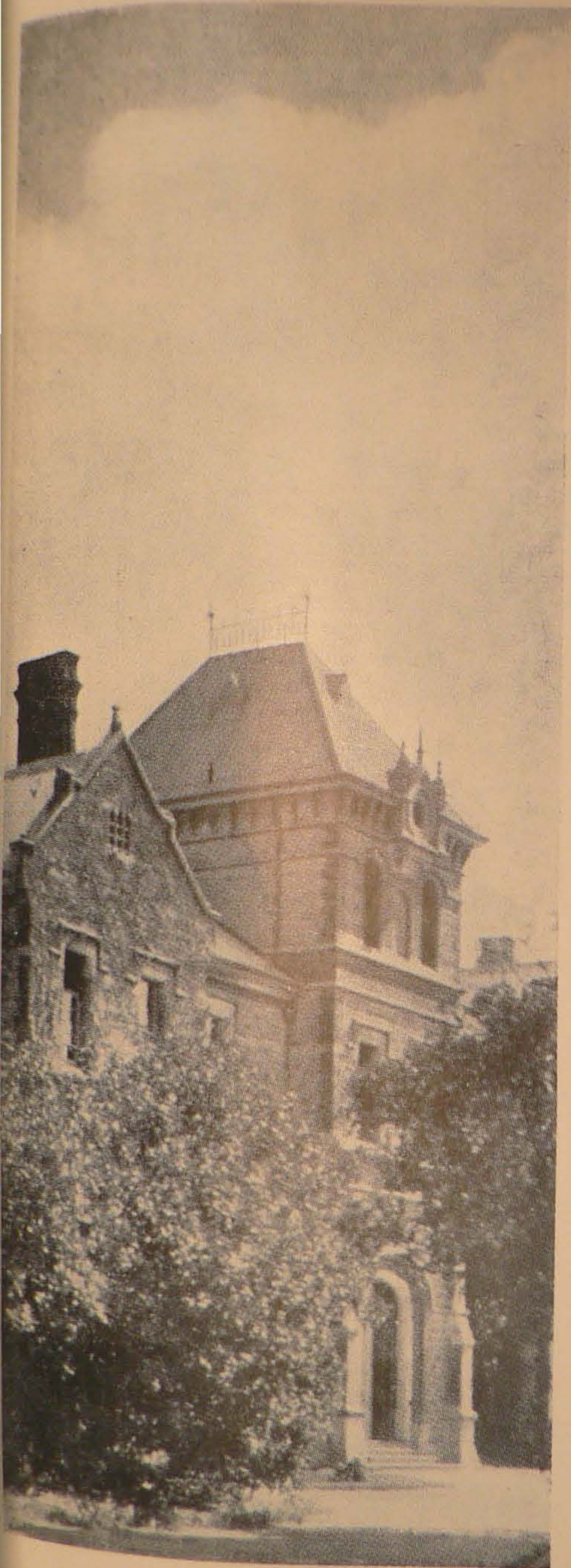


The Student

Magazine
of the
Roseworthy
Agricultural
College



THE STUDENT

Vol. XXXI, No. 1.

December 21, 1935.

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"Et conflagrant 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 and Lecturer in Book-keeping:

J. W. GOULTER, A.F.I.A.

Lecturer on Chemical and Physical Sciences:

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

Secretary and Accountant:

B. C. PHILP.

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.

Livestock Assistant:

S. E. WHICKER, D.D.A.

Superintendent of Vineyard and Orchard:

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

Laboratory Assistant and Librarian:

J. P. EGAN

Farm Manager:

O. BOWDEN, R.D.A.

General Mechanic:

H. R. NOURSE

Field Officer:

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

Gardener:

W. G. FAIRLIE

Medical Officer: Dr. J. S. COVERNTON, Gawler

Old Collegians' Association.

President: Col. D. FULTON.

Vice-President: Mr. ROWLAND HILL.

Committee: Drs. A. R. CALLAGHAN and A. E. V. RICHARDSON, Messrs. P. J. BAILY, F. T. COOPER, R. C. SCOTT, J. L. WILLIAMS.

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

Secretary and Treasurer: Mr. S. R. KLOSE.

Assistant Secretary: Mr. F. C. GROSS.

STUDENTS' ROLL

III YEAR.

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

Jenkins, G. S.
Kain, K. K.
Kay, G. C.
Mackay, C. R.
Mann, L. S.
Muirhead, D. B.
O'Neil, J. M.

Orchard, E. H.
Roberts, R.
Robertson, R. L.
Stephens, C. A.
Ward, S. A.

DEGREE STUDENT.

Beare, J. A.

II YEAR.

Afford, H. D.
Arnold, G. K.
Brandon, L. H.
Burge, N.
Bussell, B. W.
Cotton, M. C. C.
Griffiths, A. R.
Lawes, A. S.

McEwin, G. G.
McNeill, E. B.
McNeill, H. H.
Mellor, D.
Nourse, J. R.
Orchard, H. E.
Pinkerton, H. K.

Shepherd, W. L.
Shipster, R. F.
Smith, B. C. W.
Tummel, J. LeH.
Walker, A. J. K.
Wheaton, E. L.
Woodroffe, H. M.

I YEAR.

Baker, R. M.
Baker, W. J.
Bowman, A. P.
Brookman, D.
Butler, M. S.
Diercks, L. D.
Graham, W. O.
Harvey, C. K.
Hemmings, B. J.

Heysen, M. R.
Higgs, N. R.
Kuchel, R. H.
Lewis, G. B.
Magarey, J. W.
Mitton, R. L.
Motteram, D. S.
Orr, N. S.

Perry, R. S.
Sanders, W. F.
Schinckel, P. G.
Seppelt, P. S.
Snodgrass, W. G.
Stanley, J. T. L.
Stephens, R. F.
Wilson, C. C.

OFFICE-BEARERS, 1935-36.

President of all Committees: The Principal.

"The Student" Committee—

Manager: Mr. A. R. Hickinbotham.
Editor: R. L. Robertson.
Sub-Editor: A. J. K. Walker.
G. C. Kay, N. Burge, R. F. Stephens.

The Students' Representative Council—

Chairman: L. S. Mann.
Secretary: H. V. Chamberlain.
E. B. McNeill, D. H. Mellor, D. N. Brookman,
L. D. Diercks.

The Sports Union—

Chairman: The Sportsmaster (Mr. R. Baker).
Secretary: L. S. Mann.
Treasurer: Mr. B. C. Philp.

Delegates—

Football: L. D. Diercks, L. H. Brandon.
Cricket: D. B. Muirhead, B. C. W. Smith.
Tennis: R. Roberts.
Swimming: E. H. Orchard.
Rifles: H. V. Chamberlain.
Athletics: E. B. McNeill.
Golf: D. H. Mellor.

Football Committee—

Manager: Mr. S. E. Whicker.
Captain: J. W. Gilchrist.
Vice-Captain: R. Roberts.
Secretary: J. W. Gilchrist.
E. B. McNeill, L. H. Brandon, L. D. Diercks.

Cricket Committee—

Manager: Mr. J. L. Williams.
Captain: J. W. Gilchrist.
Vice-Captain: B. C. W. Smith.
Secretary: B. C. W. Smith.
D. B. Muirhead, J. LeH. Tummel, N. S. Orr.

Tennis Committee—

Manager: Mr. E. J. Breakwell.
Captain: L. H. Brandon.
Secretary: L. H. Brandon.
R. Roberts, S. A. Ward, R. W. Cowley, J. Baker.

Athletics Committee—

Manager: Mr. S. R. Klose.
Joint Secretaries: G. C. Kay, E. B. McNeill,
G. S. Jenkins, H. D. Afford, J. T. L. Stanley.

Swimming Committee—

Manager: Mr. F. W. Gilbert.
Captain: E. H. Orchard.
Vice-Captain: D. B. Muirhead.
Secretary: H. E. Orchard.
C. R. Mackay, H. H. McNeill, P. Seppelt.

Golf Committee—

Manager: Mr. O. Bowden.
Secretary: D. H. Mellor.
Mr. A. R. Hickinbotham, W. M. C. Hackett,
P. G. Schinckel.

Rifle Committee—

Captain: Mr. R. Baker.
Secretary: Mr. A. E. Gurner.
Mr. E. C. Savage, H. V. Chamberlain, H. B.
McNeill, W. F. Sanders.

Gymnasium Committee—

Manager: Mr. R. H. Jones.
Secretary: E. H. Orchard.
L. H. Donohue, H. D. Afford, M. R. Heysen,
P. Seppelt.

Social Committee—

Manager: Mr. J. W. Goulter.
Secretary: D. B. Muirhead.
Mr. E. J. Breakwell, Mr. F. W. Gilbert, L. S.
Mann, D. G. Mellor, E. B. McNeill, C. C.
Wilson, P. Seppelt.

Editorial.

DEPRESSION—AND HISTORY.

In the early history of Australia, and even in more recent pre-war years, the attitude taken by the various Parliaments towards agriculture has been a passive one. It was probably considered that the agricultural progress being made was quite satisfactory; the sheep outnumbered the dingoes, the wool grew without a Bill being passed, the newly-opened land was fertile, and it later responded wonderfully to dressings of superphosphate. Meanwhile, there were good markets, and such a calamity as a world's surplus was unheard of.

But since the war, with the growth of a spirit of economic nationalism and the wearing of gaily-coloured shirts, a new attitude towards agriculture has been taken by the nations of the world. Forced by the fall in prices due to increased output, Australia is gradually adopting this policy of encouraging primary production; this is evidenced by the advertising campaigns and legislation of the past few years.

But no effort has been made to make the individual realise the causes and effects of an agricultural and national depression.

In our younger days we laboriously, if inartistically, scrawled in our copy books "Experience is the best teacher." Why, then, have we neglected to profit by the events leading up to similar crises of the past? Simply because, in the study of history, these vital facts have been lightly skipped over, and more emphasis placed on the fighting of

battles and the death of kings—incidents that have no bearing on the situation of to-day. How many people who are capable of describing accurately the matrimonial adventures of Henry VIII, or Nelson's annoying habit of clapping the telescope to his blind eye, have any knowledge of the development of our social institutions and relationships, or the inter-relations of the modern commercial world?

So inevitably has depression followed a boom period in the last century that it is impossible to name the more disastrous of the two. During a depression many city dwellers voice the opinion that, after so many years of high prices, farmers should be able to stand the effects of slump prices until "times change."

The man who benefited by the good prices had long cherished a hope of being in a position to retire from the farm to a life of ease. The opportunity usually comes with these periods of peak prices; he sells his farm and, with his family and money, goes to the city, which benefits from his spending. And it is seldom realised that the farmer who faces the depression with little experience and less capital, but carrying a huge burden of debt, and the one who enjoyed prosperity a year or so ago are, to a very large extent, different identities.

The cycle of stability, boom, depression flows on. Surely it is not beyond our powers to avert the difficulties of both the flood of inflation and the sluggish stream of depression, and regulate in some measure the spasmodic flow of national prosperity.

A. J. K. W.

The Principal's Address.

Speech-day, 1935.

Speech-day, 1935, was of more than usual significance in that it marked the close of the fiftieth scholastic year, and was attended by a large number of Old Students who had come to begin the Jubilee Reunion arranged by the Roseworthy Old Collegiates' Association. Another feature of interest was that it was the first Speech-day broadcast throughout the State, by arrangement with Station 5DN, Adelaide.

The Principal left the recital of College history and development to the Chairman of the Governing Council (Mr. A. M. Dawkins), who, being one of the foundation students, was naturally very competent to speak of the early history and subsequent development of the College.

The following excerpts from the Principal's Speech-day address will serve to convey the items of chief interest:—

"The present is the third occasion on which I have had the honour and privilege of reviewing the agricultural and scholastic year of the College, and it seems to me that of the three the year just closed has expressed in its quiet, regular, and harmonious rhythm many of the ambitions, hopes, and aspirations of the first two. I can, with confidence, claim that during the year every aspect of College life has glowingly reflected health and vigour, which augurs well for its future well-being. Public confidence has, I feel sure, been wholly restored. Even the ubiquitous press letter-writer has, for over twelve months, ignored our manifold sins; in fact, the whole of our last year's work has been entirely undisturbed by the arrow-points of ill-founded criticisms.

"The year opened auspiciously with a record first year of thirty-two students, which brought the total College enrolment

to sixty-eight. With several officers requiring lodgings our accommodation was fully taxed; in fact, many rooms were overcrowded. As the third year numbered only thirteen, the exodus of students was expected to be below fresh enrolments, and greater congestion than ever threatened for the coming year. Accordingly, I recommended the construction of a new building to accommodate single members of the staff and visiting officers, to provide a more private and serviceable office for the Housemaster, as well as a staff common room. It is with great satisfaction that I am able to announce that, with the full support of the Governing Council, approval was obtained from the Honourable the Minister for Agriculture, and later the Honourable the Premier, for this long-overdue improvement, and it was a pleasure to learn this week that tenders for the building have already been called. The construction of this building will relieve several large rooms in the main building and thereby increase our student-carrying capacity to approximately eighty."

As will be noted from comments made elsewhere the building referred to above has now been built, and awaits furniture and habitation.

"During the year not the least important departure from usual was the tone of the last report issued by the Auditor-General with respect to the College accounts; the substantial improvement which has taken place in our finances was duly acknowledged in a manner which was both approbatory and encouraging. The report stated that the College accounts showed a material reduction in cost to the taxpayer in the last five years, despite only fair reasons and very low prices for farm products. In this regard it is significant that in the five years since

1929 the cost to the taxpayer has decreased by no less than £6,851.

"From this last statement one might suppose that both the efficiency and general maintenance of the College and College farm were in danger of being undermined by misguided economies, but nothing could be further from the truth, for although no questionable expenditure has been incurred, a tremendous amount of work with regard to general maintenance and improvement has been undertaken. Such unspectacular things as fencing, the renovation and maintenance of farm buildings and machinery uses money in a less satisfying way than if it were used for more spectacular purposes. I hope from these remarks you will appre-

ciate the subtle way in which I am endeavouring to draw your attention to real farm improvements, which to the uninitiated are liable to pass unnoticed, and at the same time to indicate that money is being utilised, not so much with the object of catching the eyes of unsuspecting visitors as to put the property on a sound farming basis."

The Principal then referred to outstanding results obtained on the farm during the year, introducing his remarks as follows:—

"I think everyone will realise how important it is for students that the farming and livestock management about them should be of a high standard. For the most part I find that students are very susceptible to good example, for even the most



DIPLOMA CLASS, 1935-1936.

Back: L. L. Donohue, J. M. O'Neil, J. W. Gilchrist, R. Roberts, R. W. Cowley, E. H. Orchard.
 Middle: W. M. C. Hackett, G. S. Jenkins, G. C. Kay, A. E. A. Alcock, D. B. Muirhead,
 R. L. Robertson, C. R. Mackay.
 Front: C. A. Stephens, S. A. Ward, L. S. Mann, The Principal, H. V. Chamberlain, K. K. Kain.

heedless of them, after three years with us, must acquire, through force of habit, imitation, and constant heckling, a certain amount of guile and common sense. These remarks are intended to presage those to follow, by which I desire to prove to you that the right sort of opportunity is being presented to the students."

He then referred to the winning of the Cooper Cup by the College for exporting the best consignment of lambs from South Australia in 1933, and to the winning of championship prizes at the Royal Adelaide Show with stud stock. Reviewing the wheat harvest, he stated:—

"In spite of the low rainfall and adverse weather during the winter, the wheat returns from the 405 acres harvested for grain were especially good. At first it was thought the actual wheat yield per acre was the highest average recorded at the College, but after careful checking of all figures an average yield of 26 bushels 57 lbs. was obtained. Curiously enough, this average yield is exactly the same as the record yield harvested in 1920 from 340 acres. That year, however, was a particularly favourable one, with a rainfall two inches above the average, while the rainfall during the growing period of the crop (April-October, inclusive) was very high at 14.88 inches; this in itself is in excess of the rainfall for the whole twelve months of last year. The significant fact which I am ponderously trying to make clear is that the bushel yield of wheat obtained last year per inch of seasonal rainfall was easily a record. This record stood at 1 bushel 58 lbs., and, incidentally, was established the previous season. Last season's figures, however, were 2 bushels 22 lbs. per inch of seasonal rainfall."

Dr. Callaghan concluded this aspect of his report with the following comments of interest to all students of agriculture:—

"I think I have outlined sufficient of our endeavours on the farm to convince you that

at least we continue to progress and at the same time give students every opportunity of progressing with us. In this latter connection I assure you that it is my confirmed and stubborn opinion that agriculture and animal husbandry cannot be taught without proper, adequate, and efficient practical work. Practical outlook and initiative, as well as practical reasoning and application, are fundamental to the success of any agricultural training, chiefly because they form the common-sense elements of agricultural education. As such they must be given very careful attention, lest in our enthusiasm perspective is lost, and students leave us crammed with facts of which they know not the true significance. So much of our education these days is apt to neglect the development of sheer common sense, and there could be no greater failure imaginable than a farmer without it."

After paying a tribute to the good behaviour and good sportsmanship of the students throughout the year, reference was made to the new arrangement for the classification of Diplomas in the following terms:

"The only change of any note in College matters has been the discontinuance of the old system of Diploma classification into first, second, and third classes. It was felt that such grading of Diplomas did not convey the full significance intended, and in order to emphasise any distinctions gained it was decided, in future, to award first and second class honours, and leave the Diplomas of lower standard unclassified. Any student gaining 80 per cent. or over is now entitled to a Diploma with first class honours, and any gaining 70 per cent. or over, but under 80 per cent., will be awarded second class honours.

"In order to avoid confusion of terms, students gaining 85 per cent. or over in any of the six professional subjects will be awarded high distinction in that subject in

lieu of honours, which hithertofore was the distinction given."

Attention was then drawn to student activities during the year and the outstanding results of Diploma and annual examinations were given. Before concluding, the Principal referred to the award of the Ridley Scholarship to Mr. K. Woodroffe, who was Dux of College for 1934, and the Government Scholarship in Veterinary Science to Mr. A. W. M. Gunson, who was second to Woodroffe on the Diploma list for 1934.

The proceedings were followed with great interest and attention by the large crowd, which filled to overflowing the College dining hall. Hay, the Dux and Gold Medalist, spoke quietly through the microphone at one stage; the pleasure of hearing him was denied the gathering, but listeners-in report a really touching speech!

* * * *

DIPLOMA LIST, 1935.

In Order of Merit.

Diploma of the Second Class.—455 Robert Claude Hay, 456 Malcolm Wynford Jones, 457 Laurence Thew Jacobs, 458 Martyn Henry Pollitt, 459 Peter Furner Minhard, 460 William Benjamin Chaffey (with High Distinction in Oenology).

Diploma of the Third Class—461 Randell Joseph Turner, 462 Evan Cecil Savage, 463 Robert Leslie Green, 464 Dick Prowse.

* * * *

PRIZE LIST—YEAR 1935.

THIRD YEAR STUDENTS.

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

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

Old Students' Cup (presented by the Agricultural Old Collegians' Association for the highest aggregate in Agriculture and Veterinary Hygiene).—R. C. Hay.

Outside Work (presented by the Albert Molineux Memorial Trust).—M. W. Jones.

Practical Examinations (presented by the Members of the Advisory Board of Agriculture).—R. C. Hay.

Oenology (presented by the S.A. Vinegrowers' Association).—W. H. Chaffey.

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

The Haselgrove Prize in Viticulture (presented by the late Mr. C. F. Haselgrove).—L. T. Jacobs.

Agriculture (presented by the Principal).—R. C. Hay.

Ploughing (presented by the Director of Agriculture).—L. T. Jacobs.

General Proficiency in Horticultural Subjects (presented by Mr. H. Kay).—W. H. Chaffey.

Sheep Husbandry (presented by Mr. W. S. Kelly).—L. T. Jacobs.

Swine Husbandry (presented by Mr. E. A. Wilcox).—R. C. Hay.

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

Identification of Cereals (presented by Mr. W. F. Leak).—P. F. Minhard.

SECOND YEAR STUDENTS.

Dux of Year (Silver Medal presented by the Gawler Agricultural Society).—H. V. Chamberlain.

Second Aggregate Prize (presented by the College).—H. R. Kemp.

The T. G. H. Buring Prize in Viticulture.—H. V. Chamberlain.

Agriculture (presented by the Principal).—J. C. Barbary.

Morphett Prize in Dairying (bequeathed by the late Mr. A. H. Morphett).—H. V. Chamberlain.

Outside Work (presented by the Albert Molineux Memorial Trust).—R. W. Cowley.

Animal Husbandry (presented by Sir David Gordon).—H. V. Chamberlain.

General Proficiency in Horticultural Subjects (presented by Mr. H. Kay).—J. C. Barbary.

FIRST YEAR STUDENTS.

Dux of Year (Bronze Medal).—A. J. K. Walker.

Second Aggregate Prize (presented by the College).—A. S. Lawes.

Outside Work (presented by the Albert Molineux Memorial Trust).—E. L. Wheaton.

Agriculture (presented by the College).—B. C. W. Smith.

Morphett Prize in Dairying (bequeathed by the late Mr. A. H. Morphett).—A. J. K. Walker.

Menzies Prize (presented by Mr. D. Menzies to the most consistent and intelligent trier, who has not secured any other prize).—N. Burge.

DUCES 1934-35.

First Year.—A. J. K. Walker.

Second Year.—H. V. Chamberlain.

Third Year.—R. C. Hay.

Before he was awarded a Scholarship for Roseworthy, R. C. Hay attended the Renmark and the Strathalbyn high schools, and later had some practical experience on a fruit block at Renmark.

He gained second class honours in the Diploma examinations, and won the Old Students'



Dux of College :
R. C. HAY, R.D.A.

Cup for the highest aggregate in Agriculture and Animal Husbandry. He held office on several Committees, and in his final year was elected Sports Union Secretary and Senior Councilman.

The Swimming team has suffered a great loss through Hay's departure from the College. He was awarded a Blue for that sport. He won the Championship Cup twice, and he holds five of the seven College records.

After the final examinations, Hay came back to the College for a few months as the Cereal Cadet, and completed a fine piece of work in the determination of the gluten content of the samples in the recent State Ford Quality Sur-

vey. He is now on a sheep station in New South Wales, where we hope he is meeting with the same success and popularity he enjoyed while at R.A.C.

* * * *

The Students' Representative Council.

It being felt that the existing system of Councilmen did not provide for adequate contact between the Principal or Housemaster and students, the Principal, at the end of last session, formulated a new scheme of student representation, the details of which are evident from the Constitution printed below.

— CONSTITUTION —

Name.—Students' Representative Council.

Duties and Powers of the Council.—

- (a) The Council's duty shall be to consider all matters relative to the welfare of Students, without encroaching upon the Constitution of the Sports Union.
- (b) It will function as an intermediary between the Students and the Principal.
- (c) It shall deliberate upon all such matters as may be brought before it by any Councilman.
- (d) Councilmen must consider themselves representatives of their Year, and as such must express the general consensus of opinion of the Year so represented.
- (e) In spite of Clause (d), the personal opinions of Councilmen shall be expressed and duly considered, but due emphasis and consideration must in all cases be given to the opinion of the majority of Students they represent.
- (f) Councilmen will be empowered to finalise all matters which are strictly Student affairs relative to their welfare, and which in no way interfere or impinge upon the Organisation and Control of the College.
- (g) Councilmen shall give three (3) days' notice of matters which they wish to have placed on the Agenda.

