

"Et conflabunt gladios suos in vomeres et lanceas suas in falces."

AGRICULTURAL COLLEGE

ROSEWORTHY, SOUTH AUSTRALIA.

Ministerial Head:

The Hon. MINISTER OF AGRICULTURE.

Governing Council:

A. M. DAWKINS, J.P., Chairman.

F. COLEMAN, J.P.

A. E. V. RICHARDSON, M.A., D.Sc.

L. T. COWAN, B.Sc.

A. J. PERKINS

D. A. LYALL

W. J. ADEY

H. C. PRITCHARD, A.F.I.A., Secretary.

ADMINISTRATIVE STAFF:

Principal:

A. R. CALLAGHAN, D.Phil., B.Sc. (Oxon.); B.Sc.Agr. (Syd.)

Housemaster, Secretary, and Accountant:

W. H. COWPER, A.I.C.A.

Lecturer on Chemical and Physical Sciences:

A. R. HICKINBOTHAM, B.Sc., Dip.Ed., A.A.C.I.

Lecturer on Botany and Mathematics:

G. H. F. CLARKE, B.Sc.

Assistant Farm Manager:

A. E. GURNER.

Plant Breeder:

E. J. BREAKWELL, B.Sc.Agr.

Poultry Superintendent:

F. W. GILBERT

Superintendent of Dairy:

R. BAKER, R.D.A.

Laboratory Assistant and Librarian:

J. P. EGAN

Superintendent of Vineyard and Orchard:

J. L. WILLIAMS, R.D.A.

General Mechanic:

H. R. NOURSE

Farm Manager:

O. BOWDEN, R.D.A.

Gardener:

W. G. FAIRLIE

Field Officer:

S. R. KLOSE, R.D.A.

Medical Officer:

Dr. J. B. GILLEN, Gawler

OLD COLLEGIANS' ASSOCIATION.

Patron: SIR JOHN MELROSE.

President: Mr. P. J. BAILY.

Vice-President: Col. D. FULTON.

Committee: Dr. A. E. V. RICHARDSON, Messrs. R. HILL, R. C. SCOTT, A. B. CASHMORE,
G. JACKSON, N. R. QUINN, T. O. MITCHELL, F. COOPER, N. J. McBAIN.

Auditor: Mr. H. C. PRITCHARD, A.F.I.A.

Secretary and Treasurer: Mr. J. L. WILLIAMS.

STUDENTS' ROLL LIST.

III YEAR.

Allan, A. W.
Angove, P. C.
Arnold, E. A.
Coleman, W. O.
Gunson, A. W. M.
Hagley, R. E.

Hursthouse, J. W.
Jones, R. H.
Richards, M. H.
Ryan, H. T.
Ryan, K. T.
Woodroffe, K.

II YEAR.

Chaffey, W. B.
Geddes, R. G.
Green, R. L.
Hay, R. C.
Jacobs, L. T.
Jones, M. W.
Minhard, P. F.

Newland, J. H.
Pollitt, M.
Prowse, D.
Savage, E. C.
Sutherland, L. R.
Turner, R. J.

I YEAR.

Alcock, A. E. A.
Barbary, J. C.
Chamberlain, H. V.
Cowley, R. W.
Dawkins, M. B.
Donohue, L. L.
Gilchrist, J. W.

Griffith, D. L.
Hackett, W. M. C.
Jenkins, G. S.
Kain, K. K.
Kay, G. C.
Kemp, H. R.
Mackay, C. R.

Mann, L. S.
McNeill, E. B.
Michell, E. T.
Muirhead, D. B.
O'Neil, J. M.
Orchard, E. H.
Roberts, R.

Robertson, J. D.
Robertson, R. L.
Sprod, M. J.
Stephens, C. A.
Ward, S. A.

OFFICE-BEARERS, 1933-34.

President of all Committees: The Principal.

"The Student" Committee—

Manager: Mr. A. R. Hickinbotham.
Editor: K. Woodroffe.
Sub-Editor: P. C. Angove.
R. H. Jones, E. C. Savage, H. R. Kemp.

Councilmen—

Third Year: A. W. Gunson.
Second Year: M. W. Jones.
First Year: G. S. Jenkins.

The Sports Union—

Chairman: The Sportsmaster (Mr. R. Baker).
Secretary: A. W. Gunson.
Treasurer: Mr. B. C. Philp.

Delegates—

Football: E. A. Arnold.
Cricket: H. T. Ryan
Tennis: W. O. Coleman.
Swimming: M. H. Richards.
Rifles: P. C. Angove.
Athletics: K. T. Ryan.
Golf: K. Woodroffe.

Football Committee—

Manager: Mr. R. Baker.
Captain: W. C. John.
Vice-Captain: K. T. Ryan.
Secretary: E. A. Arnold.
D. Prowse, R. G. Geddes, G. S. Jenkins.

Tennis—

Captain: O. Coleman.
Vice-Captain: M. W. Jones.
Secretary: O. Coleman.
J. W. Hursthouse, R. G. Geddes, G. C. Kay.

Cricket Committee—

Manager: Mr. J. L. Williams.
Captain: H. T. Ryan.
Vice-Captain: K. Woodroffe.
Secretary: R. J. Turner.
J. W. Gilchrist, E. B. McNeill, K. T. Ryan.

Swimming—

Manager: Mr. F. W. Gilbert.
Captain: D. Prowse.
Vice-Captain: R. G. Geddes.
Secretary: R. G. Geddes.
E. A. Arnold, M. H. Richards, E. H. Orchard.

Athletic Sports—

Manager: Mr. J. L. Williams.
Joint Secretaries: K. Ryan, J. W. Hursthouse,
R. J. Turner, R. C. Hay, E. B. McNeill.

Golf—

Manager: Mr. A. R. Hickinbotham.
Secretary: K. Woodroffe.
R. E. Hagley, M. W. Jones, P. H. Minhard,
L. S. Mann.

Social Committee—

Manager: Mr. W. H. Cowper.
Mr. F. W. Gilbert, A. W. M. Gunson, E. A.
Arnold, J. H. Newland, L. R. Sutherland,
L. S. Mann, and D. B. Muirhead.

Rifles—

Captain: W. R. Haydon.
Treasurer: W. G. Fairlie.
Secretary: A. E. Gurner.
P. C. Angove, L. R. Sutherland, R. L. Robertson.

Wireless—

A. W. Allan, R. J. Turner, L. S. Mann.

Editorial.

THIS BUSINESS OF EDITING A MAGAZINE.

To return from a temporary absence and find oneself elected to the exalted office of Magazine Editor must be one of the most exhilarating joys known. Fired with editorial zeal, I at once adjourned to the Library to gain some idea of my prospective duties.

On consulting the dictionary I found that an Editor is "one who edits." "To edit," it is stated, "is to superintend, revise, correct, and prepare a magazine for publication." The superintending sounded easy, for I had seen various superintendents at work before, but "revise, correct, and prepare," raised a few momentary doubts. Little did I dream, however, of the nerve-racking worry and sleepless nights that were to follow.

Contributions came in sparingly at first, then grudgingly, and finally not at all. Half of those received abused the Editor, the other half pleaded to be published. The remainder (and this is mathematically exact) were corrected, revised, and sent back to be rewritten. Some were corrected, revised, and sent back again. Rewritten, revised, and corrected once more, they are now fit to be published if corrected, revised, and

rewritten. Having had this experience, I think that the dictionary falls short in its definition and does not give any indication of the sterling qualities needed in an Editor. Tact, a cheerful face in spite of all the idiocies that confront one, the ability to climb innumerable stairs, and the constitution to stand miles of walking are only a few of the attributes demanded (Mr. Webster, please note).

Then there was the matter of an editorial. I envy those editors of the daily papers who produce a leader per day. Still, no doubt, the first hundred are the worst. So far I have written only ninety-nine for this edition. We are thinking of publishing a magazine composed entirely of a selection of editorials discarded during the last two or three years. Maybe they will amuse you, or perhaps they will move you to tears.

There is a serious side to this work of publishing the Magazine, and you must realize that, when you have elected an Editor and Committee, your interest should not cease there. You must send in contributions fit to be superintended, revised, and corrected. Students, awake! and endowed with limitless enthusiasm, fortify that boundless optimism that imbues every holder of this office.

Current Events.

The Magazine Committee has again found it impossible to publish more than one issue of "The Student" this year. However, we confidently anticipate that we will have a much enlarged enrolment next year, and, further, the Old Students' Association is now finding it possible to increase its support, so that we have every hope of being

able to print two issues—one each session—next year.

This year has seen many changes at the College. The curriculum has had a thorough rearrangement, and in future, a student who can pass from the first to the second year is not likely to fail in his diploma, for examinations in the important primary sub-

jects, which determine his natural aptitude for agricultural work are placed before him at the end of the first year's training. Also, professional subjects receive a larger percentage of marks than non-professional ones.

It was pleasing to find, at the beginning of the year, a hundred per cent. increase in the number of First Year students over the number last year. They arrived at the College a week before the remainder of the students and settled down to work.

This year the fallows were in ideal condition for seeding, which was finished in the middle of June, the weather conditions throughout being excellent.

Crouch's "C" was a subject of much discussion earlier in the year. This usually weedy paddock was sown very early, 24th March, with Ford, and under good growing conditions it made a rapid growth, so that many people wanted it fed off. Fortunately, the Principal refrained from feeding it in case the sheep ate the wheat and left the weeds; it developed into a dense well-headed crop, and finally yielded almost 30 bushels per acre.

Many of the old field experiments have been reduced, and new work has been introduced. One interesting fallowing experiment was started last year in a corner of Nottle's "A." It took the form of a large square (an acre) divided into twenty-five plots, so that each experiment could be repeated five times. Some of the plots were cultivated in the usual way, others not cultivated but weeded by hand, others treated at different intervals of time, and some not worked at all. The plots were seeded as part of the paddock with "Nabawa," and now that the crop is in full head the pattern of the square can be seen, due to the failure of the unworked plots to finish. It is hoped that data obtained from these plots will also clarify to some extent the problem of the exact functions of fallowing, and of different workings.

Grainger's "C" was badly infected with "take-all" last year, and by sowing oats in the paddock this season, it is hoped that the ground will be rid of the disease.

Experiments to determine the effect of soursob on a growing wheat crop were commenced earlier in the year. A number of small plots were measured in Day's "C," and at regular intervals throughout the growing period; a census was taken of the exact position of every weed and plant in the plot. Unfortunately, a thorough cultivation before seeding killed off most of the soursob, and so reduced the amount of information available from this experiment.

The Agricultural Colleges' Intercollegiate Sports were held this year at R.A.C., reports of which will be found elsewhere in this issue.

Messrs. T. A. Cole and V. Fairbrother resigned at the end of June, and the students gave them a presentation of an inscribed gold pencil and silver cigarette case before they left. They are both missed among the students. Mr. Cole was Captain of the Rifle Team, and he did a tremendous amount of work for the benefit of the Club. We take this opportunity of wishing them the best of luck in their new occupations.

Extensive road-making and general improvements have been carried out during the winter months. The stalls of the stables have all been taken down, except for a couple left as loose-boxes on the southern side. New rubble has been put down, and a new fence put around the stables, giving them a fine neat appearance. A road has been built in place of the boghole at the entrance to No. "8," and the first section of a road stretching from the College along the side of the old oval to the farm has been laid. The road leading to No. "4" has been rooted up and relaid with new material.

The walls of the byres have been remortared and grey-washed, giving them an improved appearance.

The fences between the plots in No. "4" were badly in need of repair, and as the experiment carried out in the paddock had been going long enough, all the posts were pulled out. Ridges remained, indicating the position of the fences, but by working implements across them they will gradually be levelled.

Several new implements have found their way to the College. A large spring-tyne cultivator was borrowed, and another one bought to enable the fallows to be run over quickly. We have also bought a large rigid-tyne cultivator.

Talking of cultivators, it is proposed to start an experiment shortly to compare the value of the rigid and spring-tyne implement. Mr. Nourse made a two-furrow plough in the shop for use in the vineyard. He has just completed a small stripper, to be used for harvesting the stud seed plots. It has a cut of three feet and is drawn by a single horse, an auxiliary petrol engine working the mechanism. The latest arrival is a new winnower, for use in the stud seed work.

The yard behind the Mechanic's Shop was cleared of rubbish early in the year, and all the old out-of-date implements lined up in the cleared space. Since then the weeds have grown over everything. It is a pity there is not a building on the College that could harbour the old machines, for an interesting, instructive, and valuable collection of farm antiques could be made, not only for the benefit of the students, but for all the agriculturally-minded people who visit the College.

We have had many Agricultural Bureaux visiting the College during the year to inspect the farm and see the work being carried out here. Dozens of them came; in fact, during one particular fortnight, a visit was made on every day except two, which is sufficient to show the interest being taken in the College by the farmers.

The Winter School for Farmers was held during the first term holidays, and thirty-seven farmers, young and old, attended. During the morning of each day they were given lectures of general agricultural interest, in the afternoons they had practical demonstrations on the farm, and the evenings were devoted to lantern lectures. It was a very successful school, and every member left well satisfied with the College and the very important work that it is carrying out.

We were pleased to see Mr. Gilbert's name in print last December, and we congratulate him on being selected as the resident J.P. for Roseworthy.

Since the gramophone was installed last year, the records were continually being lost and getting broken. To remedy this, Newland gave up a considerable amount of his spare time to the construction of a cabinet which has been placed next to the gramophone, for the purpose of storing the records. The corridor wireless has been remodelled and entirely enclosed with three-ply. Now it is quite boot-proof!

The tennis shed has been completed at last by the Third Year students. Work was speeded up owing to the Intercollegiate visit, hence it was finished in record time—almost as fast as the Sydney Bridge, but much more costly.

The College has been considerably brightened by the appearance of the new blazers. The students no longer wear "mourning-coats," but have changed over to the pink-and-black striped blazer. Designs were submitted last year by some of the students, and a vote taken for the selection of the final design.

Quite a number of the students were playing golf on the oval some time back, and the interest shown necessitated the formation of a Golf Club. Since then the links have been built, and the Club included in the Sports Union.

The Annual Athletic Sports were held in October, but the Ball that was to follow had to be cancelled, or, to put it more lightly, indefinitely postponed, due to an attack of measles at the College a few days before. K. Ryan beat his own record for the Mile Flat Race—an excellent performance. He was awarded a "Blue" for Athletics, and another for Football, which is the first time a student has received two Blues since the new system of awarding them has been adopted.

Our new Clydesdale stallion, Cyrus, imported from New Zealand, arrived in August, but he could not go down to the Show, because he had not fully recovered from the effects of his trip over in the steamer. His predecessor, Bangaroo Laddie, was sold by auction in July, and a few months ago he carried off first place at the Tarlee Show.

Old Nevis will never be seen pulling a dray through the pigstyes again, for he was sold by auction, together with half-a-dozen other horses, at the Gawler Sales in October.

The Royal Show successes for College stock were not as numerous as last year. Only two places were obtained in the cattle section. Roseworthy Princess 44th, who won her class last year as a two-year-old heifer in milk, only obtained fourth position this year. Corriedale Passion, the Champion Red Poll Cow last year, was unable to go down to the Show, because she was slightly lame in one of her hind legs.

In the Swine Section, a first was obtained for an Aged Berkshire Sow, Roseworthy Illadon. The same animal was also awarded the Grand Champion Honours for a Berkshire Sow. Other prizes were a second for a Large White Yorkshire Boar, from four to nine months, and a second for a Middle Yorkshire Sow. The Tamworth Boar that was Champion last year came down to third in his class this year. A Large White Sow was highly commended.

The Sheep secured a second and third for Southdown Ewes, over two and a half years, a third for a ewe under one and a half years, and a fourth for a Southdown ram over one and a half and under two and a half years. The pens of five fat sheep were awarded a first and a third.

Owing to the demand for a new type of pig on the market, a pair of Canadian Berkshires have been introduced to improve the stock. A Large Black Sow has been obtained as well, but this is merely for demonstration purposes and not for breeding.

Some remarkable fat lambs have been produced from Merino-Leicester ewes by Southdown rams. They were almost a hundred per cent. perfect, and scared competitors from the July Export Competitions until Dr. Callaghan agreed that the College would not be a competitor for the Cooper Cup.

