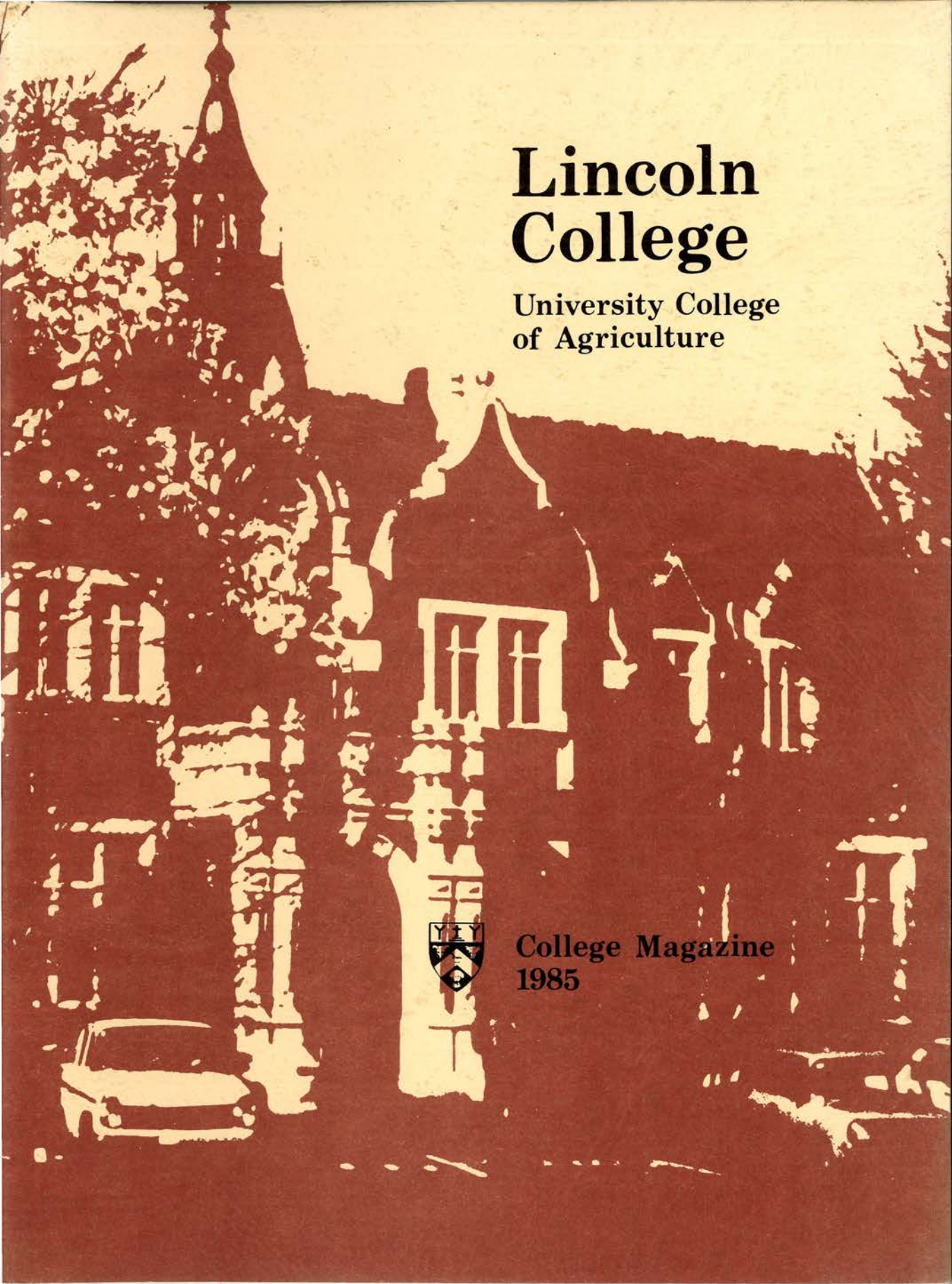


Lincoln College

University College of Agriculture

College Magazine
1985



Lincoln College

University College of Agriculture

College Magazine 1985

LINCOLN COLLEGE STUDENTS' ASSOCIATION
PRESIDENT'S REVIEW

Despite the fact that we started the year with a shortage of experienced people in the student association, this year has been a very successful one.

Orientation, using the theme "Biggles Flies Undone" proved to be a financial success. However, it also saw lower attendance levels and more disciplinary problems than in previous years. Unfortunately these were carried on to following social functions and caused some financial losses and disciplinary actions. Our lunchtime cultural events and annual cabaret proved to be more successful.

The annual capping magazine survived an attack by an alleged feminist group which destroyed and damaged T-shirts and several bundles of the magazine. In fact the publicity it created probably enhanced sales and led to us being able to donate $3,300 to three charities.

A working party has gained the appropriate recognition and is currently establishing the size of the need, possible sites, ways of funding and running a creche. This matter should be a high priority in 1986. It is important to note that Lincoln is the only university with no childcare facilities.

The running of an alcohol awareness week with the assistance of the Drug and Alcohol Dependence Centre, proved successful and could well be an annual event.

The College Counsellor assisted us with running a "coping with stress and exams" seminar.

L.C.S.A. contributed a "booklet" and organised displays and student guides for the College Open Days in September.

Various forums and speakers have been organised, including Ruth Richardson, M.P., Mike Moore, M.P., Disarmament Forum with Owen Wilkes and Doug Graham, M.P., Young People in Agriculture, Elizabeth Sutherland from SPIR and Joe Davies from HART. Regular videos and films have been shown at lunchtime on topical issues of national and international concern. Attendances have been good.

In general the clubs have had a good year. A Clubs Council has now been established to handle club grants and blues and to facilitate other events. It is good to see the Post-Grad Student Society becoming active again.

Lincoln did well at the NZ University Sports Union's Easter and Winter Tournaments despite having smaller numbers of participants.

The Student Association will have a new constitution in 1986. A total review of the old one was overdue.

The executive has been re-structured to combine some positions and to include an overseas officer and post-grad student representative. Bids to get a women's officer on exec were lost.

Our Administrative Secretary is now full-time during term time. As work output of the association continues to increase there is a lot of pressure on our personell resources.

Our fee has been raised to $55 - it has been $45 for the last couple of years.

NZUSA has worked hard on a large number of issues. However, the most time consuming would have to be Student Job Search, The Student Support Pakcage, Income and Expenditure Survey, Preview of Student Finances and Core Curriculum Review. The outcome of the Review of Student Finances will have far reaching effects for access to tertiary education. Our battles with government over summer jobs subsidies for students and general funding and staffing for Job Search make one wonder where this government's priorities and sympathies do lie - certainly not with some of their election promises and policies!

I have enjoyed my year as President for all its trials and tribulations and am happy to be re-elected for next year so that I can consolidate what has been done, see through what's been started and tackle some more issues.

I have also enjoyed my year on the College Council. I am particularly grateful to those members who have gone out of their way to assist me get to grips with my role and the issues I wanted to raise.

Kirsty Burnett

LINCOLN FAREWELLS PROFESSOR LANGER

The College Council and staff gathered at the College on March 26 to farewell Professor Reinhart Langer, Foundation Professor of Plant Science and Acting-Principal in 1984/85. Professor Langer's contribution to the College and to New Zealand agriculture has been considerable and we wish him well in his retirement.

Printed below is an edited version of the Principal's speech at the farewell function.

We are here tonight to pay tribute to more than 26 years of loyal and very distinguished service to Lincoln College by Professor Langer. He and I started at the college about the same time and we had our first lecture on the same day; the same lecture, but of course, from opposite sides of the lectern. Even on that first day he showed all those qualities for which, very soon, he was recognised as one of the best, if not the best, lecturers at Lincoln College.

His enthusiasm for his subject, his knowledge of his subject, the clarity with which he could express his knowledge of his subject, made plant physiology almost clear to a non-scientist.

Not only did he have that skill in teaching classes that I happened to be in, but he has exhibited since then the ability to teach classes of all sizes. Those of you who do teach classes of very different sizes will know that this is not easy. You adjust to teaching 250, and then you find yourself raving at 25. It's quite a psychological adjustment. Not everybody can do that. Some people can teach small classes, but can't teach large classes. Professor Langer has been superb with the large classes, and all the way down to one-to-one contact with post-graduate students. That's quite a skill.

In research he has been outstanding during his years at Lincoln College. There are dozens of books and papers which he has authored, or co-authored, edited or co-edited. Within the Plant Science Department he has led by example. To me he has been the very epitome of a Lincoln College scientist. He has worked in a laboratory; he has worked in the field. He has been good at both types of research. As a result, when he leaves, he will leave a legacy of major facilities, both at the laboratory end, in the growth cabinets, which Plant Science now has, and in the field end, in the Field Service Centre. It is no accident that the Plant Science Department has the biggest post-graduate group in the college.

He has built up the reputation of the Plant Science Department. He has been able to attract high-quality staff. So the department has been very strong.

For most academics teaching and research is enough. More than enough for some of us. Some people get bogged down in things such as administration. Professor Langer has been superb in administration. He is a wonderful committee man. He comes to a committee meeting with his homework done. He is the one who knows all the intricacies of some new complex degree structure. At Lincoln we are always revising one degree structure or another. Professor Langer has been the one who has worked out what the consequences of any change might be.