Representation.—

- (a) There will be two (2) representatives appointed from each Year, making a Council of six (6).
- (b) The representatives shall receive the status of Councilmen.

- (c) One Councilman from each Year shall first be appointed by Students of the Year they are to represent.
- (d) The other Councilmen for each Year shall then be appointed by the Principal.
- (e) Councilmen shall be deemed to be elected for the whole year with the exception of First Year, when an election shall be made at the beginning of each Session.
- (f) The Councilmen are to regard themselves as representatives of the Year, and any matters which concern their particular Year only should be brought under the notice of the Principal by one or both of the Councilmen.
- (g) The Principal shall at all times have the right to call for the resignation, through the Council itself, of any Member of the Council who, through misdemeanour or any other cause reflecting on his status as Councilman, shall be deemed unworthy to continue in office.

Office-bearers.—

- (a) Chairman.—The Councilman representing Third Year, and elected by the Students, shall be Chairman.
- (b) Secretary.—The Secretary shall be elected by the Council at the first meeting of the scholastic year.

Meetings.—

- (a) The Council will be required to meet regularly in the first week of every month during College Session.
- (b) Four (4) Councilmen will constitute a quorum.
- (c) In the absence of the Chairman, the Councilman next in seniority shall preside.

- (d) Whenever necessary, the Chairman shall have a casting vote. At all times the Secretary shall have full voting power.
- (e) Full minutes of all matters dealt with in Council will be recorded by the Secretary, signed by the Chairman, and submitted to the Principal within three days of the Meeting. Such minutes will be duly read and confirmed at the following Monthly Meeting of the Council.
- (f) Any matters arising out of the meeting which are to be conveyed in the form of requests to the Principal or Housemaster shall be personally presented to the Principal or Housemaster by the Chairman and Secretary within 24 hours of the meeting.
- (g) Special meetings may be arranged from time to time according to circumstances, or arising out of a written request of no less than three Members of the Council. Any special meeting so requested shall be held within 24 hours.
- (h) Occasions when the whole Council wish to meet the Principal shall be deemed special meetings.
- (i) All Special Meetings shall be recorded in the minute book in accordance with the procedure adopted for ordinary meetings.

Constitution.—

- (a) Alterations in the Constitution may be made from time to time, provided a two-third majority of the Council rule in favour of such alteration, and provided also that it meets with the approval of the Principal.



THE NEW STAFF QUARTERS.

Current Events.

Notes and Comments.

Last year's harvest proved to be well amongst the records. From 405 acres of wheat harvested for grain the average yield was 26 bushels 57 lb. per acre, and the yield per in. of seasonal rainfall was 2 1-3 bushels. Though the yields obtained during the earlier years are not available, and some high ones are said to have been obtained, the former figure exactly equals the highest previously recorded yield, and the latter is a record. The best returns were 35½ bushels per acre from Ranee 4H, and 33 bushels per acre from King's White, a variety that has proved particularly reliable under these conditions. Early in the season the dry period threatened failure, but bountiful rains during August were followed by regular and frequent falls for the rest of the season, and the finishing conditions have seldom, if ever, been excelled, though the rainfall for the season was below average.

Barley yields, too, were above average, and the grain sample was splendid, the return being a little over 32 bushels per acre. The harvesting of the pea crop (Crouch's C) was delayed because of weed growth due to the rains, and grain was lost through splitting of the pods. The yield was 14½ bushels per acre.

Heavy rains fell at the beginning of April this year, and large areas of fallow and stubble land were prepared and put in an excellent condition for sowing. Green-feed presented itself in abundance.

Seeding started on 1st May, and continued almost without a break until early in June, when only the barley in Ebsary's remained. The dry period was also favourable for killing off weeds, but the absence of sub-soil rains during the winter caused the pea crop in George's and the Burr Medic in other parts to suffer a little.

In Day's C meadow hay was made with a little difficulty owing to rains, but it provided fodder while supplies at the farm were getting low.

The control of wild mustard in Crouch's D is becoming a knotty problem, and it is feared that these weeds will interfere with the future plans for pasture development. However, weed-pulling by hand is becoming a favourite task for First and Second Years, while the demand for cheap literature increases accordingly.

At the end of August we had the misfortune to witness the fine crop of Sword wheat in Day's A and B mowed down by a passing hailstorm. The stems were broken half-way down and the top portions started drying off. After this, the yield was not expected to exceed 10 bushels per acre. However, the tide turned, and after useful rains the prospects of good hay returns at least from this paddock were increased. Until this calamity occurred an excellent crop was anticipated.

The Tennis tournaments were completed after the Christmas vacation, and during the second week in January the Swimming Sports were held. Fortunately, fine weather and a good attendance made the day a success. The Swimming Dance was held in the evening and was enjoyed by everyone.

After the final examinations in February a great relaxation was experienced by both the Staff and students. The coveted Gold Medal was won by R. C. Hay, and M. W. Jones filled second place.

The proceedings of Speech-day were broadcast through Station 5DN, Adelaide.

The College commenced its new year in April, with 25 new students and one degree student, making the total seventy-three. To welcome the "freshers" and give us an idea of speech-making, the Principal arranged for a Staff and Student

Dinner, an annual function that was successfully innovated last year. Another important feature was the Roseworthy Steeplechase, which was won by a "dark horse," and in connection with this the auction sale was held a few weeks prior to the memorable race meeting. The course extended from the front of the College, round the north-eastern boundary of Crouch's C, over Crouch's D gate, which, by the way, resisted great stresses, and back to the College steps, via the wine cellars. A few days later the First Years entertained us with a concert.

A good deal of experimental work was carried out during the year in connection with fallow cultivations and manurial trials. A pasture experiment was started in Crouch's C, and also in the old northern vineyard block. The pasture mixture, lucerne and Wimmera rye grass, was sown with oats as a cover crop, which is to be harvested in four different ways—as grain, hay, silage, and grazed by sheep. The varieties of oats used as cover crops are tested and observations on the pasture are taken.

The old super plots in Grainger's are gradually being demolished, while new ones in No. 5 are taking their place. The latter will be worked on modern lines, incorporating a number of replications.

A new experiment regarding the rate of sowing pasture is being carried out, using lucerne and lucerne and Wimmera rye grass together, the seeding rates varying from 2 to 10 lbs. per acre. In Crouch's D replicated grazing trials were started with different varieties of oats. The recovery of varieties after grazing is observed, while the two methods of harvesting are as grain and hay. In the same paddock a manurial trial is being conducted with super and sulphate of ammonia mixtures as well as the manures alone.

The crop of Huguenot wheat in No. 4c is showing a wonderful stand, being over five

feet six inches in height, and the hay yield is expected to be high. By the way, a photograph of it appeared in "The Advertiser" several weeks ago.

To cope with the increase in demand for pure seed a new Hannaford grader of the Carter disc type has been installed in the grain shed.

The pasture of Wimmera rye grass in Naboth's is well worth consideration. It has been grazed down heavily, but its recovery is astonishing.

In the "birdcage," selection of rust-resistant wheats will be carried out. Conditions favourable for the development of rust are brought about after susceptible varieties are inoculated with the spores, and varieties immune to attacks are selected for breeding.

The old grass plots behind the "birdcage" have been transferred to the northern vineyard block, and Mr. Jones now realises that many first year days spent on garden were not in vain.

The plant-breeding plots in No. 4c are making a good show this year, and the area under crop has increased a little. The plant-breeding staff has been augmented by the appointment of Mr. Jones as temporary assistant. One brainy student worked out that the length of all the hand-planted rows put together total fifty-three miles, the plants being four inches apart. The plots constitute an area which is the largest of its kind in the Commonwealth, and due credit must be given to our ambitious plant-breeder.

In recent years the College has given much attention to "quality" in wheat, and new varieties sent out from here in future will have, at least, a certain minimum quality. All varieties under development have been tested by the Pelshenke test, and many for gluten also. Last year 8,000 lines were examined by the former test.

In order to be in a position to carry through this testing to the finished loaf a

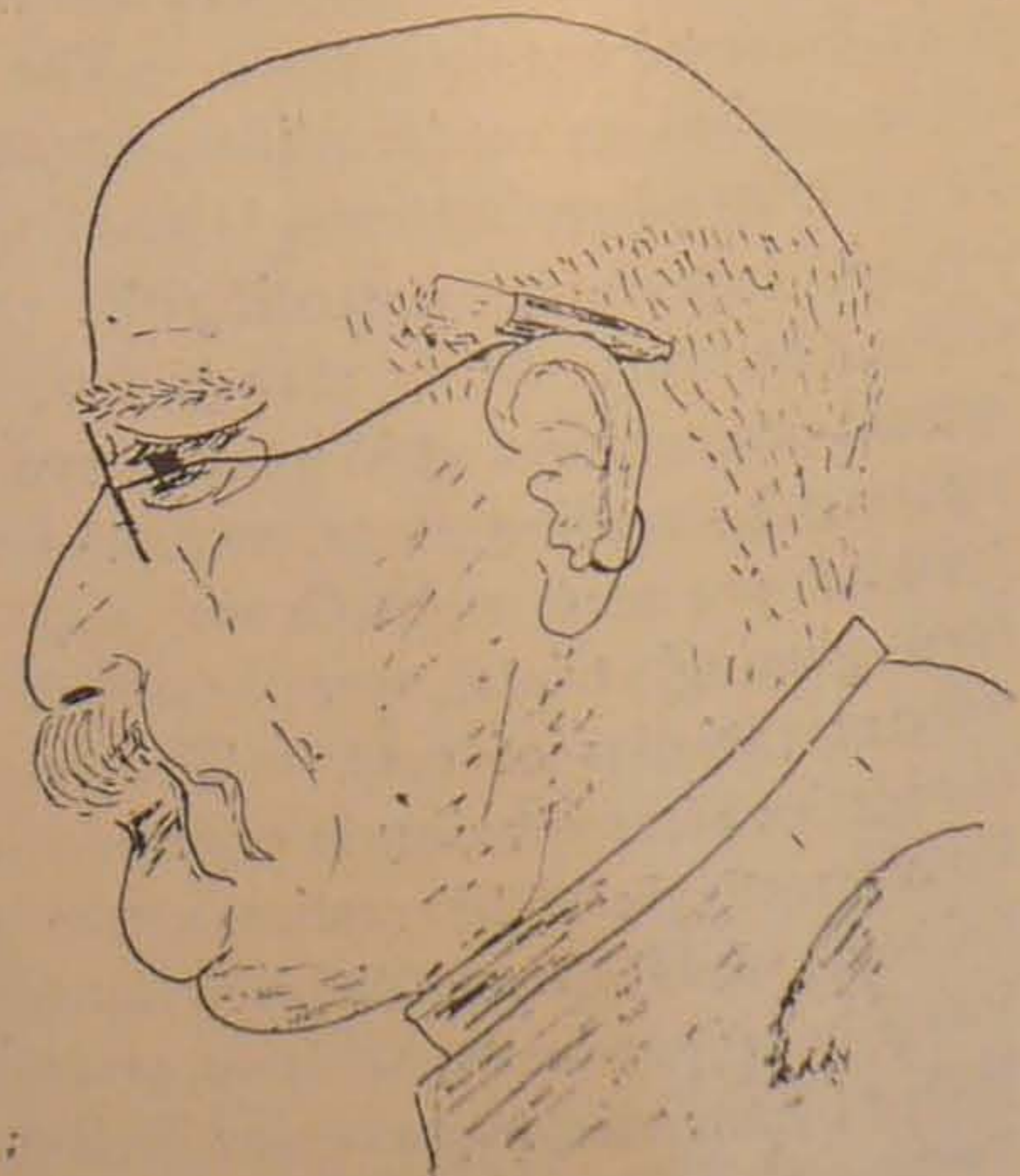
cereal laboratory is being installed. The apparatus will consist of a small flour mill and a modern experimental baking oven with other essential equipment. We do not yet know whether it will be a function of this laboratory to provide hot rolls for breakfast.

Last year 350 samples of Ford wheat were grown throughout the State, and returned to the College for testing. This work has indicated a very much greater variation in quality in this State, due to climatic factors, than has previously been supposed, and the knowledge gained should be of value in any scheme for improving the quality of our wheat as a whole.

Thursday, 26th September, became a red-letter day in the history of the College. We welcome the advent of power-farming, which has become the permanent rival of the horse-team. That day the S.A. Tractor Co. gave us a demonstration of their new

powerfully-built "Caterpillar Twenty-two," the Farm Manager was not backward in showing us how tractor-farming should be carried out. During the next few days the "yellow-demon" certainly proved itself by working at a colossal speed until sunset. Fortunately, intense enthusiasm soon wanes, and the tractor is now more or less skilfully driven by senior students. We are much indebted to this firm for their generosity in allowing us the use of the tractor for a period, as well as for entertaining us with their interesting "movies," which were shown in the evening. The films gave us an idea of what the "Caterpillars" can do in other parts of the world.

As regards the horses, continual improvement is evident. During the first session six "old crocks" were driven into Gawler and sold at an auction sale, making way for the new ones coming on which have been bred at the College. Foaling began this

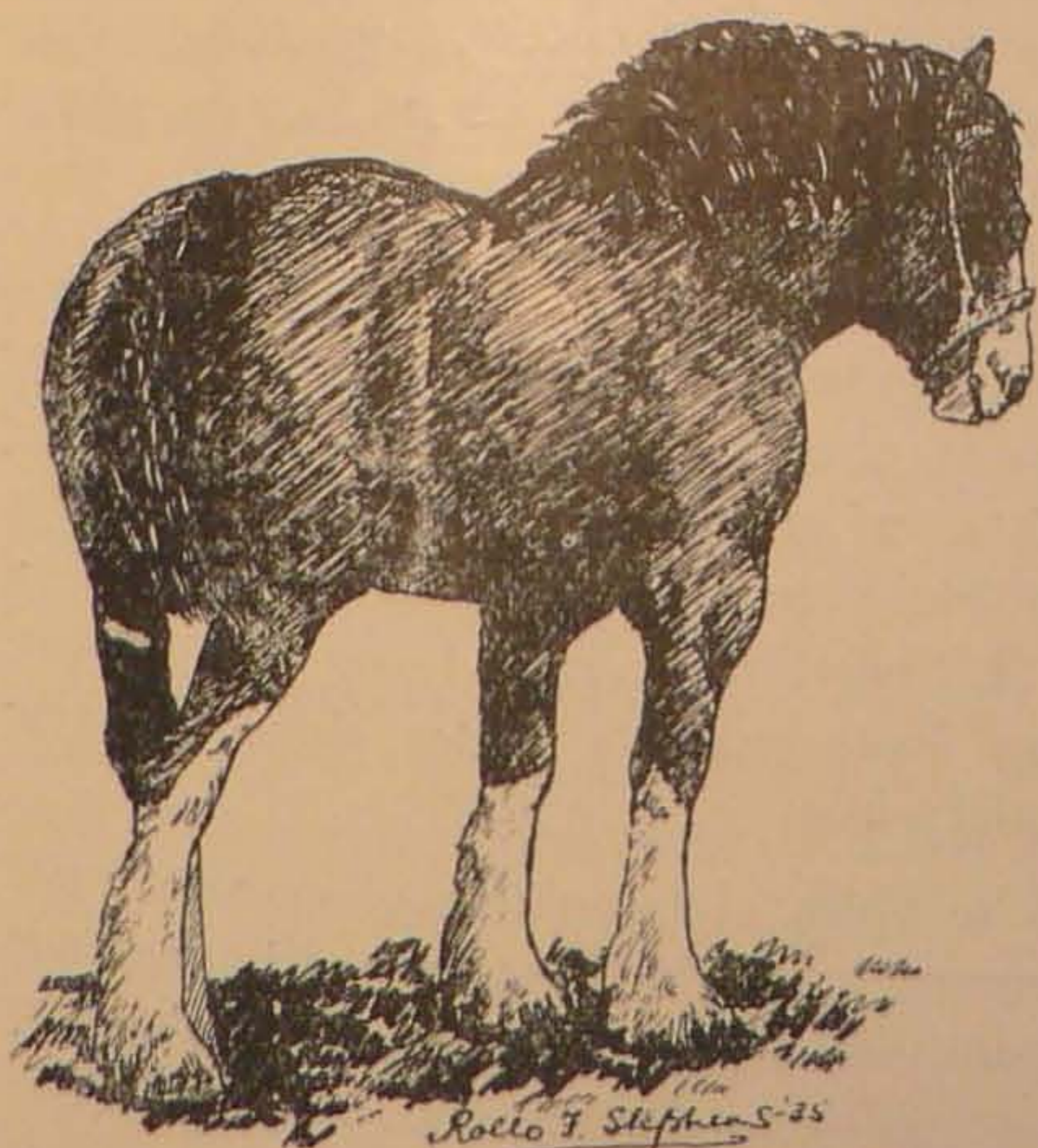


What won yesterday Jack?

season in July, but unfortunately it brought its casualties. We were sorry to miss Topsy and Maggie, who died at foaling. Angus surprised us by placing himself upside down in a trench, and all that was visible at five o'clock one morning were four legs waving about in a mysterious manner.

A few foals had to be hand fed this season, much to the displeasure of the man in charge, as this necessitated feeding at intervals during the night. However, he should be accustomed to this, as foaling time means a number of all-night sittings. During the day the youngsters are turned out with their mothers into a paddock, where they revel in the joys of basking in the noonday sun.

In connection with the dairy herd there have been some noteworthy additions. A bull, "Lanacoona Brown Laddie" was purchased from C. E. Verco, of Mt. Compass, and three young cows from Jas. McEwin, of "Glen Ewin," Houghton, who also favoured us by donating a bull. These five animals are from famous herds, and their introduction should be of material assistance in improving the present herd.



CYRUS.

A number of experiments have been conducted with the pigs through the year with regard to feeding. The merits of various purebreds and crosses are being determined, and soon we shall be shown the ideal porker.

Again the College scored a number of successes at the Royal Show in connection with swine and dairy cattle. For Tamworths we obtained a champion boar and sow and a reserve champion sow. With the Berkshires we received a reserve champion boar. In dairy cattle Pride and Princess 44 both gained second prizes in their respective Jersey sections. Pride, the bull, was sold soon after the Show.

At the Stock Judging Competitions the College was even more successful than last year. R. L. Robertson, with thirteen points, came first for the second time in succession, and is to be congratulated on his success. D. B. Muirhead was second with seven points.

Some members of the Staff are eagerly looking forward to moving into their new comfortable quarters in the Staff building, which has been completed, but not fully furnished. It is favourably situated, overlooking the oval and tennis-courts.

The building of the two new hard tennis-courts is now in progress. Cement concrete has been used, and it is hoped that they will give lasting satisfaction, as they have been built on a firm foundation having twelve months' consolidation.

On the Farm two grain silos were constructed near the cow byres, and a saving in bags is anticipated. They are made out of corrugated galvanised iron, and resemble two great water-tanks. The oats to be stored in them will be carried up by an elevator driven by an engine.

A great improvement was effected when a mouse-proof storeroom for pure seed was constructed from a portion of the cow-byres, with a modern office opening on to the highway.

Reports concerning shearing this year are most satisfactory. A total of 1,070 sheep were shorn and the actual shearing-time was six days, giving an average of 176 head per day (probably a record). Another record was established in regard to the maximum number shorn in one day, this being done by the Third Years. It is also pleasing to report that the average quality of the work was superior to that of previous seasons.

Experimental work with sheep is progressing satisfactorily, and great interest is being taken in it. Last season a few sheep were rugged to test the efficiency of rugs in improving the fleeces of various types of sheep. The results were so promising that this season three hundred ewes, constituting half the breeding ewes, have been rugged.

After having fairly conclusively demonstrated the value of the various breeds of rams as sires of fat lambs the College is now concentrating on a trial to ascertain the value of various half-bred ewes as mothers for fat lambs. The half-breds are Dorset Horn-Merino, Border Leicester-Merino, Corriedale-Merino, and Romney Marsh-Merino.

A particularly successful year was experienced at Shows during the year. At the Royal Show the College gained a champion for a Southdown ewe, with two firsts, two seconds, and a fourth for Southdown ewes in their respective classes, and a first and a second for rams of same breeding. For rams and ewes suitable for producing export lambs, we received a second and a third prize, with a first and a second for two pens of fat lambs.

At the Mount Barker Show the College again scored with Southdowns, the awards including a champion for a ram and reserve champion for a ewe. At Strathalbyn all awards went to the College.

Matatua, our recently-imported Southdown ram, has had outstanding success, not only

in the showring, but also in producing stock of excellent type. Several stud rams have been sold, for there has been an even greater demand this year. A total net return from sales this year amounted to over 200 guineas.

Ensilage-making came soon after the commencement of the second session, starting in Flett's A. In this paddock the abundant self-sown crop of Burr Medic and wheat provided excellent material, being knee-deep in places. The sward was cut by a mower, transported by horse-sweeps, and hoisted up on to the stack by a grab, old Lion supplying the intermittent flow of energy. Two round stacks were made in this paddock, and first-quality ensilage should result.

During the slack part of the year an additional frame for a pole-guided stack was constructed alongside the present stack. In filling it, oats from Crouch's C and Burr Medic from No. 5, were stacked in alternate layers, an idea that should prove very successful. With this stack the material was raised by an elevator propelled by old Bluey, who occasionally showed signs of giddiness from plodding round the beaten track.

To complete the silage harvest the two cement tub silos were filled, having a capacity of about two hundred tons. The oats used was put through the ensilage-cutter and elevated to the top of the silos by the blower attached to the cutter.

The remainder of No. 15 vineyard has been planted with vines, the varieties being muscat, sherry, tokay, and mataro, covering an area of eight acres. Unfortunately, the conditions have been unfavourable for a good "take," the result being that the cuttings have made a better show than the rooted vines.

The older vines in this vineyard are undergoing a standard manurial trial, and this coming season will give the first tabulation of cropping. So far the weather conditions have been favourable.



MR. GOULTER'S BRILLIANT SECOND.

Another manurial experiment has been established in No. 16 vineyard, the manures being super-phosphate and super and stable manure together, with rows containing no manure as "checks." In preparing these rows for treatment the first operation was ploughing a single furrow, followed by sub-soiling to a depth of eighteen inches. The latter proved rather strenuous for the foot of the sub-soil plough gave way. In opening out the trenches a "burster" was drawn through, this implement resembling a single-furrow plough with a mouldboard on each side. The last two operations also had the effect of fracturing the vine-roots, thus inducing an enormous number of fibrous roots to develop along the trench, these being capable of absorbing the manure from their respective rows. This experiment should prove to be of practical importance.

A demonstration in vineyard cultivation was given by H. V. McKay Pty., Ltd., with some of their new implements. The weather was disappointing, but we are grateful for their generosity.

On the sandhill more young trees were planted, as well as a block of vines near the swimming-pool.

Pruning commenced in earnest as soon as we returned this year, and at present the fruit-trees are presenting a very shapely appearance, although the crop may not be heavy. About two-thirds of the crop vanished during the hailstorm, which also injured to some extent the stems of the vines.

