for the betterment of the College, but in his own

individual manner. This spirit, not just the spirit which shows itself on sporting occasions, but a patriotic spirit which is evident all the time.

This spirit is dying! I have seen it die! Soon Roseworthy will be dead. Scholarships may be high, but Roseworthy will be dead.

Diplomates, instead of individuals upon which Roseworthy has left its mark, will be the product of the machine—the same on entering as leaving, but with a diploma.

To the outsider this decline in spirit may not be evident. The place has been repainted, new furniture and the time switch controlled heaters have been installed, new linoleum has been laid and we even have the satisfaction of being able to watch television. But does new paint hide rotting wood? and if it does—for how long?

After three years you begin to tire of Roseworthy, but do you count off the days left? This to me is a new thing unheard of five years ago.

This you might say is destructive criticism and so means very little. But constructive criticism is difficult. There is no formulae for spirit—it grows or it doesn't, but the precursors are not so difficult. Students, good management and something to work for, love and respect.

Students change very little from year to year, Roseworthy itself changes very little—but the management does change. Very little can be said on the aspect without becoming personal or expressing my own ill-considered opinions, as this article has not been written maliciously or to point the bone, but to express my feelings and of third year in general towards R.A.C.

I feel the greatest benefit a Roseworthy Diplomate is given is being lost. This is something I feel deeply about and regret.

A Third Year.

Ed. You are wrong, and many will be pleased that you are.

Roseworthy Old Collegians Association

Office bearers:—

President	J. R. Roe
Past President	J. W. Gilchrist
Vice President	W. S. Edge
Hon. Treasurer	C. W. Hooper
Hon. Secretary	H. V. Stephen
Ex-Officio	R. I. Herriot

Committee:

(Principal)	R. G. Ryan
	R. J. Ford
	C. H. Kay
	J. M. Gore
	R. S. Norton
	T. J. Sobels

R.O.C.A. ANNUAL REPORT, 1964

The past year has been one of steady, if moderate, achievement, which has nevertheless resulted in a more lively interest in Associate Affairs on the part of members, due to a large extent, to the continued publication of R.O.C.A. Digest.

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

Our membership, with last year's figures in parenthesis for comparison, now stands at 581 (565) Life Members, 164 (170) Ordinary Members, 7 (6) Associate Members and 8 (8) Honorary Life Members, that is a total of 760 (749).

It is with deep regret that we have recorded the death of the following members during the past year:

E. S. Davidson	1910
R. S. Harkness	1917-20
R. G. Bennett	1958-61
V. W. Seppelt	1898-1900

I am sure you will join with me in expressing heart felt sympathy to the relatives and friends of those men. The death of Mrs. Callaghan in Washington recently was sad news, and on your behalf I sent a letter of condolence to Dr. Callaghan.

The keenness and energy of the members of the Eyre Peninsula Sub-Branch is heartening to those charged with the responsibility of Administering Association Affairs. In the June issue of R.O.C.A. Digest, the report of the Annual Reunion of this sub-branch at Port Lincoln in March, indicated the enthu-

siasm of the members in that area for promoting the interests of the College and unity and good fellowship amongst Old Collegians. It would be a fine thing indeed, if the same very happy circumstances could be obtained in other sub-branches.

The S.E. Sub-Branch has not divulged whether a reunion was held this year, whilst the upper Murray Group remained in recess.

The R.O.C.A. Award of Merit this year has been awarded to Mr. W. J. Dawkins whose eminence in the field of Stud Stock breeding fully merits such recognition. I heartily congratulate Mr. Dawkins.

R.O.C.A. Digest, continuing as a quarterly publication in a modified form, as directed by the Annual General Meeting last year, has been far more successful than anticipated at the beginning of the year. At that time the Management Committee was wrestling with quite difficult problems of publication and finance and soon after, Mr. Ian Fry (a most energetic Editor) transferred to Melbourne. However, Ross Ford capably filled the breach and as Editor and Chairman of the R.O.C.A. Digest Committee and with the assistance of talented helpers (Messrs F. B. Pearson, W. S. Edge and R. S. Norton), maintained publication at a reasonable cost. This publication has given the Association, and its members a ready source of information, and it has drawn us all closer together. Also it has improved our prestige with the world at large.