The College exhibited stock at the Gawler Show, and carried off a number of prizes. Princess 44th came second in her class in the Jersey Section. A first was obtained for a Berkshire Sow, Roseworthy Cledilla, a second for the Canadian Berkshire Boar, Waitawa Canadian Black Prince, and a first for a Mid York Sow. For the sheep, a Southdown ewe was awarded a second, and a pen of fat lambs dressed at export weight obtained a first.

Mr. Clarke had a fine exhibit of noxious weeds set up in the main hall, which attracted much attention.

Talking of Shows, it is as well to mention that five of the students motored to Melbourne to take part in judging competitions at the Royal Show over there. The height of their success was reached when they carried off the whole of the awards for the judging of Large White Boars—a creditable performance!

Mercedes left during the first term. Mr. Dawkins is trying to make use of him, and in his place we have a young bull from which good results are expected.

The two bulls, Sprite and Pretty Duke, have been moved to their new quarters at the end of the old oval. These boxes have a much larger yard attached to them, which allows the animals more freedom as well as being more hygienic. To match these is a new stallion's box built alongside. This is used as an exercise paddock for the horse, so that he does not have to be taken for a walk each day.

Mr. Bennett resigned in November, leaving the College without a Veterinary Surgeon. On the evening he left, all the students went over to his home to say "good-bye," and to present him with an inscribed gold cigarette-case. Everyone was sorry to see him go, and wished him well in his new work.

After shearing, part of the dip was blown up and a new one built in its place. The new one has been designed to allow the sheep to be fed into it with as little manual labour as possible, and consists of a large basin about five feet in diameter at the top, with the usual dip channel leading from it. At the head of the basin is a pair of light swinging doors. The sheep are driven along a race at a tangent to the basin, and as they come in line with the dip they are pushed sideways through the trapdoors into the basin.

So successful was the stack-silage last year that it was decided that some more stacks should be built this year. Two round stacks were built in Day's A and B. To lessen labour, a "grab" worked by a horse, was erected alongside the stacks to lift the green fodder from the ground to the top. Sweep rakes brought the material from the field, as they were quicker than trolleys, the fodder not having to be lifted any considerable height. The growth of burr clover in Day's was remarkable. The paddock was fed off until the middle of April, and then closed. The heavy dressing of superphosphate used last year caused a thick growth of clovers and self-sown oats, which

were cut with the mower. A special set of trailing rods was attached behind the mower, which delivered the pasture in long rows, to be "stooked," then collected by the rakes. The two stacks contain about 260 tons of silage.

Two more stacks were put up in No. 5, using wheat and barley from No. 4, and some oats from No. 5. One of these stacks was built on a circular base, and the other one built between two rows of parallel poles. The two silos have been filled as well, making a total of 700 tons of ensilage made this year.

After silage-making, the "grab" was set up near the east fence of Day's A and B, and used to build a stack of "meadow hay." This was made of very similar material to that in the ensilage stacks, but it was stooked and allowed to dry out.

The feeding value of silage made in different ways has been determined in the laboratory, and the results show that the stacks produce a fodder quite as good as the silos, and that the percentage loss can be kept very low.

Mr. R. Beckwith has been doing a considerable amount of work in the laboratory on yeast culture lately, but now he is spending a short period in a commercial laboratory in Adelaide. Mr. S. R. Klose has also left his position of Cereal Cadet, but only to be promoted to Field Officer. W. C. John came back early this year as a cadet in the laboratory, and has been carrying out much work in testing the qualities of different wheats. For this, the Pelschenke Test is used. Some valuable data has been obtained, and it is expected that the test will be an important item in our cereal work in the future. It is interesting to note that some of the experimental results have also been obtained independently by Mr. Breakwell, who worked on specially-grown samples.

Cereal-breeding has started in earnest at the College this year, many crosses being

made. Mr. J. Breakwell has come from N.S.W. to do this work, and we welcome him to the College, and hope that he meets with success in his work.

The production of seed-wheat has been started on a new system. In the breeder's paddock, several plants of a variety are selected true to type and character. In the following season, the seed from these plants is sown in five twelve-foot rows. The two outside rows are buffers, and the three rows between these produce "selected bulk" for next year's "stud rows." These rows are ten chains long. The grain from these is then sown in the field in "stud strips" between buffer crops of the same variety, called "pedigree crops." The "stud strips" produce the next season's "pedigree," which in turn gives the following year's "commercial crops," grown as buffers to the "pedigree." This is the grain that is sold to the farmer as seed-wheat.

Recently a number of books were introduced to the library. These comprised the whole of the Agricultural portion of the late Professor Lowrie's library, and they afford an excellent memento of the man who did so much for the College, and now he will be remembered for all time by visitors to the library.

The water bill has been excessive on the farm, and to economize, some of the irrigation plots have been abandoned. These were suffering from the effects of salt, and were not growing enough to warrant the amount of water used on them.

A new area in No. 15, comprising about fifteen acres was cleared, sub-soiled, and prepared for planting to vines during the year. About two and a half acres were

planted in August, planting distance 10 ft. x 12 ft. This area is being set aside for a long-time manurial trial, and is laid out on a strictly scientific basis. The vines under test are "Grenache," and the barrier rows are "Tokay." The remaining portion of the area will be planted to white varieties next season. Cuttings for this purpose are being rooted in the College vine nursery.

Approximately fifty young apple-trees were planted in the orchard this season. Most of them were "Cleopatra." They will furnish material for pruning demonstrations and practice in the future.

Last, but far from least, are the Doctor's parties. He has invited a party of students to his home once each week for a social evening, but lately he has invited a party of young ladies as well, who try to teach us to dance! These outings form the topic of conversation for weeks after. It is very kind of Dr. and Mrs. Callaghan to arrange them, and we hope we have not taxed the girls' patience too far!

E. C. Savage.

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Exchanges.

We beg to acknowledge, with thanks, the receipt of the following School magazines:—The Hawkesbury Agricultural College Journal, The Dookie Collegian, The Longerenong Collegian, The Muresk College Magazine, Canterbury Agricultural College Magazine, St. Peter's College Magazine, Gatton College Magazine, Prince Alfred College Chronicle, Scotch College Magazine, Adelaide High School Magazine, Christian Brothers' Annual, Adelaide Teachers' College Magazine, The Echo, The Australian Intercollegian.

The Principal's Address.

SPEECH-DAY, 1932-33.

There was a number of outstanding changes forecast in the Principal's Speech-day address. The announcement of a complete rearrangement of the curriculum was undoubtedly the leading feature, and the changes, besides being of vital moment to students, are of great interest to those who have already been through the College. For the sake of Old Students, therefore, the following extracts are given in full from Dr. Callaghan's report:—

"In the first place the College year in future shall be divided into two half-yearly sessions, instead of three shorter sessions as in the past. This offers several distinct advantages, chief of which are that it guarantees a greater number of lecture weeks, as well as greater continuity in instructional work, and it reduces the number of examinations held by one-third. The first session of each academic year shall begin during the second week of April, and the session will close at the end of July. The first two weeks in August will constitute the winter vacation and during this recess the farmer's winter school will be held. The second session of the year will begin during the third week of August, and will close about the end of the first week in March."

"The re-arrangement of subjects, coupled with the changes in the examination system, have been rather drastic, but the alterations in general are based on sound educational principles. Prior to the changes, no less than twenty subjects were listed on the curriculum, and it only required a cursory glance over these names to realize that it would be impossible to teach so many such important subjects in the small space of three years, especially if one remembered that during those three years half the time was devoted to practical work.

"A number of subjects, such as Bacteriology, Entomology, Veterinary Anatomy, Veterinary Physiology, Veterinary Hygiene, Aviculture, Surveying, Building Construction, were previously given distinct identity and Diploma standing. My contention is that we have neither the time, the equipment, nor the staff to deal with these subjects as such, nor do I consider a full technical training in them part of the functions of an Agricultural College. Going over the list of twenty subjects I was able to reduce the number to ten major subjects by allowing them absorb the remainder. The ten subjects we now profess to teach will be taught in a first-class manner, and I feel happy and confident in placing them in any prospectus.

"The subjects of Bacteriology and Entomology will in future be dealt with under the various applied subjects. For instance, students will learn of the nature of bacteria in their Botany, and in Agriculture they will receive sufficient instruction in soil bacteriology to enable them to understand clearly the part such organisms play in the functioning of the soil, in dairying they will be made fully conversant with the importance of bacteria in that industry, and in Oenology they will also receive the necessary bacteriological instruction. Similarly, Economic Entomology will be dealt with under all subjects concerned.

"Physics will no longer be taught as such, but soil physics will be treated as portion of Agriculture, and a course in farm mechanics will be substituted for the remainder of the old Physics course. The instruction in farm mechanics will be given as part of the main subject of Farm Engineering, and under this same heading elementary surveying and levelling, building construction, and an introductory course in mathematics will be included.

" Besides dealing with the technical and economic aspect of live-stock operations, Animal Husbandry will also incorporate instruction in elementary veterinary science, absorbing the previously taught subjects of Veterinary Anatomy, Veterinary Physiology, and Veterinary Hygiene, and it will also include Aviculture and Wool-classing.

" Another important change is the division of subjects taught into two major groups: (a) Professional or Diploma subjects; and (b) Basic Sciences and accessory subjects. The professional group is made up of six subjects, namely, General Agriculture, Animal Husbandry (including Elementary Veterinary Science), Dairying, Viticulture, Fruit Culture, Oenology (optional). The second group includes special science subjects, a knowledge of the elements of which is more or less essential to an intelligent understanding of the professional

subjects. This group includes Agricultural Chemistry, Agricultural Botany, Farm Engineering, and Farm Book-keeping."

" Further, the teaching of subjects in their natural sequence has been planned with the object of sustaining interest, and at the same time making sure that the foundations are laid before the main agricultural work begins. To achieve this, all final examinations in subjects other than professional subjects will be held before the close of the second year of studies. This will give an added advantage, for it means that third-year work will then be devoted to the professional subjects of Agriculture, Animal Husbandry, Dairying, Fruit Culture, Viticulture, and Oenology. Such an arrangement will enable students to realize the importance of their first two years, it will be a visible sign of their progress, and it will give them opportunities to develop a true



DIPLOMA CLASS, 1933-34.

Standing—J. W. Hursthouse, H. Ryan, W. O. Coleman, K. Woodroffe, R. E. Hagley, M. H. Richards, K. T. Ryan, A. W. Allan.

Sitting—E. A. Arnold, A. W. M. Gunson, Dr. A.R. Callaghan, P. C. Angove, R. H. Jones.

agricultural outlook, to think agriculturally and appreciate more of the finer points of their profession."

"In addition, the idea that every subject taught should count a certain number of marks in the diploma aggregate has been dispensed with, and only the six professional subjects which are finally examined in third year contribute a definite number of marks. On the other hand, sessional examinations have been made to count a proportion of the annual result, and the annual results to count a proportion in the final diploma results. In this way very good, or poor, effort on the part of a student is reflected in his diploma; it thereby offers an incentive to students to do their best throughout the course. It should largely prevent that tendency on the part of some to slack during the early part of the course."

Other matters relative to College discipline and his own appointment were dealt with in a breezy style by the Principal; this afforded a fitting relief to the more intense theme of his policy of rehabilitation.

The report dealt with another matter of very general interest in the educational qualifications required in prospective students; the following extract expresses succinctly the opinions expressed:—

"The higher the degree of intelligence and the sounder the educational foundation the better chance we have of making a sound agriculturist. I maintain, and not without good reason, that many prospective students would do better if they left their specialization until they reached the College. We are here to teach agriculture and kindred subjects. The boy who has neglected his general education before coming here, merely to glean something of what we are to teach in detail, is at a great disadvantage, in my opinion, over the lad who comes thoroughly equipped with a sound schooling in fundamental education, and yet who knows nothing of agriculture. There is a common tendency to specialize too early, thus

leading to neglect of general education. A sound fundamental education is just as essential for success in agricultural pursuits as it is for success in any other profession."

Another item of interest to Old Students, surely—"Food requirements of students of Roseworthy calibre are phenomenal, and their complete satisfaction important, for I well know that the reflex action of the stomachs of undernourished students find very ready expression. The wholesome food prepared and served has, I feel, been a most effective influence on College discipline."

The usual courtesies were extended, students congratulated, and thanks tendered. In general, the report reflected the healthy tone and atmosphere of the College under a new lease of life. The hopeful note of regained prestige was reiterated by parents and others present, and it can be stated with every confidence that the Principal's first Speech-day address was received with genuine relief and appreciation.

* * * *

DIPLOMA LIST, 1933.

Diplomas of the Second Class (in order of merit):—430 Robert Alfred Pownall, 431 John David McAuliffe (with honours in Dairying), 432 Alfred Charles Benzie, 433 Frederick Harvey Hooper, 434 Carleton Pollitt (with honours in Viticulture), 435 Robert Eustace Emery, 436 Hamish Randall Patterson, 437 Walter Clifford John, 438 Charles Worthington Kelly, 439 Robert Laughton Kingsford Horne, 440 Basil Redpath Gee, 441 Harry Musson Woodville Honey.

Not competing in present year, Diploma of the Second Class:—442 Lloyd Arthur Oppatt.

* * * *

PRIZE LIST—YEAR 1933.

THIRD YEAR STUDENTS.

Gold Medal (presented by the Royal Agricultural and Horticultural Society for the highest aggregate in all Diploma subjects):—R. A. Pownall.

Second Aggregate Prize (presented by the College):—J. D. McAuliffe.

Old Students' Cup (presented by the Agricultural Old Collegians' Association for the highest aggregate in Agricultural and Veterinary Hygiene):—J. D. McAuliffe.

Outside Work (presented by the Albert Molineux Memorial Trust):—A. C. Benzie.

Practical Examinations (presented by the Members of the Advisory Board of Agriculture):—J. D. McAuliffe.

Oenology (presented by the S.A. Vinegrowers' Association):—C. Pollitt.

Morphett Medal and Prize for Dairying (bequeathed by the late Mr. A. H. Morphett):—J. D. McAuliffe.

The Haselgrove Prize in Viticulture (presented by the late Mr. C. F. Haselgrove):—C. Pollitt.

Agriculture (presented by the Principal):—J. D. McAuliffe.

Ploughing (presented by the Director of Agriculture):—R. Packer.

Sheep Husbandry (presented by Mr. W. S. Kelly):—H. R. Patterson.

Swine Husbandry (presented by Mr. E. A. Wilcox):—J. D. McAuliffe.

Vine and Fruit Tree Pruning (presented by Mr. C. A. Pollitt):—C. Pollitt.

Identification of Cereals (presented by Mr. W. F. Leak):—R. E. Emery.

SECOND YEAR STUDENTS.

Dux of Year (Silver Medal presented by the Gawler Agricultural Society):—K. Woodroffe.

Second Aggregate Prize (presented by the College):—P. C. Angove.

Agriculture (presented by the Principal):—K. Woodroffe.

The T. G. H. Buring Prize in Viticulture:—K. Woodroffe.

Morphett Prize in Dairying (bequeathed by the late Mr. A. H. Morphett):—P. C. Angove.

Outside Work (presented by the Albert Molineux Memorial Trust):—R. E. Hagley.

Practical Agriculture (presented by Mr. O. Bowden):—P. C. Angove.

FIRST YEAR STUDENTS.

Dux of Year (Bronze Medal presented by Mr. George Jeffrey):—R. C. Hay.

Second Aggregate Prize (presented by the College):—M. W. Jones.

Outside Work (presented by the Albert Molineux Memorial Trust):—R. C. Hay.

Agriculture (presented by the College):—M. W. Jones.

Morphett Prize in Dairying (bequeathed by the late Mr. A. H. Morphett):—R. C. Hay.

Farm Machinery (presented by Mr. O. Bowden):—M. Pollitt.

Menzies Prize (presented by Mr. D. Menzies to the most consistent trier, who has not secured any other prize):—E. C. Savage.

* * * *

The Late Professor Lowrie.

AN APPRECIATION.

Professor William Lowrie, M.A., B.Sc., was born and educated in Scotland, and it was from his native land that he set out for South Australia in 1887 to take up the dual position of Principal of the Roseworthy Agricultural College and State Professor of Agriculture, which had recently been vacated by Professor J. D. Custance. He was a man of both high academic attainments and strong personality, and left a lasting impression on the College and on the farming practices of the State. He was able, at an early stage, to secure the confidence of the agricultural community, and it was very largely owing to his untiring advocacy and clear powers of exposition that we owed the rapid extension of the practice of sowing wheat on one year's well tilled bare fallow, in conjunction with adequate dressings of water soluble phosphates.