At a meeting he could enliven it with his wonderful wit and sense of humour, partly offset, I might say, by a tendency towards some dreadful puns. We can forgive that. He has a marvellous ability to draw the threads of a discussion together. Sometimes I have sat at the table in Professorial Board, or somewhere, and the discussion has rambled on. Some material has seemed completely irrelevant, and quite unstructured. Then Professor Langer has come in at the end and said" "Well. There seems to be a consensus emerging. If you do this, or if you do that it all seems quite clear." A marvellous skill, and a marvellous facility, and I have always admired that.

The amount of administration that he has been involved in as head of department, as Vice Principal, as Acting Principal has been amazing.

I am glad that his time has been crowned by 15 months as Acting Principal. In that role he has made my job both easier, and more difficult. He has been taking some decisions which will make my job easier, but he has set a standard which will be rather high to live up to.

Lincoln College professors don't just restrict their activities to the College. There are all sorts of activities outside. Here again, Professor Langer has shone. He has served on numerous committees. He served on the University Grants Committee, and did notable service there.

He has served on the executive of many learned societies in New Zealand. He was chairman of the committee which organised the 1968 ANZAAS conference in Christchurch. This was a resounding success and helped to show the Australians that such large conferences could be successfully staged here. He did an outstanding job on that committee.

The level of contribution that Professor Langer has made has been recognised by his election as a Fellow of many of these societies, such as the Royal Society, ANZAAS, the New Zealand Institute of Agricultural Science, and so on.

Professor Langer has been a worthy representative of the College in every way; as University Orator; who could forget his performance on the night of the awarding of the honorary degrees during the College Centenary? Every time he brought distinction to himself, he brought distinction to the College.

On top of all this, he is such a nice person. He is a scholar and a gentleman. I think that I have talked about his scholarly attributes, but I found a little thing last night about gentlemen, which I thought was relevant. "Be it spoken with all reverent reservation of duty, the King, who has power to make esquires, knights, baronets, barons, viscounts, earls, marquises and dukes, cannot make a gentleman, for gentility is a matter of race, and of blood, and of descent from gentlemen, noble parents and ancestors, which no kings can give to any, but such as they beget."

I hope that we have had some influence on Professor Langer too. I am sure we have, during his time here. I think he is now something of a Kiwi gentleman. And yet, having become slightly kiwified, it is strange in a way that his interests have changed from cereals and grasses to pine trees and walnuts, which is not a normal New Zealand change.

Throughout his time at the College, Professor Langer has been very ably supported in all his activities by his wife. Hilary, I can assure you there has been very great admiration for the way in which you have managed to maintain a professional career at the same time as you have provided such support for Reinhart. I think you have been pointing a way which many wives may follow, and I thank you for your contribution.

Reinhart, as a Emeritus Professor you have certain rights here on the campus, and we expect to see you on the campus from time to time. So I want to wish, on behalf of all in the college, all best wishes to you both for a long and happy retirement, and best wishes for a good trip to Europe in the next few months, but we can't say goodbye. I can't bring myself to say that; I don't think any of us want to say goodbye, so, instead, bon voyage, bon courage, and au revoir.

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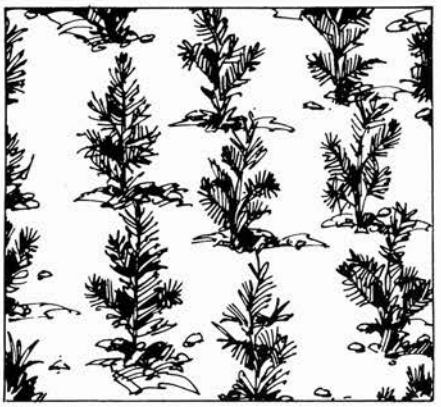
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Professor Reinhart Langer hands over the reins of the College administration to Professor Bruce Ross while Council Chairman Mr Sid Hurst Looks on.

Photo: David Hollander.

Professor Langer Looks Back

I came here in 1959 on the day when Lincoln College proudly announced that it had 334 students. When we think that another 1550 have turned up since, you get some measure of what has happened in the interval. Yet, despite the small size of the college, as an act of faith four professors were appointed: professors in animal science, plant science, soil science and agricultural economics.

Supported by a very small staff, and I do assure you it was a very small staff, these professors were entrusted to lead the advance into the future of the college. Of course, each one of us did it in his own way. Individual styles developed, as we travelled through Southland on our annual barnstorming tours, and as we addressed the farmers' conference in the refectory. The styles that we developed were epitomised by the visual impact that we had. Professor Coop could just be seen above the tall lectern that we had at the time. Professor Walker and Professor Philpott certainly couldn't be seen from above, but, dare I say it, they oozed out at the sides. As for me, I couldn't be seen at all.

What I do know of this time are, of course, the students who sat before me in the classroom. Looking at the 1959 roll the other day I came across some very notable names. I discovered the name of B.J. Ross, and also the names of J.A. Hayward, P.L. Nuthall, N.W. Taylor, N.G. Gow, R.J. Lucas, A.C.W. Whatman, on the local scene, and a little bit further away J.H. Troughton, R.J. Diprose and many others.

Looking back over these rolls, I get tremendous satisfaction because of the people who passed through my hands. These early lists also include such names as Acland, Acton-Adams, Haslam, Menzies and Wright, really solid Canterbury line-up. Also, more exotically, they contain the names of many students from overseas: Malaysia, Sarawak, Kenya, Nigeria, Thailand, Pakistan, England, the United States - a whole host of countries. This is what made life rich and interesting and rewarding.

But enough of early memories - there is nothing more tiresome than an old man reminescing - here we are, some 300 professorial boards later, after thousands of meetings of faculty, standing committee, library committee, research committee, appointment and staffing committees, council and a whole host of other committees, often set up for ad hoc, ad lib and ad nauseum purposes. Untold hours of debate and argument, and even more hours of preparation and summation. Outside the college there was University Grants Committee, the Wheat Research Committee, and many other bodies.

But, more appropriate to measure the passage of time is to think of the thousands of hours of lectures delivered, laboratories supervised, and field trips attended, or to think of the hundreds of students of diploma and degree level who passed through my hands.

On a more personal side I can think of some 40 masters or Ph.D. students, each one the outcome of a very close and intellectual relationship, but now silently standing in the shape of theses on the bookshelf, occupying a metre or so. If you add to this the books and research papers which my colleagues and I have managed to produce, you have some measure, then, of 26 years of activity.

I think the measure that I like best, which I calculated the other day when the Plant Science Department was good enough to give me a send-off, is that during my years in that department I had something like 250 years - combined years - of collaboration with people I liked to work with, and whom I will remember. The last 15 months, I suppose, is the period that you are most interested in, and this has been a challenging and stimulating experience, even though the precise definition of what an Acting Principal actually was provided some difficulties at the beginning. The question was: for whom was I supposed to be acting? Surely it wasn't possible or desirable to act for Professor Ross, who was far away with his mind on other matters. Hence, I assumed that my title conveyed that I was expected to be acting as a Principal, trusted by the Council to steer the College for a limited period, until Professor Ross was able to assume his office.

Now the time has come to leave, and to hand over to Professor Ross. I am sure that his youthful enthusiasm and resourcefulness will guide the college safely in the years to come.

If he is at all concerned during the first few days that he has been here that it looks rather complicated, perhaps I ought to remind him that we have it on very good authority, in the Bible, where it says: "better is the end of the thing than the beginning thereof."

I am glad that Council has allowed me to retire. For, in the words of Horace: "Dismiss the old horse in good time lest he fail in the lists and the spectators laugh."

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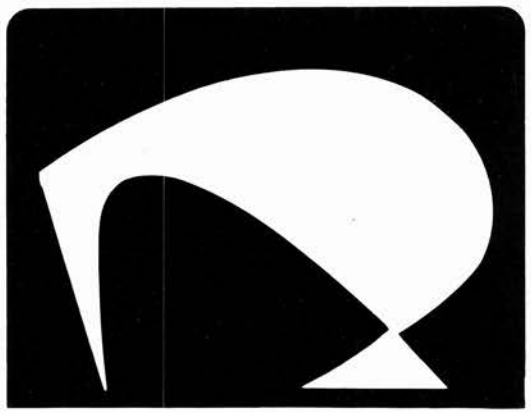
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AROUND THE DEPARTMENTS

HORTICULTURE, LANDSCAPE & PARKS

The number of students who will graduate in 1986 are similar to those in 1985 although the number of degrees will be slightly down on the record number in 1985.

Rupert Tipples was away for nine months on sabbatical at Wye College, University of London. He worked on a biography of A.F. Buxton an early New Zealand nurseryman who came originally from Britain. He prepared a conference paper on the history of industrial relations of the New Zealand primary industry, and collaborated in a study of the Dutch pot plant industry.

John Taylor was invited to give a paper at a Guayule Conference at the University of Arizona, Tucson. He also attended the primary marketing association exposition as a guest of the New Zealand Kiwifruit Authority.

David Jackson was also invited to the States where he gave papers at the 1985 Pacific Northwest Grape Course at Pasco, Washington State. He also visited Oregon State University and Canadian grape growing districts.

Simon Swaffield spent five weeks as a visiting guest lecturer at Nova Scotia College of Art and Design in January 1985.

Lesley Edge who has been typist in the department for six years resigned to train as an air hostess. She was selected out of a large number of candidates and has been successful in her preliminary training programme. She has been replaced by Helen Islip.

Husbandry and Management

Major discussion took place this year on the establishment of a horticultural option in the Lincoln Commerce degrees. As a consequence a separate stream is now available which will allow a person to qualify B.Com.Hort. Within this degree, by selection of appropriate subjects, a student will be able to gain professional registration as an accountant, valuer or horticultural consultant.