On the advice of the Digest Committee, you will be asked later in this meeting to consider whether some advertising in the Digest should be accepted to help defray the expenses of publication. Whilst on the subject of R.O.C.A. Digest, mention must also be made of the late Don Stacy whose untimely death earlier this year was a grievous loss to many, including this Association.

Don had been tremendously helpful and a guiding light to the Digest Committee. We extend our sincere sympathy to his widow and children.

A new swimming pool for the College is just one year nearer to attainment, but, there is still much to do and a lot of finance to find before it can be constructed. This project deserves your full support, and the Gala Day, to be held at the College on the 16th and 17th October next, will present another opportunity for you to help. Get along if you can, spend freely and enjoy a visit to the College and a meeting with Old Collegians and friends at the same time. The Swimming Pool Appeal direct to Old Collegians as such, forecast by my predecessor in office and launched in the June issue of R.O.C.A. Digest has realised £28 to date. To this must be added £83 donated by members prior to the opening of the appeal.

Last year at the Gala Day the Old Collegians Football team was able to defeat the Students. I'm sure the students will be keen to reverse the result this year, so be sure to get there and swell the cheer squad for the old boys.

As a result of careful planning and successful negotiation for higher paying advertisements by Ray Norton, the Manager and members of the Student Magazine Committee, the costs of that publication have been considerably reduced with a consequent saving of R.O.C.A. funds. It is anticipated that costs in future will remain at a relatively low level and the Magazine Committee is to be congratulated on its achievement of an economical publication without reduction in quality.

Your Association was represented on the organizing committee for the A.W. Howard Memorial Appeal, which was sponsored by the Australian Institute of Agricultural Science. You will no doubt recall that you were circularized concerning this appeal. Notwithstanding the fact that many were called upon to support this fund-raising effort, as members of other organizations, the response by Old Collegians was quite pleasing and much appreciated by the organizers.

It was regrettable that I was unable to visit any Sub-Branched or attend the College Speech Day during my term as President of this Association.

Once again there has been no application for the R.O.C.A. Scholarship. This is the third consecutive year without a call on Association funds for this purpose and for this, and other reasons a notice of motion to amend the rules governing the award of the scholarship and its scope has been promulgated for consideration at this meeting.

On behalf of the members of the Committee and myself, I wish to record our sincere thanks to Mesdames, Herriot, Stephen, Roe, Hooper and Edge, who not only suffered an invasion of their homes for Committee meetings, but also regaled us with superb suppers.

In this, the 66th Annual Report of the Roseworthy Old Collegians Association, I extend my gratitude to the members of the Committee, all of whom gave unstintingly of their time and energy to Association business and were most helpful and co-operative to me personally, both during and between meetings.

One always hesitates to give special mention to individuals in a team effort such as the functioning of the R.O.C.A. Committee, but I am sure that other members on that Committee would wish me to acquaint you with their appreciation of the efforts of Harry Stephen who has continued his long term as Honorary Secretary, Geoff Norman whose vigorous and imaginative approach as Honorary Treasurer stimulated our discussions on the financial aspect, Cliff Hooper who, in addition to his guidance as immediate Past President took over the duties of Treasurer when Geoff Norman transferred to Tasmania and Mr. R. I. Herriot who contributed constructive suggestions concerning the Digest and the Old Collegians Scholarship, College matters.

In closing, I wish the Association and all its members a successful and satisfying future.

J. W. Gilchrist,
PRESIDENT

Farmers day and Open day

B. Colby (1961-4) — Beau has been woolclassing and lives at Hawthorn.

B. C. F. Daniels (1962-4) — Brian has returned to the home property at Kyancutta.

P. T. Gallasch (1961-4) — Peter gives his address as Immanuel Theological Seminary, North Adelaide, while attending the University.