Mr. E. C. Savage came back and began work as an Oenological Cadet in the laboratory. He has been working on yeast culture and just recently gained distinction by being the first to grow the "Mannitic" ferment on an artificially-prepared medium. He is also carrying out an experiment in connection with the manufacture of sherry, and the results of this should prove very useful.

Mr. R. C. Hay became the Cereal Cadet this year, but left us at shearing-time. He showed great interest in his work, both in the laboratory when working on glens, and in the experimental plots at seed-ing-time when attempting to frighten away birds with a kind of gun. We wish him good luck in the future.

On Sunday, 20th October, we were very fortunate to have the Premier (Mr. Butler) pay us a visit, and we were pleased to hear him speak very highly of the College, especi-

ally in regard to the experimental work carried on.

Numerous members of agricultural bureaux have visited the College during the year, and no doubt have gained much information on subjects concerning agriculture, especially fodder conservation.

Mr. Rosenblatt, from Concordia College, spent a week-end here, a week before our Annual Sports, and gave us an excellent demonstration in field games. Also, Mr. Brooks, from Roseworthy, gave us some useful advice on hurdling.

The Annual Sports were held during the third week in October, but unfortunately the day turned out to be dull and rainy. Our luck was out, as the weather during the previous few days was excellent. We congratulate Kain on winning the Cup, and Muirhead on being runner-up. A detailed account of the Sports is given in the Sporting Section. The Grand Ball that followed proved as successful as expected.

The Agricultural Colleges Intercollegiate Sports were held at Dookie College this year, and the trip was thoroughly enjoyed by all our members. Reports of the matches are to be found elsewhere in this issue.

At the beginning of the second session a



DAVE (after Bureau visit): "Gee! Dad, yer oughta see how the cows is looked after at Roseworthy; they even bed 'em down in the paddocks."

Students' Representative Council was formed at the suggestion of the Principal, with the idea of dealing with individual complaints and looking after the welfare of the students generally. The constitution of this body will be found elsewhere in this issue.

With deep regret we learned of the transfer of our previous Housemaster (Mr. Cowper) a few weeks prior to the winter vacation. He certainly took a keen interest in the social life and well-being of the students. The Senior Councilman, on behalf of the students, presented Mr. and Mrs. Cowper with a beautiful mantelpiece clock as a token of remembrance. We thank Mr. Cowper for his never-failing interest in our welfare, and wish them all luck in the future.

To fill this vacancy we now have Mr. Goulter as Housemaster and Lecturer in Book-keeping; he began his duties when we returned from our vacation. We extend to him and Mrs. Goulter a hearty welcome.

The Golf Club was well to the fore this year under the able direction of Mr. Bowden. A large amount of slag was purchased and spread over all the greens, which previously had been fenced off to prevent stock from depleting the greens of their luscious vegetation.

The swimming pool, as well, received no less attention, for decided improvements have been effected. The old "chute" was demolished, but was replaced by an up-to-date, all-metal, streamlined structure.

In keeping up with modern ideas of pig-raising, a number of new pig-paddocks for grazing purposes have been fenced off from the western end of the old irrigation plots. The fences are guaranteed to resist the most pig-headed of pigs, even though they may be well-fed.

Speaking of the College poultry we have been favoured by Mr. H. J. Robertson, who lent us a 270-egg incubator and an Etma sawdust brooder. Does this mean that the

students will enjoy even better eggs for breakfast, or will the consumption of chicken by members of the Staff be increased?

Every student and member of the Staff was moved with sorrow on hearing of the most unfortunate death of student Kemp, who passed away on the evening of 22nd June. Dick was held in the highest esteem by all, and the funeral was attended by the Principal and a large number of students. As a remembrance which is deeply appreciated, his parents left his wireless set in the corridor.

During the year the Principal has, according to his custom, invited groups of students to his home for social evenings and parties, which we appreciate very much. We must thank Dr. and Mrs. Callaghan for their kindness in this respect.

Just recently a thrilling episode was experienced by many students when they were called upon to assist in rounding up a Jersey bull. Although expert lassoing was lacking, the number of casualties was reduced to a minimum, due to the presence of mind of those concerned, and they finished up by "getting the bull by the horns."

After this "bull-baiting" we were entertained in the evening with a lecture by Dr. Ward on the subject of "Water Divining," or the practise of the art of water-prospecting. This much-debated subject is of importance to anyone taking up land, and Dr. Ward clearly demonstrated by facts and figures as well as by amusing satire the superiority of geological science over what is after all only a superstitious belief.

N. BURGE.

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Staff Notes.

That officers of our staff are continually seeking new realms to conquer is laudable, but it is generally with distinct regret that we make our adieux to departing members.

The last twelve months has witnessed the usual quota of changes, for early in the year Mr. Ross Nott, B.V.Sc., followed his star to Queensland, and later Mr. Cowper transferred

to the Engineering and Water Supply Department at Adelaide.

Mr. Nott had, of course, been with us only a short time, but his hearty laugh and good comradeship were sorely missed.

Mr. Cowper had rendered yeoman service during the eight years he occupied the position of Housemaster at the College, and his departure was regretted both by staff and students alike. The popularity of the Cowper family was shown in the large number of farewell functions accorded them, and in the presentations they received from staff, students, and local residents. We wish them every happiness and prosperity in the future.

Mr. W. Goulter was appointed as Housemaster in August, and to him and family we offer a cordial welcome. Educated at Crystal Brook Primary and Gladstone High Schools, Mr. Goulter entered the Engineering and Water Supply Department at Crystal Brook in 1920. Transferred to Port Lincoln in 1926, he was connected with the inauguration of the Tod River Water Scheme. He gained his A.F.I.A. in 1929, and was engaged at Port Lincoln until his present appointment. Mr. Goulter was a prominent light in the sporting and social world of Port Lincoln, being captain of the tennis team, vice-captain of a local football eighteen, and has collected many trophies and prizes in the athletic field. His prowess as a sprinter has certainly not been overrated, and we are already fostering hopes of victory in the Annual Staff versus Students' Tennis Match.

During the year Mr. B. Philp was promoted to the position of Secretary at the College. Mr. R. H. Jones (R.D.A.) was likewise promoted from the position of Cereal Cadet to Field Assistant. Mr. Evan Savage (R.D.A.) has been appointed as Oenology Cadet, thereby filling the vacancy created by Mr. Allen's departure to the Berri Distillery.

The year also saw the appointment and departure of Mr. Robert Hay (R.D.A.), who for a short while lent valuable brains and perhaps more valuable brawn to the Plant Breeding branch in the capacity of Cereal Cadet.

Apart from the major disturbances mentioned above, there have been a number of minor ones which might be commented upon. We are still at a loss to discover the whys and wherefores of some of them. For example, it appears that a germ of particular virulence has been lurking about in the wheat plots and claimed no less than two of the single members of the staff as

its victims. The symptoms are a temporary loss of memory and a far-away dreamy look, though some might call it asinine. The first attack coincided with a period when the Plant Breeder was seen making frequent visits to town, and the second with Show Week, when the Field Officer went away with a determined look in his eye and came back a changed character. However, since they have rejected our consolations, we congratulate them both, being assured that they have taken a step for the better.

The frenzied buying of luxurious limousines in the near past has also been the subject of some speculation. The reason is ascribed to fear of the "Hush-Hush" car, now under construction in a Gawler garage. It is felt that the purchasers of the above mentioned limousines have gone to considerable expense rather than face that ignominious defeat, which would have been theirs, had they met "Hush-Hush" on the road with their old models. But seriously; when will we see this much-discussed creation? The betting is 2 to 1 that it will be on the road before the new staff quarters are inhabited. Now that the furniture has been ordered the latter phenomenon should occur no later than Christmas, 1936.

A successful series of Staff versus Students matches and staff events in the various sports were organised in the past year. The students triumphed in Cricket and Tennis, but it is significant that the challenge from the students for the Annual Cricket Match, which they won only very narrowly last year, has not been re-issued. Congratulations to Mr. Williams on winning the double—the Staff Tennis Handicap and the Golf Championship. The handicapper of the former, who seems to think that he alone has a mortgage on the event, assures us that it won't happen again.

* * * *

Year Notes.

THIRD YEAR.

"Tally-ho, Tally-ho, there goes the little bounder"; as the cry echoes down the corridor, members of the Hunt Club, with jovial Squire Kain in the lead, dash madly in pursuit of the nocturnal crooner. A series of dull thuds are heard and:—

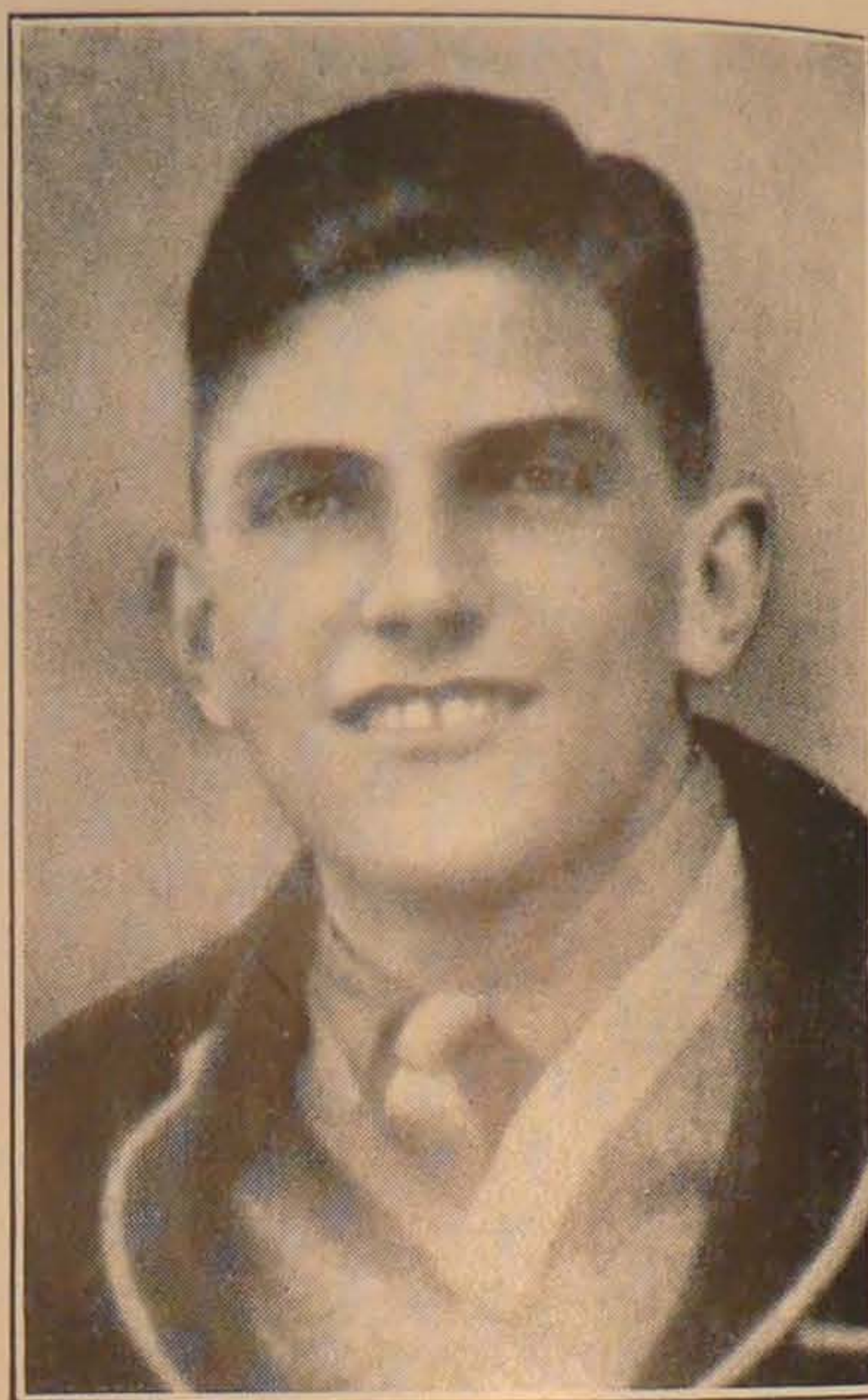
"He lay like a warrior taking his rest

With the Hunt Club gloating around him."

Steve has been looking very worried lately, so I asked what was troubling him. Sadly he

(Continued on Page 19.)

Obituary.



HOWARD RICHARD KEMP.

The sudden, tragic death during the first session of Howard Richard Kemp was a great shock to the whole College, and particularly to the Third Year, of which he was a member. After three years of close association the loss of a genial and unselfish friend is felt very keenly by those with whom he worked and played.

His life was one full of promise. Possessed of exceptional ability, he distinguished himself at Prince's, where he was made a Prefect, and at the College, where he was Dux of the First Year. He took a great interest in both lectures and outside work, as well as other College activities; he was a member of the Magazine, Golf, and Social Committees.

We would like to express our very deep sympathy to his parents and relatives in their sad bereavement.

(Continued from Page 18.)

made reply:—"Who was the fair tall man who cut the Third Years' lunch at Murray Bridge?" "It is really true that a sparrow eats six times its own weight in a day?" "What happens when an irresistible farm manager meets an immovable ———?" But here Steve was so moved that I couldn't hear the end of it, but I believe the answer is, "It all depends who sees the other first."

We intend to hold a Smoke Social shortly. Funds have been collected in a variety of ways, beginning with a sale of oddments varying from farm whatnots to a useful article of bedroom furniture kindly supplied by Mr. Egan. However, all sources of revenue now seem to have dried up, though we have heard sinister suggestions of a levy on show prize-winnings.

We've had some interesting Farm Classes lately, and Harold's caveman tactics with a young filly astounded everyone. Harold, how could you!

The reliable old firm of Ward & Roberts, Ltd., made a "roaring" success of the auction sale. Steve still tells us how the books balanced, to the last sock-suspender. A change in College policy caused a bad slump in Botany collections. However, Sim successfully convinced the First Years that no one could afford to be without a rubbish box.

You know, we're really rather modest and retiring little lads, but we simply must mention our smashing victory in the Athletics, and the way we swept the board in the Judging Competitions at the Show.

Congratulations to Kitch on winning the Athletics Cup and Longun on running him so

close. Congratulations also to R. L. on winning the Society's Gold Medal at the Show for the second time, and to Harold, Longun, and Gerry for winning competitions. There is no doubt that we are a perfect combination of brain and brawn.

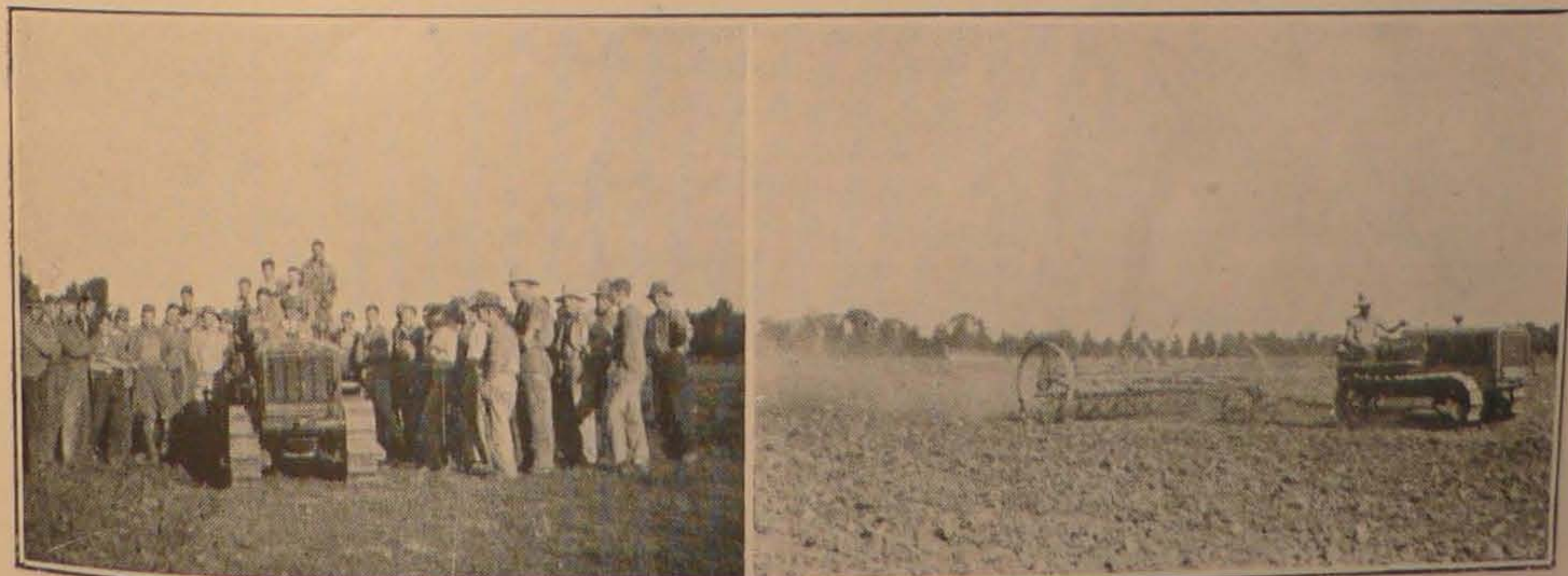
Our notes would be incomplete without a mention of the splendid way in which Mitta has carried out his work as Councilman. He works behind the scenes in a quiet way, and obtains excellent results, as can be seen by our portly figures and happy dispositions. We thank him. He is ably supported by the Deputy-Sheriff, who dispenses our dog-soap in masterly fashion.

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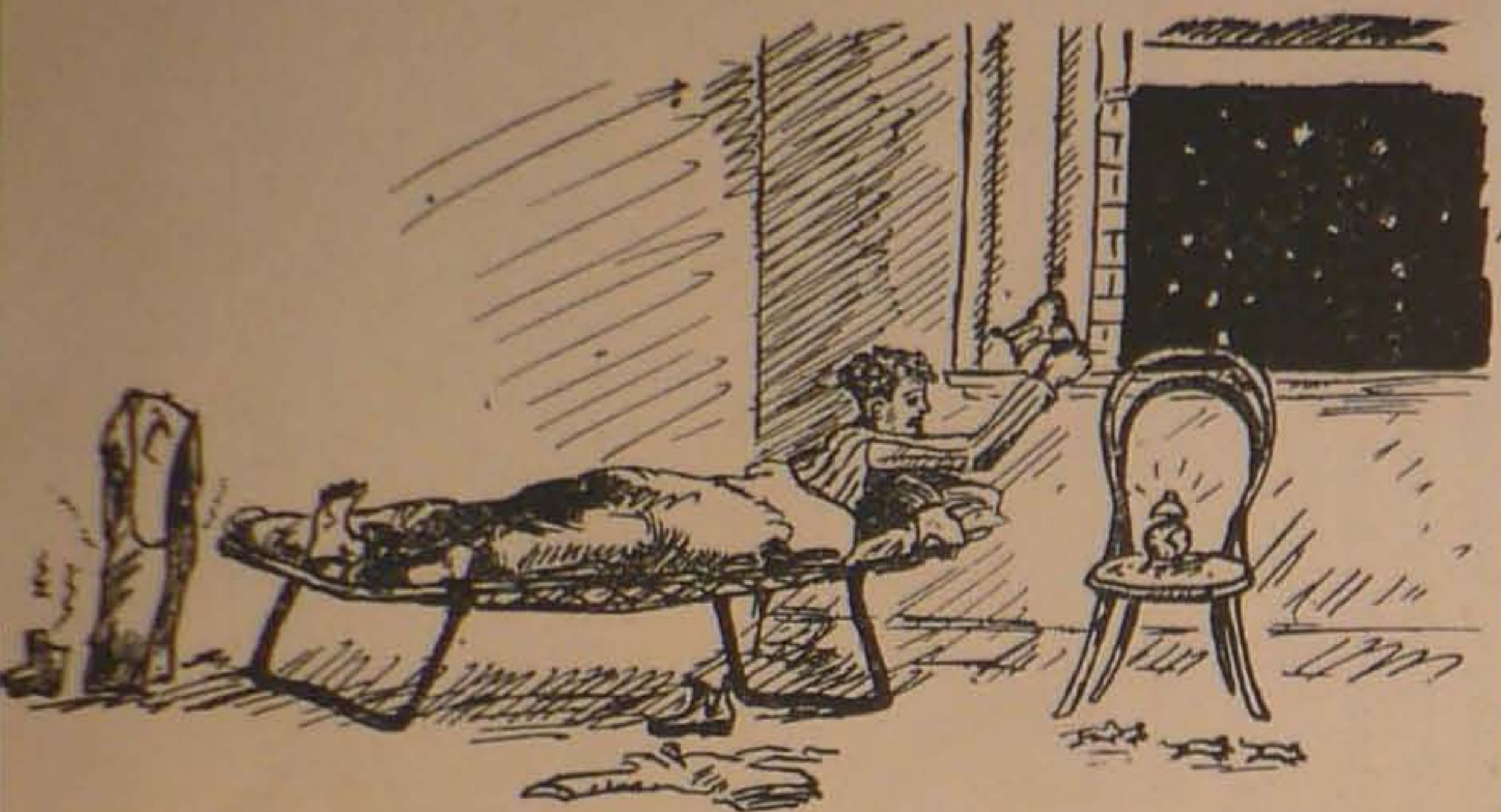
And now, the time is not far distant when the old College will say to herself, "One more year knocked into shape; one more flight of young agriculturists launched from the parent nest," and we will look back upon three very happy years, and realise how firmly the College has placed her mark on us.

She has taught us, above all, how to take a joke, how to enjoy life under varied circumstances, and how to sift essentials from non-essentials. If at times our attitude has seemed a little carefree, I think, nevertheless, that we have always understood the importance of maintaining a spirit of keenness and co-operation throughout the College, and of taking full advantage of the splendid training which the College offers to those who have eyes to see and ears to hear.

G. C. K.



THE NEW TRACTOR.