There are, too, many of his former students, occupying important positions to-day, who can testify to his ability as a teacher. He left Roseworthy College in 1901 to take up the position of Principal of the Lincoln Agricultural College in New Zealand, and in this position he can be said to have met with the same appreciation as in South Australia. After seven years of service in New Zealand he accepted the position of Director of Agriculture in Western Australia in 1908; and it was whilst occupying this position that he was offered, and declined, the position of first Professor of Agriculture at the University of Sydney, which was subsequently accepted by Professor R. D. Watt. In 1910 Professor Lowrie was offered the position of Director of Agriculture in South Australia, which he accepted, taking up his duties in 1911; he held this position until June, 1914 when he resigned and retired into private life.

A. J. P.

Staff Changes.

In a staff such as ours, though perhaps not quite so large as sometimes reported, it is inevitable that there should be changes in personnel from time to time. In the last twelve months, however, we have lost more of our number than usual.

Mr. W. G. Bennett, B.V.Sc., resigned in October to take up a position with the Tasmanian Veterinary Service. He spent four and a half years on the staff, coming here from Fiji (which fact must never be forgotten), and he lectured in Veterinary and associated sciences, faithfully registered both the marks and the weather (no connection inferred), managed the College tennis and served on the Social Committee. The College and community greatly miss his efficient service in all these activities, as well as his ebullient good nature and cheery greeting. Before his departure he was the recipient of presentations from the staff and students, and it is the sincere wish of all that Mr. and Mrs. Bennett and family will experience prosperity and good-fellowship wherever the future may find them.

Mr. T. A. Cole, D.D.A., served as Experimentalist and Assistant Lecturer in Agriculture for more than five years, resigning at the end of June. He was the Captain of the Rifle Club from its inception, and he represented the College in Cricket, Football, and Tennis. Both he and Mrs. Cole took a great interest in local social activities, and are greatly missed by a large circle of friends from the surrounding district, as well as the College community. We cannot speak too highly of his conscientiousness in all he undertook, and we hope that he will find his new venture—farming near Ballan, Victoria—both congenial and profitable; we can congratulate Ballan on gaining a fine citizen and a splendid neighbour. On leaving, Mr. and Mrs. Cole received presentations from the staff, the students, and the local Scout and Guide Association, in which both had held office.

Mr. V. M. Fairbrother resigned from the position of Assistant Experimentalist during June. He had been a student at the College during the period 1917-20, and joined the staff in March, 1920, giving the College thirteen years of continuous service. During his stay here Vic took a leading part on the football and cricket fields, and was noted for his versatility in all branches of sport. Both Mr. and Mrs. Fairbrother took a prominent part in College social activities, and were extremely popular with both staff and students. We understand that Vic now con-

templates taking up land in the South-East, and we wish him every good fortune in his new venture.

Mr. E. J. Breakwell, B.Sc. Agr. (Syd.) was appointed to the position of Plant Breeder in October. His previous position was at Glen Innes Experimental Farm, N.S.W., as Assistant Plant Breeder to the Department of Agriculture. Educated at Yanco Agricultural High School and Fort Street Boys' High School, Sydney, he matriculated to the University in 1928, and graduated to the Bachelor's Degree in 1932. Mr. Breakwell has already impressed us with his keenness and energy, and we are confident that he will do excellent work in his important branch. He has also found a place in the Tennis and Cricket teams, and we foresee at least equal success with his many outside interests. We wish him a long and prosperous stay at the College.

Mr. S. R. Klose, R.D.A., was appointed Field Officer during September. After attending the Mount Barker High School, he entered the College in 1929, completing the Diploma course in March, 1932. He returned as Cereal Cadet in November, and held that position until his appointment as Field Officer. During his time here he has given good service to the Football and Cricket teams; we look forward to a continuation of these interests, and feel sure that his career here will be both happy and successful.

Mr. R. B. Beckwith, R.D.A., who has held the Cadetship in the Wine Cellars, has recently accepted a position in the Laboratory of T. Hardy & Sons. He filled his position here with conspicuous ability, and gained really valuable experience in general routine, as well as doing special yeast culture studies. We are sure that Ray will give every satisfaction in his new position, and are pleased to know that we are likely to see him here from time to time.

* * * *

Year Notes.

THIRD YEAR.

As we near the culmination of our studies and each begins to think seriously of the future, we realize that our stay at the College has been a happy one. Friendships have been made which it is hoped will not be broken when we leave, each to make a career for himself in various parts of the State. We reflect that there have been dull moments, but mostly our memories are pleasant ones. Some of these more amus-

ing associations I have endeavoured to record below.

We were sorry to lose Neville, who left early in the first term, because of ill-health. Since his departure, the farm road is once more littered with stones, and the magpies have lost that hunted look.

Following the Show, Fogan, our whispering baritone, developed the flu and completely lost his voice. It is rumoured that he lost more than this. On completion of shearing we were pleased to note his rapid return to health.

Incidentally, four others also found the strain of one day's shearing too severe, developing "plumbism" as a result. They left immediately to convalesce in Melbourne. Their modesty regarding successes in Judging Competitions at Melbourne Royal is remarkable.

The skypoo embarked on the trip with his usual cautious "Oi! Oi! What's it worth, mate." In spite of much calculation, we understand the venture was a failure financially, and extend our deepest sympathy.

The Abo. has taken a very active interest in unofficial College Social activities, and is a vociferous member of the Midnight Bridge Club, other members of which are apparently very hard of hearing.

Nipper is certainly a great cyclist. It is unfortunate that he failed to lower the Gawler College record, due, it is said, to some misunderstanding between rider and mount. Two other enthusiasts were also involved in the argument.

We have little to record about Casse, the non-dancing "he man" of the year. In an attempt to intimidate Hilary, he pushed his fist through that worthy's window. Truly, a remarkable feat of strength and intelligence. We might have written a volume about our long friend, only Mr. Baker could not answer Merve's question, "What's that woman's name?"

Buller's taste for the works of Scott was beyond our understanding. Lately we discovered the reason for his undivided interest. "Long live the bold—Chappie."

The Honourable Olaf, our sedulous old sage, possesses a dry wit and a generous nature. The latter is patent in the way he places the tennis shed at the convenience of the Southdown stud, when adverse weather prevails.

Merve once said, "Me and Orrible are the aristocracy of the College." This is certainly applicable to Horrible. That rostrum is very aristocratic, but of course Ted's opinion of the matter will not permit of argument.

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One rainy lecture morning in June, Alf was observed making his way up the corridor at 7.30, with his face buried in a towel, mumbling that, "It looks like clearing up." The outlook is still very damp.

Recently Jacky departed from a quiet and reserved existence, entirely devoid of interesting incidents, by appearing in a scarlet straw sombrero. The popular theory as to the origin of this headgear is that it was given away at a picture matinee, together with an autographed photo of Janet Gaynor.

The year has been well represented in all sports, and was successful in gaining the Inter-Year Athletic Shield. Buller is to be congratulated on breaking his own mile record, and Hursty on winning the Cup. Both secured Athletic Blues, and Buller a Football Blue also.

Finally, to those who follow and succeed to the exalted ranks of the Diploma year, we would offer a few words. Habits will need to be modified, and outlooks elevated to a level, as befits such estate. As such, much of the responsibility of maintaining a spirit of co-ordination and interest in College activities, rests with them. Also the fostering of this spirit in those First Years, who arrive with a distorted impression of their own importance, and a complete disregard of their very low position in the College social scale. This is necessary, so that they may, in due course, merit their office in a similar capacity, and more nearly approach the high standard of studious discretion and refinement which we have attained. These duties we leave in their keeping. We have endeavoured to educate them with this end in view, and, although our methods were milder than those of other days, we are happy to note their due reduction to a more agreeable status. We trust they will respect their responsibilities as "the wise old men" of the College.

* * * *

"The Old Trade's Plyin'."

Jock, he's in his cellar, where the tasting classes go,

(Up behind the oval, don't yer know)

Sittin' 'tween the hogsheads and barrels in a row
And watchin' what our Adam's apples show.

Try 'em by your eyesight, try 'em by your nose,
Moisten up the tongue, then let it go.

Where the old Hock's flowin' and the old Port's glowin';

Though he brews 'em he don't use 'em, and of course he ought to know.

Dolph, he's in the dairy, not a thousand miles away,

(Often as we wish it out of sight)

Sittin' 'mid the bran and the piles of lucerne hay

And dreamin' all the time of Erudite.

Yonder in the grey light looms the milking byres

With Clive and Fred advancin' to and fro,

And the bright pails flashin', and the good milk splashin',

He sees it all so plainly as he saw it long ago.

Alf, he's in his study, marked with number twenty-four,

(An' notice reading, "Work, and do it now")

Editin' contributions stacked in heaps upon the floor,

And moanin' all the time about the row.

Hear him 'mong the First Years, hear him in the hall,

Hear him cursin' down the corridor.

Why waste your time in learnin' when the editor is yearnin'

To chuck your contributions in the box behind his door.

* * * *

"Ex-Students at the University."

The following successfully completed the third year of the course:—

G. D. HUBBLE, who passed all six subjects and secured credits in Agriculture II and Geology I.

L. H. LAFFER, who passed all six subjects. Len was a leading member of Teachers' College Hockey team during this season. He spent the year in residence at St. Andrew's, and is very keen to return there for his final year.

J. C. M. FORNACHON.—Passed all six subjects with credits in Biochemistry and Physical Chemistry. He was a member of the Adelaide Varsity Rowing crew, which visited Sydney in May.

D. S. RICEMAN.—Was successful in all his examinations and gained a credit in Botany II. He played Lacrosse also for one of the Varsity teams.

W. H. McFARLANE.—Was unfortunate in missing Biochemistry, but, like the others, will be able to enter upon the final year of the course in 1934. He, as well as McBain and Fornachon, have been in residence at St. Mark's College.

N. J. McBAIN.—Is working through his degree course gradually. He passed Economics this

year, but still has two third year subjects to get. He was home for the first term this year, and attended lectures in Agriculture III for two terms. He was an outstanding member of the 'Varsity First Eighteen.

The four men who were doing their final year were all successful in obtaining their B.Ag.Sc. degree.

E. M. HUTTON.—Did very well, gaining credits in Agricultural Chemistry and Agricultural Geology, as well as passing all seven subjects. In all probability he will be teaching next year.

H. K. KEMP.—Secured his degree by passing all subjects, together with a credit in Agricultural Geology. He is uncertain as yet in regard to his future movements, but is considering doing an honours course.

T. O. MITCHELL.—Completed a very good all round year. He gained credits in Agriculture III, Agricultural Chemistry, and Agricultural Geology, and he played several matches in the First Eighteen. He has secured a position with the Imperial Chemical Industries, and is at present in Melbourne in connection with same.

C. A. NEAL SMITH.—Secured the same degree, and is at present looking for a position. Intends

taking a holiday to Melbourne prior to entering on the more serious aspect of life. He again spent a most enjoyable year in residence at St. Andrew's.

G. P. DAY.—Is, like V. A. H. Prider, now teaching at Urrbrae Agricultural High School. He passed Agriculture III. He starred at centre in the 'Varsity First Eighteen.

B. R. GEE.—Entered upon the first year of the degree course this year, but was unfortunate in missing his subjects in the examination.

* * * *

Social Notes.

The small dance was held during the first term at the time the Intercollegiate sports teams were here. The word small needs a little qualification, for there were about 350 persons present. The hall was decorated with College colours, and the students made their first public appearance in the new blazers. Our visitors also wore their own College blazers, so that the assembly looked very gay. During the evening Mrs. Callaghan presented the shields, and several short speeches were given by the recipients. Each College team then gave its individual war cry, which produced quite a unique effect. Supper was served as

SEPPPELT'S

ROYAL PURPLE

PORT

usual in the museum, which had been beautifully decorated by Mrs. Callaghan and her willing helpers. The general effect was in gold and brown, autumn tints playing a prominent part. Owing to the immense crowd present, bridge was provided in the library, instead of the reading-room. Many of the older folk availed themselves of the opportunity of a little peace away from the music and crowd. It was in the early hours of the morning before the last car left, and as our Interstate visitors were leaving by drag at 7.30 a.m. we were very soon in bed.

Every arrangement for the Annual Ball had been made when, a week before the appointed date, it was cancelled, owing to an outbreak of measles. We were all bitterly disappointed, and I think some felt that the sports would be a little flat without the accompanying dance. However, a big crowd arrived on the appointed day, and everything went with a swing. The sports were a great success, due to a large extent to the great interest our visitors showed in every event.

We are all looking forward to the Swimming Dance to be held sometime in the New Year. To compensate for the cancellation of the Ball, we are hoping to make this a huge success.

Our deepest gratitude is due to Dr. and Mrs. Callaghan for the most enjoyable times they have given us during the year. All have spent delightful evenings with them, and several jolly dances have been held at their home. We all keenly appreciate what they have done for us, and would like to thank them very sincerely.

* * * *

Morning at R.A.C.

The hour of bright clear skies, when day is born,

Bringing new joy to every waking thing,
Gives colours to the flowers and gilds the corn,
And coolness from the east wafts from his wing;

Clear shines the dew, and birds in ecstasy
Cry to the sun that on earth's distant rim,
Gleams glorious in ascending majesty,
While warmth and friendly comfort follow him.

So quiet lie, so silently drink deep
The transient beauty of this peaceful scene:
Be not of those who, sunk in sightless sleep,
Miss day's chief joy nor know its pleasures keen.

O, that this hour's delight might still endure,
Nor the dull world its tranquil peace obscure!

Light Horse Notes.

During the last twelve months the usual routine of parades proved a pleasant diversion from other College activities. The enthusiasm of the troop was further stimulated by the annual camp at Kapunda, and a week-end at Port Wakefield.

The latter bivouac provided experience in indirect and night firing with the machine guns, carried out under actual field conditions, and for this reason, was much more interesting than target practice on the range. The trip was made during last December, and was also of value from an agricultural standpoint, the crops on the drier, lighter soil types of country near the Gulf, presenting a marked contrast to those in the vicinity of the College.

The Kapunda camp followed immediately after completion of the final examinations last year, and was a welcome break. Heavy rain on the morning of our departure soon reduced freshly polished gear to its normal condition, most of the troop expressing their appreciation of the weather in no uncertain manner. Notwithstanding the wet, the various mishaps attendant with it, and the "wit" of students safely sheltered in barn or implement shed, we eventually moved off in as orderly a fashion as our various mounts thought fitting. A week of training, under ideal weather conditions, in field exercises and firing on the range, followed. The hilly nature of the country particularly favoured the staging of "advance" and "rear-guard" actions, and other tactical exercises, in conjunction with the other units of the Regiment. The troop went into camp only one man short of full strength, and were consequently well to the fore in the above "stunts."

After the camp, those students who had completed their studies at the College, were discharged, the troop commencing this year with ten members, but it was again at full strength by the middle of June. Recruits were very keen, and several voluntary parades were held in the evenings, to familiarize them with the loading and firing of the gun, in preparation for more detailed instruction later. Thanks are due to Sergeant Gurner for his hospitality on these occasions.

On Anzac Day nine members paraded with the dismounted regimental troops, and marched to the Cross of Sacrifice for the service.

During the year the troop has been represented at the Machine Gun and Rifle Competitions, and has had a fair measure of success. In the Vickers' gun competitions early in June, a team of four, under Lance-Corporal Gunson, gained first position in the Tactical Section, points being allotted on leadership, handling of the gun, and the score on various targets. Later, in the same month, Lance-Corporal Gunson secured the trophy for the best aggregate score off the rifle, at the Regimental shoot at Gawler. Others prizes have been taken, in most cases, where members have entered for competitions.

Thanks to good shooting by Trooper Angove, the troop secured an emu skin, with which we have replaced ancient and moth-eaten feathers with headresses, any one of which would provide sufficient plumes for the whole Regiment.

Eight members have already completed the annual course as first-class machine gunners, and most of the remainder should do so when the final stage is fired. Part of the annual marksman's course has also been fired, but the final stages still remain to be completed.

The troop has had a very successful and interesting year's training, and is looking forward to several bivouacs, which, it is hoped, will be arranged in the next few months.

Trips.