R. M. A. Gamble (1961-4) — Roger is working on the family property at Colbinnabin, Victoria.

I. M. Holman (1961-4) — Ian is back at Cockaleechie and mixing farming with outside sheep work.

J. L. Kallin (1961-4) — John is developing a property at Padthaway with pigs as the main feature.

T. G. Klug (1961-4) — Terry is a Jackaroo with the Mutooroo Pastoral Coy.

K. C. Kong (1960-4) — Steve has returned to Malaya.

D. Lawrence (1961-4) — Denis has returned to the home property, Antill Ponds, Tasmania.

J. D. B. Lennard (1960-4) — John is at Loxton with the Loxton Co-op. Winery & Distillery.

P. R. Letheby (1962-64) — Phil is with the Department of Agriculture, Adelaide.

D. Lykke (1962-63) — David is with John Shearer & Co. and stationed at Murray Bridge.

I. J. McKenzie (1961-64) — Ian is working at the Berri Co-op. Winery and Distillery.

M. L. Milne (1962-64) — After a trip overseas Mick has returned to Old Canowie.

R. A. Murray (1961-64) — Tony is employed on a property at Huddleston.

G. A. Paltridge (1961-64) — We believe that Geoff is in Queensland.

R. N. Pedersen (1960-64) — Noel is with the Soil Conservation Branch, Department of Agriculture.

K. A. Pfeiffer (1962-64) — Kevin has joined Renmark Growers Co-op. at Renmark.

T. Stiller (1962-64) — Theo is working in New Guinea.

I. H. Williams (1961-64) — Ian is at College to complete his Diploma.

Farmers' Day and Open Day were held at College this year on October 16th and 17th respectively. The Farmer's Day was a new inclusion in the Swimming Pool Fund Raising programme and although attendance was perhaps not what it could have been, on the whole the day was well received by the farming community.

It took the form of a series of demonstrations and lectures, four of which were running simultaneously giving quite a choice to the visitors. It is to be hoped that this day could become an annual event.

Open day was in the same form as last year, but with more student demonstrations. Again attendance was poor but much interest was shown by those who came.

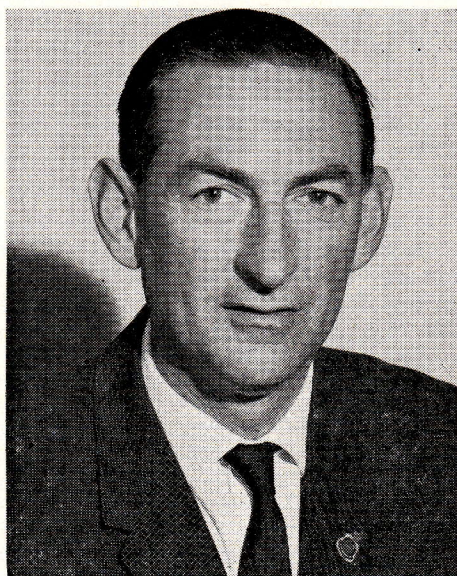
A dance and amateur hour was held on the Saturday night and was probably the part most enjoyed of the two days.

Money raised over the two days amounted to approximately £250 which brings the pool fund to £2,000.



"Gabe" and the crew "on location"

Introducing the President



The President of R.O.C.A., Mr. Geoffrey Palmer Roe, B.Ag.Sc., R.D.A., C.I.V. has acquitted himself well and is an old student of whom the College and the Association can justifiably be proud.

Born in May, 1920, Geoff entered the College in 1937 after attending Scotch College and the Port Lincoln High School. Extracting from the 1941 Student:

"He has had a particularly successful career here, having been Dux of first year, runner-up in the second year, and was Dux of the Diploma class. Besides gaining the Gold Medal he thoughtfully acquired the Old Student's Cup and many other prizes."

After a relatively short period as Assistant Farm Superintendent at the College, he enlisted in July 1941, and served with the 219 Armoured Regiment.

At the close of hostilities he joined the Department of Lands where he gained promotion as a member of the Land

Board in October, 1959, having spent some years on work connected with War Service Land Settlement (overseer Eight Mile Creek November, 45)—and Supervisor Land Settlement, Penola, 1950, with Land Development Branch, April, 1956. In addition, since 1961, he has been a member of the Advisory Committee on Soil Conservation.