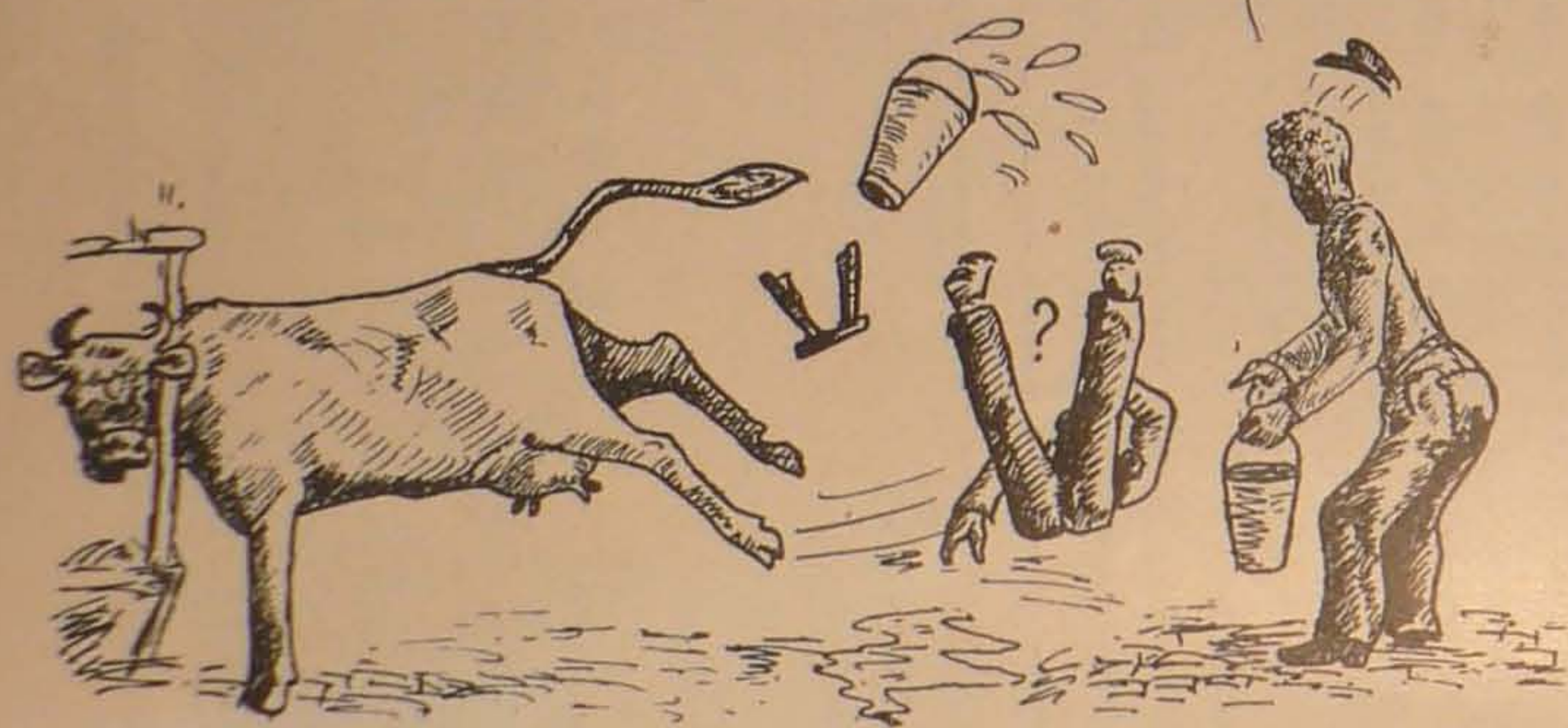


4:10 AM



PIG BUCKET

"I SAY, DON'T GO
MISTREATIN'
THAT 'COW."



Rollo T. Stephens - '35

"FEEDIN' THEM THERE BULHEFERS"

"WHY NOT BUY IT IN TINS?"

SECOND YEAR.

Since the last publication of the "Student" several of our year have left, but as Henry said before Agincourt, "The fewer men, the greater share of honour"—and dairy, we would regretfully add.

Sprod, Bail, Reid, and Laffer extended their March holidays indefinitely, while Martin, Bascomb, Inglis, and Bailey left during this year. Pinkerton has been on sick leave for several months, and has had everything from a poisoned foot to pleurisy. Bad luck, old man! We hope to see you back again soon and in the best of health again.

Our representatives on the Students' Council this year are E. B. McNeill and D. Mellor. We congratulate them on their election, and humbly ask them to bear in mind the old Roman maxim, "Nil desperandum qui mal y pense," or something like that, which means, in R.A.C. dialect, "Snap into it when you bring the mail round, and don't forget our soap, once a week."

It seems hardly necessary to mention our sporting ability, but for the benefit of interstate and overseas readers, we take up our trumpet and proceed to blow. At Dookie our year was well represented in the Rifles team by both McNeills—'Jim, the big one, and Haig,

the little one with the curly hair" and Woodroffe; Brandon, who won the College Championship and a Blue last year, and Shepherd, did well in the Tennis team.

In Cricket last season five players in the first team were from our year, and seven second years were in the Football team—Tummel's good play earning him a Blue.

H. McNeill and H. Orchard were prominent in the Swimming sports—winning Badges—while Afford and E. McNeill won a lot of points on Sports Day, besides working energetically on the Committee.

Speaking of Sports Day, the way in which the second years swept aside all opposition in the "Greasy Pig," will go down in College history as a classic example of speed, stamina, and brainwork.

Having justified our claim to the title of the premier games year (deafening applause from third years), whether it be on the oval, courts, rifle range, or even on the farm on work days, let us dwell on less serious matters.

For most of us, shearing began as a novelty, and finished as a backache—and what a backache!

It is with regret that we have to record that our leading shearer found it hard to make a decision, when asked if he was shearing or butchering.

There was a thrilling incident when Douglas, driving a plough team tried to ignore a telephone pole. The horses gave a good imitation of a maypole dance around the post, and seemed quite annoyed when they were finally untangled.

These posts should be removed, for, as Doug. said, peevishly, at the time, it's no easy thing to see them if you happen to be dozing at the time.

According to Tummel, a friend of his obtains good prices for his eggs by sending them to the Red Cross. Possibly they are used in the baking of red-hot cross buns.

In the last publication of the "Student" anyone interested may read on page twelve:—

"—— the dull thudding sound to be heard around the farm nowadays is merely first year loads of hay falling off."

At the time we took this calmly, but now another harvest has come, and, as with Cricket, it is the "glorious uncertainty"—that phrase so well loved of announcers—of loads that makes them so interesting, even third year loads.



FOUR CHAMPIONS.

FIRST YEAR.

We came into our new life looking forward to a happy year, and settled down into our new quarters quickly and contentedly. So far, our expectations have come well up to the mark. We started with twenty-five new students. Though we lacked in numbers compared with last year's First Year, we made up for this in weight; the honours in this respect being carried off by Chas. with fourteen stone. (This may have increased with good supplies of banana custard.)

We were sorry to lose Cox at the close of the first session, and since his departure the quietness of Room 5 is somewhat depressing.

The First Years have done quite well in sport this year. Football Badges were awarded to L. Diercks, N. S. Orr, and J. L. Stanley. Six First Years have been included in the A1 Cricket team, and six are represented in the A2 team. Thus, we are able to get a First Year team comprised of all players in A1 or A2 College teams. With this fact in mind, we hope to beat the other Years in the Inter-Year matches.

Our only representative for the Dookie trip was Brookman, but we have the satisfaction of knowing that he was the second highest scorer in the rifles.

In mentioning sport, I must not forget to say that the First Year team won the tug-o-war. Chas. and his upholstery certainly made a good anchor.

Another form of sport has been introduced for the benefit of certain First Year students. This is peanut racing. Sammy is apparently a finished expert, and has not only broken the existing records, but also a rubbish box in the attempt. Nige, however, lacking suitable anatomical construction, will never become an expert.

Could we not persuade certain of our number to give up the idea of reforming? If we cannot, we shall no longer have the pleasure of seeing a certain student climbing a chest of drawers to examine his visage in the mirror: besides, some rooms may not be free from moths on a hot night.

We are a year that prides itself on its common sense. We have passed our childhood days and have not as yet reached our second childhood—we are at least above chasing cats and letting them get the best of us.

In conclusion, we must congratulate Orr on the way in which he carried out his duties as

Councilman in the first session, not forgetting the equally capable services rendered by our present Councilmen, Diercks and Brookman.

R. F. S.

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Social Notes.

Our first social function—the so-called "Small" Dance—was held on the 7th of June. The attendance was not as large as last year, but this did not prevent it from being a most enjoyable evening. The dining hall was decorated with autumn-coloured lampshades and bowls of flowers on the stage and mantelpiece. The wireless room and entrance hall were done with floral decorations and autumn-coloured streamers.

The great event of the social year—the Annual Ball—was held on the 18th of October after the Sports. Although the weather did its best to frustrate our efforts to make the function successful, it went off very well indeed, in spite of the fact that it rained practically all the evening. The decorations were unique in their originality. The supper tables were beautifully decorated with bowls of pink flowers, and these, with the coloured candles, in brass candlesticks, and Chinese lanterns, completed a most effective scheme.

In the hall an Eastern effect was given. The doors were transformed into pagodas, whilst Chinese lanterns interlaced with strands of fern were hung around the walls. The same scheme was used in the dance hall, and, contrary to the usual custom, the claret cup was served in the wireless room, and this proved to be much better. As usual, a programme was adhered to until supper, and the titles of the dances were followed by the name of an appropriate tune, especially chosen, such as—"The Wine Cellars Waltz," "The Merry Widow," and "The College Slogan"—"Oceans of Time." The dance drew to a close all too soon, and now we are looking forward to the Swimming Dance, which takes place early in the New Year.

In conclusion, we should like to thank Dr. and Mrs. Callaghan for the active interest they have taken in our Social activities, and especially Mrs. Callaghan and her helpers for the splendid way in which they have assisted us by decorating the supper room and in supervising the supper, which has been greatly improved.

Finally, a message to Old Students. If you are attending a College Dance, will you kindly

inform the Housemaster of the name and address of your partner, and an invitation will be forwarded; a small donation on your part is expected.

D. B. M.,
Hon. Secretary.

* * * *

Old Students at the 'Varsity.

F. H. HOOPER.—Won a Residential Scholarship at St. Andrew's College, Mitcham. Is very enthusiastic, and, together with J. R. Goode, carried out an interesting experiment during the year on a number of cows and heifers from the Roseworthy herd, showing a correlation to exist between the fat content of blood and milk. Passed Third Year with a Credit in Botany II. Is at present working at the Waite Institute, but will transfer in January to Merbein Research Station to gain experience in soil survey work.

K. WOODROFFE.—Also at St. Andrew's with Scholarships won while at Roseworthy, including the Ridley Scholarship. Still very interested in cricket. Passed First Year in Physics I, Zoology I, and Botany I. Spending his holidays at the Waite Institute gaining valuable experience in plant breeding.

S. M. CLOSE.—At the Teachers' College. Played for the Teachers in the football match against Roseworthy, and also played in the Inter-collegiate Tennis for Adelaide. Passed Third Year examinations with Credits in Physical Chemistry and Geology I. Working at the Waite Institute till January, when he will accompany Hooper to Merbein Research Station.

J. R. GOODE.—Rowed for Adelaide in the Australian Universities' Boat Race in Melbourne. Passed Third Year with a Credit in Botany II. Gaining experience in Agronomy at the Waite Institute till January, when he will study pastoral work in the South-East.

A. W. M. GUNSON.—After attending First Year lectures in Adelaide last year, was awarded the Veterinary Scholarship, tenable at Sydney University, where he has spent the year; no details to hand to date.

* * * *

Third Year Educational Trips.

Our initiation into the world of trips took place towards the end of our second year, when, accompanied by Mr. Hickinbotham, we journeyed to town and visited the Adelaide Chemical and Fertiliser works at Birkenhead, where we saw the manufacture of Top Brand Super and

other products. In the afternoon we visited the West End Brewery, where we learnt the fate of the barley we will grow and the importance of good quality. Altogether, our first trip was a day of absorbing interest, and was deemed a perfect success. We began to look forward to the trips in store for us when we reached the Third Year.

Our second trip, a visit to the Murray Irrigation Areas, occurred in the March holidays. About a dozen members of the year made the trip, accompanied by the Principal, Mr. Williams, and some College "Scrano." We were met at Waikerie by a party of growers, who conducted us on a tour of inspection, which included a pumping plant, a sultana block, and an orange orchard and vineyard belonging to Mr. L. W. Andrew where we were shown an interesting way of getting rid of surplus water by means of a small well with a bore at the bottom, which had evidently penetrated an underground stream or porous layer, for the surplus water could be seen running away down the bore.

At Berri we visited a Co-operative packing shed, the Berri Distillery, and the Government Experimental Orchard. Here we were shown round by Mr. Fotheringham, and we still remember those Smyrna figs and Late Valencia oranges. The orchard is a most interesting place, and well repays a visit.

At Renmark we visited the Agricultural High School with two Old Boys, Messrs. Prider and Laffer in charge, then the properties of Messrs. Shoal and Price, where sultanas and currants were being dried on a large scale. Finally, we visited the Growers' Distillery, where another Old Student, Mr. C. Wiedenhofer, is in charge. When we turned our steps homewards we were all sorry to be leaving a district so new and interesting, and so entirely outside our ordinary range with its kindly and helpful growers, clean and prosperous towns, and splendid vineyards and orchards.

The first trip of our Third Year was on 15th May, when we visited the Abattoirs, and learnt just how badly we do kill our sheep. After leaving there we all felt it was very simple, and should only take us five minutes at the most. The Farmers' Union Butter Factory came next, and we were very impressed with the wonderful cleanliness of the factory. Some of us also found a great interest in eggs, and had to be almost dragged from the egg room.

On 27th May Mr. McKenna took us over to Two Wells to inspect some sheep which were infested with internal parasites. We obtained a

very good idea of the condition, and will be unable to mistake it when we see it again. We saw the treatment they were getting, and six weeks later we again went over and saw the excellent response.

The next two outings were pruning trips, the first to Williamstown for the pruning competitions where most of us were able to gain a certificate in some branch or other. "Gert" surprised us all with his efficiency, until we watched his methods more closely. The second was made at the expense of the College to Blackwood Experimental Orchard for our pruning examination. We will not go into this trip in any detail, as most of us think that the less said the better.

With the approach of the Show a trip was made to the properties of Messrs. W. J. and Howard Dawkins, of Gawler River. Mr. W. J. Dawkins's fine Clydesdales were first examined, and we gave our opinions of them. Mr. Dawkins then pointed out their merits and faults (although there weren't many) to us. We then looked over his Dorset Horn stud, and were astounded by their excellence. Again Mr. Dawkins pointed out what faults the animals had, and told us how he was trying to remedy them.

We then crossed the road and saw Mr. Howard Dawkins's Para Wirra Jerseys where their merits were again pointed out to us. Mr.

Dawkins also gave us his views on pig raising for profit, a side which we are unable to learn a great deal of at the College, and also his views on silage with the minimum of work. We would like to thank Messrs. Dawkins for the valuable help they have given us in the stock judging competitions at the Show by pointing out all the merits and faults of their stock.

After the Show our first trip was to Buckland Park, where Mr. Brookes showed us his Brookdale sheep and explained their merits. He has evolved them from a Romney Merino crossbred back to Merino and inbred for twenty years with the idea of getting rid of foot rot. We then drove round the property, and were very impressed by his pastures and lucerne, and also the novel way of irrigating them by damming back the Gawler River.

Towards the end of October we spent two days in the Murray Bridge and hills districts. Noske's Flour Mill and the Farmers' Union factory at Murray Bridge were the first places to be visited. At the factory we were shown the manufacture of condensed milk, cheese, butter, and casein. We were very impressed by the cheapness and convenience of collecting the milk supply by boat.

After partaking of a College lunch at Murray Bridge in which a certain chicken mysteriously disappeared, we went on to Wood's Point, where Mr. Bailey showed us his magnificent pastures and explained to us their management under irrigation and rotational grazing conditions. The intense stocking of the property astounded us. This visit was intensely interesting, as we had just completed our lectures in Agrostology.

Half of us then spent a very entertaining night at Murray Bridge while the rest went on to Mount Barker as the staff didn't want to get up too early.

Next morning we visited Mr. Stevenson's clover farm at Mount Barker. Mr. Stevenson explained the harvesting of clover seed and showed us a magnificent stand of clover which had been swept for seed for the last ten years, besides carrying over one cow per acre most of the year.

Foggit Jones' Rex factory at Littlehampton came next, and here we were shown the manufacture of bacon and smallgoods and given lunch, consisting of Rex frankfurts and cool drinks.

At Mr. Shillabeer's property at Oakbank we were conducted over some excellent stands of



ENSILAGE-MAKING—ROUND STACK.

sub-clover carrying scores of sheep, and still looking as if they hadn't been stocked for months. We examined the first case of foot rot most of us had seen.

After moving on to Tweedvale we were shown over the Oakaparinga Woollen Mills, where we saw the manufacture of woollen goods from the initial scouring to the finished article. This visit ended a very interesting and enjoyable two days.

The usual mid-northern trip was cut out this year, and instead we went on a two-day tour of the southern hills. On Mr. Jacob's property at Mount Compass we saw an excellent example of peat soil. The management of it was explained to us, and we were very surprised to see what it would grow.

Mr. C. E. Verco's property came next, and after examining his Lanaccona Jerseys we inspected his excellent clover pastures which had been put down in place of useless stunted scrub by the liberal use of superphosphate.

After dining on College super delicatessen we pushed on to join a field day at Mr. Tony Kidman's property. Here we again saw the marvellous transformation of useless scrub into beautiful clover pastures with the help of superphosphate and learnt Mr. Kidman's views on the establishment of such pastures from the virgin scrub and the cost of doing so, which is unbelievably low.

Next morning, after spending the night at Victor Harbour, we inspected Mr. E. A. Depledge's property a few miles out of Victor Harbour. The whole morning was spent walking over magnificent clover pastures and some that were a stage further ahead, having perennial rye sown with the clover, while Mr. Depledge explained to us how he had cleared the low scrub and established his pastures. The scrub which would only carry one sheep to ten acres is now replaced with pastures that carry four and five sheep to the acre all the year round, and when the clover reaches the stage where rye grass is necessary to balance the pasture they should carry more. Mr. Depledge, who has now been ten years on the property, told us all his experiences in the development of the land, which were intensely interesting.

More heavily wooded country was seen at Mr. Fuller's property in the Inman Valley. Mr. Fuller showed us his excellent stud of Corriedales (the only stud in South Australia), and we were very impressed by their general excel-

lence, but especially by the magnificent fleeces they were carrying. It was intended that we should look over Mr. Fuller's pastures, but as we were running late we had to push on to Mr. Nosworthy's property a little further along.

Here we had a long walk over pastures exactly similar to those we had already seen, but which had been established on a much heavier wooded type of country. The scrub in this case had to be cleared by hand instead of rolled, and Mr. Nosworthy told us his method of doing it. An interesting example of the value of super was seen here. A piece of scrub had been cleared for ten years, but not top dressed, and was no more valuable after the ten years of being cleared than it had been before it was cleared. Next to it some land had been cleared two years ago and top dressed, and there was a good stand of clover all over it.

The trip to the southern hills was the most interesting trip we have had so far, and I think most of us would like to see it all over again with a little more time to spare.

We still have hopes of a few more trips. One to the wool stores at Port Adelaide has been promised for some time, and several Oenology trips are eagerly awaited by a section of the Year.

In conclusion, we wish to express our appreciation to those kind gentlemen and firms who have gone to so much time and trouble to make our trips interesting and of greater educational value, who have allowed us to sample their wares, and especially to those ladies who have spent so much time and trouble in providing ever welcome afternoon teas. We take this opportunity of thanking you all for your kindness and hospitality.

R. L. R.



ENSILING IN POLE-GUIDED STACKS.

The Interstate Trip.

It was with a certain sense of satisfaction that we surveyed each other as we settled down for the night on the Melbourne express, one Saturday night, the 20th July. This was not due to the comforts provided by the Railways Commissioner, whose seats gradually got harder and harder; the climax was reached when the Victorian guard, who took over at 2 a.m., insisted on seeing our tickets, wakening us from a fitful slumber. And who could blame us for speeding him on his way with a string of mumbled exclamations about railway porters, their origin, and their future destiny.

We were whole-heartedly glad to be able to feel that our examinations were over, and that we had the honour to represent our College against the Interstate rivals.

Arriving at Melbourne on the Sunday morning, looking rather weary, we decided to hire

a couple of rooms at Carlyon's to serve as headquarters for the day, and soon nearly everybody had a hot bath in commission. After a pleasant day of sight-seeing, street-walking, or wherever the cosmopolitan tastes of our crowd led them, we embarked on the Sydney express, and were soon at Benalla, where we were met by motor cars and taken to Dookie.

Our first impression there was one of intense cold, which started from the toes upward, and we were glad to get to a warm nest that night. The next day we were kindly shown around the College by the Principal, Mr. Drevermann, and members of his staff. The College itself was well situated on the slope of a large hill, and was in keeping with that kind of Victorian architecture, namely, weatherboard construction, that is so unfamiliar to the average South Australian. They have about two thousand acres of arable land, which without exception is flat country and about double that area of hilly



INTERCOLLEGIATE TEAMS.

H. H. McNeill, H. V. Chamberlain, R. L. Robertson, D. Brookman, H. M. Woodroffe, E. B. McNeill,
L. S. Mann, R. Roberts, L. H. Brandon, R. W. Cowley, W. L. Shepherd.

pasture with stony outcrops, carrying about four thousand sheep on the place altogether.

Of greatest interest was the herd of Ayrshires which ranks among the best in Victoria, and the extent to which the poultry section had been developed was remarkable. Another interesting feature was a small plant for the extraction of olive oil.

The matches were held on Wednesday and Thursday, and ample opportunity for practice was provided beforehand. The results appear elsewhere in this issue, but we would like to congratulate Hawkesbury College on their well-deserved win in both the Rifles and the Tennis. All the visitors were favourably impressed with both the new type of hard Tennis court and the excellent Rifle range.

Owing to an unfortunate outbreak of influenza at the College, a dance which had been arranged had to be cancelled; but our hosts very successfully did all they could to make our stay there pleasant by providing a talkie show on one night and a sing-song on the last night, to say nothing of billiards and the individual efforts of the Dookie students themselves who regaled us with supper each evening.

On Thursday afternoon some of the visitors were taken to Shepparton and shown over the S.P.C. cannery, which I believe is the largest in the Southern Hemisphere. A very modern butter factory, which had just been rebuilt, looked very efficient and simple in operation, and was a credit to the town of Shepparton.

Whether it was fact or fancy, we cannot tell, but all the women folk in that town were either riding bicycles or pushing prams. And that was our last impression of Shepparton.

On the Friday we journeyed via Seymour to Melbourne, where after farewells our party broke up. We must express our sincere thanks to the Principal, staff and students of Dookie for the splendid way in which they entertained us, and to Mr. Baker for his constant attention to our well-being throughout the trip.

H. V. C.

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Light Horse Notes.

Since the report of activities published in the last issue of the College Magazine, many interesting and instructive Parades have been held.

Our Annual Camp took place on 4th to 11th March, inclusive, in the Gawler Drill Hall, a

fortnight earlier than the Brigade Camp at Salisbury, as that time was a little late and clashed with our long vacation.

Attendance from the R.A.C. Troop—No. 2, M.G. Section—was 100 per cent, and in camp also were several members of the Morphett Vale Troop, including Lt. Hunt, who very generously offered us a prize—but must have known something. We were again successful in the Lord Forster Cup elimination round, beating the 9th by 96 points and last year's winners score by 11 points. Unfortunately, we were ruled out of the finals because we did not attend the Brigade Camp; however, we are not discouraged, and will win it yet.

The weather was very hot during the Camp, and though Tpr. Hackett enjoyed a novel with his nether parts submerged in a tub of cold water, somebody else thought otherwise, and really he did look sweet tip-toeing through the prickly-jacks back from the horse-trough. We should also like to remind Cpl. Mitchell that it is a long way from the saddle to the ground when the latter rushes to meet you unexpectedly. Also Tpr. H. Orchard should not try to race the train on horseback, and Tpr. Cotton is to be congratulated on the precise and dignified manner in which he drilled himself.

At this juncture we offer many thanks to the Gawler Rifle Club for the use of the Club's hut in which we prepared meals when on the range. The meals, by the way, were prepared very ably by Cdts. Brandon and Woodroffe, and we now repent all those little thoughts, words, and deeds, indicating our lack of respect for the rating of one so high as Camp's Cook. The Camp was concluded with the week-end at Turretfield Government Farm, where we were put through Revolver practice, Rifle and M.G. Drill, and indirect target practice.