In research some interesting new trials have appeared at the Horticultural Research Area. 1985 saw the establishment of hazelnut and walnut variety evaluation trials being done in collaboration with the New Zealand Tree Crops Association. The Canterbury Growers Association funded the establishment of a coppice to recognise the services to the industry of Bill Braddenburg of MAF. Bill has planned and is supervising the coppice development. A cherry protection system is being established in conjunction with Tunnelworld Ltd. This includes plastic covers that are placed over the trees towards harvest to prevent splitting which can cause major losses in this high-value export crop.

Steve Elder resigned as Manager of the Horticultural Research Area and his place has been taken by Noel Hickland, an "old student" and ex-vegetable grower. Steve is beginning his own orchard at Ohoka.

At the nursery Mike Lloyd resigned to go to University and his place has been taken by Brent Richards.

Penny Hicks joined the Department of replace Christine Blance as Tutor in Management. Penny was a B.Agr.Com. (horticulture alternative) student graduating in 1985. Suranant Subhadrabandhu from Thailand who did a masterate at Lincoln in the 1960's and is now Professor of Horticulture at Kasetsart University, Thailand, visited the Department during the year.

Landscape Architecture

1985 has been a busy year. Landscape Architecture student numbers have again increased with 15 post-graduate enrolments into the first year of the programme, and 14 students graduating. The staff also continue to teach extensively to other courses - Dip. P&R, Dip.Hort., B.Hort.Sc., and, from 1986, Diploma in Parks and Garden Technology.

Visitors to the Section included Hon. Russell Marshall, Simon Upton M.P., and Mr Ross Jackson, President of NZILA. Mr Allan Ruff, University of Manchester, spent a month at the College, giving seminars on the ecological approach to landscape design and also prepared a report for the

Principal on the future directions of Landscape Architecture at Lincoln. Professor Paul Shepherd, author of a number of books on perception and environmentalism, was invited to New Zealand by the College, and gave a series of very well attended seminars in June. There was a successful field trip to Auckland, including a day at Auckland University, undertaking a landscape planning project.

Unfortunately, this activity has been matched by a high staff turnover. We began the year with only two permanent lecturers. John Tierney joined us from Britain as a Visiting Lecturer for a year, and Anna Scott as a Technician. Mary-Anne Robinson resigned in mid year, and will be leaving for an overland trek in January.

Looking to the future, however, Simon Swaffield has been appointed Senior Lecturer and Head of the Landscape Section, Mike Barthelmeh, formerly of Waimariri District Council, has been appointed Senior Tutor, and two further lecturing appointments have been made. Government re-organisation of environmental administration, the continued growth of the landscape profession in New Zealand, and the growing environmental and landscape awareness in the community at large, suggests both a need and great potential for the future development of the discipline at Lincoln.

Parks and Recreation

The major news item affecting all Dip.P&R students and graduates is the pending Bachelor of Parks and Recreation Management. The proposed Degree has been accepted by Professorial Board and as of February 1986 will be presented to the Lincoln College Council and the University of Canterbury Professorial Board and Council as part of the process leading to its consideration by the University Grants Committee. It includes an important first for New Zealand in an option providing a qualification in tourism.

1985 has been a busy year in parks and recreation and 1986 will be no less exciting. Expected student numbers will be around 230 and a staff of five (now all residing in the Agricultural Engineering building) will have its own Head of Section to work together with Professor Rowe under the umbrella Department of Horticulture, Landscape and Parks.

Park Ranger Option

The 'final' Block Course (Landscape) for already-employed rangers was conducted in November/December 1985. Notwithstanding the 'final' nature of this course, it is likely that further courses will be required as sections of the Department of Lands and Survey, and New Zealand Forest Service join forces to become the Department of Conservation. Pre-training needs for this Department which will include a variety of management areas in which Lincoln has established expertise and experience.

It is interesting to speculate on the ways in which the College will respond to such a challenge. Student numbers in "short courses" do not quality for U.G.C. funding and must therefore be self-supporting. This has generally meant that short-course teaching contributions have been over and above staff commitment to their full-time roles. Should Lincoln see re-training and continuing education as an integral part of its diploma and degree programmes then new and innovative approaches and structures will need to be evolved.

Graduating students continue to find work but 1987, the graduating year for the first of the big classes will really test the job market. Vigorous liaison with potential employers has continued during 1985, and has been aided through staff visitation to second year students on practical placements.

The Local Authority Option

After 14 years on the College staff John Taylor retires on 27 March. John was the first lecturer appointed when the Diploma in Parks and Recreation Administration (as first known) was launched in 1972. His early discipline was Amenity Horticulture and he maintained this interest by taking lectures in this subject at both Diploma and Degree level as well as lecturing in areas of Administration and Management for Parks and Recreation.

A new member of the staff is Clare Simpson and a Head of Section, Dr G Cushman, will be taking up this position in September.

Recreation Programmes Option (formerly Community Recreation)

Of the 85 students enrolled for the 1986 year some 32 have expressed initial interest in urban-based vocations. Again students entered the course from wide ranging backgrounds such as teacher training, home



The Exodus from Ivey Hall.

science, management, the building industry, commerce and other sectors of the tertiary education field.

The fourteen old regulation students who completed the diploma in community recreation were readily absorbed by traditional markets but with an increased number finding their way into commercial recreation. Job opportunities are excellent with some 53 positions having been advertised throughout 1985.

RURAL DEVELOPMENT & EXTENSION CENTRE

For the past two years I have included a note in this "R.D.E.C. Report" about our occupancy of Ivey Hall. Our time has now come. It seems this will be the last report of any sort that I write from my desk in this most pleasant study in Ivey Hall. On 16 December 1985 we move temporarily to what older readers will know as the Wheat Research Building. This will clear the way for Ivey Hall to be converted to a Library.

By 1984 standards, 1985 has been a stable year, we have had no staff changes nor have any staff been on leave. So what has stood out in my memory?

Firstly visitors. The College seems to be a focal point for an increasing number of prestigious overseas visitors. R.D.E.C. is in the front line organising the programmes for the many who come here. This year's highlights include the President of Ireland, the Chinese Minister of Textile Industries, Saudi Arabian Agricultural Trade Mission, Brunei Ministry of Foreign Affairs and over 2000 local people who attended the 1985 Lincoln Open Days, plus many others.

Secondly students. It has been a good teaching year. Graham Tate continues to be heavily involved with Parks and Recreation courses [over 200 students in 1985]. The Rural Development and Extension course continues to attract lively students, so it's not surprising that many of them go on to what seem to me to be the "glamour jobs" - e.g. Lelsey McLachlan [class of '78] working for Trade and Industry and accompanying the Chinese Textile delegation as interpreter. The presence in the 1985 class of the son of a former class member [Who could ever forget Monty Monteith!] was disconcerting to say the least. Is it really 25 years ago?

John Fenwick continues to keep out in front with the new "technologies of learning". In his Distance Education Service for pre-entry students he is experimenting with teleconferencing and may be foreshadowing the day when much of the on-campus learning can be done in study centres say in Southland and Hawkes Bay.

Cereal 85 [the successor to Don Crabb and Jim Malcolm's very successful Wheat 83/84 Series] is prospering and the field days on the site took place last week in a totally unseasonal sea of mud [will Paddock A9 (N3 to those over 60) ever be the same again?].

A final memory is of schools, the end of U.E. as we used to know it, apparently never ending course reviews at Lincoln and a year marked by a continued buoyant demand for our graduates. R.D.E.C. staff get heavily involved in all the above activities and this year seems to have been one of even more changes than usual. We are in the process of rethinking our entry standards. We hope 1985 has seen the completion of B.Com.[Ag.] degree revision but know that in 1986 there is still B.Agr.Sc. revision to complete.

One other thought: almost all the news you pick up in the media about Lincoln comes in the first instance from the typewriter of College Journalist James Homes - a very productive and quixotic character who has his base in R.D.E.C. and turns out literally hundreds of stories each year.

Any regrets about 1985? Yes. Neither R.D.E.C. nor the College generally have given much leadership to a rural community under more strain than we have known for 40 years. I suspect you can't double the roll of an institution in ten years yet only increase staff by 25% and expect the same service to the wider community as we gave say in the 1960s.

WOOL SCIENCE

Wool courses and subjects in 1985 attracted total student numbers in excess of previous years and teaching staff were fully committed, some practical and laboratory sessions often being conducted under maximum constraints of available space. With the continued co-operation of the Wool Research Organisation of N.Z., honours, post-graduate and Diploma in Wool Technology students were able to use the excellent facilities of WRONZ to fill their research and project requirements.



Mr Jack Simpson explains aspects of New Zealand wool production to Chinese VIP's.

The Department's two main thrusts in the area of research were the continuing study of staple strength and the refinement of the technique developed for predicting yellow discolouration in the fleece. Both were reported to international conferences during the year. The first results of the study on the processing significance of stable strength variation in Romcross ewes were presented by Professor Don Ross at the International Wool Textile Organisation Conference in Tokyo, while the predictive test for fleece yellowness, developed in the Department and now used by stud breeders, was the subject of a paper presented by Bruce Tinnock at the Regional Meeting on Wool Science and Technology at Montevideo. Wool samples brought back from South America under special licence were found, as expected, to react to the incubation technique in the same way as New Zealand and Australian wools previously tested.