Mr. Roe was not content to rest on the laurels of his R.D.A. but from 1947 to 1950 he took leave without pay to take the Rehabilitation Course at the Adelaide University where he gained his Bachelor of Agricultural Science Degree, he completed a special Departmental Course on Supervision and Management at the then School of Mines in 1959 and succeeded in gaining his C.I.V. on a Valuers Course over the ensuing three years and is currently a member of the State Board of the Commonwealth Institute of Valuers.

He is a Life Member of R.O.C.A., his membership dating from 1940 and he has served on the Committee of the Association since 1958. As a member of the Committee, Geoff had a good deal to do with the drawing up of conditions for and the initiation of the R.O.C.A. Award of Merit and also the initial negotiations and groundwork in the launching of R.O.C.A. Digest.

His active interest and participation in R.O.C.A. affairs and his work with the Department of Lands which takes him far and wide over the State meeting Old Students in many walks of life, primary producers over a wide range of activities and professional men, gives him the right background to bring sound thinking and direction to R.O.C.A. during his term of office.

A member of the Australian Institute of Agricultural Science, he also finds time to serve the Community in his District as a member of the School Committee.

We wish him and the Association success and progress in 1964-65.



Notable Old Collegian

Mr. Wheaton was secretary of the Methodist Church Trust for over 30 years and circuit steward. He was a foundation member and first Chairman of the MacGillivray branch of the Agric. Bureau in 1911 and in 1932 appointed a life member. He was elected Chairman of the Bowling Club committee and supervised the laying down of rinks and the building of the clubhouse. He has been a J.P. for over 30 years.

Robert Wheaton, O.B.E., J.P., D.D.A.
Born Redhill, S.A., 1887

The number of farmer's sons who attended R.A.C. in the early decades of this century were very limited. Robert Wheaton was one; born and reared on his father's farm in the wheat growing district of Redhill in the north of S.A. His predecessors were English farmers, of no mean calibre, and today many of his relatives are prominent agriculturists in Britain.

Bob won a scholarship to Roseworthy in 1903, gained his diploma in 1906 and has spent his life on the land at MacGillivray on K.I. since 1908.

Learning and adopting the best early known methods of scrub clearing, he was the first to apply scientific knowledge gained at Roseworthy, to the Island and to apply subsequent findings of agricultural scientists. He was the first to grow and graze turnips, the Appila strain to Wimmera Rye, showing the way to other settlers. His pioneering work was greatly appreciated by the late W. J. Shafford, and further to this his general influence in the community resulted in his appointment by the Queen in June, 1958, to the Most Excellent Order of the British Empire. His record reads:

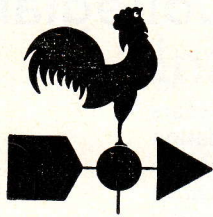
First elected a member of the Kingscote District Council in 1913, served for 26 years, 12 as Chairman. He was Chairman of a committee elected to raise money for the nursing home at Kingscote when there were no such facilities. When the money was raised and the home built, he continued as Chairman of management for 11 years.

In any work he has been ably supported by his wife and as a farmer found time to assist his neighbours with any problems.

At the time of the citation, he was just coasting, being on the Church Trust, the Soldiers' Memorial Park Committee, the Bowling Club committee and actively interested in the MacGillivray Football and Cricket Club for which naturally he helped clear the land and set out an oval and pitch.

It appears that the only time he spent resting was travelling to and from meetings or charring one.

So far as the College and the Old Collegians Association is concerned, he has been a consistent quiet supporter for their welfare and a regular attendant at Re-Union. He sent two of his three sons to Roseworthy to gain Diplomas. Frederick Howard Wheaton gained his Diploma in 1931 after two years, but gave his life in Tobruk. Eric Wheaton, 1934-37, Diploma, is now farming in the Hundred of Haines on K.I.