The first April Parade was held on Anzac Day with again a full attendance taking part in the procession and service at the Cross of Sacrifice—a very impressive occasion. Previous to the procession we presented W.O. Kenny with a mounted photo of the Troop, and he reciprocated by giving each of us a photo of himself; we again extend our thanks and best wishes.

May 5th to 6th was one of the best Parades, when W.O. Moylen instructed us in Equitation, including P.T. on horseback, rescue race, tent pegging with the sword—be careful Lance-Cpl. Hay—jumping and Lord Forster Cup practice.

On 2nd June several members attended the M.G. matches at Port Adelaide, and it was there that Tpr. Cotton made his fortune, and also lost it that night. The 18/23rd Rifle Club shoot was held, 29th June, on the Gawler Range, and three of the six who went in from R.A.C. Troop gained prizes.

The July Parade, held on the 7th, was welcomed with open hands and broad smiles, when pay, slacks, and caps were issued.

The Rifle course was held on the College Range on 31st August, when some unexpected scores won prizes. Cpl. Mitchell gained the aggregate. On this day Sgt. Gurner, Cpl. Jones, and Tprs. Savage and Cotton gained a place in the M.G. Section Shoot, and also a lot of practice; however, all gained prizes. Tpr. Savage, however, had too many (W)right misses to get a good score.

The latest Parade was at Gawler and Turretfield on the week-end 2-3-4th November, when

an exceptionally good shoot was experienced, when nine out of fifteen gained badges as First Class Machine Gunners, and later all passed the Revolver Course—Tom Mix included.

Among those that have left during the year are included:—Lance-Cpl. Hay, "Departed, but not gone," Lance-Cpl. Newland, still seen occasionally, Tpr. Sutherland, up North, Chaffey back in Victoria, Green in Sydney, Jacobs and Pollitt still making a name for himself; also Tprs. Close and Goode, and we would here suggest that the former had better keep a tight hold on his kit bag. Cdt. Bailey also is keeping the flag flying up yonder. We are, however, very fortunate in being able to keep Cpl. Jones and Tpr. Savage, who, on good authority, is the best rifle shot in the Regiment. In the future we look forward to a continuance of the present even tenor, and are looking for a few keen and enthusiastic young fellows to swell the ranks.

"B" Boy.

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Contributions.

EXTORTION.

Said to the First Years one day,
A Third Year in truculent way,
"Now, let your pens wag,
That page in the Mag.,
It must be filled up by today.
If results are poor,
You all will be sure
The mud in the duck-pond to bite."
So, that is the reason
This lyric in season,
Tonight, I endeavour to write.

W. G. S.

* * * *

MORTIFICATION.

"By golly!" I said, "I am going to bed.
It's Sunday tomorrow, by jove!
I'll do nothing all day—just wander away
In paddocks with some other cove."

With the alarm set for eight, so I wouldn't be late,

I was ready to get into bed.

Then I suddenly stopped, and my gay spirits dropped,

"You're on Dairy, tomorrow," they said.

D. S. M.

THE OTHER, THIS AND THAT.

Man eating tiger at C———. Newspaper heading.

Personally, I should prefer a little Roseworthy lamb.

In a puzzle concerning men and a draught-board it is required to place them so that "no two are upon the same line in any direction, either vertically, horizontally, or diagonally."

This sounds like first years putting up stooks of hay.

Speaking of song titles, which we were not—the following insanities refer to them:—

"Somewhere a voice is calling."—"Dairy, Mr. Baker."

"Many brave hearts are asleep in the deep."—Sent out to pull turnips?

"The Last Round Up." May refer to the third trip that a certain Second Year made for the cows one morning. Oh, Jack!

And finally, it is feared that many students merely go "tip-toe thro' the (cape) tulips," instead of grubbing them out.

A. J. K. W.

GENETICALLY SPEAKING.

They say
That cows produce their milk from hay,
And pack it full of vitamins and things,
This brings
To mind a hint I'd give
To those who live
By meddling with the natural ways of things.

I mean
That when a woollie's fleece is seen
To be too coarse or fine or full of yolk,
The bloke,
Who does these things, just tries
Genetic-wise,
And shortly you will find that it is oke.

But struth!
You'd think that such a brilliant youth
Would know old Brindle's calf should not pro-
duce
Such juice.
And Craven A's don't grow
On shrubs. You know—
These coots don't put their brains to any use.

Anon.

* * * *

IT'S A GREAT LIFE.

Welcome, welcome, holidays!
Glad we are to see,
For a week or fortnight
That we will be free.

Tired we are of dairy,
Tired of stables, too,
Sweeping, sweeping, sweeping,
Nothing else to do.

Tired of roaring dust storms
In the broiling heat;
Tired of making silage
For the cows to eat.

Drop all thoughts of number four,
And the long hand rows:
No more walking all day
Wielding heavy hoes.

Think no more of stooking
Out in Crouch's A—
Labouring with pitch forks,
Stacking meadow hay.

Think instead of races,
Picture shows, and cars,
Moonlight trips with someone,
Counting up the stars.

Let the boys from Gawler
Rise each morn at four,
Doing what each student
Hopes to do no more.

So, welcome, timely holidays!
We'd like to see you stay
Forever, so that we
Could always be away.

"One Who Knows."



PURE SEED DRILL STRIPS.

The Frankeleyn's Tale.

AGRICULTURE IN GERMANY.

When I left Australia in 1932 agriculture was in a very bad way. On my arrival in Germany, I found conditions there at least as bad, if not worse. The industrial boom, which had culminated in the big bank crash, coupled with the low prices for agricultural products, had caused great numbers of people from the land to migrate to the industrial areas. The holdings of the peasants, as well as the larger agricultural holdings, were in many, if not most cases, heavily in debt, and the creditors (for the greater part financiers) were forcing the owners either to vacate their property or to run their property very one-sided, without any consideration of the national needs. A cloud of pessimism hung over the whole of agriculture, which only seemed to intensify the plight of the country.

National Socialism, the German form of Fascism, regards the peasant as the very life-blood of the nation, and for that reason considers it the first duty of the Government to encourage the people to stay on the land. With the advent of Hitler to power, therefore, radical changes to improve the position of the peasant, and thereby agriculture generally, were made.

The recognition of the "Agricultural Aristocracy" (ancestors, national dress, etc.) was again given its full national significance. The forced sale of peasants holdings was forbidden; no subdivision or sale of land permitted, without consent of the central authority; haphazard loans disallowed, and the prices of agricultural products fixed within certain limits.

This enabled the peasants to work in peace again, so that, after a comparatively short time, a spirit of optimism had replaced that of pessimism.

A further innovation of far-reaching effect was the "Inheritance Law" (Reichserbhofgesetz), by which only one member of the family can inherit the holding. The same law also places a minimum and maximum limit in area upon the holding. But, this law, while protecting the peasant, also requires him to adopt the best farming methods. Failure to satisfy in this respect, after a warning, may result in the holding passing to his heir.

The Ministry of Agriculture is sparing no efforts to assist the peasant. It employs experts for all branches of agriculture: men who

are also good practical agriculturists (all University graduates must have had two years of practical experience on approved farms). The importation of foreign foodstuffs (concentrates, etc.) has, for the greater part, been forbidden, or subjected to a heavy duty. German experts contend that it is much more economical to produce all the necessary foodstuffs on the place, and, by judicious feeding, obtain the maximum results possible, under those conditions. The difficulty is, of course, to obtain sufficient proteins. To overcome this, ensiling as well as converting into hay, of such fodders as clover and lucerne is advocated, and is being done very successfully. But more important is the breeding of new plants rich in protein, or their adaptation to environment. Thus, the sweet lupin (non-alkaloid) which, when inoculated, produces prodigious growth on poor sandy soils, was produced by testing the seed of 1.5 million plants. Experiments with soy beans, completed last year (the first of a series), indicate the probability of this richest of all protein plants adapting itself to German conditions.

Under the old regime, the State grant to all the experimental farms in Germany had been reduced to a minimum. National Socialism immediately made money available for intense agricultural research, and the results of the intensified efforts even in the first year alone (1934) more than justified this policy.

Agricultural education in Germany is carried on in schools as well as Universities. The object of the schools is to advance the knowledge of the sons and daughters of peasants who have completed their primary schooling. Both boys and girls are instructed in all branches of science, and, in addition, the boys are instructed in crops, animal husbandry, farm, sheep, etc., while the girls do domestic arts, gardening, care of fowls, etc.

The University course, up to the diploma, consists of two years of practical work on an approved farm, and three years theory, half of which time is devoted almost entirely to the general sciences. It is by no means unusual to find University graduates managers of properties, and often only such men are considered capable of filling the position.

It would be giving a one-sided view of German agriculture to omit the part played in it by the women, who take a very active part in

the practical side of agriculture, "behind the news," as it were. Throughout the year it is they who maintain the home and see to the personal welfare of the men, and, although rarely mentioned, their influence in this respect cannot be over-estimated.

W. E. Meier, Ph.D.

* * * *

IN OTHER LANDS.

During an extremely pleasant holiday, I have been fortunate enough to have seen something of farming conditions not only in England, but also in Denmark, the Channel Islands, and to a limited extent in Germany, Switzerland, France, and Holland.

I left London immediately after the Jubilee in May, and thirty-two hours later arrived in Copenhagen. It was an uneventful journey, excepting that at Esjberg I had to sprint after a train, leaving a perfectly good unconsumed meal on the railway restaurant table.

The Danish Consul in London gave me letters of introduction to several farmers and factory managers. The farms may be divided roughly into three classes:—

(i) The large farm of over 100 acres, and of which there are very few.

(ii) The medium farm, which predominates, and is from 20-100 acres in extent.

(iii) The small farm of under 20 acres, and here it is usually found that a great deal of intensive fruit and vegetable growing is carried on.

The best large farm that I saw, other than a State Farm, was Kolle Kolle, run by a Breeders' Association. Pure Red Danish cattle are kept, but, unfortunately, they have a great deal of trouble with tuberculosis. The herd has been divided into reactors and clean cattle, and these are kept entirely separate. Slaughter is impracticable, as no compensation is paid, and all milk for Copenhagen has to be certified T.B.—free.

I saw a medium sized farm owned by a Mr. Petersen at Vaerloese. He had twenty-two hectares, or approximately fifty-five acres, and on this land he kept thirteen Red Danish cattle, four bacon pigs, Large White x Landrace, and about 100 fowls, ducks, and geese, besides having a vegetable and fruit garden. The house and farm were crowded together in the centre of

the property, and he worked on a rotation of wheat, mangolds, barley, pasture, and oats. If at any time the market was favourable, he would put in a few potatoes or a little extra pasture.

He explained that Denmark had found it more profitable to grow roughage on the farm and to import concentrates such as oil cake. He was a great believer in ensilage, and was at that time feeding his cattle with fifteen kilos silage, ten kilos mangolds, and one kilo oil cake, but, as a whole, I found them very secretive about their feeding methods.

I saw a small farm owned by Mr. Lindstrons at Otterup on the Island of Fyn. He had four hectares, and lived in a house built at a right angle. The first wing was his home and the second housed his stock, including first, 120 laying hens, next was a cow shed, then a stable, and finally a pigsty for sixteen cross-bred baconers.

The whole property was most intensely cultivated, the house being surrounded by vegetables and fruit trees. At the back was his arable land, where he grew wheat, oats, barley, and mangolds, all of which were used as fodder. On a small plot of grass in one corner were tethered his two horses and six milking cows. As he could speak no English at all, I could gather very little of his methods. As a general rule the Danes are good linguists. Nearly all speak German, mainly, I believe, on account of trade with that country, but now many are learning English.

One who amazed me most was a little girl of six who could prattle English like a native. Her father, Mr. Jens Madsen, kept a poultry farm at Eistreggaard, Svendbourg. It was a very up-to-date place, and he had an interesting idea of placing wire netting about eight inches above one-third of the floor, so that the birds would not foul themselves. In Denmark it is forbidden to wash an egg, and the eggs are laid in clean nests. Wood shavings were placed in the nests, and fine sand on the floor and dropping-boards.

In connection with this I saw the Co-operative Fowl Slaughtery for Fyn. The Island of Fyn is divided into six districts, and members phone in advance the number of fowls that they have for slaughter. Motor lorries visit each district once a week, and it is not until the fowl is dressed, weighed, and graded that the price for the farmer is computed.

Unfortunately, I did not see any farms in Jylland, but the land is far sandier, and is not so suited to intensive agriculture. I was able to travel to Holstebro' on my way back to Esjberg, and so saw something of the country.

In England I found that many of the larger farms were purely for show. Many, though, were run on very scientific lines. Within about thirty miles of London a very large retail trade was carried on, while further out many men were more interested in beef stock.

I was privileged to be shown over the Royal Stud at Windsor. His Majesty keeps his main beef cattle studs here, but he has also Jerseys and milking Shorthorns. I saw an old dairy of Queen Victoria's time which was lined with tiles, and was full of porcelain setting bowls. It is still kept for the sake of old associations.

Farming in Scotland was mainly concerned with sheep, and it was a wonderful sight to see the shepherds on the hillsides mustering their flocks for shearing. The whole of the Border Country was dotted with round sheepfolds built of loose stones. These, I understood, were used in snowy weather.

My visit to the Channel Islands was very hurried, and, unfortunately, I had to go at the height of the tourist season. In Guernsey I first saw some of the coast scenery which is magnificent with sheer cliffs of 250 feet dipping down to a limpid blue water which is as clear as a crystal.

The farmers are concerned mainly in potato growing, tomatoes and flower bulbs for the London market. One man has as many as forty miles of glass houses. The cattle, although practically a secondary consideration, are a very cherished possession, and the greatest pride is taken in their purity and conformation. Land is very expensive, and in places is worth as much as £700 per acre to purchase and £25 per annum to rent.

I spent one day in Sark, which has the smallest harbour in the world, and steamers can only get in at high tide. At spring tides the rise and fall is as much as forty feet. No motor cars or engines of any description are allowed on this island, and the only transport is by the time-honoured horse.

I saw many stud farms in Jersey, and was most impressed by that of Mr. Richards. The whole of his milking herd, his feed room, his bulls and calves were housed in one long stone

building. Immediately in front was his dairy, where he separated and also made butter and cheese regularly.

There were many excellent cattle to be seen, and all of them were tethered in the fields. Here, as in Guernsey, the main interest was in market gardening, and many thousands of tomato plants were to be seen on the hill-sides. I was told that they were practically untroubled by frost on account of the warm Gulf Stream.

On leaving England I crossed Holland into Germany, and so travelled by boat up the Rhine to Mainz. We passed all the interesting old castles, and saw the two banks literally smothered in vines, which were grown on a single stake. Many of the steeper parts were terraced.

At Radolphzell the vines were planted about fifteen inches apart, and here we sampled some of the local products. It was a sweet Malaga sold in a locally made earthenware bottle which was shaped to represent a bunch of grapes wrapped in a vine leaf and was excellent.

In Switzerland they were harvesting, and all the hay was cut with a scythe. The women folk followed behind and spread it out to dry. After a few days the dried hay would be raked into great bundles about six feet by four feet, and this the farmer would cheerfully put on his back and carry down the hill to his home. Surely, in these hard times, this must be the ideal of economical farming.

P. C. Angove.

* * * *

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 Brown and Gold, Concordia, Kadina Memorial High School Magazine.

Sport.

COLOURS AWARDED.

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

Season 1934-35.

Football—

Badges: O'Neil, Goode, Close, Bascomb, Wheaton, Tummel, Martin, H. McNeill.

Athletics—

Badges: E. McNeill, Muirhead.

Cricket—

Badges: Bascomb, Smith, Wheaton, O'Neil, Martin, Tummel, Geddes.

Tennis—

Blues: Brandon, Roberts.

Badges: Shepherd, Baker.

Rifles—

Badges: Follitt, H. McNeill, Chamberlain, Barbary, Woodroffe.

Swimming—

Badges: H. McNeill, H. Orchard, Muirhead.

Season 1935-36.

Football—

Blues: Roberts, Tummel, Gilchrist.

Badges: Muirhead, Kay, Smith, Beare, Brandon, Orr, Diercks, Stanley.

L. S. MANN,

Secretary, Sports Union.

* * * *

ANNUAL ATHLETIC SPORTS.

In common with other branches of sport, very real interest and enthusiasm was shown in Athletics this year. Training started earlier than usual, even with those cheery optimists whose training usually takes the form of a brisk run the night before the sports, followed by a strenuous hot bath and rubbing-down treatment. Far more attention has been paid to matters of style, timing, starting practice, and so on, than is usually the case. In this connection, we would like to thank Mr. Goulter, our new Housemaster, for the time he devoted to training with us, starting us, and trying to prevent us from beating the gun, which used to be the aim of most of our sprinters.

We were very fortunate in receiving a visit from Mr. Rosenblatt, of Concordia College, on the week-end before the sports. He instructed us in a wide range of sports, and particularly impressed us with the science of weight-putting

and discus throwing. Mr. Brooks, of Roseworthy, came out shortly before the sports and opened our eyes to the correct method of hurdling. We would like to thank both these gentlemen for their kindness.

Some important changes were made in the Championship Cup rules, and several new events were added this year. It was decided that any competitor who was placed in a Cup Event should take the points, thus doing away with the old rule of nominating for the Cup. Sheaf-tossing, the Pole Vault, and the Half-mile were included in the Cup events. Shortly before the sports, which were held on Friday, 18th October, the Broad Jump Pit and Weight Putt ring were moved on to the oval, and the new sheaf-tossing poles erected.

The day itself was somewhat marred by continuous rain, but, in spite of this, some good performances were registered. Competition for the Cup was very keen, with the issue in doubt till the last moment. K. K. Kain won by a margin of two points from D. B. Muirhead. The fact that during the progress of the sports six men had a good chance of winning the Cup served to show the improvement effected by the new Cup rules.

Kain's performance was excellent. He just dislodged the bar at 5 ft. 8 in. in the High Jump, from a greasy take-off, in an attempt to break the record. He won the Broad Jump, came second in the Weight Putt with a 32-foot putt, and broke the Pole Vault record with 8 ft. 4 in.

D. B. Muirhead won the Weight Putt with 34 ft. 6 in., won the Hurdles in good style on a wet track, and was placed second in the High Jump and Broad Jump.

G. C. Kay succeeded in breaking the 440 Yards record in 55 3-5 sec., and gaining the new Half-mile record in 2 min. 7 4-5 sec.

H. P. Afford, M. Heysen, and E. B. McNeill also put up good performances, the former winning the 100 Yards in 10 3-5 sec., as well as the 220 Yards and Open Sheaf-toss.

The Year Shield was won by the Third Year by a large margin, the Second Years being second.

At the conclusion of the sports Mrs. Callaghan presented the prizes. We take this opportunity



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of thanking her, and also those gentlemen and firms who so very generously donated towards the prize list.

Results:—

Sheaf-tossing (8 lb. sheaf) Handicap.—Robertson (10 ft.), 1; Afford (9 ft.), 2; Donohue (11 ft.), 3. Height, 28 ft.

Stepping the Distance.—Tummel, 1; Hackett, 2.

Throwing the Cricket Ball.—E. B. McNeill, 1; Kain, 2; Roberts, 3. Distance, 93 yards.

Golfers' Long Drive (Handicap).—Sanders (25 yds.), 1; Kay (30 yds.), 2; Mann (14 yds.), 3. Distance, 233 Yards.

Hop, Step, and Jump (Handicap).—Orchard, E. (9 ft.), 1; Perry (13 ft.), 2; Brandon (8 ft.), 3. Distance, 37 ft. 1 in.

First Year, 100 Yards Handicap.—Wilson, 1; Heysen, 2; Orr, 3.

Second Year, 100 Yards Handicap.—Smith, 1; Bussell, 2; Arnold, 3.

Third Year, 100 Yards Handicap.—Mann, 1; Muirhead, 2; Roberts, 3.

220 Yards Handicap.—Mann, 1; Bussell, 2; Muirhead, 3.

120 Yards Handicap Hurdles.—Heysen, 1; Kain, 2; Gilchrist, 3.

Putting the Weight (Cup Event).—Muirhead, 1; Kain, 2; Seppelt, 3. Distance, 34 ft. 6 in.

100 Yards Championship (Cup Event).—Afford, 1; Heysen, 2; E. McNeill, 3. Time, 10 3-5 sec.

Sheaf-tossing (Cup Event).—Afford, 1; Heysen, 2; Seppelt, 3. Height, 31 ft.

120 Yards Hurdles (Cup Event).—Muirhead, 1; Heysen, 2; E. McNeill, 3. Time, 17 sec.

Broad Jump (Cup Event).—Kain, 1; Muirhead, 2; E. McNeill, 3. Distance, 18 ft. 10 in.

880 Yards (Cup Event).—Kay, 1; O'Neil, 2; E. McNeill, 3. Time, 2 min. 7 4-5 sec. (record).

Discus Throw.—Orr, 1; Roberts, 2; Muirhead, 3. Distance, 86 ft. 11 in.

220 Yards (Cup Event).—Afford, 1; Heysen, 2; Mann, 3. Time, 25 sec.

High Jump (Cup Event).—Kain, 1; Muirhead, 2; Heysen, 3. Height, 5 ft. 5½ in.

440 Yards (Cup Event).—Kay, 1; McNeill, E., 2; Heysen, 3. Time, 55 3-5 sec. (record).

Staff and Old Students' Race.—Mr. Jones, 1; Mr. Goulter, 2.

Pole Vault (Cup Event).—Kain, 1; McNeill, E., 2; Roberts, 3. Height, 8 ft. 4¼ in. (record). Greasy Pig.—Afford.

One Mile (Cup Event).—Kay, 1; O'Neil, 2; E. McNeill, 3. Time, 5 min. 1 4-5 sec.

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

Inter-Year, Tug-of-War.—First Year, 1; Second Year, 2; Third Year, 3.

INTER-YEAR SHIELD EVENTS.

	1st Yr.	2nd Yr.	3rd Yr.
Long Jump	—	1	8
Putting the Weight	1	—	8
100 Yards	3	6	—
120 Yards Hurdles	3	1	5
220 Yards	3	5	1
High Jump	1	—	8
440 Yards	1	3	5
One Mile	—	1	8
Sheaf-tossing	4	5	—
Pole Vault	—	1	8
880 Yards	—	1	8
Relay Race	3	5	1
Tug-of-War	5	3	1
Totals	24	32	61

CHAMPIONSHIP CUP.

	Broad Jump	Putting Weight	100 Yards	120 Yards Hurdles	440 Yards	High Jump	220 Yards	Mile	880 Yards	Pole Vault	Sheaf-toss	Total
D. B. Muirhead	3	5	—	5	—	3	—	—	—	—	—	16
K. K. Kain	5	3	—	—	—	5	—	—	—	5	—	18
H. D. Afford	—	—	5	—	—	—	5	—	—	—	—	15
M. Heysen	—	—	3	3	1	1	3	—	—	—	—	14
E. McNeill	1	—	1	1	3	—	—	1	1	3	—	11
G. C. Kay	—	—	—	—	5	—	—	5	5	—	—	15
M. J. O'Neil	—	—	—	—	—	—	—	3	3	—	—	6

1935 Cup Winner—K. K. Kain.
G. C. K.

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CRICKET NOTES, 1935.