Trips! The delight of a Third Year's heart. But alas! This year trips have so far been conspicuous by their absence. No worry, though, for we are told that we will have them all. A "Brewery Trip" has also been arranged to compensate those poor souls who do not attend those trips, the full appreciation of which require a refined nature and palate, to wit, the cenological trips.

The first trip this year was to the Abattoirs, and here the boys learnt what it really was to kill a sheep. With a killing exam. in the near future many are wishing that they were one half, nay just one quarter, as expert as the slowest of those brawny slaughtermen.

Still blood thirsty, our next trip was to the Port Adelaide Export Depot, and here we saw the College entry for the Export Lamb Competition slaughtered. The lambs were practically ideal in conformation, weight, bloom and every other characteristic of a good lamb, and we are pleased to say that with these lambs the College won the Competition.

Our trip to the Messrs. Dawkins' Studs was one of the most instructive. In the morning

Some Recent Scientific Facts :

1. Fallow and super are still the two essentials in *wheat* growing in areas below 20 inch annual rainfall.
2. Yellowing, lack of stooling and failure of stubble sown crops is due to *nitrogen starvation*.
3. Profitable crops of stubble oats or barley are assured only by the application of *nitrogen* as well as phosphatic plant foods.
4. 1:1 Super and Ammonia mixed fertiliser contains the correct balance between phosphate and nitrogen for stubble crops.

Don't waste money on failures. Ensure profitable stubble crops next season by fertilising with

1 : 1 Super and Ammonia

Mr. W. J. Dawkins showed us his Dorset Horns and Clydesdales, and Miss Joyce Dawkins very kindly explained to us the points of her South-downs.

In the afternoon Mr. J. H. Dawkins pointed out to us many of the finest points of judging a dairy cow, and to help him he had his own excellent stock from which to draw examples. In conclusion, we were given a very excellent afternoon tea.

On our next trip we were accompanied by our worthy Farm Manager, and we must compliment him on the way he amused a dozen students by counting the pockets of his suit all for the sake of one elusive railway ticket. The main object of this trip was to visit the factories of Mr. Alf. Hannaford, and, after inspecting his Pureah Cereal Company at Woodville, we travelled via motor lorry to the new factory. Here we saw some of the most up to date pure seed machinery, and we compliment Mr. Hannaford on the many ingenious ideas designed to help the present-day scientific farmer.

On the same day a visit was paid to Goldsbrough, Mort & Co., and here we saw on the floor some very fine wool awaiting the next day's sale. The outstanding clip was that from Koomooloo, comprising nearly 1,300 bales.

One of the most interesting trips was that through the Barossa district. The Co-op. Growers' Distillery was first visited, and then the magnificent winery of Penfolds. Both of these wineries were models, and many of the

ideas could well be copied by our potential wine makers.

The next place of interest was Mr. Bert Bohem's orchard, where tests were being carried out on frost control. The whole district had been badly affected, and at least 90 per cent. of the crop destroyed. Here though, under Government supervision, orchard heating by means of crude oil is carried out, and we were satisfied that by this method a crop could be economically and effectively saved.

In the afternoon Yalumba Wine Cellars were visited, and here Mr. Geiger showed us a new patented process, "The Brandyiser," with which raw brandy spirit is redistilled under pressure with oak shavings for the extraction of flavouring matter contained therein. The process produces from raw brandy spirit the equivalent of a brandy stored for two years in the wood. Young wines fortified with this possess certain of the characteristics of wine matured in the wood for a considerable period.

After an extensive tour of the cellars, one of the oldest in South Australia, we retired to the laboratory, where we tasted the Yalumba wines to our hearts' content. The opinion was that Yalumba Ports certainly deserve all the championships that they have won.

In conclusion, we thank all those who have so kindly shown us over their premises, and so generously given to us any information whatsoever. We thank them, one and all, and may I add, we are now eagerly looking forward to the "Brewery Trip."

Roseworthy Old Collegians' Association

Obituary.

It is with deep regret that we have to record the death of Professor W. Lowrie, who passed away during this year at his home, "Batinga," Echunga. All Old Students join with Mrs. Lowrie in mourning the loss of one of the College's most eminent Principals, and one of her best friends. Professor Lowrie was mainly responsible for the formation of "The Old Collegians' Association," and was elected its first President. The first meeting of the Association was held on 4th March, 1898, and the Committee appointed to draw up a set of

rules covering the conduct of the Association included Prof. Lowrie as President. These rules were drawn up under the Professor's able guidance, submitted to a meeting on 1st August, 1898, and adopted. With practically no alteration they stand intact to-day, bearing testimony to the thoroughness with which they were compiled. An account of the career of Prof. Lowrie appears in another portion of this issue.

R. C. Jacobs (1906).—At the time of his death was farming at Geranium. Only a few weeks prior to his death Mr. Jacobs attended the Annual Reunion Dinner, and appeared then to be in good health,

Events.

THE ANNUAL MEETING AND REUNION DINNER.

The Dinner this year was held at the "Oriental" Hotel and attracted a large and representative gathering of Old Students and a most enjoyable evening was spent.

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ANNUAL SUBSCRIPTIONS.

The annual membership subscriptions to the Roseworthy Old Collegians' Association have been reduced from 7/6 per annum to 5/- per annum, and those of W.A. Branch members from 4/6 to 2/6 per annum.

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ASSOCIATE MEMBERSHIP.

Associate membership is granted to members of the College staff, and to members of other Agricultural Colleges' Old Col-

legians' Associations in other States who are resident in South Australia. The subscriptions are the same as those operating in the case of general members, viz., 5/- for annual membership and £5 for life membership. Associate members, however, have no voice concerning the business of the Association.

* * * *

AFFILIATION WITH OLD COLLEGIANS' ASSOCIATIONS IN OTHER STATES.

Matters concerning the formation of an Agricultural Colleges' Empire Intercollegiate Union have been discussed by the various Agricultural Colleges' Old Boys' Associations during the past twelve months. Whilst favouring the idea of co-operation it was considered that the formation and conduct of the business of such a body would be unwieldy, and that the main purpose could be attained by an alteration of

Footrot Shears



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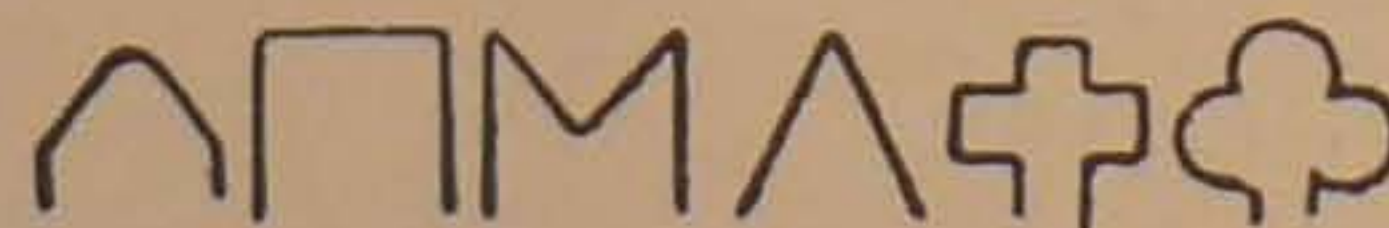
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the rules governing the conduct of Old Boys' Associations, to include in the objects the following clause: "To encourage in every possible way improvement in the art and practice of agriculture and to facilitate the visits of members of Old Boys' Associations of other Agricultural Colleges throughout the Empire."

The rules of the Hawkesbury Agricultural College Old Boys' Union have already been altered on these lines. Any member of our Association intending to visit N.S.W. can, if he desires, be greatly assisted and directed to points of interest by applying to the Secretary of our Association, who will put him in touch with Mr. R. N. Dart, Hon. Secretary of the Hawkesbury Old Boys' Union of N.S.W. Although the rules of our Association have as yet not been altered in accordance with the above, the Committee of the Association are in entire agreement on the advantages likely to accrue as the result of such an arrangement, and members of kindred Associations in other States can be assured that everything possible will be done to make their stay in this State enjoyable and profitable. Visiting members from other States should ask to be put into communication with the Secretary in this State.

* * * *

AGRICULTURAL COLLEGES' OLD BOYS' UNION OF WESTERN AUSTRALIA.

The Annual Reunion of the above was held in Perth during Show Week, and attracted a gathering of 78 past students of the various Agricultural Colleges. A feature of this function was that most of the foodstuffs were donated by Old Students and included fruit, fat lambs, eggs, milk, and other dairy produce.

WESTERN AUSTRALIAN BRANCH OF THE ROSEWORTHY OLD COLLEGIANS' ASSOCIATION.

At a meeting of the Branch in Perth during Show Week, it was decided to again donate the Muresk Silver Medal.

E. W. Cotton was again elected President, and S. A. Rudduck Hon. Secretary and Treasurer.

* * * *

THE ANNUAL SPORTS.

This fixture was held on 20th September, and was a complete success, attracting a representative gathering of the Students' parents and many other visitors. A number of Old Boys were also present, and a pleasing innovation was noted in that the Old Boys entered a team in the Inter-year Relay Race, and gained second place. Old Boys were represented by R. F. Brechin (Captain), A. R. Bechwith, C. Haydon, and H. Honey. The team would easily have gained first place had not one of its representatives broken down in the event.

Another notable feature of the Sports was the Mile Flat, in which K. T. Ryan lowered his own record by a further 10 seconds, after a very fine performance, registering 4 min. 45 3-5 sec. for the distance. A new event was added to the programme, viz., the Pole Vault, and attracted considerable interest. The event was won by R. E. Hagley, who vaulted 8 ft. 1½ in.

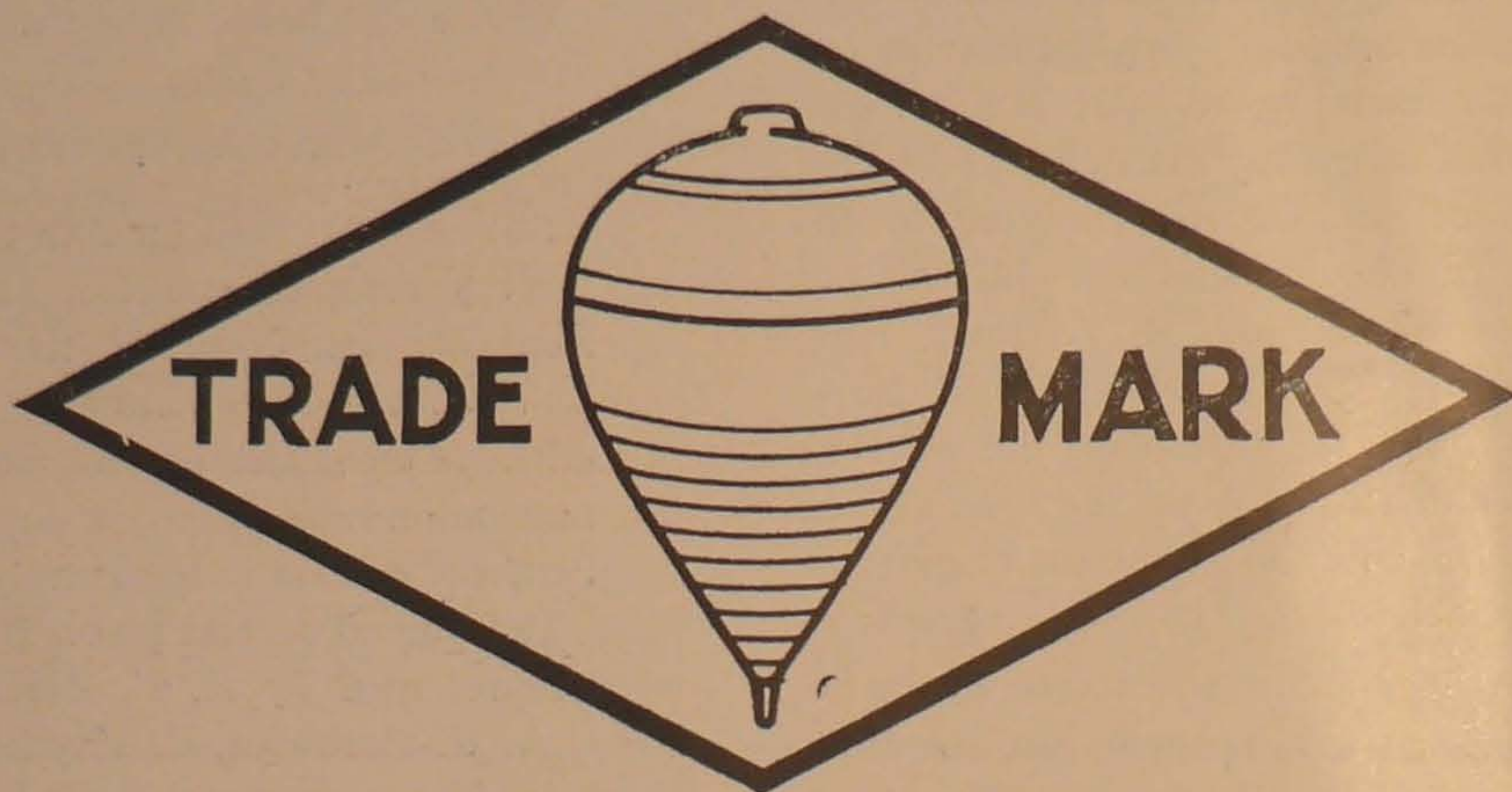
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THE ROYAL SHOW.

Old Students maintained the usual high standard in the stock sections this year. A list setting out the awards gained is given below. Mr. W. J. Dawkins was also successful again in Melbourne this year, gaining numerous prizes for Dorset Horns and Southdowns.

TOP SPECIAL (45 per cent.)

48 per cent. MINERAL



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SHOW AWARDS (ADELAIDE).

Competitor and Class.	Championships	Reserve Championships	Firsts	Seconds	Thirds	Total Awards
Clydesdales—						
W. J. Dawkins	—	—	2	3	1	6
Jerseys—						
J. H. Dawkins	—	—	2	2	1	5
C. E. Verco	1	—	2	—	1	4
Ayrshires—						
Kybybolite (H. J. Cook)	—	—	2	3	4	9
Lincolns—						
L. E. L. Dunn	2	2	5	5	2	16
Border Leicesters—						
J. W. Aldridge	—	—	—	1	—	1
Romney Marsh—						
L. Cowan	1	2	3	3	3	12
Davidson Bros.	—	1	1	3	4	9
Dorset Horns—						
W. J. Dawkins	1	2	3	3	2	11
Southdowns—						
W. J. Dawkins	1	—	2	2	1	6
Suffolk Downs—						
J. T. Murray	—	1	2	4	4	11
Ryeland—						
J. T. Murray	—	1	1	2	—	4
Any Pure Breed of Sheep—						
W. J. Dawkins	—	—	1	—	—	1
L. E. L. Dunn	—	—	2	—	1	3
Wool—						
L. E. L. Dunn	—	—	2	2	—	4
Kybybolite (L. J. Cook)	—	—	2	—	—	2
Large Whites—						
J. W. Aldridge	—	1	1	4	1	7
Middle Whites—						
J. H. Dawkins	—	1	2	—	—	3
Kybybolite (L. J. Cook)	—	—	—	1	—	1
Large Black—						
J. H. Dawkins	1	1	3	1	—	6
Group Classes—						
J. W. Aldridge	—	—	2	—	1	3
Fruits and Preserves—						
J. B. Robson	—	—	3	—	—	3
Grand Totals	7	12	43	39	26	127

WHEAT CROP COMPETITIONS.

Success of Old Students.

Taking up 4,000 acres of land at Jalakin, near Kulin, Western Australia, in 1925, Mr. F. S. Freebairn won the Zone No. 7 Competition last year with a crop of 50 acres of Gluclub, which yielded an average of 47 bushels, beating the State record of 46 bushels previously held by Mr. M. C. Cockram, Katanning. His success gained for him the Silver Rose Bowl and Tea Service presented by the Kulin Agricultural Society, and the special prize of £10 donated by the Royal Agricultural of Society of W.A.



MR. F. S. FREEBAIRN.

E. W. L. Dawkins was placed third in the Midland Crop Competition, S.A., the varieties being Sword and Ford.

We congratulate these two men, and express the hope that they will be able to better these performances in the near future. It is interesting to note that for the past few years the winning crops have almost without exception been College bred wheats. This season in the Midland competition the three placed crops were of "Sword."

OLD COLLEGIANS.