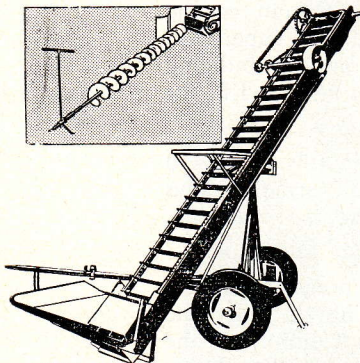


EAST BROS

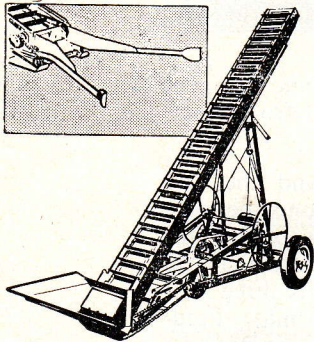
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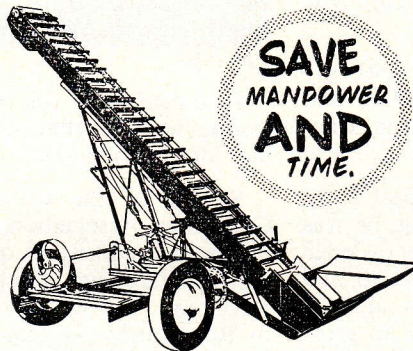
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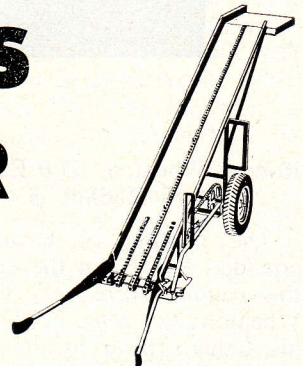


• **TD (through delivery) ELEVATOR** with 16 ft. or 18 ft. conveyor, handles bulk or bagged grain, baled hay. Available with auger sweep and bale pick-up attachments.

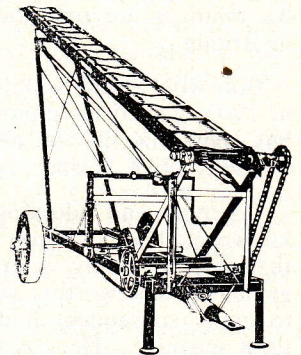


• **SD (side delivery) ELEVATOR** with 14 ft. 10 in. conveyor. Handles bulk or bagged grain, height adjusts either end. Auger sweep can be attached.

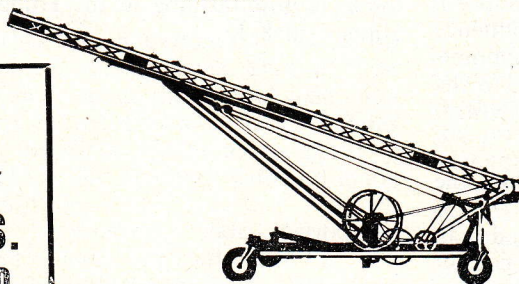
SAVE
MANDOWER
AND
TIME.



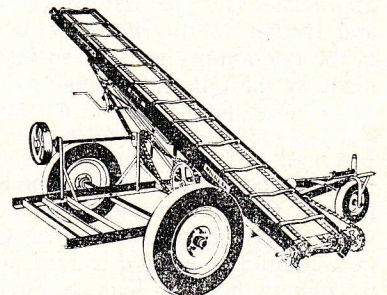
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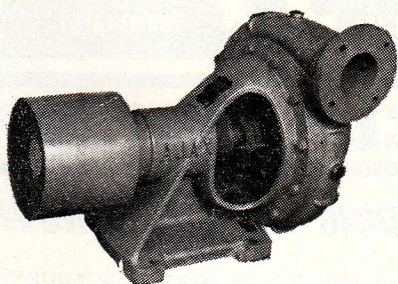
PUMPS!



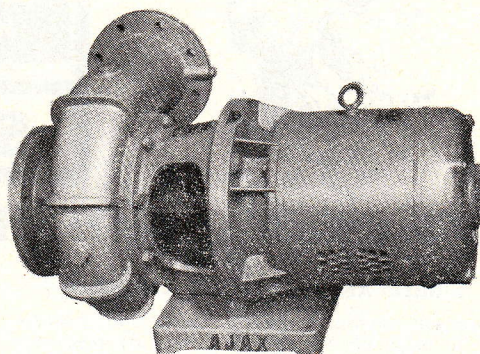
PUMPS!