A great amount of interest was taken in Cricket last year, and no difficulty was experienced in entering two teams in the Gawler Association. Through lack of confidence on the part of most batsmen, and a weakness in the bowling department of the side, the A1 team did not have a very successful year, even though it was a most enjoyable one. This year, with the advent of new-comers to the College, the bowling should be considerably strengthened. N. S. Orr has already proved his worth as a fast bowler, and his efforts should put new heart into the College attack. The First Years have also supplied us with a number of very promising batsmen, so that taken all in all, a marked improvement should be noticed in the team this year.

J. W. Gilchrist is to be congratulated on having been elected Captain of the A1 team for the present season, with B. C. Wesley Smith as Vice-Captain. These two, with the addition of L. Diercks form the Selection Committee, J. LeH.

Tummel, and B. C. Wesley Smith were elected Joint Secretaries.

G. S. Jenkins was elected Captain of the A2 team, and Mr. A. R. Hickinbotham Vice, with A. J. K. Walker as Secretary.

ASSOCIATION MATCHES.

1934-35 Season.

COLLEGE v. CO-OPS.

Co-ops. won the toss, and elected to bat. It was soon evident that the College were in for a long day in the field, and when at the lunch interval the score was none for 103, it looked very unlikely that the College would be able to dismiss the opposing batsmen before stumps. At the end of the day's play the score was 9 for 295, at which stage the innings was declared closed.

The College replied with 172, thus leaving a first innings win for Co-ops. by 123 runs.

Best scores for the College were:—J. Bascomb, 57; M. O'Neil, 31 not out; and J. Mar-



A1 CRICKET TEAM.

J. W. Magarey, L. D. Diercks, W. F. Sanders, C. K. Harvey, N. S. Orr,
J. LeH. Tummel, J. M. O'Neil, J. W. Gilchrist (Captain), B. C. W. Smith (Vice-Captain),
J. T. L. Stanley, W. G. Snodgrass.

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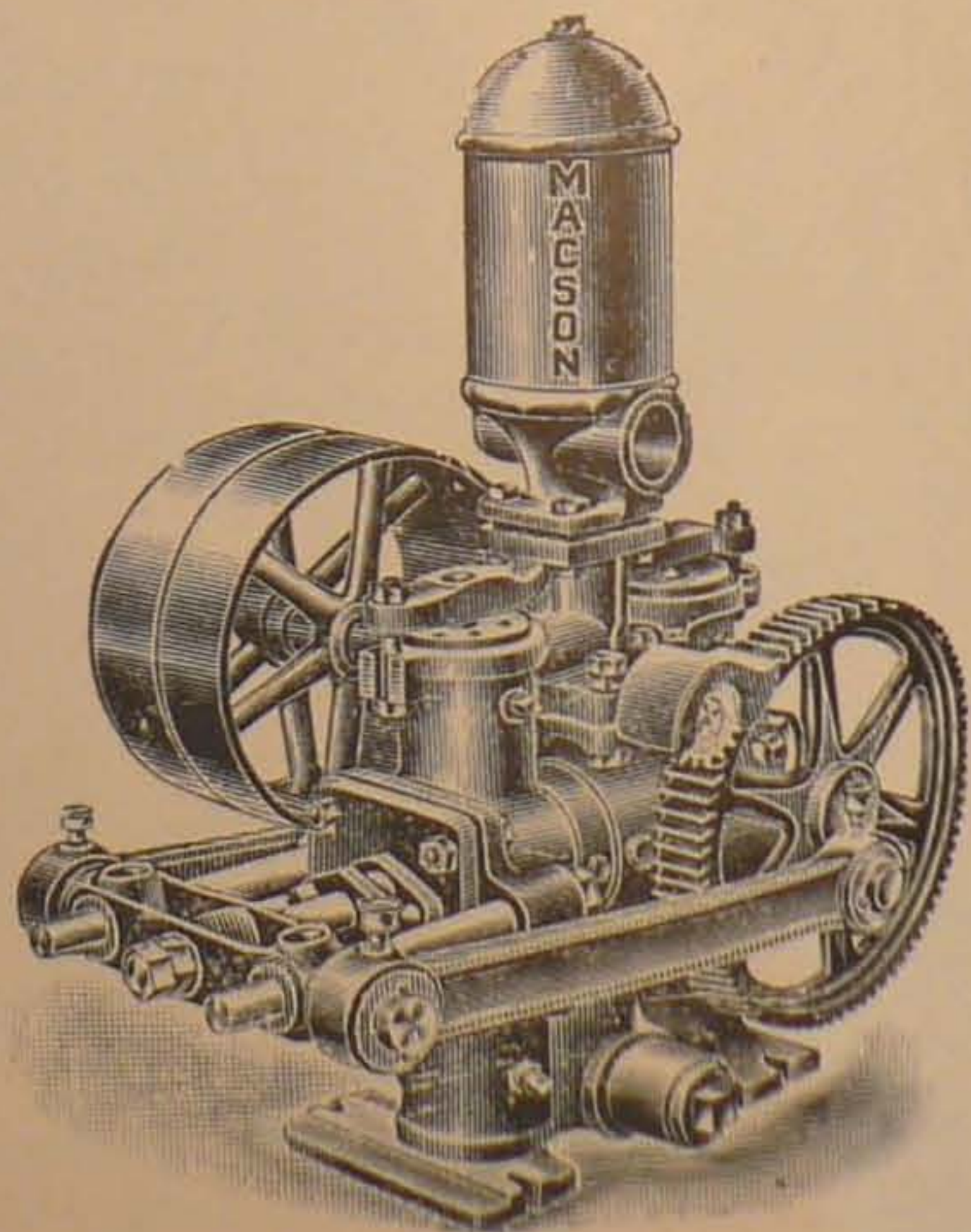
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tin. 29. Bowling:—Gilchrist, 5 for 48; Woodroffe, 3 for 74.

COLLEGE v. LYNDOCH.

The match was played at Lyndoch, where the College won the toss and batted first, making a score of 181. Lyndoch replied with 243.

Batting:—Bascomb, 83; Martin, 24; Wesley Smith, 23. Bowling:—Bascomb, 3 for 35; Woodroffe, 3 for 63; Martin, 1 for 6.

COLLEGE v. RAILWAYS.

Played on the College Oval. College batted first, and made 211. Railways then played out time, the score at stumps being 8 for 142, thus making the match a draw.

Batting:—Wesley Smith, 63 not out; Mr. Hickinbotham, 46; Martin, 26. Bowling:—Gilchrist, 3 for 14; Muirhead, 2 for 10.

COLLEGE v. SMITHFIELD.

Played on the College Oval. We again won the toss, and elected to put the opponents in owing to the wet conditions. Things did not turn out as expected, however, and our opponents declared at 7 for 250. The College replied with the very meagre total of 67, and had to follow on. The second innings produced the slightly better score of 8 for 128.

Batting, first innings:—Wesley Smith, 19; O'Neil, 14; Woodroffe, 10; and Gilchrist, 10. Second innings:—Bascomb, 17; Gilchrist, 18; McNeil, 43 not out; and Tummell, 20. Bowling:—Muirhead, 3 for 57; Gilchrist, 2 for 82.

COLLEGE v. CO-OPS.

Played on the Gawler Oval. College batted first, and were dismissed for 180. Co-ops. replied with 314, and in the College's second innings the score was 4 for 137 at stumps.

Batting, first innings:—Martin, 29; Bascomb, 22; Woodroffe, 24; O'Neil, 43 not out. Second innings:—Bascomb, 55 not out; Woodroffe, 58 not out. Bowling:—Gilchrist, 2 for 61; Woodroffe, 2 for 60; Muirhead, 2 for 73.

NON-ASSOCIATION MATCHES.

COLLEGE v. BALAKLAVA.

Balaklava batted first, and made 151, Muirhead taking 5 for 13 and Bascomb 3 for 33. The College responded with 97, Mr. Hickinbotham making 36 and McNeil and Gilchrist 24 each.

COLLEGE v. HARLEQUINS.

Harlequins batted first, and made 7 for 140, Bascomb taking 3 for 40 and Gilchrist 2 for 28.

College made 146, Bascomb making 28, Martin 30, and O'Neil 27.

BATTING AVERAGES. 1934-35 SEASON.

Batsman	No of Innings	Times Not Out	Highest Score	Aggregate	Average
Bascomb	7	1	83	239	39.8
O'Neil	7	3	47*	124	31
Wesley Smith	7	1	63*	119	19.8
Woodroffe	7	1	58*	115	19.2
Martin	7	—	29	117	18.1
McNeill	7	1	43*	75	12.5
Gilchrist	6	—	18	60	10

* Indicates not out.

BOWLING AVERAGES.

Bowler.	No. of Overs	Maiden Overs	Runs	Wickets	Average
Gilchrist	47	3	251	12	21
Muirhead	45.6	8	164	7	23.4
Woodroffe	51	2	237	8	29.6
Bascomb	54	10	182	6	30.3

For the A2 team the best performers with the bat were Mr. Williams with an average of 20, Tummell 16.2, Hagley 14.2, and Mr. Hickinbotham 13.3.

The best bowling was done by G. S. Jenkins, who took 24 wickets for 175 runs at an average of 7.3 runs per wicket. Mr. Hickinbotham also did well, taking 13 for 144. Tummell took 6 for 72, and Mr. Whicker 8 for 210.

B. C. W. S.

FOOTBALL NOTES.

Our success this year, although not as great as we would have liked it to be, was nevertheless very encouraging. For the three previous seasons the College team laboured in vain to win an Association match, and, apart from one or two games played against teams from other districts, football here was not very interesting for us. At the beginning of the season players were naturally far from confident, and our first win acted as a good tonic. From then on the team played with greater confidence, and looked forward to every match as one to be won instead of a lost game.

We owe a great deal of thanks to Mr. S. E. Whicker, our manager and coach, who, with

Penfolds



A good word
for everybody.

sound advice and plenty of encouragement, helped us to play better and more successful football this year.

Roberts played well at centre this year, and we congratulate him on tying for the Association awards for "The Best Placed Man" and "The Most Unselfish Player" in the Association. We also congratulate Orr and Gilchrist who tied as "The Most Consistently Effective Player in the College Team," and Bascomb for being our leading goalkicker with 41 goals for the season. Roberts, Tummel, and Gilchrist were awarded Football Blues this year, and to them we also extend our congratulations.

Those who played in the majority of matches were:—Gilchrist (Captain), Robert (Vice-Captain), Jenkins, Kay, Muirhead, O'Neil, Beare,

Brandon, Bascomb, E. B. McNeill, H. M. McNeill, Martin, Wheaton, Wesley Smith, Tummel, Diercks, Orr, and Stanley.

ASSOCIATION MATCHES.

College v. Centrals, won by Centrals, 9—18 to 8—8. We were superior in the air; but rain in the latter half spoiled this.

College v. Willaston, won by Willaston, 17—16 to 7—15. Too much down-the-centre play in the last term caused many attacks to be checked at the half-forward line.

College v. Rovers, won by College, 17—16 to 6—6. We will never forget this match, as it was the first win we have had in three years.

College v. Salisbury, won by College, 15—19 to 10—11. Salisbury looked like winning this



FOOTBALL TEAM.

Back: J. LeH. Tummel, J. T. L. Stanley, H. H. McNeill, L. H. Brandon, E. B. McNeill, W. G. Snodgrass.
 Middle: Mr. S. E. Wriker, L. D. Diercks, P. S. Seppelt, N. S. Orr, B. C. W. Smith, E. L. Wheaton, J. A. Beare.
 Front: J. M. O'Neil, G. C. Kay, J. W. Gilchrist (Captain), R. Roberts (Vice-Captain), G. S. Jenkins, D. B. Muirhead.

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game until they "packed up" in the last quarter, and we scored 7 goals 9 points to their 2 points.

College v. Souths, won by South, 15—12 to 13—17. Poor kicking in the last few minutes of play cost us the game.

College v. Souths, won by College, 8—8 to 6—18. Windy conditions made the play a little congested at one end; but, nevertheless, a hard game was played in good spirit. Play at the finish was very exciting and brilliant.

College v. Centrals, won by Centrals, 16—20 to 7—2. A very fast game. We got more of the play than the scores indicate; but their back lines were very hard to beat.

College v. Rovers, won by College, 16—7 to 6—6. Apart from a little crowding in our forward lines the College team played good sound system.

College v. Salisbury, won by Salisbury, 10—24 to 8—16. With a weakened team we seemed lost, and, although individual efforts were good, teamwork was sadly lacking.

College v. Willaston, won by Willaston, 16—20 to 7—9. Very wet conditions were responsible for the game being of a poor standard. Willaston men were faster, despite their weight, and adopted themselves to the conditions sooner than College.

College v. Souths, won by Souths 18—10 to 10—9. We started well, but soon faded out of the picture, and Souths had an easy win.

NON-ASSOCIATION MATCHES.

College v. Adelaide Teachers' Training College, won by the visitors by 24—17 to 7—10. The city team was much too fast and experienced for us. Their kicking for goal was also very praiseworthy.

College v. Adelaide High School, won by Adelaide High by 15—16 to 7—8. We were badly out of condition as the match was played immediately after the vacation. Added to this the weather was very hot. The hard bumping tactics of the visitors were unexpected and very effective.

SECOND EIGHTEEN.

Our Second Eighteen played one or two matches; but as they were not in an Association they could not play regularly.

It is hoped that players from this team and new students will be able to take the place of

students leaving next year, and have more success in the future, as the College team is due for something more to compensate them for the recent years of bad luck.

J. W. G.

RIFLE NOTES.

A very successful Annual Meeting was held on 27th June, the evening taking the form of a social, and, after the Principal had presented the trophies, supper was served. We heartily congratulate Mr. Baker and Mr. Gurner upon being re-elected Captain and Secretary respectively. The trophy winners were:—

Students' Cup: R. L. Robertson.

Old Students' Trophy (Highest Score, Inter-collegiate Contests): R. L. Robertson.

Student Championship: R. L. Robertson, E. C. Savage, J. M. Newland.

Club Championship: M. R. Baker, R. L. Robertson, Mr. W. G. Fairlie.

Trophy Spoons (Highest Score, Inter-Club Matches): Mr. Baker (3), R. L. Robertson (3), Mr. Gurner, Newland, Mr. Allen, Mr. Fairlie.

Six Trophy Shoots were held during the year and proved very popular, the trophies being won by the following:—

Aggregate (Students only): Chamberlain, Brandon, Barbary, H. McNeill, Bailey, Woodroffe, Mackay, Inglis, Goode, and J. Baker.

Handicap (open to all members): Chamberlain, Mr. Baker, Mr. Gurner, Mr. Fairlie, Bailey, Brandon, Barbary, Mr. Cowper, and H. McNeill.

Trophy Spoons (awarded to winners in each section): Mr. Baker (3), Mr. Gurner (2), Mr. Nourse, E. McNeill, Mr. Cowper, Inglis, Robertson, and Bowman.

The membership of the Club is in a very satisfactory state, we being able to show ninety-eight on the roll, of whom eighty-three are efficient. In addition to this, we are able to muster, if necessary, a following of about twenty to shoot in our Club matches. This indicates a very encouraging interest in the sport, and there is always a spirit of friendly rivalry among the members at each match.

INTERCOLLEGIATE MATCH.

The main event of the year was the Annual Intercollegiate Shoot which was held at Dookie, Victoria, at the end of July. We were fortunate in being able to put in two days' practice before the match. The conditions on the day of the match were not particularly hard.

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but a fish-tail wind, which was liable to spring up for a minute or two and then subside kept the coaches busy.

We extend our congratulations to Hawkesbury, and we are convinced that the best team won.

The results were:—

Hawkesbury, 589 (Bubb, 101; Jack, 100; McDonald, 100; Harris, 97; Baker, 96; Ramsay, 95).

Dookie, 584 (Woodburn, 99; Jeffrey, 98; Cameron, 98; Cumming, 97; Hastings, 97; Hage-thorn, 95).

Gatton, 559 (Moule, 98; Poulsen, 96; Nichol森, 95; Christenson, 92; Langdon, 91; Buss, 87).

Roseworthy, 552 (Robertson, 97; Brookman, 94; E. McNeill, 92; Woodroffe, 91; H. McNeil, 91; Chamberlain, 87).

INTER-CLUB MATCHES.

This year we have been fortunate in having had a very full programme of matches, namely, twenty to date, and the Club extends its thanks to our able Secretary, Mr. Gurner, for the very energetic way in which he has carried out not only his secretarial duties in arranging matches and looking after the interests of the Club generally, but the hundred-and-one other jobs which someone has to do or get done.

Of the matches, we have won twelve and lost eight, so that in our matches away from the College we have not always managed both to be entertained lavishly at afternoon tea and then to beat our hosts.

The results of the matches since the last issue of the Magazine are as follows:—

Inter-Club Matches.

R.A.C., 696 (A. W. Allen, 69) v. Torrens Valley, 760; v. Willunga, 691.

R.A.C., 714 (R. L. Robertson, 76) v. Adelaide No. 1, 743; v. Gawler, 736.

R.A.C., 484 (R. Baker, 75) v. Legion of Frontiersmen, 467.

R.A.C., 510 (H. Nourse, 69) v. Williamstown, 503.

Inter-Year Match:—Third Year, 188 (E. C. Savage, 37) v. Second Year, 166 (H. V. Chamberlain, 34); v. First Year, 150 (H. McNeill, 30).

R.A.C., 424 (R. Baker, 47) v. Naval Reserve, 396.

R.A.C., 728 (W. G. Fairlie, 74) v. Torrens Valley, 736.

R.A.C., 442 (R. Baker, 71) v. Legion of Frontiersmen, 306.

R.A.C., 510 (A. E. Gurner, 71) v. Wasleys, 664.

R.A.C., 551 (A. E. Gurner, 73) v. Owen, 479.

R.A.C., 668 (A. E. Gurner, 75) v. Williamstown, 760.

R.A.C., 675 (S. E. Whicker, 72) v. Hamley Bridge No. 2, 632.

R.A.C., 258 (W. G. Fairlie, 72) v. T.T. High School, 203.

R.A.C., 547 (H. V. Chamberlain, 65) v. Angaston, 461.

R.A.C., 732 (H. R. Nourse, 75) v. Willunga, 723.

R.A.C., 818 (D. Brookman, 75) v. University, 861.

R.A.C., 699 (H. V. Chamberlain, 69) v. Port Adelaide, 815; v. Wasleys, 812.

R.A.C., 654 (H. McNeill, 73) v. Williamstown, 711.

R.A.C., 688 (A. E. Gurner, 74) v. Owen, 698.

R.A.C., 835 (A. P. Bowman, 73) v. Willunga, 770; v. Torrens Valley, 845.

R.A.C., 629 (D. Brookman, 48) v. Naval Reserve, 541. H. V. C.

* * * *

TENNIS NOTES.

Season 1934-35.

Under the leadership of R. Roberts the Tennis Club spent a season which proved to be, throughout its entire length, a very successful and enjoyable one.

The "A" Grade team played 9 matches, won 5, lost 4. Four matches were cancelled owing to rain.

The "B" Grade team played one match, which the College team lost, and one match was cancelled owing to rain.

In the singles Roberts played in 7 matches, won 5 sets lost 2—3 games won and 49 lost. Brandon played in 8 matches, won 5 lost 3—69 games won, 55 lost. Brandon and Roberts played together in 6 matches, winning them all.

ANNUAL TOURNAMENTS.

Excellent entries were received for the tournaments, which were commenced prior to the Christmas vacation, and the concluding rounds were contested in the New Year. Keen competition was exhibited throughout, and some

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excellent performances were displayed. The results were:—

Open Singles Championship. — Brandon, 1; Roberts, 2.

Open Doubles Championship. — Brandon-Roberts, 1; Mann-Kay, 2.

"B" Singles Championship. — Jones, 1; Ward, 2.

"B" Doubles Championship. — Jones-Geddes, 1; Smith-Bascomb, 2.

Singles Handicap. — Gilchrist, 1; Smith, 2.

Doubles Handicap. — Brandon-Roberts, 1; Close-Cowley, 2.

Staff Singles Handicap. — Mr. Breakwell, 1; Mr. Williams, 2.

The grass courts were top-dressed rather late this season, but at present they are much improved, the couch grass having spread rapidly, and with a little more attention these courts should present quite a fair playing surface for the forthcoming season.

Two new cement concrete courts, which have been in the process of construction for some time, were completed on 14th November, and these will be a great asset to the sporting facilities of the College. They are situated directly in front of the grass courts when viewing them from the College. Having these courts will be a decided advantage from every point of view, for on rainy days the grass courts are unavailable, and matches have had to be cancelled in the past. Now, however, the cement courts will overcome this difficulty.

Intercollegiate practices are held during the autumn and winter months, and in the past the grass courts have been used which has frequently resulted in damage to them, but now, practices will be able to go on without any fear of affecting the condition of the playing surface.

Unfortunately, the fencing will not be erected this season, but temporary ones will probably allow them to be used during the latter part of the present season.

L. H. B.

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SWIMMING.

Club Notes 1934-35.

Although the Swimming season opened nearly a month later than usual, it was one of the most successful enjoyed by the Club since its inception. During October and November a number of improvements were effected to the

facilities at the pool. As a result of damage done by white ants, the wooden chute stand was replaced by an iron structure, and a new pole was put into position to support the rings. In addition, forty-five feet of piling was erected along the southern bank.

The first match of the season was contested with the Hamley Bridge swimmers in their pool on 18th December, the College team being successful by 29 points.

Ideal weather, combined with keenness of competition, made Sports Day an unrivalled success. Student R. Hay is to be congratulated on winning his second Championship Cup, generously donated by the Principal. The Inter-Year Competition for the Col. Fulton Challenge Cup was won by the Third Year, which swimmers have won it each year while attending the College. Prior to the Dance in the evening of Sports Day, 11th January, Mrs. Callaghan kindly distributed the prizes won during the afternoon.

A return match with Hamley Bridge was held in our pool on 19th January which the home team won by a fair margin of points.

A team of four swimmers attended the Gawler Amateur Swimming Club's Carnival a fortnight later, and upheld the good name of College swimmers in quite a satisfactory manner.

At the conclusion of the season badges were awarded by the Sports Union to D. B. Muirhead, H. H. McNeill, and H. E. Orchard following their successes both in Inter-Club matches and at the Sports.

With its early opening this (1935-36) season shows every prospect of eclipsing the success of that enjoyed under the able leadership of R. Hay, who was supported by E. Orchard as Secretary. During the last winter a lawn was planted on the ground reclaimed by the erection of the piling along the bank near the chute, and this is making good growth.

The Club has, this summer, affiliated with the South Australian Amateur Swimming Association, and it is hoped swimmers will avail themselves of the opportunities offered them by such affiliation.

The first match against St. Peter's College, and won by them by a narrow margin of 7 points, was held in their pool on 26th October. For this match and for the ensuing season E. Orchard was elected Captain and D. B. Muirhead Vice-Captain, and a most enjoyable season is anticipated.

H. E. O



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Results of Swimming Sports:—

CHAMPIONSHIP.