Extension activities continued throughout the year. In addition to short courses conducted at the College for fine wool breeders and handspinners and weavers, invitations from producer organisations and Government departments resulted in staff participation in a wide range of activities, from a Mohair field day in Northland to a Merino field day in Otago.

The Wool Measurement Service had its busiest year to date, having tested in excess of 7,000 samples from over 100 breeders. This necessitated the employment of two more part-time staff. The samples were predominantly from stud Merino and other fine wool flocks but there is an increasing demand for yield, bulk and fibre diameter tests from flocks other than fine wool. The Service tested samples from Merino wether trials conducted by breeders in both Central Otago and Marlborough.

PLANT SCIENCE

The most important happening in the Department this year has been the appointment of Dr Roger Field to the Chair of Plant Science. Roger joined the Department in 1970 as a fresh Ph.D. graduate from Hull, England. He quickly made his mark as a first-class lecturer, energetic researcher and good administrator.

His early basic training in plant physiology stood him in good stead when he moved into work on the effects of growth regulators on crop plants, and herbicide translocation in weeds. Roger has become a key person in the Department in the area of weeds and weed biology, and takes courses in plant protection at both degree and diploma level. His work on growth regulators is highly regarded and he has recently attracted several large research contracts on this topic. Over the years a large number of Honours, Masters and Ph.D. students have worked under him. As Professor of Plant Science, Roger will be in a position to provide further leadership and drive, not only in his own areas of interest, but in the Department as a whole.

Bruce McKenzie commences with the Department in 1986 as Lecturer to teach new Plant Science courses in agricultural commerce. Originally from Pennsylvania, U.S.A., Bruce has been with us for three years studying for a Ph.D. degree on lentils, a new grain legume for dryland conditions.

Martin Foreman, a post-doctoral Fellow from the University of North Wales, Bangor, arrived early in the year to work on growth regulators with Roger Field.

Although retired from the position of Acting Principal, as well as Professor of Plant Science, we still see Professor Langer occasionally as he urges us on to produce a new edition of "Pastures and Pasture Plants".

Nick Gallagher left us in May to Join the Ministry of Agriculture but had a severe illness soon after, and is now recovering in Britain with his parents.

Sue Goodman left at the end of the year to join the Centre for Biometrics and Computing at Lincoln College.

Our most-travelled member of staff, Michael Smetham, spent Refresher Leave studying subterranean clover with the N.S.W. Department of Agriculture at Wagga Wagga. While there he took time off to visit Japan and present a paper on white clover at the International Grassland Congress.

Aldo Fautrier was invited to Bangkok, Thailand in November to present a paper at the South-east Asian Plant Breeding Conference.

Warwick Scott continued to lead the early measurement and predictions in the Cereals '85 Competition and has become a very familiar figure to wheat growers and to T.V. viewers. Next season, when the competition goes to Southland, Warwick is planning a long fishing trip somewhere down there!

The Department seems to have become a great breeding ground for unionists, all of whom have served the College very well! Brian Smith has followed Gerry Meijer as Chairman of the Technicians Union with annual trips to Wellington, while Bernie Mangan has also travelled north as a P.S.A. representative. George Hill does however eclipse them all in travelling, both in his Naval Reserve duties and as the incoming National President of the Association of University Teachers for 1986.

During the year eight Ph.D's (Bruce Allan, Amnuay Yothasiri, Hatim Attiya, John Hay, Musharef Husain, A.M.A. Kamal, Santosh Roy and M.A. Sadeque) plus four Masters (A. McLeod, D.R. Stevens, J. Baird and O. Romero-Yabez) completed their theses.

AGRICULTURAL ENGINEERING

1985 has been a year of significant change in staff and building occupation.

Ray Comfort has retired from the position of technican in the V.P.M. drawing office and has been replaced by Bruce McCormick.

It is very sad to report the death of Tom Gifford, technical officer, who had a major involvement with surveying for about seventeen years in the Department. Lubosh Mlcoch, an agricultural engineer from Czechoslovakia, is the new technician to assist Ian Calvert with surveying, etc.

Architect Graeme Robertson, after six years of enthusiastic teaching of building construction to B.Com.(V.P.M.) has moved to the School of Architecture, Auckland, and his replacement is a quantity surveyor, Des Maslen.

William Atkinson has resigned, and is to apply his agricultural engineering skills to property in Auckland.

Mrs Helen Richards, our Department secretary, replaced Mrs Pat Stroud, who also moved to Auckland.

Larry Bellamy has recently been appointed assistant research officer to test and develop the Lincoln 'M' Greenhouse. This follows the financial support from Lincoln College for a two-year research programme guided by Prof. Ward, who returned at the end of 1984 from six months study leave in Europe.

In July Neil Cherry left for seven months study leave at Davis, California. Tim Davies is in Switzerland at ETH-Zurich, studying debris flows until mid-1986.

Ma Shenghong, an Inner Mongolian mechanical engineer spent two years here researching wind pump systems and returned home in 1985. He had previously met Dick Chilcott in China at a workshop on waterlifting devices.

Projects by our final year Engineering students included a small 6 ha travelling irrigator, which was designed, developed and built in co-operation with an irrigation company. Another student designed and built a model of mechanism to simplify the attachment of dual wheels to tractors. Paul Hemmingway, visiting lecturer from Harper Adams, England, initiated a project measuring tyre deflection while in motion using ultrasonics. Other projects involved investigation of silting in corrugated plastic drainage pipe, computer correlation between rainfall and groundwater levels in Canterbury, artificial shelter and development of a hydraulic trainer.

Dave Painter and students have been involved in hydraulic model studies: Denil fish pass and labryinth weir. The number of postgraduate students has increased in recent years and there may be more than a dozen in 1986, about half of them working towards Ph.D.

The move of the N.Z.A.E.I. into their new separate buildings resulted in many unoccupied rooms for much of 1985, and a very quiet staffroom. The redevelopment of the Demonstration Theatre to a lecture room standard has been most welcomed.

AG. ECONOMICS RESEARCH UNIT

Significant changes have occurred within the AERU over the past year to so. During 1984, Dr Peter Chudleigh resigned from his position as Director of the AERU.

Dr Ralph Lattimore was appointed Director with effect from 1 November 1984 and at the same time Ron Sheppard was appointed as Assistant Director. At the end of 1984, Tony Beck, a senior research economist with the AERU, completed his Ph.D. and resigned from the Unit to take up a position with the Bureau of Agricultural Economics in Canberra, Australia.

Both Peter Chudleigh and Tony Beck made major contributions to the AERU through their research programmes and their administration of the Unit.

As would be expected, the departure of two of the senior people in the AERU and the appointment of a new Director resulted in some changes in AERU direction. Increased emphasis has been placed upon the relationship between the AERU and the Agricultural Economics and Marketing Department and the Farm Management and Rural Valuation Department. There has as a result been an increase in the number of projects handled jointly by the Unit and one or other of the Departments.
Agricultural policy issues have received increased attention as a result of Dr Lattimore's interest in this field.

The increased emphasis on policy work is reflected in the range of new projects undertaken with general studies of agricultural policy, evaluation of agricultural product price formation processes and studies of international dairy policies with the United States Department of Agriculture being commenced. The surveys of Town Milk and wheat growing farmers have continued as has the Farm Opinion Survey. Work on aspects relating to farm finance has been continued by John Pryde while studies of the effect of dust on agricultural and horticultural production have been completed. Projects on behalf of DSIR Divisions have been undertaken on a range of issues and Dr John Fairweather has continuned his sociological research through contracts with the Social Sciences Research Fund and the Department of Lands and Survey. A major AERU project on behalf of the Rural Bank has been the analysis of the Livestock Incentive Scheme and the Land Development Encouragement Loan Scheme. A range of smaller projects on other issues have also been undertaken.

Other research staff movements during 1985 included the resignations of Ms S E Guthrie, Ms S A Hughes, Ms N L Taylor, Mr J P Rathbun, Mr L Bain and Mr P R McCrae (all assistant research economists). Dr E A Attwood, the Chief Economist with the Economic Unit of the Irish Department of Agriculture was with the AERU for a year up to March 1985 as a Visiting Research Fellow. Mr C K G Darkey completed his post-graduate fellowship.

Research staff joining the AERU during 1985 were Mrs S K Martin (Research Economist), Mr T P Grundy, Mr J E Chamberlain, Ms S Scanlan and Ms C Tait (Assistant Research Economists).