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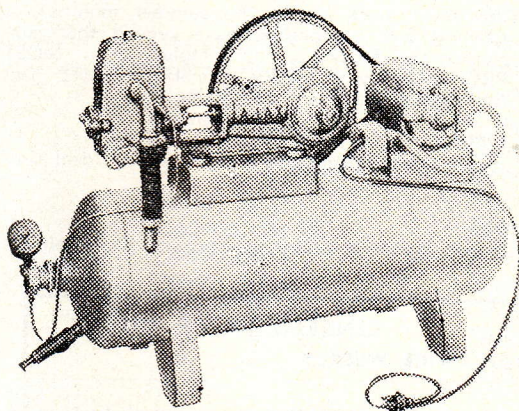
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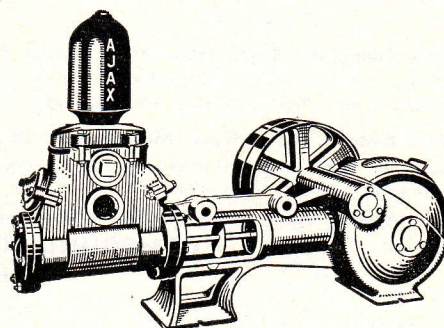
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You cash in on the high wool growth potential of the entire flock during the summer months. Leading S.A. pastoralists have proved that supplementary feeding is profitable . . . MOST PROFITABLE with MEGGITT'S SHEEP NUTS. Get full details today.

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Student Roll 1963-64

AGRICULTURE

III YEAR

Adderly, D. N.
Bidstrup, I. L.
Brown, R. M.
Campbell, R. G.
Crome, G. C.
Eyre, J. R.
Farquhar, B. D.
Fewster, R. W.
Flynn, J. L.
Ford, P. W.
Gee, S. T.
Green, T. W.
Hill, B. A.
Hogg, E. S.
Holder, K. W.
Laffer, J. B.
McGown, W. J.
Soo, F. N.
Stanley, D. N.
Swaby, B. A.
Townsend, J. D.
Turner, W. R.
Watt, I. R.
Winter, P. J.

II YEAR

Baker, B.
Baldwin, R. D.
Cawthorn, J.
Clarke, M. L.
Cocker, P. F.
Cowley, K. R.
Gill, J. A.
Herriot, J.

Hughes, N. J.
Kidd, D. W.
Kleeman, D. O.
Kuerschner, M. J.
Lawes, B.A.
Liebich, R. E.
Mannion, P. F.
Mitchell, N. J.
O'Donnell, C. D.
Ransom, D. K.
Sampson, R. J.
Shepherd, B. W.
Smith, A. C.
Snell, L. G.
Spry, B. R.
Thomas, B. H.
Thyer, L. B.
Young, G. B.

I YEAR

Anderson, I.
Carty, R.
Clancy, R. I.
Clements, R. M.
Cooney, C. J.
Cooper, C. J.
Cooper, D. J.
Cooper, M. J.
Curlewis, J. H. C.
Doube, A. J.
Freeman, M. O.
Gaitskell, C. E.
Gourley, P. W.
Greenfield, P. W.
Hatherly, W.
Hoey, A. W.

Humphris, P. D.
Keain, K. T.
Klingberg, J. R.
Lawton, J. L.
Lewis, T. R. S.
McClintock, P. J.
McGowan, C. J.
Merckenschlager, M.
Miller, R. T.
O'Connell, J. R.
Oldfield, D. J.
Osborne, R. J.
Osman, H. J.
Pannach, D. D.
Pattinson, K. W.
Pfeiler, G. R.
Pickett, I. J.
Piercy, W. L.
Stacy, R. T.
Twigden, T. K.
Wake, D. R.
Ward, W. W.
Westbrook, K. D.
Western, I. C.
Wigney, B. L.
Woods, M. J.
Wright, P. S.
Young, T. H.

OENOLOGY

Cook, G. C.
Ellam, D. B. D.
Klose, P. P.
Knappstein, A. T.
Thomas, W. S.
Wall, P. J.