	100 Yards	50 Yards	100 Yards Breaststroke	Low Dive	High Dive	400 Yards	Total
R. C. Hay ...	5	5	5	3	-	3	21
D. Prowse ...	-	-	1	-	-	3	1½
R. Roberts ...	-	1	-	5	5	-	11
H. H. McNeil	3	3	-	-	-	3	6½
H. Orchard ...	1	-	3	1	3	5	13

Championship won by R. C. Hay.

FULTON CHALLENGE CUP.

	100 Yards Freestyle	50 Yards Freestyle	100 Yards Breaststroke	Low Dive	High Dive	400 Yards Freestyle	Inter-Year Relay	Total
Third Year ...	5	5	3	4	1	3½	3	24½
Second Year ...	1	3	5	5	5	-	1	20
First Year ...	3	1	1	-	3	5½	5	18½

Challenge Cup won by Third Year.

Events:—

50 Yards (Handicap).—D. Muirhead, 1; R. Geddes, 2; H. McNeil, 3.

100 Yards Breaststroke Championship.—E. Orchard, 1; R. Hay, 2; H. Orchard, 3. Time, 1 min. 34 sec.

Low Dive ("B" Division).—R. Robertson, 1; C. A. Stephens, 2; G. McEwin, 3.

50 Yards Backstroke (Handicap).—D. Prowse, 1; R. Roberts, 2.

50 Yards First Year Championship.—H. McNeill, 1; D. Afford, 2; R. Shipster, 3. Time, 29 sec.

50 Yards Second Year Championship.—D. Muirhead, 1; R. Roberts, 2; R. Robertson, 3. Time, 30 sec.

50 Yards Third Year Championship.—R. Hay, 1; R. Geddes, 2; L. Sutherland, 3. Time, 28 sec.

High Dive Championship.—R. Roberts, 1; H. Orchard, 2; L. Sutherland, 3.

50 Yards Breaststroke (Handicap).—M. Jones, 1; W. Chaffey, 2; R. Roberts, 3.

100 Yards Freestyle Championship.—R. Hay, 1; H. McNeill, 2; D. Muirhead, 3. Time, 65 sec.

Greasy Pole.—R. Shipster, 1.

50 Yards Freestyle Championship.—R. Hay, 1; D. Muirhead, 2; H. McNeill, 3. Time, 28 sec.

Low Dive Championship.—R. Roberts, 1; R. Geddes, 2; R. Hay, 3.

Under-water Swim.—R. Roberts, 1.

400 Yards Freestyle Championship.—H. Orchard, 1; R. Hay, 2; D. Prowse and H. McNeill (equal), 3. Time, 6 min. 12-5 sec.

Rings (Longest Distance in 1½ Minutes).—R. Robertson, 1.

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

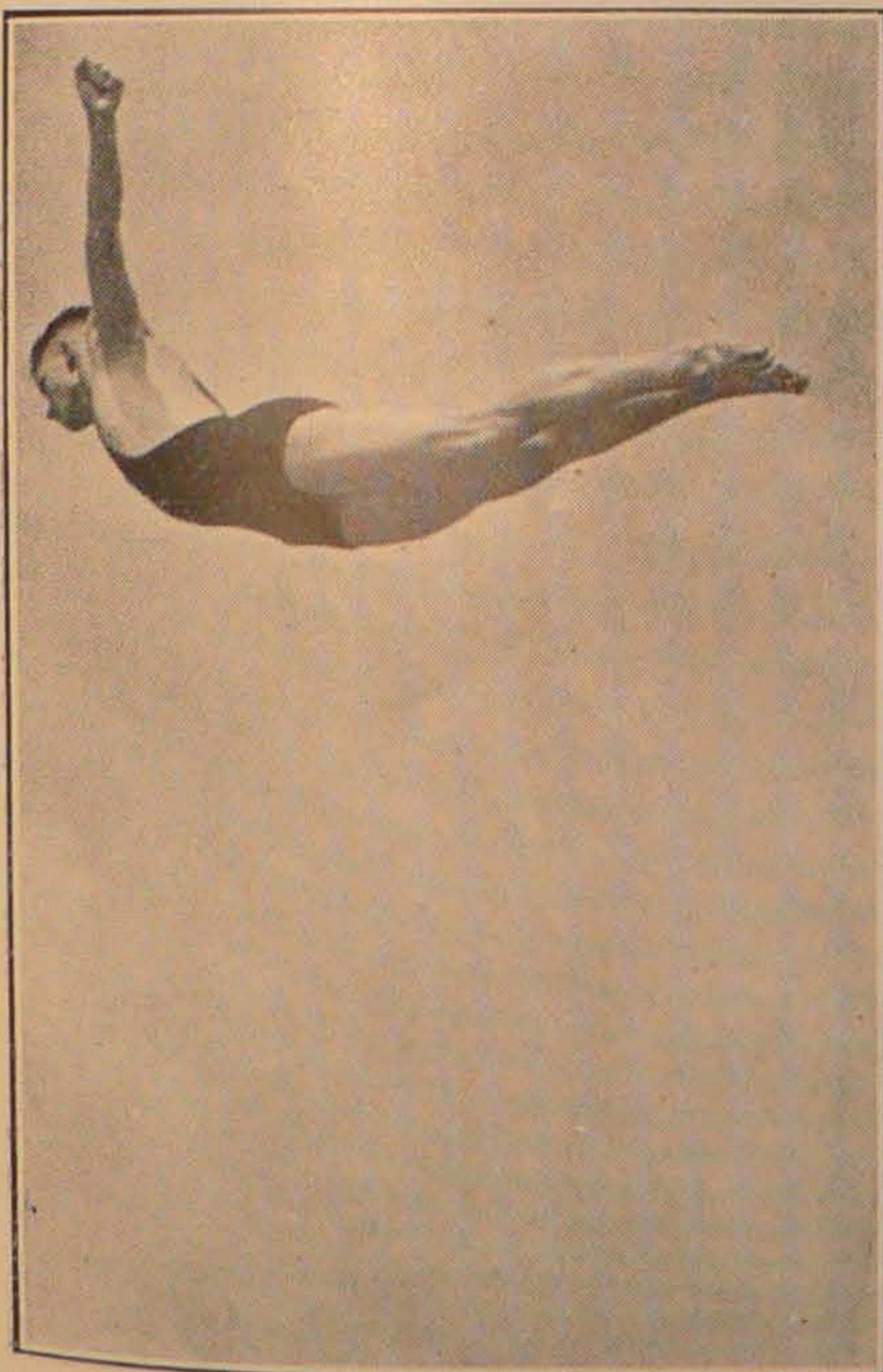
E. H. O.

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GOLF NOTES, 1935.

The game, though comparatively new to the College, is now firmly established, as instanced by the very successful season brought to a close with the Championship competitions in September.

As could be expected at an Agricultural College, such as this, where the tillage of the soil is an important feature of education, the game became popular, so much so, in fact, that the dangers of the Abyssinian frontiers faded in significance. Equipped with implements of all shapes and sizes, with ammunition defying des-



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cription and dressed to suit the part, players assembled regularly for competitions throughout the season.

The results of the competitions show that the College has within its walls some very promising golfers, and, incidentally, some who will require a little practice at the game.

The Committee, with the help of others, under the management of Mr. Bowden, first extended its energies towards converting the 9-hole course to a playable condition, with the result that we have a course, with greens surfaced with slag, fairways marked with white pegs, black and white stiles at the fences, and red flags at the holes. We wish to thank all those who assisted with this work, and extend an invitation to all players to assist in the completion of the course next season.

The final competition of the season was played off between the 7th and 21st of September, and took the form of a Championship over 36 holes. The entries were very pleasing, despite a run of bad weather. The results were as follows:—

Staff Handicap won by Mr. Williams.

Student Championship won by A. R. Griffiths and A. P. Bowman (equal).

Student Handicap won by M. Heysen; runner-up, P. G. Shinckel.

Mrs. Callaghan kindly presented the trophies for these events after the Athletic Sports on 18th October.

D. H. M.

GYMNASIUM NOTES.

The Gymnasium has been somewhat neglected for the past two years, as little or no interest had been forthcoming so that following a deputation to Dr. Callaghan, of some of the more enthusiastic students early this year, a Committee was formed to restart the Club.

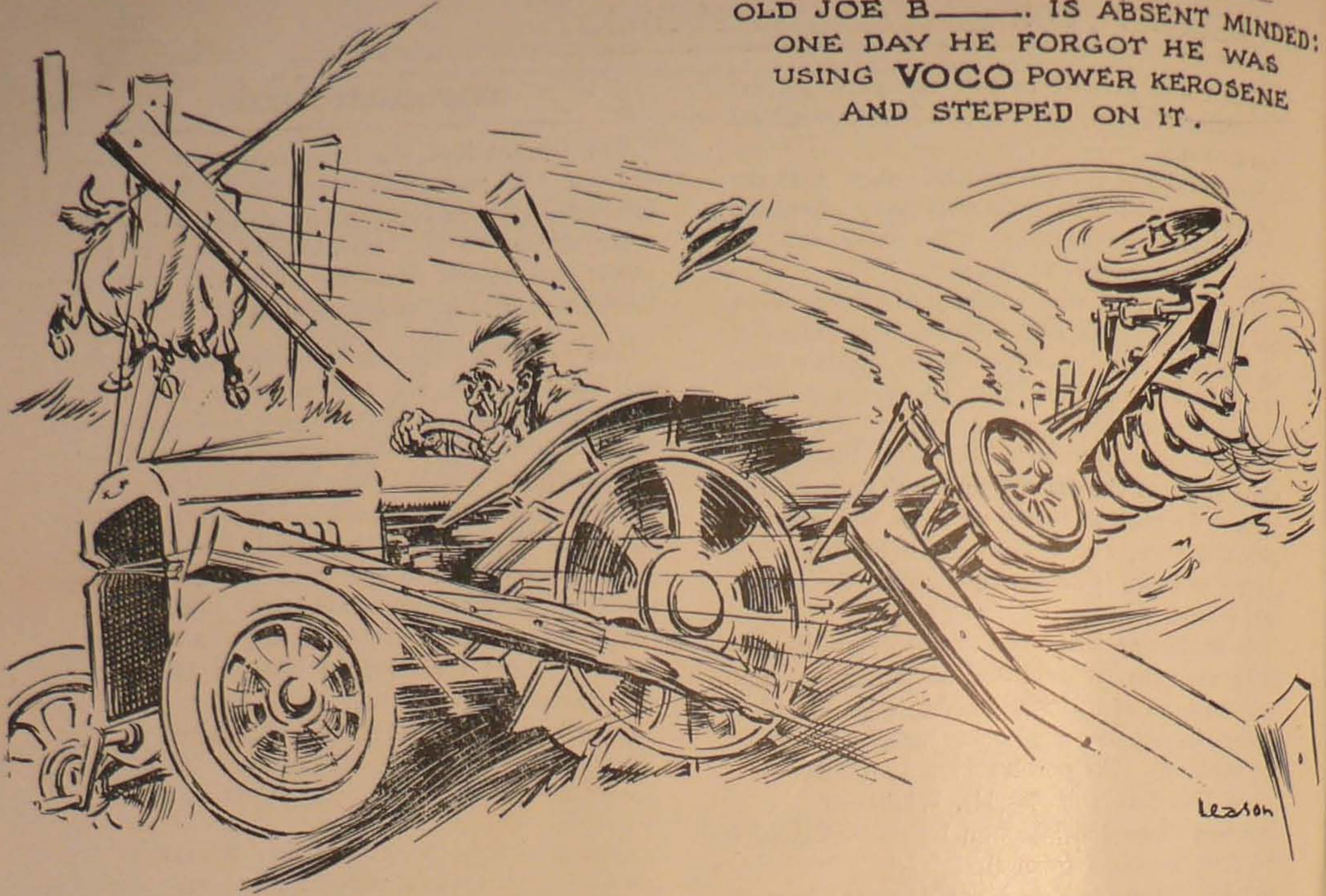
The first big step was to replace the horizontal bar, and we are still stepping . . . as there was, and still is, far more enthusiasm in an argument as to the advantages of a steel bar over those of a hickory bar and vice versa than say, a crow-bar or shovel. However, definite plans are in view, and they shall be carried out. Also new material in the form of a set of 8-oz. sparring gloves—appreciated at least by a couple of members of the staff, who doubtless desired to get their weight down a bit during the winter—a punch ball, two bladders, and a pair of bunch ball mitts, were purchased during the season out of the £5 granted us by the Sports Union.

Our, perhaps, too optimistic attempt at rejuvenating the Club will, at any rate, benefit gymnasts among the future generations of students, and if that is so we consider ourselves amply repaid.

E. H. O.

* * * *

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Obituary.

It was with deep regret that we learnt of the death of Mr. C. P. Seppelt, a student of this College during the year 1894-7. On completing his Diploma course, Mr. Seppelt took an active part in the management of Seppelt's South Australian interests, and at the time of his decease had charge of Chateau Tanunda.

During his long association with wine-making interests, Mr. Seppelt made many fast friendships in this and the Eastern States, and it was generally recognised that there was no one connected with the viticultural industries more popular than he. He established a very real affection in the hearts of the whole of Seppelt's employees, and, in fact, his death was in no small measure attributable to injuries received in the rescue of an employee in an accident at Seppeltsfield.

Notices.

NEW CONSTITUTION.

A new Constitution was adopted at the Special General Meeting held at the College during the Reunion in March. This will be read and confirmed at the next General Meeting, and published in the next issue of "The Student."

* * * *

THE ASSOCIATION BLAZER AND MEDALS.

A blazer for Old Students has been designed and adopted. It is a simple black with the College crest worked in silver on a blue background, with "silver" buttons on which is embossed the College crest. Anyone wishing to secure a blazer may obtain an order on application to the Hon. Sec.

Medals are now available in 9-carat gold and in rolled gold, at 24/- and 7/6 respectively.

It should be noted that blazers and medals are available to financial members only.

* * * *

SUBSCRIPTIONS.

Annual subscriptions are due on 1st January each year, and members are urged to send their subscriptions early and thus save the Association the expense of posting circulars.

* * * *

OLD COLLEGIANS' NOTES.

In order to keep these columns up-to-date, members are urged to keep in touch with the Hon. Secretary. Any information as to the whereabouts of ex-students who are not members will be much appreciated.

* * * *

Programme of the Jubilee Reunion.

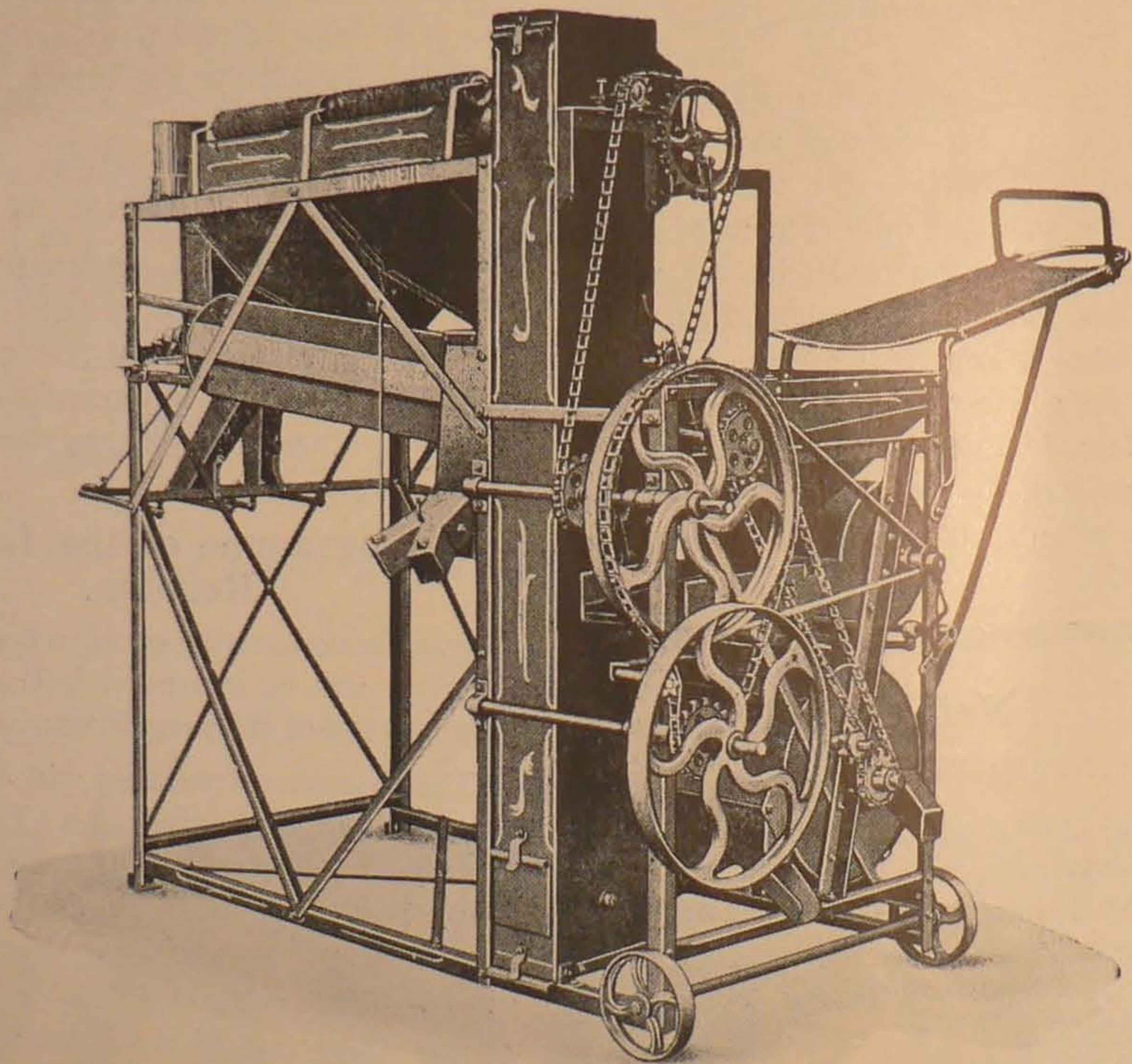
Old Students who could not attend this function will be interested in the following brief details of the programme.

The Reunion commenced with the Annual Speech-day proceedings on Friday, 1st March, at 1.30 p.m., which was attended by many past students. In the evening the Jubilee Dinner was held.

On Saturday the Principal conducted a general inspection of the Farm and College in the morning, and those present were very interested and much impressed with the changes effected since their student days. In the afternoon Dr. and Mrs. Callaghan entertained with afternoon tea in their garden, and the evening was fully occupied with the Special General Meeting, at which important business, including the new constitution, was discussed. Mr. Hall, of Adelaide, kindly brought along several of his friends, who

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provided a few musical items—meditation music—after the meeting.

On Sunday morning a group photograph was taken and a most impressive Church service was conducted by Rev. P. C. Eckersley, an Old Student. The afternoon was devoted to general recreation, verbal and otherwise, and the tennis-courts, oval and swimming pool were well patronised. After the Farewell Tea at 6.30 p.m. most of the visitors departed, regretting that the Reunion had passed so quickly, and hoping that a similar function may be repeated in the near future.

* * * *

Jubilee Reunion, 1st-3rd March, 1935.

SOME NOTES BY AN EX-STUDENT.

We must all admit that the Old Students' Jubilee Reunion held at the College in March of this year was an unqualified success. The period of the Reunion, although short, was sufficient to enable ex-students to renew acquaintances and to live over again their student days spent at the College.

Quite a number of those attending were ex-members of the College Staff, and the following are recalled:—

Mr. R. C. Scott, Supervisor of Experimental Work in the Department of Agriculture, was at one time Experimentalist at Roseworthy, and also Secretary of the Roseworthy Old Collegians' Association for a number of years.

Mr. R. Hill, Senior Agricultural Instructor in the Department of Agriculture, was Assistant to Mr. W. J. Spafford (Deputy-Director of Agriculture), who was then Experimentalist here.

Mr. F. Cooper, of brewing fame, was also for a short time Assistant Experimentalist, and the ornamental pond adjacent to the present poultry yards was named Cooper's dam, because Frank supervised its construction.

Mr. H. C. Pritchard, former Housemaster and Secretary, was a particularly popular figure at the Reunion, and many instances were recalled which were associated with Mr. Pritchard's happy sojourn here.

Barry Conway, who is now growing grapes and fruit at Cadell, was at one time the Superintendent of Vineyard, Orchard, and Wine Cellars at the College, and many ex-students will recall Barry's cheery personality.

Jack Hocking, sen., was a popular figure at the Reunion, and he does not look much older than many of us as students remember him; in fact, to some he appears younger, owing to the absence of the familiar beard. It would be quite superfluous to recall the incidents of the past which were associated with Jack's stay at the College, these having been so often repeated by the older brigade.

J. L. Williams, sen., former mechanic, and C. T. Jarmen (lately deceased), a former Farm Manager, were also popular figures, both having been associated with the College in the early days.

All Old Students deeply regret the decease of Mr. Jarman. While at the College he formed many lasting friendships, and will always be remembered as a master ploughman. No one before or since has turned a straighter furrow, although ex-students will recall that Andy Glenn rivalled him very closely at a later period. Straight ploughing nowadays appears to be almost a forgotten art.

Altogether, 131 persons signed the Visitors' Book during the Reunion celebrations, but many signatures were not secured, as I believe over 200 visited the College during the three days.

A large number of the ex-students who attended had not revisited the College since having finished their courses, and some had not renewed acquaintance for over 30 years. All were impressed with the present-day improvements and facilities available for the convenience of students. Improvements on the farm in the form of buildings and equipment were only to be expected, but domestic, social, and sports facilities were also very noticeably improved in certain directions. Sports facilities include a new oval and three grass tennis-courts.

The excellence of the oval and courts are due primarily to the untiring efforts of Mr. W. J. Colebatch, who, when Principal at the College, gave the construction of these his personal supervision. Students of this period will well remember the hours he devoted to taking levels and wielding saw and hammer in their construction.

The College now possesses a full-sized 303 rifle range, with ranges of 200, 300, 500, and 600 yards, a nine-hole golf course and a well-equipped swimming pool, which incidentally was well-patronised during the Reunion.

These additions greatly extend the sporting side of College life, and I am told that it is not unusual during the summer months for the Housemaster to find it difficult to master sufficient non-sports'

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participants for carrying on essential services such as dairy, pigs, stables, sheep, and poultry.

A new jarrah floor in the Dining-room has been a distinct acquisition for social occasions, and an up-to-date hot-water service is another boon to students and has served to prevent the frequent clashing of interests of students and domestic staff.

The only sections of the College which appeared not to have been keeping pace with the general improvement noted elsewhere was in the College buildings themselves and the wine cellars. Apart from the Tassie Library, there have been no recent additions, and one Old Student who was here prior to 1890 fondly recalled having used certain articles of furniture which still adorned his allotted room during the Reunion, in his student days.

A very noticeable loss from the College environs is the open underground tank adjacent to the bathroom and corridor, although the bent nature of the guttering on the bathroom roof bears testimony to the tank having been put to uses other than those intended, and I am reminded of some of my own excursions into its icy depths, some voluntarily taken and some less willingly.

The sounding of the dinner-gong revived old memories, and was a reminder of the occasions when the same bell was used for waking the poultry at 4.30 a.m.