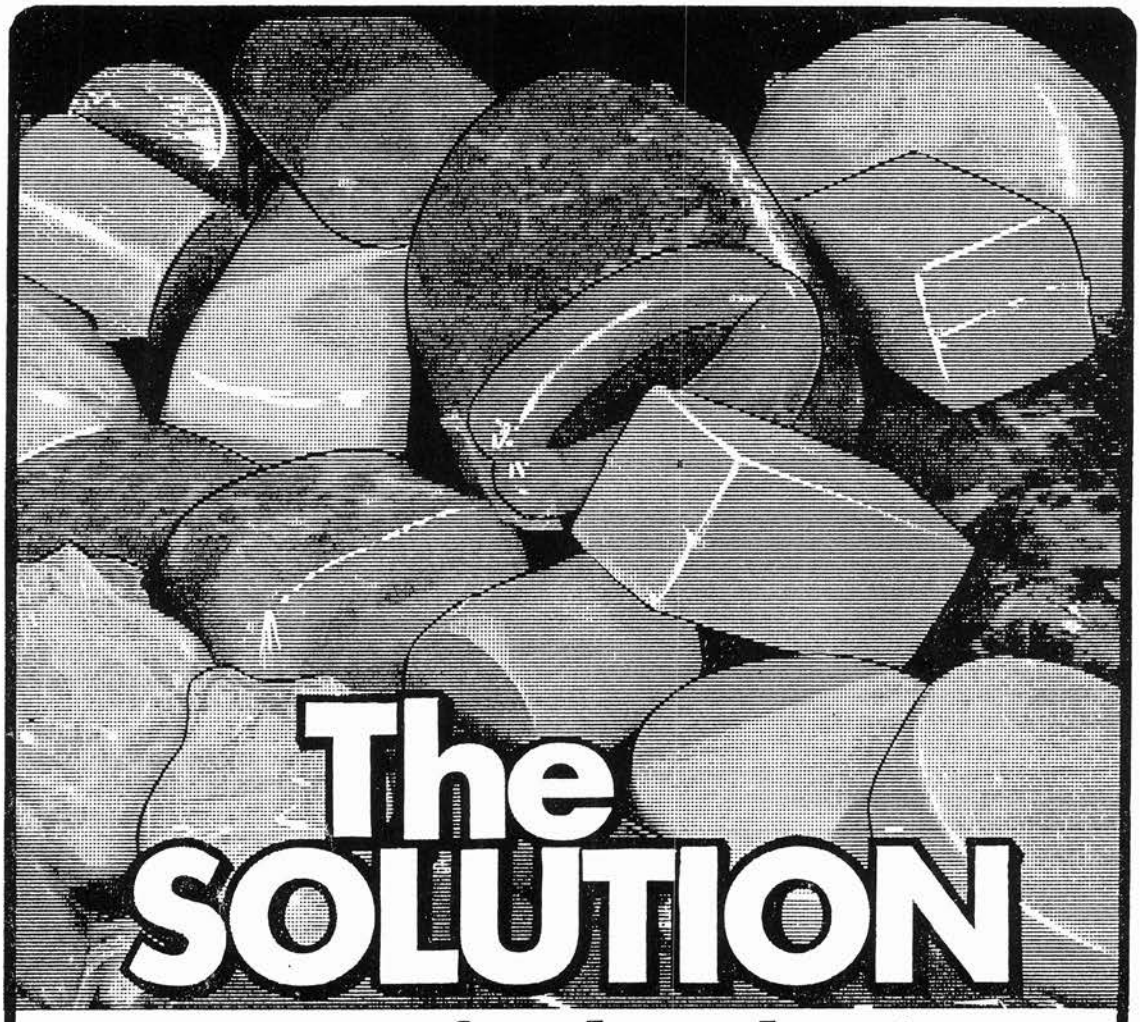
Miss G McNicol and later Mrs F Yarrall, secretary and part-time secretary respectively resigned from the AERU during the year. They were replaced by Mrs R Searle and Mrs L Bellamy as secretary and part time secretary respectively.

Two staff members, Ms D E Fowler and Mrs G Greer, took maternity leave during 1985. Both have now had their babies. We congratulate Dianne Fowler and Lance Smith on the birth of their son and Glen and John Greer on the birth of their daughter.

AGRICULTURAL MICROBIOLOGY

This year has seen the greatest number of Ph.D. students ever submitting theses in Agricultural Microbiology at Lincoln College. All those who presented theses successfully gained their degrees. Dr B Pyle (Water Bacteriology) was offered a Post-Doctoral Fellowship by his external examiner and is now at Montana University. Dr Chan Kit Yok (Margaret) investigated Aphanomyces Root Rot of Peas; she is at present in Brisbane, Australia. Dr M J Cole an American citizen worked on crop loss assessment; he has returned to U.S.A. Dr R Balasubramanian a Sri Lankan student who studied the effect of foliar diseases on yield is in New Zealand.

Their places have been taken by seven new students who are working on virology, mycology, sanitary microbiology and insect pathologyk this latter field of investigation, opened up by Dr Noonan, has attracted two Ph.D. students who are working on aspects of biological control of insect pests



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Dr Stucki was a Post-Doctoral Fellow and left us for Cornell University. He has been replaced by Dr T. Riesen who also comes from Switzerland. His research is into the effect of fungicides on the organisms that occur in and on the leaves of cereals either as pathogens or as epiphytes.

Dr Gaunt is on leave and returns in May 1986. He is working with Dr P S Teng, University of Minnesota, a former student of Lincoln College who did his undergraduate degree, here and later returned and completed his Ph.D. in 1978.

The 5th Australasian Plant Pathology Conference in Auckland was an important scientific event that attracted more than 200 registrants. Papers were given by four of our students and Drs Close and Gaunt also contributed. Professor Mulcock who is currently President of the New Zealand Microbiological Society chaired a joint session of the Microbiological Society and the New Zealand Committee for Water Pollution Research and Control at a meeting at Massey University in May. He, Dr Noonan and Dr Pyle presented papers at this meeting.

The New Zealand Committee for Water Pollution Research and Control is now centred on Lincoln College. Professor Mulcock is the Chairman and Dr Noonan the Secretary.

An important overseas visitor to the Department was Professor R K S Wood, Professor of Plant Pathology at the Imperial College, London. Professor Wood and his wife were in the area for a week; he gave several seminars and had informal discussions with staff and students.

CENTRE FOR RESOURCE MANAGEMENT

Since the merger of the Joint Centre for Environmental Sciences and the Tussock Grasslands and Mountain Lands Institute to form C.R.M., great strides have been made to gel the staff and work of the two bodies into a cohesive one; this despite the obvious disadvantage of offices at both Ilam and Lincoln College.

The year saw the departure of one of McCaskill's men - Graham Dunbar, who retired in April and immediately embarked on a consulting visit to Bhutan. At Graham's farewell luncheon were John Hercus, who worked with Graham at Department of Agriculture and David McLeod, an early member of the TGMLI Committee of Management.

On August 8, Lance McCaskill the first Director of TGMLI died after a short illness (see obituaries).

Students enrolled for the postgraduate Masters Course in Resource Management numbered 24, Diploma in Natural Resources 5, Masters Applied Science 6 and 10 Ph.Ds.

Of the latter, Nilo Covacevich from Chile is studying environmental selection of pasture species in high country; Peter Espie, soil-plant relationships in Craigieburn and related soils; Philippe Gerbeaux from France, the ecology of aquatic plants in Lake Ellesmere; Ian Stewart, an approach to characterising and assessing the value to man of wild nature resources; Reinhard Pauls from Switzerland, policy and decision making in resource management and Helen Redshaw from Edinburgh, an integration of the economic and ecological principles of weed management.

Ken Ackley, who joined the staff of the Joint Centre in 1973, retired at the end of 1985.

On the research front, work on energy and strategic materials continues with James Baines, Bill Baker and Jan Wright, alongside a wide ranging list of projects including research on the economics of rabbit control, nassella tussock, Canada geese, irrigation, the economics of Mt Cook National Park and Waitaki water resource allocation.

A full account is published in "An Account of Activities 1984/85".

On the extension front the Centre again organized a Hill and High Country Seminar in July in conjunction with the Lincoln College Farmers' Conference. Centre staff were also involved in a continuing education course for staff of the Department of Lands and Survey, and offered a course in issues in resources management organized through the Department of Extension Studies, University of Canterbury.

The Centre is also compiling material for a history of the wild rabbit in New Zealand. Any old student with a tale to tell about rabbits should contact the Information Officer.



Mr Graham Dunbar chatting with Lance McCaskill at Graham's farewell function.

SOIL SCIENCE

This year has seen a considerable turnover of staff. Dr Rob Kemp joined us in July to replace Eddie Cutler who retired earlier in the year after 18 years teaching pedology at Lincoln and the University of Canterbury. Rob is a University of London graduate with soils experience in Canada and S.E. England. Scott Black is returning to Australia to the Riverina College of Advanced Education at Wagga Wagga, while Jeff Reid is joining the MAF in Palmerston North. Replacement staff for Scott and Jeff have yet to be appointed.

Professor Roger Swift hosted a meeting in March of the Board of the International Humic Substances Society of which he is the vice-president. Following Professor Langer's retirement, he was appointed Vice Principal of Lincoln College.

Alistair Campbell presented a paper, co-authored with Eddie Cutler at a NATO Advanced Study Institute Conference on "Iron in Soils and Clay Minerals" in Germany in July. Phil Tonkin is currently President of the N.Z. Society of Soil Science. He was further honoured by the society by being awarded the 1985 Morice Fieldes Award for the best Ph.D. thesis in Soil Science submitted during 1984. Phil has been appointed to the joint Lands and Survey Department/Forest Service Protected Areas Scientific Advisory Committee, set up to advise Government on scientific and ecological reserves throughout N.Z.

Research continues strongly, with 14 post-graduate students of whom two (Sev Magat and Ian Phillips) completed Ph.D. degrees this year. Amongst research contracts obtained there have been grants to study nutrient leaching losses in soils, trace element deficiencies in Southland pastures, and volatilisation losses from nitrogen fertilisers.

ENTOMOLOGY

This has been a year of change for the Department. Almost two years had elapsed since the death of Professor Williams before Dr David Penman was appointed to the Chair in Entomology. With that position went the Head of Department so Dr Rowan Emberson relinquished his "acting" role. The Department is extremely grateful for the aplomb with which Rowan guided us through some difficult times. Now we are looking ahead to fill a position in applied ecology to strengthen developing areas in the Parks and Recreation courses and provide new skills in Science courses. In the future we will become even more closely associated with ecological developments.