- A. M. Dawkins (1885).—One of South Australia's most progressive farmers, and Chairman of the College Governing Council.
- R. J. Hill (1886).—Director of the firm of James Hill & Sons, Merchants, Pirie Street.
- W. H. Clark.—Sharebroker, 362 Collins Street, Melbourne.
- J. C. Warnock (1887).—Farming at Mount Backer, Western Australia.
- C. E. Moore (1888).—Has a grazing property at Wellsgift, Upper Cappal, W.A.
- W. Eimer (1889).—Farming near Glen Innis, N.S.W.
- H. M. Giles.—Orchardist at Woodside.
- F. S. Wight (1890).—Clerk District Council, Manum.
- J. D. Goyder.—Has a dairying block at Long Flat, and is conducting pasture experiments for the Department of Agriculture.
- S. K. Harvey (1891).—An official of the Department of Mines and Industries, Pretoria, South Africa.
- J. A. Borthwick.—Owner of the Mamunda Station at Koppio, Port Lincoln.
- H. H. Nickels (1892).—Farming at Forreston, near Gumeracha.
- C. F. Heyne.—Nurseryman and seedsman at Summerton.
- C. H. Cotton (1893).—In the painting profession in Adelaide.
- O. G. Marshall.—Has a grazing property at Woodside.
- C. A. Sweeting (1894).—Is farming successfully at Tammin, Western Australia.
- G. H. Locyer (1895).—Farming in the Curramulka District.
- A. MacDonald (1896).—A member of Parliament. Has a grazing property at Leighton, Burra.
- J. H. P. Davis.—Auctioneer for Bennett and Fisher.
- E. W. Jones (1897).—Farming near Cummins, Eyre's Peninsula.
- A. H. Bills.—Still in the grain and flour business at Broken Hill.
- W. Patrick (1898).—Retained his seat for the Country Party in Western Australia at the recent elections, in spite of the strong swing to Labour.

THE ADELAIDE SPORTS DEPOT

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Proprietors—E. L. S. Tuck and E. A. Broadbent.

Up-to-date Sports Warehouse. Tennis and Cricket Ware of All Descriptions. Footballs, Boxing Gloves, Punching Balls, etc.

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- C. P. Hodge (1899).—In charge of the National Park, Belair.
- H. L. Pearce.—Owner of the Gums Station, Floreiton.
- C. E. Chapman (1900).—Left Woodside, present address unknown.
- H. E. Laffer.—Is doing valuable work for the Wine Export Marketing Board in England.
- E. R. Seppelt (1901).—Blacksmith and general mechanic at Keith.
- L. N. Sprod.—Agent, residing at Magill Road, North Kensington.
- A. B. Caw (1902).—Successfully farming at Koyonup, Western Australia.
- H. W. England.—Farming successfully at Perenjori, Western Australia. A member of the Perenjori Roads Board.
- R. O. Hayward (1903).—Missed the Western Australian Annual Reunion this year for the first time.
- W. J. Dawkins.—Recently appointed Chairman of the Dairying Commission, S.A.
- D. Fulton.—Vice-President of the Roseworthy Old Collegians' Association. Director of Woodly Wines.
- R. Pocock (1904).—One of Lameroo's best farmers.
- C. E. Verco.—Dairying at Mount Compass. Has one of the leading Jersey Studs in the State, and has shown the Champion Jersey Cow for the last three years at the Adelaide Show. This year obtained the Navua Trophy for Cow and Heifer, and the Jersey Challenge Cup for type and production.
- B. Weise (1905).—Farming at Mundulla, near Bordertown, and takes a prominent part in public affairs.
- L. H. Wright.—Has a grazing property at Booboorowie.
- F. Packham (1906).—Farming at Tammin, Western Australia.
- F. Cooper.—In partnership with his brother, controls the interests of the now famous Cooper's Brewery at Kensington. Regularly attends the Annual Reunion Dinner.
- A. S. Hawker (1907).—A member of the City Council—lives at Clare.
- J. K. Gardiner.—Farming at Balaklava.—No Reunion would be complete without him.
- P. S. Richardson.—Harbour Master at Port Lincoln.
- E. J. Clark (1908).—Is still with the Shell Co. Oil Depot at Wyalkatchem, W.A., as Manager.
- C. A. Billingshurst.—Share-farming at Minnipa.
- T. W. Sobels.—Vineyard Manager for Buring and Sobels' extensive vineyards at Watervale. Judges the local pruning competitions.
- W. R. Birks (1909).—Has purchased a property at Mount Barker.
- G. M. Buchanan.—Has an irrigation block at Barmera.
- W. L. Fowles.—Grazing property at Delamere.
- E. R. James.—Is with T. H. Webb & Sons, grain merchants.
- L. J. Cook (1910).—Achieved considerable success with his stock at this year's show as Manager of Government Farm at Kybybolite.
- P. Rumball.—Poultry Expert to the Queensland Government.
- M. Hunter (1911).—Farming at Konongerring, Western Australia.
- T. R. Welbourne.—Has a Jersey Stud at Narridy.
- H. L. Manual.—Government Viticulturist to the N.S.W. Government. Visited S.A. during Wine Week.
- G. G. Masson.—Visited Australia recently—connected with the Department of Agriculture in Palestine.
- B. W. L. Hocking.—Engaged with the Farmers' Union in connection with the Wheat Scheme.
- J. D. Hoile (1912).—Farming at Tammin, Western Australia.
- T. H. Best.—Farming at Tammin, Western Australia.
- G. K. Henderson (1913).—Has a farm at Tintinara.
- H. C. Catt.—Storekeeper at Glen Osmond—sold his farm at Mallala.
- K. E. Neville.—Has a farm at Balaklava.
- S. Reed (1914).—In partnership with A. T. Jefferis at Willunga.
- H. A. Follett.—Orchard and grazing property at Langhorne's Creek.
- L. J. Clark.—Grazier at Port Pirie. Has been laid up with a broken leg, but now fully recovered.
- F. C. Andrews (1915).—Visited Australia recently. Is living in England.
- D. Wishaw.—Has a Dorset Stud in Tasmania.

- F. R. Koch.—One of the best farmers in the Wilkawatt District.
- O. S. Symon.—Recently returned from a trip to England.
- G. E. Bagot (1916).—Has a grazing property at Echunga.
- W. G. McNeil.—When last heard of was with John Martin & Co., of Adelaide.
- F. Riggs (1917).—Farming at Pernong.
- K. C. Catt.—Is with the Railways Department in Adelaide.
- W. H. Lewcock.—Orchardist at Clare.
- W. R. Hannaford (1918).—Farming in Queensland—visited S.A. recently, and will be here until Xmas.
- J. A. Legg (1918).—In charge of the Depot for Amscol at Littlehampton.
- H. P. Lehmann (1919).—Is at present woolclashing.
- L. C. Mattner.—Accountant at Pike's Brewery—visited the College recently.
- C. F. Hutton (1920).—Farming at Hart.
- N. R. Quinn.—Fruit Inspector in the Horticultural Department.
- A. R. Hocking (1921).—Farming at Melrose.
- A. K. Stirling.—Grazing property at Mount Crawford.
- F. S. Freebairn.—Farming at Kulin, Western Australia.
- J. Ralph.—Doing well on his property near Kybybolite.
- B. B. Scrymgour.—In his father's business in Adelaide.
- A. G. Bowers.—Has returned to England.
- W. Lethbridge.—Farming successfully at Geranium.
- J. J. Balmer.—Is in the Education Department.
- F. B. Wood.—Now organizer for an accountancy course firm in Perth.
- H. J. Cole.—Farming at "Tanda," Mingrisew, Western Australia.
- S. S. Jones (1922).—Is at the Agricultural High School at Clare.
- J. T. Ryan.—Has a grazing property at Lucindale.
- W. L. Paltridge.—Married recently in Adelaide.
- C. T. Preece (1923).—Recently appointed Sepelt's Manager at Great Western, Victoria, in succession to R. H. Mowat.

YALUMBA PORT

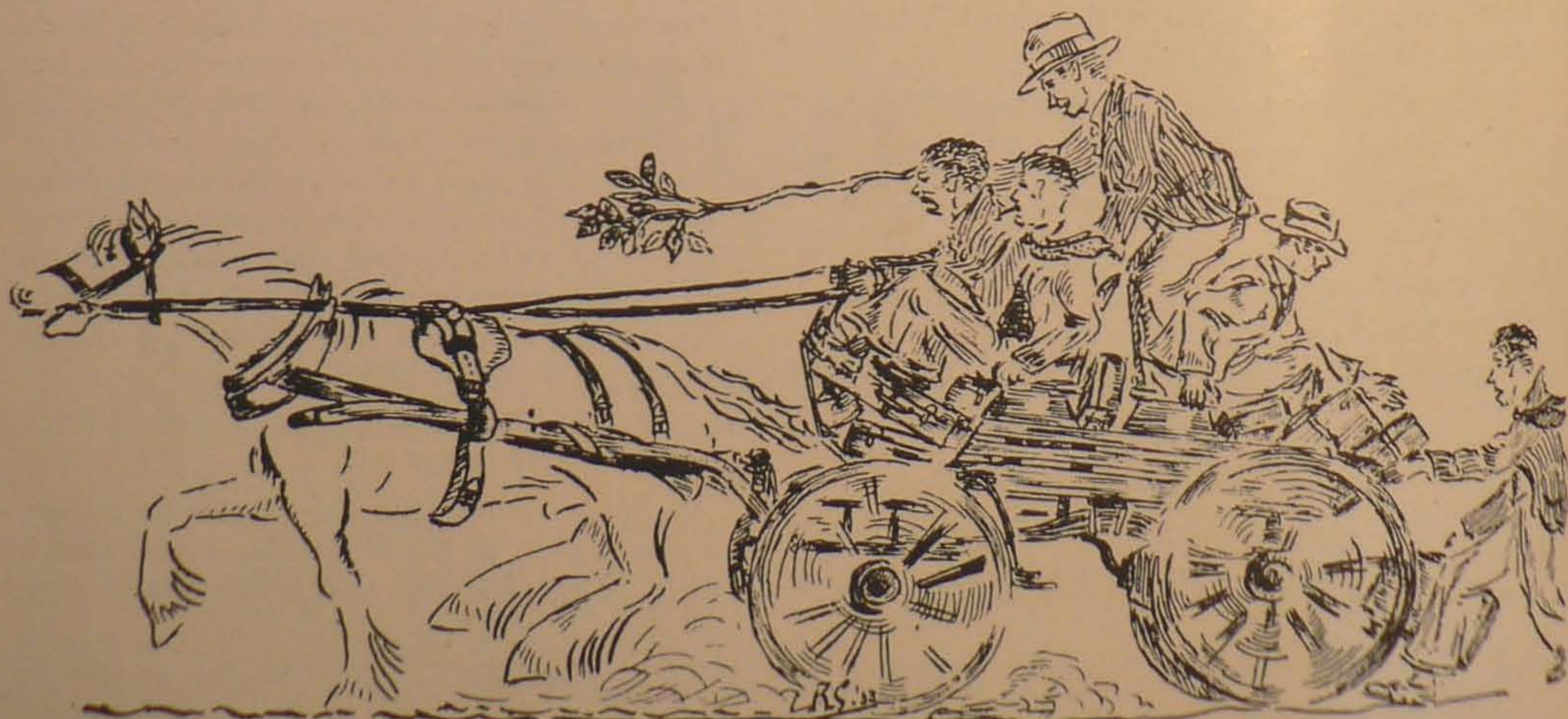
24 Times Champion of Australia.

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Yalumba, Angaston.

- A. T. Honner (1924).—Is still at Kalabity Station, Olary.
- C. R. Morgan.—Married in Perth recently.
- E. T. Fels.—Poultry farming, etc., at Armadale, 20 miles from Perth, and has established a good connection for his poultry in the city.
- A. N. Woodroffe.—Seppelt's Manager at Rutherglen, Victoria, and an Inspector for the Phylloxera Board, S.A. Was married recently.
- Alan Martin (1925).—Writes a long, interesting letter after a silence of some years. Is now married with a family of one daughter. Is the Agricultural Bank Inspector in the Lake King Area, which is in the south-west corner of the "W.A. Government 3,500 Acre Farms Scheme." Has been there for five years, and relates that very rough conditions prevail.
- W. Goyder.—On his father's property at Long Flat.
- Phil Ramsden.—Has a grazing and farming property in Western Australia.
- R. J. Wilson.—Is back in his old position as Farm Manager at Muresk.
- F. B. Pearson.—Has a farm at Angle Vale.
- R. S. Cooper.—Engaged in brewing the National beverage at Cooper's Brewery.
- A. T. Hooper (1926).—Recently appointed a Milk Tester in the Department of Agriculture.
- R. S. Thomas.—Says he is developing leather work as a very profitable sideline to running sheep on his property in the Williams District, Western Australia.
- B. E. Thomas.—Still farming in Western Australia—married recently in Adelaide.
- H. G. Eaton.—Farming at Latham, Western Australia.
- E. W. Sieber.—With his brother has a grazing property at Swan Reach.
- J. C. Rose (1927).—Grazing property at Wilgarup, Bridgetown, Western Australia.
- H. H. Winnall.—Is growing tobacco in Western Australia.
- W. K. Mutter (1928).—Farming in Western Australia, and doing well.
- D. B. Parker.—Farming at Mananup, Western Australia.
- M. K. Marrie.—Gaining general experience in Western Australia, and is looking for a property. Recently in S.A.
- C. E. Soward (1929).—Is gaining experience on "Mundi Mundi" Station, Silverton.
- Don Couche.—Writing from 37 Mincing Lane, London, E.C. 3, mentions that he has started business on his own account, presumably in the wine trade, and does not expect to be home again for a year or two at least. He also says, "I shall be able to hop across to the Continent from time to time to continue my study of wine-making. I find that the more I learn about this game, the less I find I really know, which only makes one all the more eager and thirsty for knowledge. Have just had an invitation to visit the Rhine Wine Districts in Germany during the coming vintage so hope to be able to take advantage of the offer, as there is no end of sound information to be picked up in that direction. The wine trade in general is a little slow at the moment in London, and there are some large shipments at present on the water, which will go to swell the stocks already in Bond. South Africa is doing a good bit of trade, too, and the quality of some of her wines is really excellent. Hoping things are all well at Roseworthy." We wish Don good luck in his venture.
- R. B. Postle.—Started last year to do the course in Dairying at Hawkesbury in one year. In June last he had to go up near the Queensland border to sit for the N.S.W. Grading Certificate, which he obtained (he had gained the S.A. Certificate whilst at Taylor Bros. in Gawler the previous year). The final exams. finished on the 31st of October last. Ron is now in a factory at Camperdown, one of the show factories of Australia, where, besides butter and cheese, a number of other products are made, including casein (being sent to Germany), calf food, milk powders, and infant foods. Results of the Hawkesbury Dairy Exams. were published last week. Postle gained first class honours, as well as being *dux*. We congratulate Ron on the results, and wish him a successful future.
- W. W. Ellis (1930).—Gaining experience with Mr. Syd. Shepherd in the S.E.
- L. V. Spencer.—Has been successful in gaining a commission in the Royal Air Force, and is continuing his studies and instruction in England.
- E. W. L. Dawkins (1931).—Farming at Gawler River.
- A. D. Hancock.—Intends going to France to continue his study of wine-making at Montpellier in January.