The rather extensive grass plots, with their large identification boards, that were at one time located on the site of the old irrigation plots near the farm have now been removed. These, with their wooden borders, were mistaken by bright First Year students for the College cemetery, and one was persuaded to make a wreath and place it on a certain unfortunate individual's grave.

Behind the mechanics' shop, and in what used to be at one time a pigyard, lie many interesting relics of the past, among which is the old thresher and the Ormsby oil engine. The First Year students of 1918 well remember these two machines when operating in Flett's for six weeks on end threshing barley and baling the straw. Incidentally, the only Christmas leave during that year was Christmas Day, and all hands and the cook, so to speak, were in the field. There were only 19 students in all at the College during that period, the harvest was a big one, and First Year students did no lectures during the harvest extending from the latter end of October until the middle of February.

Old Students are greatly indebted to the Principal (Dr. A. R. Callaghan) for the idea of the Reunion, and to the Doctor and the Committee

of the Roseworthy Old Collegians' Association, the Secretary (Mr. S. R. Klose) and members of the College Professional, Junior, and Domestic staffs for the arrangements made for Old Students' entertainment and comfort, during their brief return to the College.

* * * *

The Jubilee Reunion Dinner.

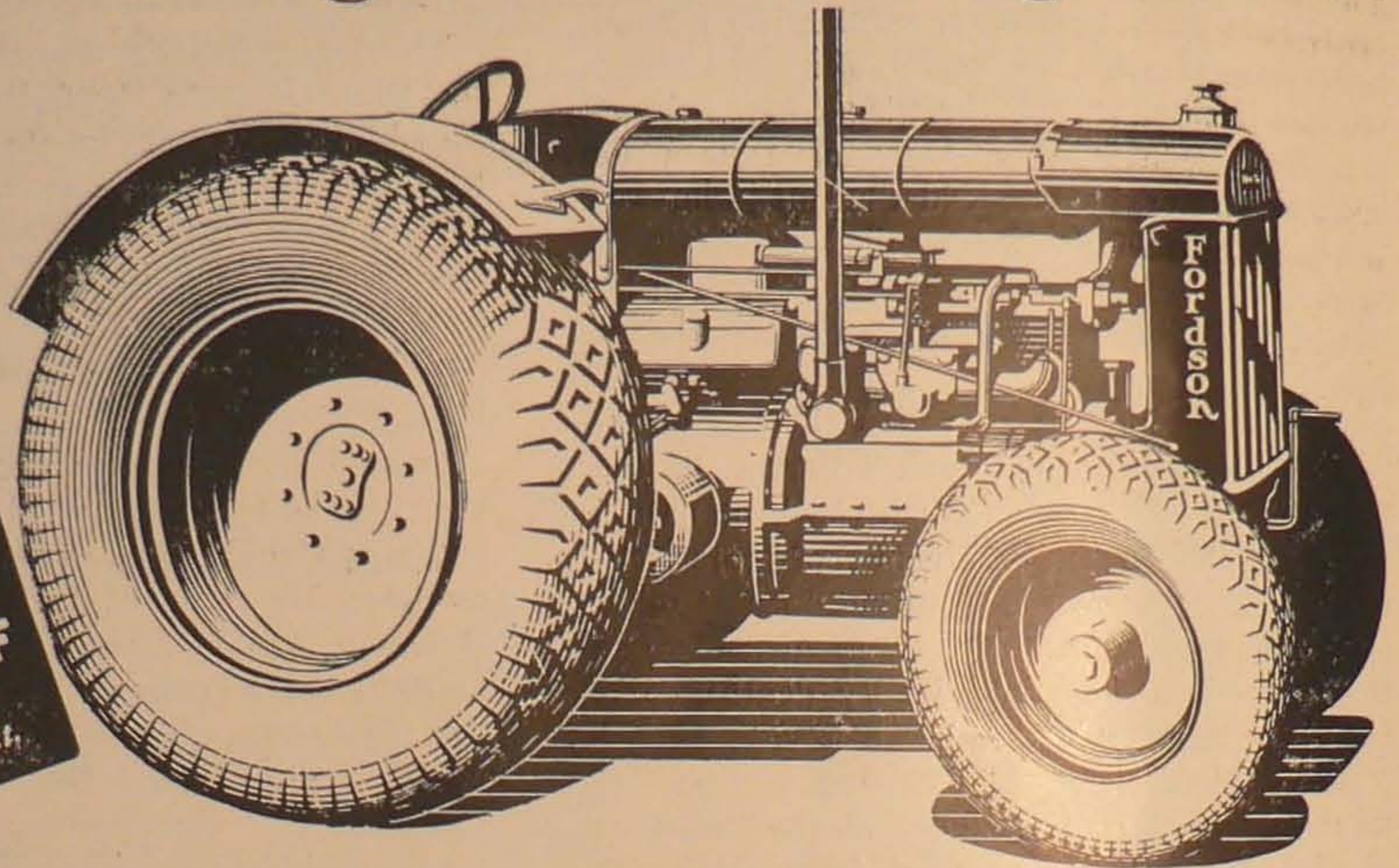
The feature of the Reunion was undoubtedly the Dinner held in the College Hall, Friday, 1st March. It was unfortunate that we were unable to accommodate all those who wished to attend this function. However, 122 sat down to the Dinner, and in spite of the slight congestion caused by overtaking the accommodation, the function went with a swing from the soup to the final toast.

Colonel D. Fulton, as President, occupied the chair. The toasts honoured were:—"The King," proposer Col. D. Fulton. "The Government," proposer, Mr. R. H. Martin; response, Mr. A. W. Robinson, M.P. "The College," proposers, Col. D. Fulton and Professor J. A. Prescott; responses, The Chairman of the Governing Council (Mr. A. M. Dawkins) and the Principal (Dr. A. R. Callaghan). "Foundation Members of the Roseworthy Old Collegians' Association," proposer, Mr. W. J. Dawkins; response, Mr. T. E. Yelland. It was gratifying to note that a big percentage of the Old Students present were of the older brigade, and only a few "years" were not represented since the foundation of the College in 1885. Unfortunately, none of the past Principals were able to be present, and their absence was regretted by all.

The primary objective of the Dinner was attained in that Old Students of all ages and classes contributed to the good fellowship which was so obvious during the proceedings, and it was the unanimous wish that this function be repeated whenever possible at the College in the future.

The dominant feature of the speeches delivered by the various speakers was the warm feelings in the hearts of all "Old Roseworthians" for their "Alma Mater," and their indebtedness to the institution. Many of the speakers urged those present to make the "Old Students' Association" a more alive and influential body, and that Old Students could do much for the State by strengthening their Association. Dr. Callaghan was warmly commended for his efforts and enthusiasm on behalf of the Old Students' Association and for the success he had attained in re-

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habilitating the College. Expressions of confidence in the future of the College under his guidance were heard on every hand.

We take this opportunity of thanking those Old Students who assisted by providing the good fare so generously, and which in no small measure contributed to the success of the evening. The entertainment provided by the "Nightlarks Male Quartette" during the dinner was very much appreciated by all.

* * * *

Old Collegians.

Thos. Davies (1885).—Manager for Elder, Smith and Co., Port Augusta.

A. M. Dawkins (1885).—Angle Vale. Chairman of the Governing Council.

W. G. Treloar (1885).—Clerk of District Council at Truro, general commission agent, and Commonwealth Electoral Registrar.

M. Eastwood (1886).—Living at Tamworth, N.S.W.

T. A. Wilson (1886).—Silver Medallist. It was regretted that Mr. Wilson, one of the original students, was unable to attend the Reunion. Mr. Wilson was the first student to arrive at the College.

J. Playford (1887).—Market gardening at Norton's Summit.

H. M. T. Grierson (1888).—Resides at Milang.

Val. Shakes (1888).—With Goldsbrough, Mort and Co. at Abattoirs.

C. E. Birks (1889).—Has a large grazing property at Wistow. Regrets being unable to be present at the Reunion.

J. G. Goldsack (1889).—Resides at Beaumont.

H. F. Liston (1890).—"Lonsdale," Morphett Vale. Is a very interested reader of "The Student."

F. S. Wight (1890).—Clerk of the District Council, Mannum.

A. F. Salter (1890).—Connected with W. Salter and Sons, Angaston.

T. E. Yelland (1890).—First Secretary of the Association. Director of S.A. Farmers' Union, Adelaide.

W. E. Hawke (1891).—Resides at Toorak.

F. L. Barnet (1891).—Editor of "The Bunyip," Gawler.

J. V. Judell (1892).—Public accountant with offices at Port Adelaide. Resides at Croydon Park.

W. L. Graham (1893).—Farming at Narrogin, W.A.

W. E. Bowden (1893).—Living at Riverton. His son, Os. Bowden (1918), is our efficient Farm Manager.

L. N. Salter (1894).—Living at Angaston. Still judging at the Annual Wine Show, Adelaide.

G. H. Locyer (1895).—Farming in the Curramulka District.

C. A. Nicolas (1896).—Farming at "Rutland," Paskeville. Returned recently from a trip to Fiji.

A. W. Robinson (1896).—"Werocata," Balaklava. Member of Parliament for Wooroora.

A. M. Wilcox (1896).—Has a large property at Korunye.

A. H. Bills (1897).—Still in the grain and flour business at Broken Hill. Mr. Bills can still hold his own at tennis with the younger set.

H. A. Phillips (1898).—Living at Bowan Downs, Lidster, N.S.W.

Bob James (1898).—Farming at Riverton. Takes a great interest in public affairs.

C. P. Hodge (1899).—In charge of the National Park, Belair.

Capt. J. S. Malpas (1900).—Residing at Wilunga. Illness prevented him attending the Reunion. We trust he is well on the road to recovery.

F. F. Weaver (1900).—Has a property at Kapunda. Pleased he has renewed his acquaintance with the College at the Swimming Sports.

H. D. Adams (1900).—Resides at Port Lincoln. Agricultural Instructor for Eyre Peninsula.

A. Chillingworth (1900).—Associated with H. W. Morphett & Co., Wood's Point.

S. E. Tavender (1901).—Avenue Range. Thoroughly enjoyed himself at the Reunion. Sorry to hear of his recent illness, and we trust he has recovered.

Rev. P. C. Eckersley (1901).—The Jubilee Service conducted by Rev. Eckersley was very much appreciated by all during the Reunion.

P. J. Bailey (1901).—Manager for H. W. Morphett & Co., Wood's Point.

Hugh Main (1902).—Minister for Agriculture, N.S.W.

G. M. Black (1902).—Farming at Gladstone.

Col. D. Fulton (1903).—Director of "Woodley Wines," Glen Osmond, and President of the Association.

F. Phillips (1903).—Resides at Riverton.

W. J. Dawkins (1903).—We offer our congratulations to Mr. Dawkins for his many successes in the Royal Shows this year. The following is a summary of his prize-list:—

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Melbourne—Champion Ram: 5 firsts, 3 seconds, 6 thirds.

Sydney—Champion Ram: 4 firsts, 3 seconds.

Perth—Champion Ram, Champion and Reserve Champion Ewes: 4 firsts, 1 third.

At Melbourne he also won the Breeders' Plate and the Centenary Cup.

Southdowns.

Adelaide—Reserve Champion Ewe: 2 firsts, 3 seconds, and 4 thirds.

Melbourne: 1 first, 1 second, 2 thirds.

Sydney: 2 firsts, 1 third.

Clydesdale Horses.

Adelaide: 3 firsts, 3 seconds, 1 third.

H. C. Lloyd (1903).—Residing at Clare.

C. E. Verco (1904).—Owner of "Lanacoona" Jersey Stud at Mt. Compass. Secured the Reserve Champion Cow and other prizes at the Adelaide Royal Show this year. Congratulations, Mr. Verco.

F. S. Faulkner (1904).—Farming at Stansbury.

E. S. Alcock (1904).—Agricultural Instructor for the South-East.

C. G. Savage (1905).—Fruit Expert of N.S.W. Department. Resides at Gordon.

A. C. Jacobi (1905).—South Road, Edwardstown. Shearing expert for the Federal Sheep Shearing Co.

P. H. Pickering (1905).—Has an orange orchard at Mypolonga. Many will remember his happy disposition at the Reunion.

R. C. Pocock (1906).—Farming at Lameroo.

R. Wheaton (1906).—Farming at MacGillivray, Kangaroo Island.

F. L. Cooper (1906).—In partnership with his brother brewing the national beverage.

J. K. Gardiner (1907).—Farming at Balaklava.

W. Motteram (1907).—Director of W. Motteram and Son, biscuit manufacturers. Has a son at the College.

C. H. Heath (1907).—Large fruit and vine property at Renmark.

J. W. Aldridge (1907).—Stud pig breeder at Angle Vale.

T. W. Sobels (1908).—"Springvale," Watervale. Director of Buring & Sobels.

F. K. Watson (1908).—Principal Research Officer of the Irrigation Commission, Griffith, N.S.W.

A. A. Magarey (1908).—Has a fruit property at Blackwood.

H. Clutterbuck (1908).—Hindley Street, Adelaide. Enjoyed himself at the Reunion.

G. R. B. Williams (1908).—Living at Grenfell, N.S.W. Attended the Reunion.

T. M. Rowe (1909).—Police Sergeant at River-
ton.

S. E. Hall (1909).—Adelaide manager for H. B. Chapman & Co., Land and Estate Agents.

G. M. Buchanan (1909).—Fruitgrowing at Bar-
mera.

M. O. Weste (1910).—Has a farming property at
Catamatyte, Victoria.

L. J. Cook (1910).—Managing the Government
Experimental Farm at Kybybolite.

H. G. Nettlebank (1910).—Farming at Sandy
Creek.

E. J. Bruen (1910).—Deputy-Director of Agri-
culture in Bombay, India.

T. R. Welbourne (1911).—Has a property at
Narriady. Very hospitable and successful.

F. A. Wheaton (1911).—Has a farm at Redhill.

R. R. Bartholomaeus (1911).—Wheat farming
at Farrell's Flat.

S. H. J. Best (1912).—Farming at Tammin,
W.A. Visited the College recently.

J. H. Fletcher (1912).—Has a property at Port
Broughton.

H. Snow (1912).—Farming at Brinkworth.

Roland Hill (1912).—Vice-President of the Asso-
ciation. District Agricultural Instructor living at
Gawler.

K. E. Neville (1913).—Has a farming property
at Balaklava.

G. K. Henderson (1913).—Has a farm at Tin-
tinara.

P. A. Tod (1914).—Farming at Port Broughton.

H. A. Follett (1914).—Very successful vigneron,
Langhorne's Creek. Regret hearing of his recent
illness, and we hope he is well on the way to
recovery.

G. C. Walkem (1915).—Has a grazing property
near Mt. Barker. We offer our sympathy to
this Old Student for his recent and sudden be-
reavements.

F. O. H. Martin (1915).—Associated with L. J.
Cook at Kybybolite.

B. Conway (1915).—Fruit and vine block at
Cadell.

A. M. Tilley (1915).—Residing in W.A. Very
interested in the Reunion, and telegraphed con-
gratulations. He was the first son of an Old
Student to enrol at the College.

E. S. West (1915).—Associated with the C.S.I.R.

G. Bagot (1916).—Grazing property at Echunga.



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M.P.O.

A. T. Whiting (1916).—Resides at Adelaide. Attended the Reunion Dinner.

E. J. LeMessurier (1916).—Farming at Price.

W. H. Lewcock (1917).—Has a fruit and vegetable property at Clare. Drying fruit. Visited the College recently.

F. Riggs (1917).—Farming at Purnong.

O. S. Bowden (1918).—Farm Manager at the College.

W. N. Hannaford (1918).—Has a sheep property in Queensland.

A. L. Warren (1918).—Horticultural Instructor in the South-East.

A. J. A. Nicholson (1918).—Running Roopena Station, via Port Augusta.

H. R. Haselgrove (1919).—Manager for Thos. Hardy and Sons, at Mile-End.

W. J. H. James (1919).—On the Phylloxera Board.

H. K. Lewcock (1919).—Intimately connected with the successful eradication of the prickly pear in Queensland. Visited the College recently.

C. C. Ross (1919).—Has a property at Williamstown.

K. McLeod (1919).—Present address unknown.

M. S. Bell (1920).—Managing B. Seppelt and Sons, Seppeltsfield.

A. C. Grieve (1920).—Residing at Naracoorte.

L. W. Beaumont (1920).—In the butchering business with his father at Murray Bridge.

J. H. Legg (1920).—With Taylor Bros. at Auburn.

E. J. Hollitt (1920).—Farming at Wirrabara.

F. E. Bowden (1921).—Property at Narrung.

A. R. Hocking (1921).—Farming at Melrose.

C. E. Pellew (1921).—State Cricket Coach.

K. H. Shepley (1921).—Has a property at Korunye.

F. W. Coleman (1922).—With his father at Saddleworth.

W. C. Johnstone (1922).—Agricultural Instructor at Riverton.

S. S. Jones (1922).—Teaching at Urrbrae High School, Glen Osmond.

I. E. Thomas (1923).—With Elder, Smith and Co., Adelaide. Doing well at rifles with Elder, Smith's team.

C. T. Preece (1923).—Managing B. Seppelt and Son's cellars at Great Western, Victoria.

G. W. Nicolson (1923).—With his brother at Roopena Station, via Port Augusta.

T. J. Cosgrove (1924).—Manager Reynell's Winery at Reynella.

R. Castine (1924).—Farm manager at Point Pearce Mission Station.

Angas Mair (1925).—After a trip to Europe he purchased a property, "Prairie Vale," at Attunga, in the Tamworth District, N.S.W. Has established 300 acres of lucerne, and is interested in fat lamb production.

G. V. Rogers (1925).—Resides at Victor Harbour.

H. W. Bauer (1925).—Farming at Booleroo Centre.

H. W. Robinson (1925).—On his father's property, "Werocata," Balaklava.

K. A. Pike (1926).—Field Officer at the Waite Research Institute, Glen Osmond.

N. L. Jude (1926).—Recently married, and on a trip to England.

A. T. Hooper (1926).—Milk-tester in the Department of Agriculture.

J. H. Fry (1927).—Farming at One Tree Hill. Renewing acquaintance with the College in the cricket field.

L. E. Yelland (1927).—On his father's property at Milang.

F. C. Gross (1927).—Field Officer in the Department of Agriculture, Adelaide.

G. A. Robinson (1927).—With his brother at Balaklava.

C. A. Chillingworth (1927).—With H. W. McPhett & Co., Wood's Point.

C. W. Hooper (1928).—Residing at Hawthorn.

L. V. Spencer (1928).—With the R.A.F. in England.

C. O. Geddes (1929).—Has a grazing property at Melrose.

T. Winnall (1930).—Last heard of at Olary on a station.

J. Legoe (1930).—Farming at Riverton. Attends the College dances regularly.

L. G. Harrison (1930).—Employed in a butter factory at Mt. Gambier.

J. McM. Glynn (1930).—Farming at Rhynie.

E. W. L. Dawkins (1931).—Farming his property successfully at Gawler River. Ern. is playing havoc with the College Cricket Team for Gawler South.

A. G. Hay (1931).—Completed his course for the Ministry and has a Parish in W.A.

A. C. K. Beviss (1931).—Teaching at Murray Bridge High School. Arch is still adding "centuries" to his cricket records.

Q. F. Freebairn (1931).—Last heard of teaching in Fiji.

A. R. Beckwith (1932).—With Penfold's at Nuriootpa.

W. L. B. Bell (1932).—Meat and Fruit Inspector at Adelaide.

R. F. Brechin (1932).—Completing his woolclassing course with the School of Mines.

L. McCarter (1932).—Teaching at Kadina High School and has had exceptional success with his students. Congratulations, Mac.

G. P. Day (1932).—Teaching at Urrbrae High School. At the top of his form with Sturt, and played with the Interstate team this year.

J. C. Kilgour (1932).—Still with R. H. Martin, Stonyfell. Recently engaged. Congratulations, Johnnie.

J. G. McAuliffe (1933).—With L. J. Cook at Kybybolite.

C. W. Kelly (1933).—With his father at Lyndale Winery, Lyndoch.

W. C. John (1933).—In the Laboratory at the Berri Distillery.

R. Packer (1933).—Farming at Mundalla.

R. E. Emery (1933).—After a short spell of market gardening, Bob decided to try his luck in New Guinea. The following notes are taken from a letter to Dr. Callaghan recently:—

"I have been in New Guinea for twelve months. The first job I had was working for the Bulolo Dredging Co. as a carpenter, and was with them almost eight months. The next job was driving a team of 60 native boys for 'Sunshine Gold Developments,' and I can assure you it was much more exciting than driving a team of College horses—especially when Arran and Clyde were in the team. For success in running native labour a good deal of physical persuasion is necessary, and most 'coon drivers' have a bit of a limp. I had this job six weeks, when I shifted to Wau, where I got a job carpentering for two and a half months. Then I was offered my present job.

"The firm, 'Markham Valley Products,' just started, consists of two partners. One is a gold-miner, who is the sleeping partner, supplying the capital, and the other is in charge of the business end. They propose to start a poultry farm at Lae to supply a minimum of 150 dozen eggs and 50 dressed poultry per week, and later to branch off into dairying and pig-raising. There is a wonderful market for these commodities on the goldfields, and it should increase.

"The partner has gone south to do a three months' course in poultry at Hawkesbury. My job is to erect all buildings, including one bungalow, fowl yards, etc. I have been on the job

a week now with some native labour. I have to plant the necessary greenfeed, etc., and have undertaken to hold the job for twelve months. This is the sort of job I've been looking for since I left R.A.C., and I hope I will make a do of it." Good luck, Bob; we are sure that if you've still got that trombone to charm the coons and the cobras, R.A.C. is well on the map of New Guinea.

R. H. Jones (1934).—Promoted from Cereal Cadet to Temporary Field Assistant in the Plant-breeding Branch at the College.

A. W. M. Gunson (1934).—Was awarded a Veterinary Scholarship at the Sydney University.

A. W. Allen (1934).—Formerly a Cadet at the College, now with the Berri Distillery. Now has an accurate knowledge of the capacity of a 20,000-gallon tank. This comes from "sitting back and surveying the multitude."

E. A. Arnold (1934).—Farming at Stealton. Ted has "fair bought an 8-ft. Sun harvester."

M. Richards (1934).—With the Police Force, and haven't heard of his first arrest.

W. B. Chaffey (1935).—Gaining experience in a winery at Merbein, Victoria.

R. G. Geddes (1935).—On a sheep station near Iron Knob.

R. L. Green (1935).—Cellar Manager for T. Hardy & Sons, Sydney.

R. C. Hay (1935).—For some time Cereal Cadet at the College. Now on a sheep property at Bungowanah, N.S.W.

J. H. Newland (1935).—On a sheep station at Lucindale.

P. F. Minhard (1935).—Has a wheat farm at Cummins.

L. T. Jacobs (1935).—Working on a mixed farm at Meadows.

M. H. Pollitt (1935).—With his father at the Co-operative Winery, Tanunda.

D. Prowse (1935).—Woolclassing in W.A.

E. C. Savage (1935).—After graduating took up a position with Penfold's at Burnside. At present Oenology Cadet at the College to gain further experience. Hopes to return to his former position. Evan is an aviation enthusiast.

R. J. Turner (1935).—Farming at Snowtown.

L. S. Sutherland (1935).—Address unknown.

S. R. KLOSE,
Hon. Secretary.