Other staffing changes have also occurred. Jane Ensor, our secretary of several years, left on a sojourn bicycle touring in Australia. Sue Trotter then moved from Farm Management to fill that position. We have had Wes Bycroft, a visiting school teacher from Auckland, in the Department, developing teaching resource material for horticulture in high schools. Dr Karen Armstrong joined us from Imperial College, London, on a three year Post-doctoral Fellowship to investigate insecticide resistance mechanisms in leafrollers. Mike Bowie has gained a Commonwealth Study Award for technicians and will spend a year in Southampton gaining experience in pesticide work. Dr Eric Scott has taken over as Treasurer of the Entomological Society of New Zealand so we are kept well abreast of interest rate developments!

We continue with an active post-graduate student programme with two students completing Ph.D.s : Andrew Tomkins finished work on leafrollers in apples and joined the MAF in Ruakura; A B Siddique has returned to Bangladesh after successfully completing work on a predatory bug in lucerne. Other projects continue on strawberries, lucerne, stonefruit and on spider mite control.

A new revised edition of the textbook "New Zealand Pest and Beneficial Insects" has been published under the editorship of Eric Scott. The book is proving most useful in many areas of our teaching.

The Department has continued with insect collecting trips visiting the Cobb River area in North West Nelson and the Marlborough Sounds. Additional expeditions were mounted to such places as Fox Glacier. The Departmental museum continues to gain much useful material and stature from these trips.

THE KELLOG FARM MANAGEMENT UNIT

The fifth year of the Kellog Farm Management Unit has seen a very marked increase

in the interest expressed in micro-computers as on-farm management aids. The work of the previous four years has clearly had a major impact. Many producers who would previously have questioned whether a computer could ever be a useful tool are now seeking detailed information. For a significant number their interest has culminated in the purchase of a management aid computer. While it is not yet possible to provide factual evidence of the increased profit associated with micros, surveys indicate most investors believe costs have been more than covered.

Throughout the year the general form of the extension and software development and support work started in earlier years has continued though the extension and software support activity has increased at the expense of new developments. This is to be expected given the rise in general interest and the numbers of computer users. As recent years have seen this continuously growing interest, it is of some importance to consider how far the computer will eventually extend. Many would argue that it will become an essential tool for all managers even though the uptake rate may be less certain. This situation must mean there is a lasting and important role for the Kellogg Farm Management Unit.

The staff base of the group has remained stable throughout the year. The only movement has been in the Government supported employees, these being six month terms. This employment scheme is now being reduced and consequently staff numbers have been lower than in previous years. Despite this, work output has been effective and reflects the growing body of expertise and experience within the Unit. The streamlining of administrative and record keeping procedures as well as their computerisation has assisted in ensuring as much time as possible is spent on development activities.

The new computer packages released last year (the Livestock Recording and Production Recording systems) continue to be improved and the most popular package, the Financial Recording System, has had many updates to enhance its capabilities and operational efficiency. Manuals have also been updated.

A recent new release has been the Financial Budgeting system, a package which creates an annual forecast budget and subsequently converts this to a monthly cash flow. This cashflow can be directly used by the financial package for analysing cash results. The other major software development effort has been a series of programs to enable data captured from electronic devices (e.g. scales) to be integrated into the animal data base used by the Livestock Recording System. This package is currently at the testing stage. On the system configuration side, a series of modules for copying and setting up computer disks for forwarding to users is also at the testing stage. Clearly, program testing is a major activity and has spawned the idea of locally based farmer test sites to provide realistic test conditions.

The pattern of two-day introductory workshops held during student vacations continues. Some would be participants have had to be transferred to future workshops indicating the courses are just as popular as when they were first started. The first advanced specialist workshop on financial recording was also held recently and proved to be extremely successful. This should be the forerunner of many more advanced courses, particularly as it is becoming clear that management education is equally, if not more, important than computer training itself. The two aspects certainly form an integrated whole.

The quarterly newsletter continues to be distributed to an increasing number of producers. This medium has been used to obtain the names of computer owners interested in forming a register of people prepared to help others. The newsletter is also useful for informing producers when software updates are available. An increasing number of users are also joining the software maintenance support system now being offered.

On the facilities side new offices have been created for the Unit thus enabling most members to be located together. New computer equipment has also been donated, and purchased, thus ensuring available computer time is not a bottleneck. Disk copying machinery allowing a wide range of computer types to be supplied has also been acquired. In addition software facilities have been enhanced with additional wordprocessor and compiler packages.

The agency network previously set up has been expanded and it is anticipated this will be further developed in the

immediate future. A major highlight of the year's activities was the visit of Dr G King, the W K Kellogg Foundation's Program Director who is responsible for the Kellogg Farm Management Unit. The Unit staff were most appreciative of the time Dr King spent reviewing their activities. Of crucial significance were the discussions Dr King held on the possibility of a 'dissemination phase' grant over a two year span. After proposals were forwarded to the Foundation in Battle Creek, Michigan, a grant of US$150,800 was approved. This commenced in August 1985 and will undoubtedly ensure the last five years' work is widely disseminated, and that the Unit becomes a viable self supporting group with a major contribution to make to the advancement of primary production in the region serviced.

FARM MANAGEMENT & RURAL VALUATION

Our association with the Rural Banking and Finance Corporation, in which an appraiser joins our academic staff for a period, continued in 1985 with Chris Tyerman joining us for the whole year. This arrangement with the RBFC has been extremely valuable, but it will cease at the end of 1985 as planned.

Graeme Rennie was responsible for our input at the Fiji College of Agriculture in 1984 and then joined Gallaghers. Staffing pressure meant that it was not possible to send a Departmental lecturer to Fiji, so Bill Lee stepped into the breach for us and spent a taxing but useful year in Suva.

During the year we said goodbye to Stewart Nattrass who had been with us for only 18 months: he joined Southpac and is enjoying working in the 'money-market'.

Three new appointments have been made to the teaching staff during the year: Sally Anne Williamson joined us from the MAF and although she is a Massey Graduate has strong Canterbury roots; Stephen Binnie stepped into the place left by Wilson Penman and the valuation group have benefitted from his experience in the Valuation Department; Peter McCrea replaced Stewart Nattrass by stepping across to the Department from his previous job in the Agricultural Economics Research Unit.

One of the major efforts in 1985 related to the development of the Commerce degrees at the College. The Department played a central role in this and from 1986 have key responsibility for three degree streams: the B.Com.(Ag.) in Farm Management and Rural Valuation; the B.Com.(Ag.) with special emphasis on finance and accounting; and the B.Com.(VPM) which reflects our interests in urban valuation and urban property management. The New Zealand Society of Accountants has now recognised the Lincoln B.Com. as a qualification for full entry status of the Society. Recognition requires a Lincoln B.Com. including specified accounting and finance papers. This is a major step for the College and we hope it will prove a valuable contribution to farming and the agricultural industry. The final stages of planning the new degree structure has been materially assisted by the presence of Professor Roger Juchau who joined us as foundation Professor in Finance and Accounting early in 1985.

The Farm Advisory Service had to go through a reorganisation following the retirement of Derek Ower. Derek's long association with the College was only partially broken in 1985 as he continues to work part-time on Property Management Service matters. However, his main responsibilities of managing the day to day operation of the Farm Advisory Service and co-ordinating supervisors of the College farms, have been taken over by Allan Bilbrough and Tony Whatman respectively. Departmental staff continue to take responsibility for supervision of the College farms: Rod Plank for Ashley Dene; Gerald Frengley for Lyndhurst; Stewart Pittaway for the Dairy Farm; Tony Whatman for the Mixed Cropping Farm; Adam Spiers for Hunua; Allan Bilbrough for the Research Farm and Sheep Breeding Unit; and Keith McIntosh for Lincoln Springs.

There has been a good deal of overseas travel by Departmental staff during the year. Roger Juchau gave a series of professional development courses in Kuala Lumpur, Singapore and Hong Kong. Tom Marks attended the Harvard Valuation Congress on computer applications and visited university centres in Texas and California. Professor Dent visited Hawaii twice during the year on U.S.A. Aid project. Allan Bilbrough worked on two projects in China for about a six week period. Bruce Ryde organised a study tour of Fijian agriculture which attracted students and academic staff alike. Derek Newman is still based in Chico, California on exchange and will stay until

mid 1986 to complete an MBA programme.

Long term visitors to the Department included Dr Tom Dickinson for 12 months from California State University, and Nigel Williams from Wye College, England for 6 months.

The number of graduate students in the Department continues to increase, and so far we have been able to maintain some balance between overseas students and Kiwi students. Departmental staff contributed extensively in plenary and contributed papers at the Institute of Agricultural Science Convention held at Lincoln in August.

ANIMAL SCIENCES GROUP

Any old student casually visiting the Animal Sciences Group over the last year could have been forgiven for thinking the Group had gone into recess. The continued demands of teaching, field trips, research projects and overseas leave means few offices are occupied for lengthy periods during any one day and our long suffering Secretary, Julie Lassen and her word processor (new in 1985) are left holding the fort. However, on most fronts the Animal Sciences Group kept its end up quite well.

Post-graduate students in the Group were much to the fore as three Ph.D. were completed and awarded. Paul Muir's work on antler growth in deer broke new ground in the understanding of the growth of this interesting tissue and Jeremy Crisps study of the calcium metabolism of the lactating ewe lead to a position, in human medicine in Australia. Raisal Alams Ph.D. compared the nutrient utilisation of goats and sheep and shot down some preconceived ideas on goat nutrition. A further distinction to the Post-grads was the award to George Cruikshank by the NZ Society of Animal Production Award for the best paper presented by a young member to the Society's Annual Conference in February. We think his Scottish accent had something to do with it. Two master and four Hons Projects were also completed.