- C. P. Brown.—Is still with Mr. T. L. Simpson at Dunkeld.
- H. W. L. Herbert.—Seems to have become infected with the unbounded optimism of the mallee farmer.
- A. G. Hay.—Hopes to finish his course for the Church of England Ministry at St. Barnabas' College this year.
- R. F. Brechin (1932).—Is at present woolclassing in the South-East.
- F. H. Wheaton.—Plays football for the Kingscote team, and also cricket. Working with his father at McGillivray, Kangaroo Island.
- A. R. Beckwith (1932).—After twelve months Cadetship at Roseworthy has obtained a position with T. Hardy & Son, S.A.
- S. R. Klose.—Appointed Field Officer at Roseworthy in connection with Cereal Work. An account elsewhere in this issue.
- B. Walters.—Is at the Agricultural High School at Renmark.
- J. C. Kilgour.—Is doing well at Stonyfell, S.A.
- R. A. Pownall (1933).—In S.A. on holidiays at the moment, spent some time at Kangaroo Island. Convalescing from a recent illness, and now almost recovered.
- J. D. McAuliffe.—Secured a Cadetship at Kybybolite early in the year, and is still engaged on that work.
- W. C. John.—Has been doing good work as a cadet in the Chemical laboratory at the College.
- L. T. Sobels.—Working with his father at Water-vale.
- L. McCarter.—At the Agricultural High School at Kadina.
- J. E. Morphett.—At the Agricultural High School at Mount Gambier.
- C. Pollitt.—Has been gaining general experience in orchard operations in the Barossa District.
- A. C. Benzie.—Managing a mixed farm at "Ferriby" Gredgwin, Victoria, about 180 miles from Melbourne, consisting of about 2,270 acres, of which 1,500 acres are cleared. Uses horses and a tractor, and finding the job congenial.
- W. Eardley.—Working on a farm at Allawoona.
- R. E. Emery.—Has a market garden near Paradise.
- H. M. W. Honey.—Is with a vine grower at Lyndoch.
- F. H. Hooper.—On his father's block at Renmark.
- R. L. K. Horne.—Last heard of heading for the Queensland border.
- C. W. Kelly.—At Lyndale Winery.
- R. Packer.—Is making a success of farming at Mundalla. Also doing some breeding of wheats, which, he says, promise well.
- H. R. Patterson.—At present is thinking of taking up the management of a pig farm on Yorke Peninsula.



WEEK-END LEAVE.

Sport.

COLOURS AWARDED.

The following Blues and Badges were awarded by the Sports Union during the current year:—

SEASON, 1932-33.

Football—

Badges: Arnold, Pownall, Horne, Woodroffe, Hursthouse, Geddes, McAuliffe, Richards, Prowse, Packer, H. T. Ryan, Turner, Sobels.

Athletics—

Blue: Kelly.

Badges: Arnold, McAuliffe, K. T. Ryan.

Tennis—

Badges: Coleman, M. W. Jones, Gee, and Haydon.

Cricket—

Badges: Laffer, Emery, K. T. Ryan, Woodroffe, and John.

Rifles—

Badges: Angove, Sutherland.

Swimming—

Badges: Prowse, Geddes, Hay, Orchard, Richards, Arnold, Pownall, Eardley.

SEASON, 1933-34.

Football—

Blue: K. T. Ryan.

Badges: Allen, Green, Roberts, McNeill, Jenkins, Gilchrist, Orchard, Alcock, Robertson.

Athletics—

Blues: K. T. Ryan, J. W. Hursthouse.

Badge: R. Turner.

* * * *

CRICKET NOTES.

Last season College had only one team in the Gawler and District Cricket Association, as the number of cricketers amongst the students was unusually low. The team had a most successful season, finishing second to Smithfield, who are to be congratulated on their success.

We regret to hear that Mr. J. L. Williams does not intend to play in the forthcoming season. He has been a regular member of the College team for many years, and last year was our Captain.

1933-34 SEASON.

This season we have entered two teams in the Gawler Association.

For the A.1 team H. Ryan was elected Captain, K. Woodroffe Vice Captain, and K. Ryan

the other member of the Selection Committee, the Secretary being R. J. Turner.

For the A.2 team J. W. Hursthouse was elected Captain, R. E. Hagley Vice-Captain, and these, with M. Richards, comprise the Selection Committee; the Secretary is M. Richards.

COLLEGE v. SMITHFIELD.

Played on the Smithfield Oval on December 10th and 17th, 1932.

They won the toss and batted, their early wickets fell cheaply, but their score mounted up due to our bowlers tiring. They declared at 9 for 250.

Our only hope was to try for a draw. After a poor opening, a good stand by Sobels gave us hope, but the last 3 wickets fell quickly with only 3 balls to be bowled before stumps.

Smithfield.—9 for 250 (declared). (Alexander 96, Emery 5 for 42, H. Ryan 3 for 65, Mr. Williams 1 for 40).

College.—189. (Mr. Williams 48, L. Sobels, 85). Smithfield won on first innings by 61 runs.

COLLEGE v. SOUTH GAWLER.

Played on College Oval on January 7th and 21st, 1933.

We won the toss and batted, but disaster followed, the first 3 wickets falling for 11 runs. A partnership of 96 by L. Sobels and H. Ryan for the fourth wicket improved the score, and the innings closed for 150.

South's batted the second day, but collapsed under the bowling of H. Ryan, who finished with 7 for 18. We batted again, but rain interrupted play.

South Gawler.—58 (H. Ryan 7 for 18, R. Emery 2 for 12, K. Ryan 1 for 13).

College.—First innings, 150 (H. Ryan 24, L. Sobels 82); second innings, 3 for 27.

College won on first innings by 92 runs.

COLLEGE v. EUDUNDA FARMERS.

Played on College Oval on January 28th and February 4th, 1933.

They won the toss, and sent us in to bat, but we collapsed for a poorly made 77. They batted, and at stumps were 6 for 36, and on the second day they scored the required runs for a first innings victory.

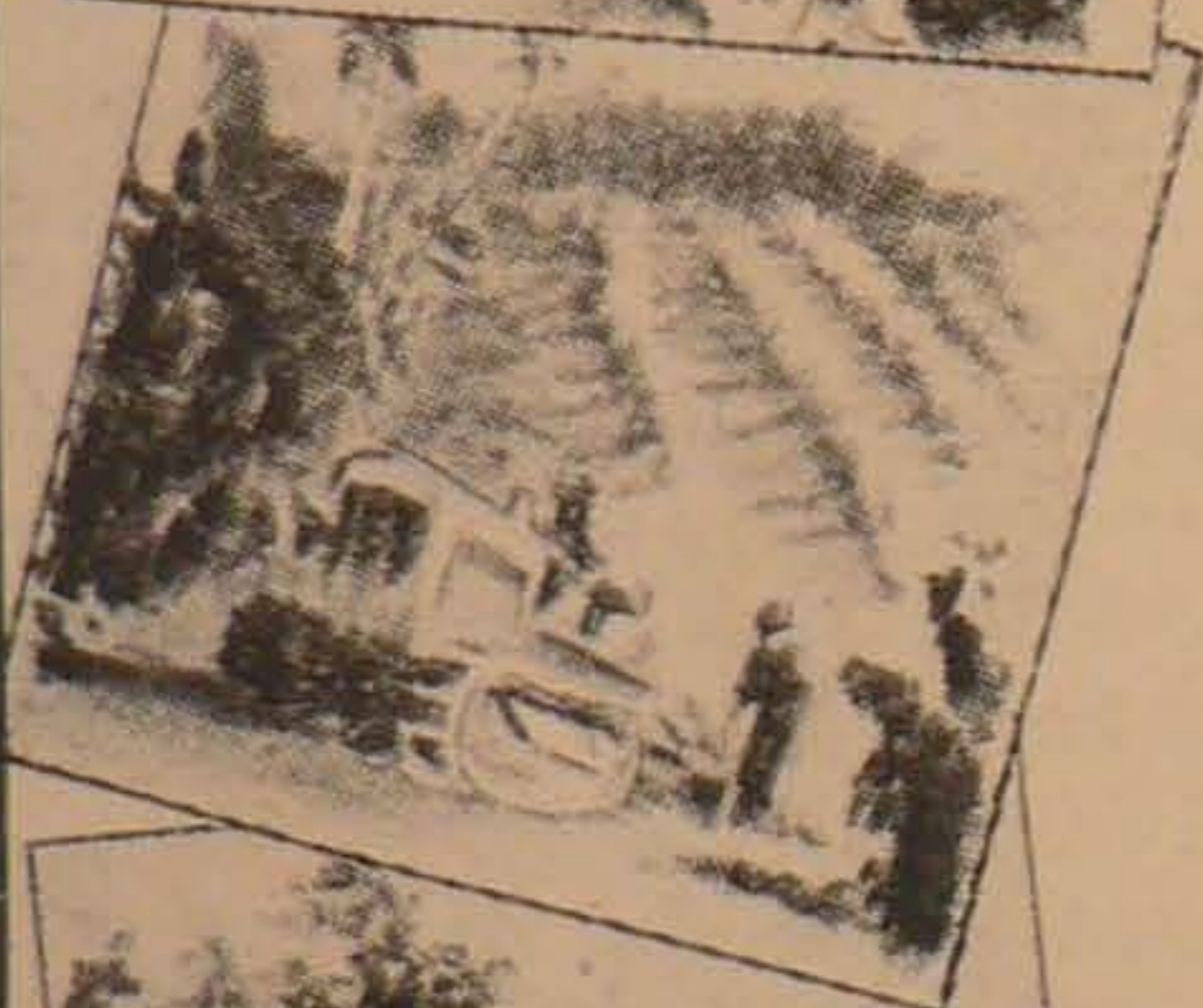
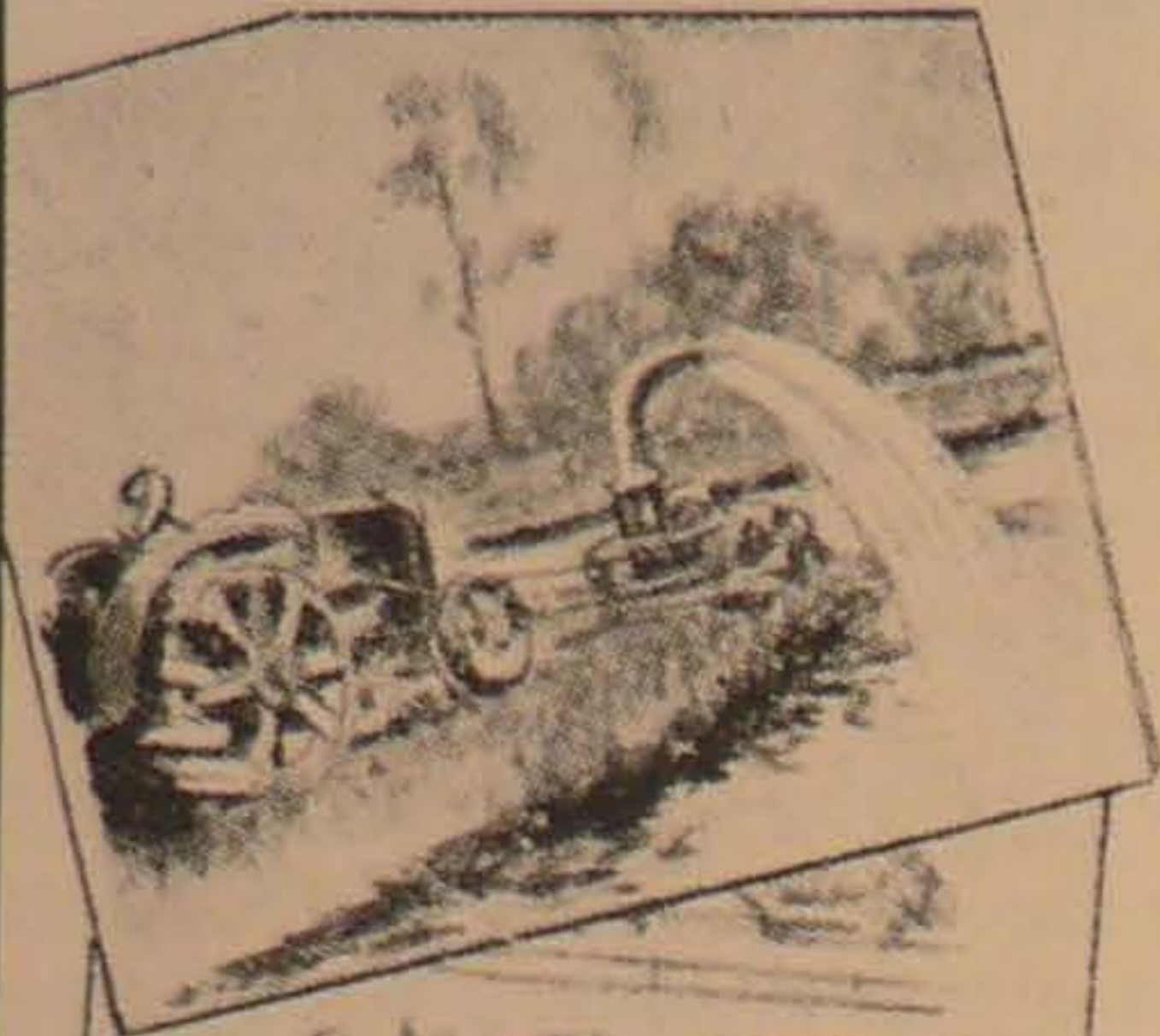
Eudunda Farmers.—102. (Mr. J. L. Williams 3 for 20, K. Ryan 2 for 13, R. Emery 2 for 21, H. Ryan 2 for 24).

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Always insist on
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The World's Quality
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College.—First innings, 77; second innings, 5 for 107. (Mr. Hickinbotham 26 not out, L. Laffer 22, A. Benzie 18).

Eudunda Farmers won on the first innings by 29 runs.

COLLEGE v. SMITHFIELD.

Played on College Oval on February 11th and 18th, 1933.

We lost the toss and were sent in to bat, and compiled 168. L. Laffer 43 not out and H. Ryan 41 were the most successful batsmen. Smithfield at one stage were 4 for 105, and then all out for 140. H. Ryan bowled 14 overs, 5 maidens, for 17 runs and 1 wicket.

Smithfield.—140. (R. Emery 3 for 46, W. John 2 for 9, H. Ryan 1 for 17).

College.—168. (K. Woodroffe 28, H. Ryan 41, L. Laffer 43 not out, K. Ryan 16).

COLLEGE v. EUDUNDA FARMERS.

Played on Gawler Oval on February 25th and March 4th, 1933.

We won the toss and sent them in to bat, and they compiled 229. We then batted for the rest

of the afternoon, and had lost 2 for 40 at stumps. We made a plucky fight on the second day with two men short, and on a sodden oval, the innings closing for 192.

Eudunda Farmers.—229. (A. Alexander 112, Mr. J. Williams 4 for 42, W. C. John, 3 for 40, R. Emery 2 for 31).

College.—192. (Mr. J. L. Williams 67, H. Ryan 28, Mr. A. Hickinbotham 24, K. Ryan 28).

* * * *

1933-34 SEASON.

COLLEGE v. EUDUNDA FARMERS.

Played on College Oval on October 28th and November 4th, 1933.

Eudunda Farmers won the toss and we were sent in to bat. College batted soundly, and had compiled 186 when the innings closed.

This left the visitors three-quarters of an hour to bat, and at stumps they had lost 2 for 24. On the next day the score was steadily mounting up, and at lunch the visitors were 4 for 107, but a collapse followed, and they were dismissed for 149.



CRICKET TEAM, 1933-34.

Standing—J. D. Robertson, G. S. Jenkins, S. A. Ward, R. E. Hagley, R. J. Turner, J. W. Gilchrist, E. B. McNeill.

Sitting—Mr. W. C. John, K. Ryan, H. Ryan (Capt.), K. Woodroffe (Vice-Capt.), Mr. A. R. Hickinbotham.

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Eudunda Farmers.—149. (H. Ryan 5 for 23, McNeil 4 for 27, Woodroffe 1 for 45).
 College.—186. (Woodroffe 44, K. Ryan 15, John 26, H. Ryan 18, McNeil 25, J. D. Robertson 17, Ward 11).

NON-ASSOCIATION MATCHES.

COLLEGE v. UNLEY.

December 11th, 1932.

Unley.—171. (Mr. Williams 3 for 51).

College.—109. (Woodroffe 36, H. Ryan 27, Laffer 16, Klose 15).

COLLEGE v. GLENELG RETURNED SOLDIERS.

February 12th, 1933.

Glenelg Returned Soldiers.—113. (Dr. Callaghan 2 for 2, R. Emery 2 for 16, K. Ryan 3 for 23).

College.—159. (Woodroffe 33 retired, Sobels 44, John 27 retired, Mr. Hickinbotham 16 retired, Gee 15).

COLLEGE v. HARLEQUINS.

February 26th, 1933.

Harlequins.—7 for 184 declared. (Emery 2 for 11, K. Ryan 2 for 40).

College.—99. (Dr. Callaghan 25, Laffer 17).

COLLEGE v. TAXATION DEPARTMENT.

October 11th, 1933.

Taxation Department.—169. (J. Robertson 2 for 21, Turner 2 for 15).

College.—82. (Mr. Hickinbotham 16, Woodroffe 28 not out, J. Robertson 11).

AVERAGES FOR 1932-33 SEASON.

BATTING.