Not to be outdone, staff members contributed world wide. Professor Sykes, in his position as President of the NZ Society of Animal Production represented the Society and us at the Australasian Association of Animal Production Conference in Korea and continued on to the U.K. Professor Irvine maintained his stream of invited guest lecturing appearances in Australia, U.K., U.S.A., Japan and the North Island. Denis Poppi attended the International Atomic Energy Agency meeting in Morocco. We were pleased to see him back as there was some concern that he might pass as a resident there. Graham Barrell took a rather colder view of overseas travel and spent three weeks bleeding Weddell seals in Antartica.

During the year Andrew Parratt resigned and joined the Genetics Section at Ruakura and Sally McGregor left to do pastoral work in Auckland and the Pacific. Senior Technical Officer, Bruce Lawson passed the milestone of 25 years on the College Staff and Paula Wilson left us for motherhood.

Highlight of the Group's extension effort for the year was the fourth of the Animal Industries Workshop; this year entitled 'Sire and Breed Selection' which was fronted by Alistair Nicol, Phil Beatson and Denis Elvidge.

Two of our many visitors over the year made a big impact. Geoff Simm an animal breeder on exchange from the East of Scotland Agricultural College in Edinburgh, developed a 'Lean Growth Index' for use in selection lines for lean growth in sheep at Lyndhurst and the Sheep Breeding Unit. Geoff, who has a delightful sense of humour, claimed he was the only Simm to live in Sims flat and have his photos developed at Sims, the chemist. David Cottle, an Australian from Wagga, was very active in the JML during his stay and his contribution to the Group's 'Rest of the World' cricket team was envious..

Not all was work though during the year. Staff and post grads on their way to Palmerston North last February had a memorable trip through Molesworth and the Awatere Valley. A Departmental raffle was run at regular intervals to fund the Photograph album which records both work and leisure activities and sporadic social functions provided a welcome change from the daily round.

REVIEW OF THE COLLEGE FARMS

HUNUA

The farm has again suffered a very dry summer, autumn and winter during 1985 resulting in low wool weights, however the season changed dramatically in November to go through what must be one of the most plentiful summer/autumns on record. Feed reserves are building up and undoubtedly will be needed again before too long.

The only development in the past season was the installation of dams on some blocks which has in the main proved successful.

The cattle policy is proving very successful and replacement weaners will be purchased again in autumn 1986.

Ewes have been down in condition but are now picking up and we should see higher wool weights again next year.

The farm is standing up reasonably well to the current downturn mainly due to our ability to run it as a very low cost run when desirable, especially as it is running slightly understocked.

DAIRY FARM

Supervisor: S F Pittaway
Manager: D M Sheen

The 1984/5 season total production was 55 683 kg milkfat - the highest achieved yet. Production per cow was about 170 kg and per hectare over 550 kg. This was a very pleasing result but far short of the property's potential.

It was hoped that a significant increase in cow numbers could occur for 1985/86. Unfortunately conception rates were low and a high level of abortions occurred. These were attributed to B.V.D.

A field day was held in the autumn and we were informed of our 'shortcomings' by the leading Canterbury dairy farmers. The discussions at the field day were useful as it pointed to a lack of research into dairy farming in the region and the farming community felt the college had a role in this area.

All the calves were reared this year. The bull calves were sold to the Lyndhurst property.

Stock Numbers 30.6.85.

267 cows
88 R2YO Heifers
103 R1YO Heifers
7 Bulls

MIXED CROPPING FARM

Supervisor: A C W Whatman
Manager: S J McCartin

The 1985/86 harvest was really good in a year when so many crops throughout Canterbury yielded poorly.

Highlights on the Lincoln farm were 7.83 t/ha from 15.5 ha of winter barley (Illia) and 6.8 t/ha from a paddock of Weka wheat, a new milling cultivar. The average wheat yield was 5.3 t/ha over 76 ha. For yet another year the spring barley was disappointing. The Goldmarker feed barley averaged 4.5 t/ha and the Triumph malting barley 3.5 t/ha. More pleasing was the ryegrass which weighed out at 1040 kg/ha off the header. We expect it to dress out at 750 kg/ha and at a bouyant price that is quite good money. The clover has also been good in a desperate year for the crop - too much rain and too few hot still days. A new venture was oil seed rape grown for Farmlands Grain Ltd. (used to be S.Is. Barley Society) on contract at 45¢/kg. It was a beautiful crop standing high and promising to yield well. Reality was 2.3 t/ha but the costs are low and the net from this crop measures up well against barley. In fact the cost of growing cereals has risen so high most of the so-called break crops are now showing a better return per hectare than average crops of wheat or barley. The wheat was sprayed six times and the materials alone cost $268.75/ha.

All the wet weather has guaranteed great crops of stubble feed, clover and grass seed recovery and later in the winter we can expect excellent new grass and green feed.

We have purchased 500 lambs from Hunua at $12 to help utilize the feed. They are ram lambs and will be shorn in February and carried through until June or July to heavy weights. There will not be a fortune in them but it will boost profits.

The farm will also carry Ashley Dene ewes on stubbles and Sheep Breeding Unit hoggets through to the spring.

One important bit of news from the Cropping farm is that from April 1986 the Ministry of Agriculture will take over the 70 ha of land it purchased from the College three years ago. This will change the whole character of the cropping farm because to compensate for the loss of area the cropping farm will take over some of the Henley block and all the Hart block. Both of these blocks are lighter than the 70 ha going to the MAF and as a result the Cropping farm will no longer be quite as intensively farmed as it has been in the last decade or so. John McCartin has maintained a very high standard of neatness on the farm throughout the year. The challenge will now be to get the best out of the restructured area.

ASHLEY DENE

Supervisor: R D Plank
Manager: R K Simpson - Resigned January 1985
K W Heine - Commenced duties February 1985

Stock on hand 1.7.85.

Booroola Evaluation Flock

Ewes	2100
Ewe Hoggets	570

Export Lamb Flock

Ewes	700
Rams	30
Killers	40

Total Stock Units = 4000

= 12.04 (effective ha)

Land Utilisation Summary

Summer 1985	Hectares
Lucerne	153.5
Pasture	68.7
Lucerne Silage	42.4
New Lucerne	31.2
Tama/Moata	32.5
Barley	16.3
Summer Forage	5.9
Balance	4.9
	355.2

The 1984/85 season was unusual even by Ashley Dene standards. It was dry in the spring, moist in the summer and then very dry in the late autumn. This combination resulted in poor autumn barley yields, high costs for spring off-farm grazing for ewe hoggets, but good yields of silage and better than normal amounts of summer feed for ewes and lambs.

Animal performance was satisfactory with a lambing percentage of 120 in the spring of 1985 and wool weights that were within 1% of budget. The Booroola Evaluation Trial flock peaked at 2100 ewes and 570 hoggets this winter. From now on there will be a gradual decline in the numbers of sheep in this trial. Both the trial and the export lamb flock ewes were mated to Dorset Down rams from the Lincoln College Sheep Breeding Unit. The progeny will be evaluated as part of this unit's ram test program.

Lucerne silage is now an established part of the Ashley Dene supplementary feed program and less sheep are being grazed off the property during the summer. Turnips and straw are still important during the winter and summer feed is supplemented by a paddock of irrigated rape or turnips. Lucerne is still the dominant forage on the farm and despite aphids, weavils and weeds recent cutting trials have confirmed that it continues to produce more than traditional pastures.

The most important issue on Ashley Dene at present is the effect of low lamb and wool prices on the cash flow. In 1984/85 the farm just broke even with $24 per head for lambs and a 340c/kg wool price. This year we will be lucky if lambs average $15 and the actual wool price will be 330c/kg. At these prices the farm is facing a disastrous cash loss.

Because of the limitation of climate and soils Ashley Dene does not have many options. Other farmers on similar soils are looking at deer and goats with off-farm investors providing the purchase capital, Lincoln College cannot consider this option. Increased barley on the home block is a possibility, so are heavy weight lambs and the winter fattening of cattle. Unfortunately none of these choices are very attractive from both a management or financial viewpoint. It is a real dilemma and something we must solve before the start of the next production year.

The annual Ashley Dene Field Day was held in November 1985. Topics at this field day included:

Ashley Dene - Policy Proposals
- 1984/85 Financial Results
- 1985/86 Budget

Light Land Pasture Species
Tree Lucerne
Lucerne Establishment
Autumn Barley
Lucerne Management
The Cost of Labour
Production from Irrigated Forage Crop
Increasing Returns from Export Lamb

The attendance at the field day of approximately 120 was disappointing. Farmers in 1985 are concerned about their financial position and what they can do to survive. They are not interested in topics that look at increased production from traditional products.

Mr Bob Simpson the manager since 1981 left us at the start of the year. Bob has gone to Hungary as a farm manager under a Pyne Gould Guiness project; we wish him well and thank him for his contribution. His replacement Keith Heine is a Diploma in Agriculture graduate who has been on farms in Nelson, Canterbury and Australia and was for a number of years an Air New Zealand pilot. He has had a difficult but successful first year.