Batsmen.	Innings.	Not Out	Highest Score.	Aggregate.	Average.
Mr. Williams	12	2	67	243	24.3
L. Sobels	15	—	85	306	20.4
K. Woodroffe	14	3	36	206	18.7
L. Laffer	13	3	43*	183	18.3
H. Ryan	13	—	41	169	13.0
Mr. Hickinbotham ..	14	2	26*	151	12.6
K. Ryan	14	1	30	158	12.1
Dr. Callaghan	7	—	25	77	11.0
W. John	13	4	27*	88	9.8
S. Klose	4	1	15	27	9.0
Mr. Bennett	7	1	21*	52	8.6
B. Gee	2	—	15	15	7.5
A. Benzie	7	2	18	38	7.4
H. Hooper	5	—	13	20	4.0
R. Emery	9	—	6	25	2.8
R. Turner	2	1	0*	0	0.0

* Not Out.

BOWLING.

Bowler.	Overs.	Maidens.	Runs.	Wickets.	Averages.
R. Emery	94	19	248	22	11.8
Dr. Callaghan	13	1	41	3	13.7
K. Ryan	54.1	5	206	15	13.7
H. Ryan	103.3	23	302	21	14.3
Mr. Williams	51.1	4	240	16	15.0
W. John	25	3	119	7	17.0
L. Laffer	11	—	44	2	22.0
K. Woodroffe	20.4	4	196	5	39.2
Mr. Hickinbotham ..	37	2	164	4	41.0
	*	*	*	*	

FOOTBALL NOTES.

The season opened with plenty of players available for selection, but we were unfortunate in losing many of our number at various times through other sports and injuries. This reduced our training list to the minimum for much of the year.

We were fortunate in again having the valuable services of Mr. John, who was our Captain and coach, and also in that we did not lose many of last year's team.

Success was elusive as far as we were concerned, but the Association had a particularly successful year, most of the matches being well attended. We contested three games with teams drawn from outside associations, and against these we were better matched. One match was played on a public holiday against a visiting team from Adelaide, who spent the day with us. The game was greatly enjoyed by all, and resulted in the last-minute defeat of the visitors.

We would like to congratulate K. Ryan on winning the Kerr Trophy for having been the most consistently effective player of the side for the season, and also McNiell, our leading goal-kicker.

Results of matches:—

- April 29.—College, 1—3; Willaston, 20—16.
- May 6.—College, 3 points; Rovers, 14—14.
- May 13.—College, 3—3; Souths, 21—20.
- May 27.—College, 5—7; Willaston, 30—21.
- June 3.—College, 4—5; Rovers, 32—20.
- June 10.—College, 5—6; Souths, 32—21.
- June 17.—College, 3—8; Rovers, 19—15.
- July 8.—College, 4—8; Souths, 15—18.
- July 15.—College, 7—5; Souths, 12—12.
- July 22.—College, 13—8; Willaston, 18—20.

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Semi-final—

August 26.—College, 5—5; Souths, 22—29.

Non-Association—

May 20.—College, 12—17; Wasleys, 5—4.

June 5.—College, 7—9; M.C.C., 7—8.

June 24.—College, 18—21; Lyndoch, 2—4.

The following played in three or more matches:—Mr. John, Mr. Beckwith, K. Ryan, Arnold, H. Ryan, Richards, Hursthouse, Woodroffe, Hagley, Allan, Prowse, Geddes, Turner, Green, Chaffey, Orchard, Roberts, McNeil, Sprod, Kay, Jenkins, Gilchrist, J. Robertson, J. Alcock, Michell.

* * * *

ANNUAL ATHLETIC SPORTS.

This year's "Sports" must go down as one of the most spectacular and successful yet held. The fact that the day was admirably fine, the running track hard, competition keen in every event, and a larger assembly than usual to wit-

ness the events all combined to make an ideal sports day.

The Manager and the Committee are to be congratulated on the manner in which they prepared the oval. Everything appeared neat, clean, and accurate.

A new event, the Pole Vault, proved very spectacular and interesting, and was well contested. The inter-year competition, although keenly fought out, was nevertheless uneven, the Third Year students proving far superior to the other years. Probably the most interesting inter-year event was the "Tug of War," which the Third Year won after a colossal struggle with the Second Year.

The Cup for the Champion Athlete was very fittingly won by J. Hursthouse. Throughout the entire day he exhibited great determination in winning and gaining places in "Cup" events, coupled with some fine performances as in the



FOOTBALL TEAM, 1933.

Back—A. W. Allan, J. W. Gilchrist, R. Roberts, E. B. McNeill, D. Prowse, K. Woodroffe, G. S. Jenkins, J. D. Robertson, A. E. Alcock, J. W. Hursthouse, R. H. Jones (Trainer).

Sitting—R. L. Green, H. Ryan, E. A. Arnold, W. C. John (Capt.), K. Ryan (Vice-Capt.), M. H. Richards, R. J. Turner.

Front—E. H. Orchard, R. G. Geddes.

440 Yards. He indeed proved himself a worthy victor for the Cup.

A pleasing performance was that of K. T. Ryan in the Mile Championship. Last year he reduced the time for this event to 4 min. 54 7-10 sec. This year he bettered that performance by 9 seconds, doing the journey in 4 min. 45 3-10 sec. After the sports it was decided to present Ryan with a special Cup in recognition of his record runs in 1932 and 1933, in which he lowered by 16 seconds the record that had stood for thirty-seven years.

E. Arnold and R. Turner, runner-up and third respectively in the Cup, were credited with notable performances. Others who met with a good measure of success were:—Hay, McNeil, Kain, Hagley, Jenkins, and Geddes.

A fine selection of prizes was presented by Mrs. A. R. Callaghan at the termination of the sports.

RESULTS.

Sheaf Tossing (Open).—Hagley, Gunson, Pollitt and Richards. Height, 34 ft.

Sheaf Tossing (Handicap).—Hagley (2 ft.), Pollitt (5 ft.), Gunson (scr.) and Richards (4 ft.).

Long Drive (Handicap).—Turner (75 yds.), Woodroffe (scr.), Geddes (75 yds.). Distance, 294½ yds.

Kicking for Distance.—McNeill, Woodroffe, H. Ryan. Distance, 60 yds. 10 in.

Kicking for Goal.—Mann, Jenkins, Woodroffe. Throwing Cricket Ball.—McNeill, H. Ryan, Kain. Distance, 99 yds. 2 in.

Hop, Step, and Jump (Handicap).—Kain (5 ft.), O'Neill, (8 ft.), Arnold (2 ft.). Distance, 38 ft. 2 in.

Sewing Bag of Wheat.—Coleman, Hursthouse, R. Jones and Muirhead.

220 Yards Flat (Handicap).—Geddes (15 yds.), Hay (7 yds.), Jenkins (10 yds.).

First Year 100 Yards (Handicap).—Jenkins (6 yds.), Kemp (9 yds.), Mann (5 yds.).

Second Year 100 Yards (Handicap).—Hay (3 yds.), Newland (10 yds.), Chaffey (4 yds.).

Third Year 100 Yards (Handicap).—Arnold (2 yds.), Hursthouse (scr.), Richards (6 yds.).



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Stepping Distance. — Robertson, Michell, Geddes.

Long Jump. — Arnold, Hursthouse, Turner. Distance, 19 ft. 4 in.

Putting Weight. — Hay, Mann, Coleman. Distance, 30 ft. 7 1/4 in.

100 Yards Championship. — Hursthouse, Turner, Arnold. Time, 11 2-5 sec.

135 Yards Handicap. — Hay (5 yds.), Jenkins (8 yds.), Kemp (12 yds.).

120 Yards Scratch Hurdles. — Arnold, Turner, Hursthouse.

Half-mile Handicap. — K. Ryan (scr.), Prowse (35 yds.), Jenkins (35 yds.).

Pole Vault. — Hagley, Savage, McNeill, and R. Jones. Height, 8 ft. 1 1/2 in.

120 Yards Handicap Hurdles. — Geddes (5 yds. behind), Turner (10 yds. behind), Roberts (8 yds. behind).

220 Yards Flat. — Hursthouse, Turner, Arnold. Time, 25 3-5 sec.

High Jump. — Kain, Arnold, Hursthouse. Height, 5 ft. 4 in.

Staff and Old Students' Race. — Mr. Baker, Mr. Beckwith.

440 Yards Flat. — Hursthouse, McNeill, Arnold. Time, 57 4-5 sec.

One Mile Bicycle Race (Handicap). — Jacobs (200 yds.), Griffiths (scr.), Hay (scr.).

One Mile Flat. — K. Ryan, Kay, Turner. Time, 4.45 3-5 sec. (record).

Inter-Year Relay Race. — First Year, Third Year, Second Year.

Inter-Year Tug of War. — Third Year, Second Year, First Year.

SHIELD EVENTS.

1st Yr. 2nd Yr. 3rd Yr.

Long jump	—	1	8
Putting the Weight	3	5	1
100 Yards. Champ.	—	3	6
120 Yards Hurdles	—	3	6
220 Yards Flat	—	3	6
High Jump	5	—	4
440 Yards Flat	3	—	6
Mile	3	1	5
Relay Race	5	1	3
Tug of War	1	3	5
Totals	20	20	50

CUP EVENTS.

	Long Jump	Putting Wght.	100 Yards.	120 Yds. Hurd.	220 Yards.	High Jump	440 Yards.	Mile.	Total.
Arnold	5	3	1	5	1	5	1	—	21
Hursthouse	3	—	5	1	5	3	5	3	25
McNeill	—	1	—	—	—	1	3	—	5
Turner	1	5	3	3	3	—	—	5	20
	*	*	*	*					

RIFLE NOTES.

It was with great regret that the Club learnt of the resignation of Mr. Cole at the beginning of the year. Mr. Cole has been Captain of the Club since its inception, and on him has fallen the brunt of the work, the organization, and also the blame for any little mishap. Now that he is gone we can only thank him for what he has done and wish him every success in his new career.

We congratulate Mr. Haydon on his appointment as Captain of the Club. He has had a long shooting record with the Gawler Club, and already the Club is feeling the effects of his energy and enthusiasm.

For the first time on record the Club has produced a programme, and we now have nearly every Saturday booked. It is also pleasing to note that not a single match on that programme has been cancelled.

The main event of the year was the Inter-collegiate shoot, which was held on our range. For the occasion we had a new set of targets, and to shoot at them after the old ones seemed like shooting at a haystack. Unfortunately, our opponents thought the same, and shot accordingly.

We congratulate Dookie on their win, and Linklater, of Hawkesbury, on his fine score of 101.

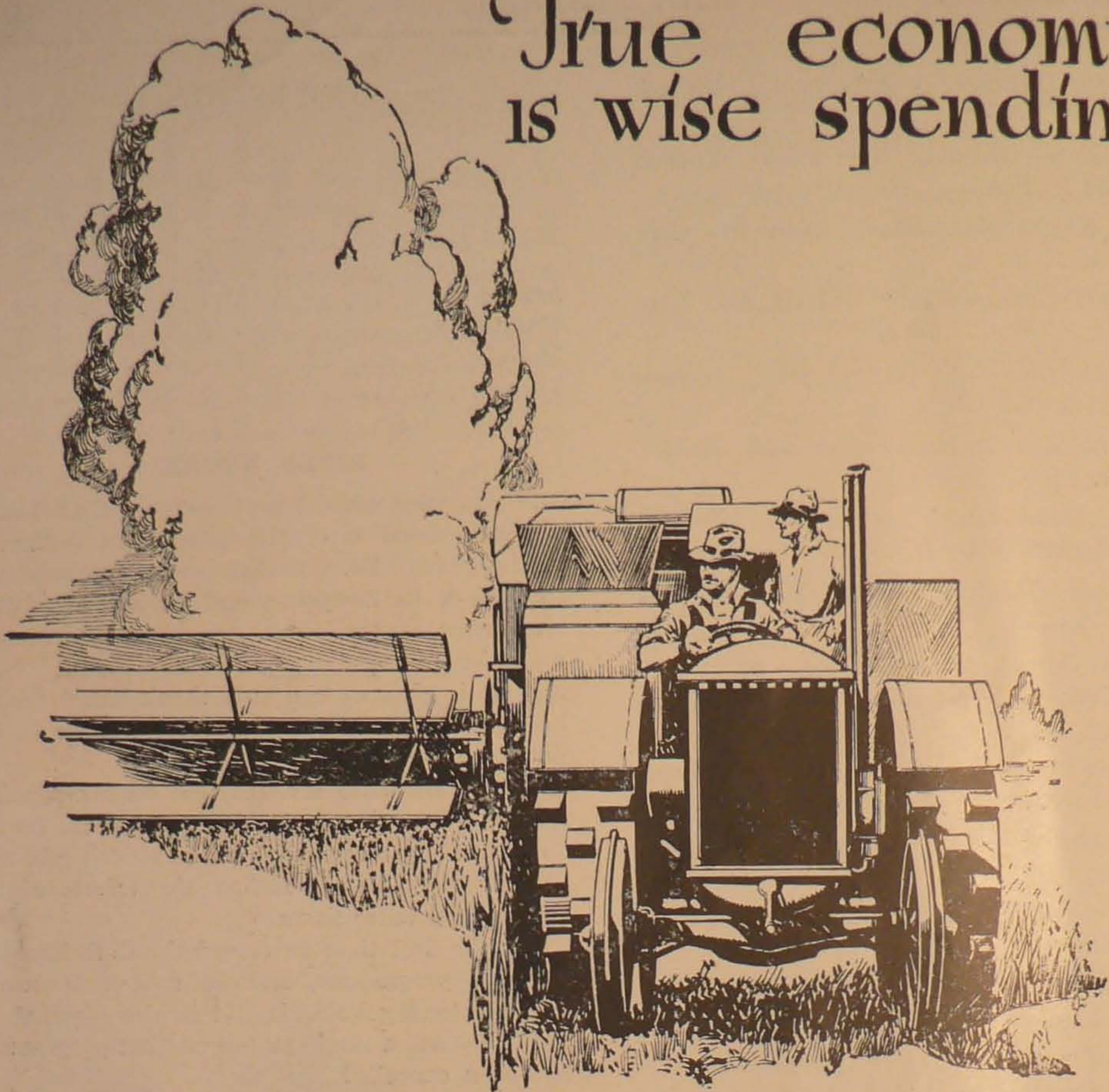
This year the Club is well off for trophies, no fewer than nine having been presented. The Club extends its thanks to the various donors, and hopes to present the trophies at a social evening at the end of the year.

In Interclub matches we have not had much success, but we feel that this is largely due to the number of young shots included in our teams.

Results of Interclub matches:—

College, 777 (W. R. Haydon 77) v. Gawler, 769.
College, 494 (E. C. Savage 67) v. Angaston, 500.

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College, 606 (P. C. Angove 70, E. C. Savage 70) v. Goodwood United, 662.

College, 622 (W. R. Haydon 75) v. Salisbury, 640.

College, 563 (A. E. Gurner 75) v. Hamley Bridge, 591.

College, 385 (W. G. Fairlie 44) v. Torrens Valley, 417 v. Gumeracha, 372.

College, 726 (W. G. Fairlie 74) v. Wasleys, 865 v. Reedbeeds, 803 v. Port Adelaide, 746.

College, 644 (R. Baker 75) v. Owen, 632.

College, 742 (R. L. Robertson 68) v. Salisbury, 785.

College, 709 (A. W. Allan 77) v. Teachers College, 680.

College, 327 (P. C. Angove 72) v. Naval Reserve, 329.

INTERCOLLEGIATE RIFLE TEAMS VISIT.

On Tuesday, June 30th, parties of students from Gatton, Dookie, and Hawkesbury were met at Adelaide by several students and members of the staff of Roseworthy. After a visit to the Waite Research Institute, the party travelled by way of the Gorge Road to Tanunda, where the famous "Chateau Tanunda" was inspected.

At 5.30 p.m. the cars arrived at the College and at dinner that night Dr. Callaghan welcomed the visitors, and each of the visiting Principals replied.

Wednesday was devoted to practice, and Dookie registered some very good scores at 600 yards. Dookie and Gatton practised in the morning, and the range was thrown open to Hawkesbury in the afternoon. Very generously they allowed the home team to practise with them.

Thursday, the great day, was ushered in with a mist, but this soon lifted and quite good shooting conditions prevailed. At 300 yards the shooting was very even, and only a few points separated the teams. At about 10 o'clock the party moved back to 500 yards, and here some remarkable scores were registered by Hawkesbury. At this range they obtained 200 out of a possible 210 points.

Dinnertime saw the 500 yard range half finished, and only 7 points between the top and bottom teams. At 600 yards the better shots began to tell, and Dookie finished first with a score of 570 points.

During the day possibles were scored by Thomson (Gatton) at 500 yards, Goldsmith (Dookie) at 500 yards, and C. Bell (Dookie) at 600 yards.

Top score for the day was made by Linklater (Hawkesbury) with a score of 101 out of a possible 105, and we congratulate him on his performance.

On Friday a match was arranged between the Roseworthy Club and the visitors. Even with the expert Staff shots, the College was beaten by a bigger margin than on the previous day. Conditions were again good, but the fact that there were twelve shots to count at 600 yards brought out the most accomplished riflemen.

After a dance on Friday night the visitors left on Saturday morning, and we congratulate them, one and all, on their performances.



INTERCOLLEGIATE RIFLE TEAM, 1933.

Standing—J. H. Newland, R. L. Robertson, E. C. Savage, L. R. Sutherland.

Sitting—P. C. Angove, A. W. M. Gunson (Capt.), J. W. Hursthouse.

Intercollegiate Rifle Match scores:—

	DOOKIE.			Total.
	300 Yds.	500 Yds.	600 Yds.	
Bell, C.	29	34	35	98
Smibert	33	30	32	95
Edgoose	29	31	29	89
Walker	29	33	33	95
Bell, M. (Capt.)	32	32	31	95
Goldsmith	29	35	34	98
Totals	181	195	194	570

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HAWKESBURY.

Taylor (Capt.)	26	33	29	88
Linklater	33	34	34	101
Mills	29	33	29	91
Rial	31	34	32	97
Ramsay	29	32	33	94
Geikie	29	34	32	95
Totals	177	200	189	566

GATTON.

Thomson	28	35	29	92
Wood	29	30	32	91
Grimes	28	31	26	85
Mace	31	31	28	90
Wyndham	29	29	31	89
Abell (Capt.)	28	31	32	91
Totals	173	187	178	538

ROSEWORTHY.

Gunson (Capt.)	31	34	32	97
Newland	29	33	30	92
Savage	29	33	26	88
Angove	30	32	25	87
Robertson	31	31	25	87
Hursthouse	23	31	30	84
Totals	173	194	168	535

* * * *

TENNIS NOTES.

Season, 1932-33.

Tennis brightened, and fairly keen interest was taken in it this season, allowing two teams to be formed. At a meeting early in the season Haydon was elected Secretary and Sports' Union Delegate.

We appreciated the services of C. Hogben, who captained the Tod Street Tennis team the previous season, and A. R. Beckwith, who has returned to the College as a member of the staff.

During the season Cliff Harvey, interstate tennis player, came up here on two occasions, and Don Turnbull, the Davis Cup player, R. L. Shepherd, another interstate player, and Ken Bruce, a Prospect District player, spent a Sunday afternoon on our courts. They played some exhibition matches, and showed us how tennis ought to be played.

The following represented the A Grade team:—Packer (Captain), Kelly (Vice-Captain), Coleman, Hogben, Jones, Gee, and McFarlane. B Grade:—Gunson (Captain), Beckwith (Vice-Captain), Pownall, Geddes, Haydon, Angove, Hursthouse, and Eardley.

Results of the matches:—

A GRADE.

October 29.—Freeling, 9 sets 85 games, d. R.A.C., 4 sets 58 games.

November 12.—St. George's, 11 sets 87 games d. R.A.C., 1 set 33 games.

November 19.—R.A.C., 10 sets 90 games, d. Todd Street, 5 sets 76 games.

December 3.—Roseworthy, 9 sets 91 games d. R.A.C., 4 sets 75 games.

December 17.—Todd Street, 9 sets 88 games d. R.A.C., 4 sets 63 games.

January 7.—R.A.C., 15 sets 125 games d. Wasleys, 3 sets 85 games.

January 28.—R.A.C., 9 sets 86 games d. Willaston, 6 sets 75 games.

February 11.—Baptist, 12 sets 94 games d. R.A.C., 1 set 30 games.

B GRADE.

November 12.—St. George's, 11 sets 92 games d. R.A.C., 2 sets 58 games.

January 7.—Baptist, 8 sets 61 games d. R.A.C., 5 sets 41 games.



INTERCOLLEGIATE TENNIS TEAM, 1933.

Standing—R. Roberts, L. S. Mann, G. C. Kay.

Sitting—W. O. Coleman (Capt.), M. W. Jones.

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Individual results:—

	Played	Wins	Losses	Games Won	Games Lost
W. O. Coleman	9	4	5	66	59
C. W. Kelly	7	3	4	48	53
R. Packer	9	4	5	58	70
C. Hogben	6	2	4	37	49
M. W. Jones	8	3	5	47	63
A. W. M. Gunson ..	3	1	2	19	22
R. A. Pownall	2	1	1	15	9
W. H. McFarlane ..	5	1	4	36	43
B. R. Gee	6	2	4	26	46
R. G. Geddes	4	1	3	17	33
A. R. Beckwith	2	1	1	11	13
C. W. Haydon	4	1	3	23	31
P. C. Angove	2	—	2	4	16
J. W. Hursthouse ..	2	—	2	11	16
W. Eardley	2	1	1	10	12

* * * *

AUSTRALIAN AGRICULTURAL COLLEGES' TENNIS CONTESTS.

In practising for these contests Mann and Roberts, two of the First Years, showed great promise. These contests this year were held at Roseworthy on 1st and 2nd June. Although the College grass courts had been well prepared, heavy rain made them unplayable. The play throughout the contests was fairly even, and a number of good matches were fought out. Dookie won the Shield, Hawkesbury being second, followed by Roseworthy and Gatton. Meares (D.A.C.), Coleman (R.A.C.), and O'Brien (H.A.C.) appeared to be the best players.

The teams were as follows:—

Dookie.—A Doubles—Meares (Captain) and Arnott; B Doubles—Gibben and Alford; A Singles—Meares; B Singles—Arnott.

Hawkesbury.—A Doubles—Stacy (Captain), and O'Brien; B. Doubles—McDonald and Baker; A Singles—O'Brien; B Singles—McDonald.

Roseworthy.—A Doubles—Coleman (Captain) and Mann; B Doubles—Jones and Roberts; A Singles—Coleman; B Singles—Mann.

Gatton.—A. Doubles—Cole (Captain) and Manning; B Doubles—Baker and Honan; A Singles—Cole; B Singles—Manning.

Results:— A DOUBLES.

- Gatton d. Roseworthy, 8—7, 7—5.
- Dookie d. Roseworthy, 6—3, 4—6, 6—3.
- Hawkesbury d. Roseworthy, 6—0, 6—3.
- Hawkesbury d. Gatton, 4—6, 6—3, 6—3.
- Dookie d. Hawkesbury, 8—6, 7—5.
- Gatton d. Dookie, 6—4, 4—6, 6—2.

B DOUBLES.

- Roseworthy d. Gatton, 8—6, 6—2.
- Roseworthy d. Hawkesbury, 5—7, 8—6, 6—3.
- Dookie d. Roseworthy, 2—6, 6—3, 6—2.
- Dookie d. Hawkesbury, 6—3, 6—2.
- Dookie d. Gatton, 6—1, 6—4.
- Hawkesbury d. Gatton, 6—0, 6—3.

A SINGLES.

- Roseworthy d. Gatton, 6—3, 2—6, 13—11.
- Roseworthy d. Dookie, 5—7, 7—5, 8—6.
- Hawkesbury d. Roseworthy, 6—0, 6—3.
- Hawkesbury d. Gatton, 7—5, 6—4.
- Dookie d. Gatton, 7—5, 6—3.
- Dookie d. Hawkesbury, 6—2, 6—2.

B SINGLES.

- Gatton d. Roseworthy, 6—2, 6—2.
- Dookie d. Roseworthy, 6—2, 6—0.
- Hawkesbury d. Roseworthy, 4—6, 6—1, 8—6.
- Hawkesbury d. Gatton, 6—4, 7—5.
- Dookie d. Hawkesbury, 6—3, 6—3.
- Gatton d. Dookie, 1—6, 9—7, 6—4.

	Totals	Rubbers.	Sets.	Games.	Order.
Dookie	9	21	168	1	
Hawkesbury	7	15	142	2	
Roseworthy	4	11	132	3	
Gatton	4	10	133	4	

* * * *

SWIMMING NOTES.

The swimming season began at the end of November, as soon as the pool had been filled, after being emptied and scooped. More interest was taken in the sport this year, owing to the formation of the Gawler Amateur Swimming Club, which was joined by many students. We attended a carnival on January 28, with Pownall as Captain, and were successful in gaining four firsts and four seconds in various events. The Gawler Club visited us on February 4 to contest a match, and were defeated by 42 points to 21, over 50 yards, 100 yards, 200 yards, 50 yards breast stroke, high and low dive, and a teams' race. Winners of points for R.A.C. were M. Richards (6), R. Geddes, R. Pownall, D. Prowse, E. Arnold, and R. Hay (5 each), E. Orchard (4), and C. Pollitt (1).

The Sports this year were held on March 20, much later than usual, but the weather was fortunately ideal. Some good times were recorded, and the Championship was in doubt until after the Low Dive, when D. Prowse was in an unbeatable position. E. H. Orchard was runner-up, being four points behind. The "Fulton" Cup produced little competition, the First Year being outstandingly superior, their Relay Team alone practically constituting that of the College.



AT THE
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22 Gold Medal Awards

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Mrs. Callaghan kindly presented the prizes prior to the dance in the evening.

Results:— CHAMPIONSHIP.

	100 yds.	50 yds.	100 yards Breast Stroke	Low Dive	400 yds.	Total
E. A. Arnold	—	—	3	—	—	3
R. G. Geddes	3	5	—	3	1	12
E. H. Orchard	1	1	5	1	5	13
D. Prowse	5	3	1	5	3	17

Championship won by D. Prowse.

"FULTON" CHALLENGE CUP.
(Inter-Year Competition.)

	100 yds.	50 yds.	100 yards Breast Stroke	Low Dive	400 yds.	Relay	Total
Third Year ..	—	—	—	5	—	1	6
Second Year ..	—	—	3	—	—	3	6
First Year ..	9	9	6	4	9	5	42

Cup won by the First Year.

Events:—

50 Yards (B Division).—Sutherland, 1; Richards, 2; Chaffey, 3.

100 Yards Breast Stroke Championship.—Orchard, 1; Arnold, 2; Prowse, 3. Time, 1 min. 35 2-5 sec.

Obstacle Race.—Richards 1; Jones, R., 2; Hursthouse, 3.

50 Yards Third Year Championship.—Eardley, 1; John, 2; Pollitt, 3. Time, 35 3-5 sec.

50 Yards Second Year Championship.—Richards, 1; Arnold, 2; Jones, R., 3. Time, 34 4-5 sec.

High Dive.—Pownall, 1; Pollitt, 2; Richards, 3.

50 Yards Breast Stroke Handicap.—Hay, 1; Benzie, 2; Chaffey, 3.

Low Dive (B Division).—Sutherland, 1; E. Savage, 2; Benzie, 3.

100 Yards Championship.—Prowse, 1; Geddes, 2; Orchard, 3. Time, 71 4-5 sec.

Greasy Pole.—Sutherland.

50 Yards First Year Championship.—Hay, 1; Sutherland, 2.

Low Dive Championship.—Pownall, 1; Prowse, 2; Geddes, 3.



SWIMMING TEAM, 1933.

Back—Mr. F. Gilbert, R. H. Jones, R. C. Hay, L. R. Sutherland.

Front—R. G. Geddes, E. A. Arnold, D. Prowse, E. H. Orchard, W. B. Chaffey.

50 Yards Open Championship.—Hay, 1; Geddes, 2; Prowse, 3. Time, 30 1-5 sec.

400 Yards Championship.—Orchard, 1; Prowse, 2; Geddes, 3. Time, 6 min. 17 sec.

Inter-Year Relay Race.—First Year, 1; Second Year, 2; Third Year, 3.

With the advent of summer we again look forward to a successful season, as we have many new swimmers in our midst. On November 11 we met St. Peter's College in their pool, and were badly beaten by 55 points to 16. D. Prowse, our Captain, again did well, winning 7 points, being equal first in the 100 Yards and second in the 8 Lengths.

* * * *

GOLF NOTES.

Towards the middle of July a suggestion was put forward by several bright students that a Golf Club be formed at the College.

Accordingly, a general meeting was held, and students were unanimously in favour of the scheme, and it was decided that the Club be affiliated with the Sports Union, but that no grant should be allotted. This left the onus of financing the Club on the Committee. After a great deal of discussion and some argument it was finally agreed that subscriptions should be

voluntary, and that busy bees be held to do the necessary work on the course.

Dr. Callaghan kindly arranged for Mr. McMahon, Myer Golf Professional, to visit the College and advise on the layout of the links. Our thanks are due to Mr. McMahon for his help in this direction, as the course closely follows his plan, embracing paddocks No. 2 and Naboths. His visit will be keenly remembered by one of the Committee, who carried his 17 clubs round during one dinner hour.

A band of enthusiastic workers, under the able management of Mr. Hickinbotham, soon had the links in good playing order, and many students tried their hands at the Royal and Ancient Game. A certain group of "hobos" became the keenest members of the Club, and morning, noon, and night saw them out endeavouring to hit "the little white pill." Financially the Club was also surprisingly well supported, and subscriptions from staff and students, together with the profits on a golf ball agency, reached somewhere in the region of £7 10/.

Towards the end of September the long grass caused considerable trouble and loss of balls, so that the season ended rather early.

Indications point to golf becoming an important branch of College sport, and we look forward to a successful season next year.

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Mixed Farming.

"There is no doubt it pays to 'mix it' in all things, including farming!" said the new chum as he sipped his beer at the "Cocky Chaff." Bill Hayseed, a farmer of forty years standing, smiled to himself, and then gave the following account of his experiences.

About ten years ago mixed farming **did** pay, in fact, any sort of farming paid, if you did a bit of work and used some "common." I was wheat then, and doing well. Holiday in the city, flash car, tractors, truck! Doing well!

Things changed. Had a bumper crop, so did everyone else, everywhere! So did the whole world!! Eighteenpence a bushel, 9d. for bags, 1/- for carting. . . .

Decided to develop sidelines. Sell the wheat as pork! Soon had a paddock full of lovely fat pigs, pride of the farm! And they still are. Nobody wants fat pigs.

Tried poultry. Plenty of eggs and prime cockerels. So did the neighbours, and every-

body else's neighbours. Then eggs went up, but the fowls went on strike. Must have heard about it.

Tried early lambs with oats for pasture, but as the lambs got fatter prices got thinner. "Hang on a bit," they said, so hung on to a couple of hundred—overweights! "We want 'lambs,' not 'bullocks'!" was what they said then.

Next year clover feed was wonderful, good lambing, fair prices, then they began to die. "Infectious entero-toxaemia," the vet. said, but "a ——," was what I said.

Made ensilage and fed with oats, up goes the milk yield, and down goes the price of cream! And I had to buy more cans!

Next year, up went wheat. Course it did. We only got our seed back that year.

Yes, mixed farming pays all right. More work to do, more ways to lose money, and less time to think about it. Some day we'll get a payable sideline, and then—so will everyone else!

—STEIN

Roseworthy Agricultural College

Principal: ALLAN R. CALLAGHAN, D.Phil., B.Sc. (Oxon.); B.Sc.Agr. (Syd.)

Subjects :

Agriculture, Animal Husbandry (including Elementary Veterinary Science, Aviculture, and Wool-clas sing), Dairying, Viticulture, Wine-making, Fruit Culture

Chemistry, Botany, Farm Book-keeping, Farm Engineering. Manual Practice on Farm, Vineyard, Orchard, and in Dairy, Wine Cellars, and Farm Workshop.

Fees :

Tuition, Board and Lodging	£45	10	0	per annum
Medical, Sports, etc., Fees	4	10	0	" "

Payable *pro rata* at the beginning of each session.

Scholarships :

Six, each valued at £136 10s., open for competition annually.

Sessions :

The course of study extends over six sessions, or three years. The First Session opens early in April and closes end of July. The Second Session opens early in August and closes in the first week of March.

Applications for Prospectus and information should be addressed to—

THE SECRETARY,
Agricultural College,
Roseworthy.