LINCOLN SPRINGS

Supervisor: Keith McIntosh
Development Foreman: Hamish Cattell

Lincoln Springs had a busy year: nearly 10 hectares of stonefruit, half peaches and half nectarines. were planted over June and July. The varieties have been carefully selected for fruit quality, colour, yield and particularly timing for harvest. It is important to get a flow of product for the post-harvest facilities that will be put up in 1988. All this, as well as trying to select only those varieties suitable for 'late season' marketing, narrowed the choices to about four varieties of each.

The College produced almost all the stock at the Horticultural Research Unit. This made the lifting, transporting and planting a little easier. Microjets are being used for irrigation. A single training wire is held by a support system that will in turn hold up the overhead sprinklers for a 'targetted' frost protection method.

Problems are no respecters of anyone, so the well decided to collapse in the early spring. Deeper aquafers were unsuitable, so another well had to be dug close by and a higher aquafer used. Both wells are being used now, and should provide enough water for both frost protection and irrigation.

There are a few fruit on the trees this year, but next year will see the first real commercial sales. Here's hoping for a good exchange rate.

LYNDHURST

Supervisor: Dr G A G Frengley
Manager: Mr G P Varney

The 1985 year has been both interesting and difficult. In common with all other sheep/cropping farms the profit squeeze has necessitated further management changes. The income of the property is now from three sources, cropping, stud sheep and dairy beef. Three years ago the income was dependent on stud sheep and wool (95%) and a few beef cattle (5%). Since then, the area of the farm has been increased by 40% with the purchase of the adjoining Symes block and the slack has been taken up with cropping and dairy bulls. At the same time the stud Coopworth flock has been consolidated on a superior nucleus of ewes.

The present income structure is:

Sheep sales and wool	51% (1982, 95%)
Dairy beef bulls	16% (1982, 5%)
Cropping	33% (1982, 0%)

The cropping programme is based on cereals and winter forage using minimum tillage techniques. The results have been generally quite acceptable and certainly cheaper than stocking up with a sufficient range of cultivation equipment. Barley yields have been as high as 7.7 t/ha and wheat 7.2 t. A good plaster of take all fixed two paddocks on the Symes block this year and the yield wasn't worth mentioning and apart from the failure of the lentils (a small dryland block which would probably have been better sown in watercress) all other yields over the last two years have been above the district averages for light Lismore soil.

The move to rearing bull calves for sale as 20 months, has not been without its moments. Aside from their normal anti-social behaviour from 6 months on, plus digging up borders, wrecking the pneumatic system, flattening gates and ornamental trees, they developed ominous homicidal traits. The bulls took to popping cast ewes by standing on them and finally had to be separated from the sheep. However, their profitability somewhat offsets their eccentricity. The Coopworth stud is now involved in an extensive Lincoln v Industry comparison to assess the genetic merit of the flock.

The research requires a large number of stock and is costly. Hopefully we will find that the Lincoln Coopworths are superior to all comers. If they aren't we will at least know where to obtain the best genes in the industry and correct any less productive features.

The property is neat and attractive and reflects Gavin Varney's careful attention to it. With luck we will even trade profitably this year despite carrying a heavy debt servicing cost.

BREEDING PROGRAMMES ON COLLEGE FARMS

(contributed by P.R. Beatson and D.G. Elvidge, Animal Sciences Group)

SHEEP BREEDING UNIT (FORMERLY THE STUD FARM).

In 1981 the roles of the stud farm for research and extension and its viability as a commercial unit were reappraised. The Corriedales, Border Leicesters and Dorset Downs were retained while the Romneys, Southdowns and Borderdales were dispersed. At the same time the farm's name was altered to the Sheep Breeding Unit.

Between 1982 and 1985 the numbers of the three remaining breeds were increased by buying, leasing or being gifted registered animals from industry. The breed societies have been most helpful throughout this exercise in organising and co-operating with us.

The breeding programme involves full recording of both pedigree and performance levels of the sheep for the relevant traits.

Within the Corriedale breed one line is being selected to increase genetic merit for fleece weight and growth and a second line will be selected for resistance to internal parasites when the appropriate techniques are established.

Within the Dorset Downs sheep are being selected to improve their lean tissue growth rates using a lean growth index. This index has been formulated at the College to incorporate growth rate and ultrasonically measured fat depth. We are confident this approach is the best yet devised to select superior lean tissue growth animals to meet the demand for heavier but leaner lamb.

Selection within the Border Leicester flock is aimed at increasing lean tissue growth with attention also being paid to fleece weight. The objective is to ultimately produce Border Leicester rams whose progeny are lean but fast growing with a heavy wool pull - i.e. a white faced terminal sire.

Over the past year there have been several changes in personnel at the Sheep Breeding Unit. Mr Hamish McNeil who was manager from 1982 to 1985 resigned to go farming on his own account. Mr Ross Wilson is the present manager since May 1985. Mr Alan Bilbrough is the current farm supervisor and the breeding work is undertaken by members of the Animal Sciences Group.

ASHLEY DENE

Ashley Dene is a light land unit producing prime lambs and wool from about 3000 ewes, traditionally Border Corriedales bought in as weaned lambs.

In 1979 the Booroola Merino evaluation trial was established to compare the effect of ewe breed on lamb production on light land. The ewe breeds and crosses being compared are: Coopworth, Corriedale, Border-Corriedale and Booroola Merino x Coopworth.

The ewes are monitored for wool weight and number of lambs born and reared each year, while their Dorset Down-sired lambs are

measured for growth rate and carcass traits.

To date none of the ewe breeds stands out as being distinctly superior and until ewe longevity data are available we will not be able to determine the most profitable ewes in the trial. The Booroola Merino Crosses are extremely prolific and it appears that the Booroola gene may have a role in specialist enterprises.

Recent managers at the Dene have been Mr Bob Simpson (1981-85) and Mr Keith Heine. Mr Rod Plank is currently the supervisor and the trial is monitored by members of the Animal Sciences Group.

COOPWORTH SHEEP AT LYNDHURST

Since its inception, the Coopworth flock at the College has been selected on objective performance records for fertility, growth rate and wool production. In the initial stages of the Coopworth breed development, the College registered flock (Flock 1 in the Coopworth Flock Book) was important to the industry at large in promoting leadership in recording methods and as a source of proven high performing animals.

With the development of Sheeplan and the widespread acceptance of the Coopworth breed nationwide, these objectives have largely been achieved. In consultation with the Coopworth Breed Society, the function of the College Coopworth flock to the industry has been reviewed to once again take on national leadership in selecting for traits of importance in the future. The College has resources which allow it to measure and evaluate traits, such as lean tissue growth, clean fleece weight, longevity and their correlations with Sheeplan Index and each other, which are impossible for most commercial breeders.

To carry out this programme it was decided the present standing of the College's Coopworth flock should be determined by comparing the physical and performance ability of progeny of College bred vs. industry bred rams. To achieve this evaluation in 1984 and 1985, 10 industry rams in each year (two from each of 5 Coopworth stud breeders based from South Auckland to Southland, who have large flocks and are recognised as being in the top group of Coopworth breeders), and 10 College bred rams were mated to the College registered flock. Rams used were single entered indicating they are representative of the top 10% of rams within their home flock.

20 male and 30 female progeny of each ram have been selected at random for physical evaluation and measurement of performance levels.

Results of the 1984 mating and growth and wool performance of progeny to the hogget stage are presented in table 1. The intention in 1986 and 1987, is to mate the female progeny of College and industry rams to determine what (if any) difference in reproductive and/or maternal production exists.

Examination of mean results to date indicate wool performance of College bred sheep is slightly higher, whereas growth rates are slightly lower than industry source rams.

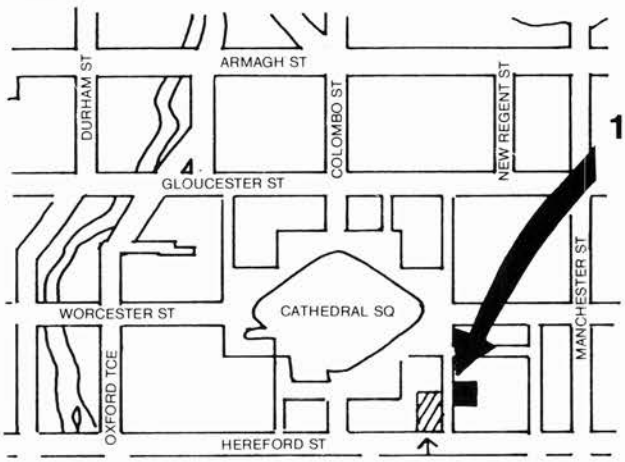
From 1986, we intend to divide the College flock into four selection lines. These being selected:

(i) on Sheeplan Index
(ii) on clean fleece weight
(iii) on lean tissue growth rate
(iv) at random (control line)

The phenotypic and genetic correlations between these traits and other physical aspects will be calculated from differences between selection lines in the future.

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TABLE 1.

COLLEGE VS. INDUSTRY EVALUATION (1984 MATED GROUP)

	COLLEGE	INDUSTRY
No ewes mated	473	484
Av. Bodyweight at tup (kg)	65.2	65.3
% Lambs born/Ewes mated	199	192
% Lambs weaned/Ewes mated	158	155
Av. Lamb Weaning weight (kg)	21.8	22.1
Av. Autumn weight (kg)	40.0	41.1
Hogget Fleece weight (kg)	3.10	3.05

Fleece Medullation	)	
Colour	)	No Difference
Mean fibre dameter	)	
% yield	)	

Results from the 1985 mating are still being collected. These results plus reproductive and maternal results will be included in the 1986 magazine.

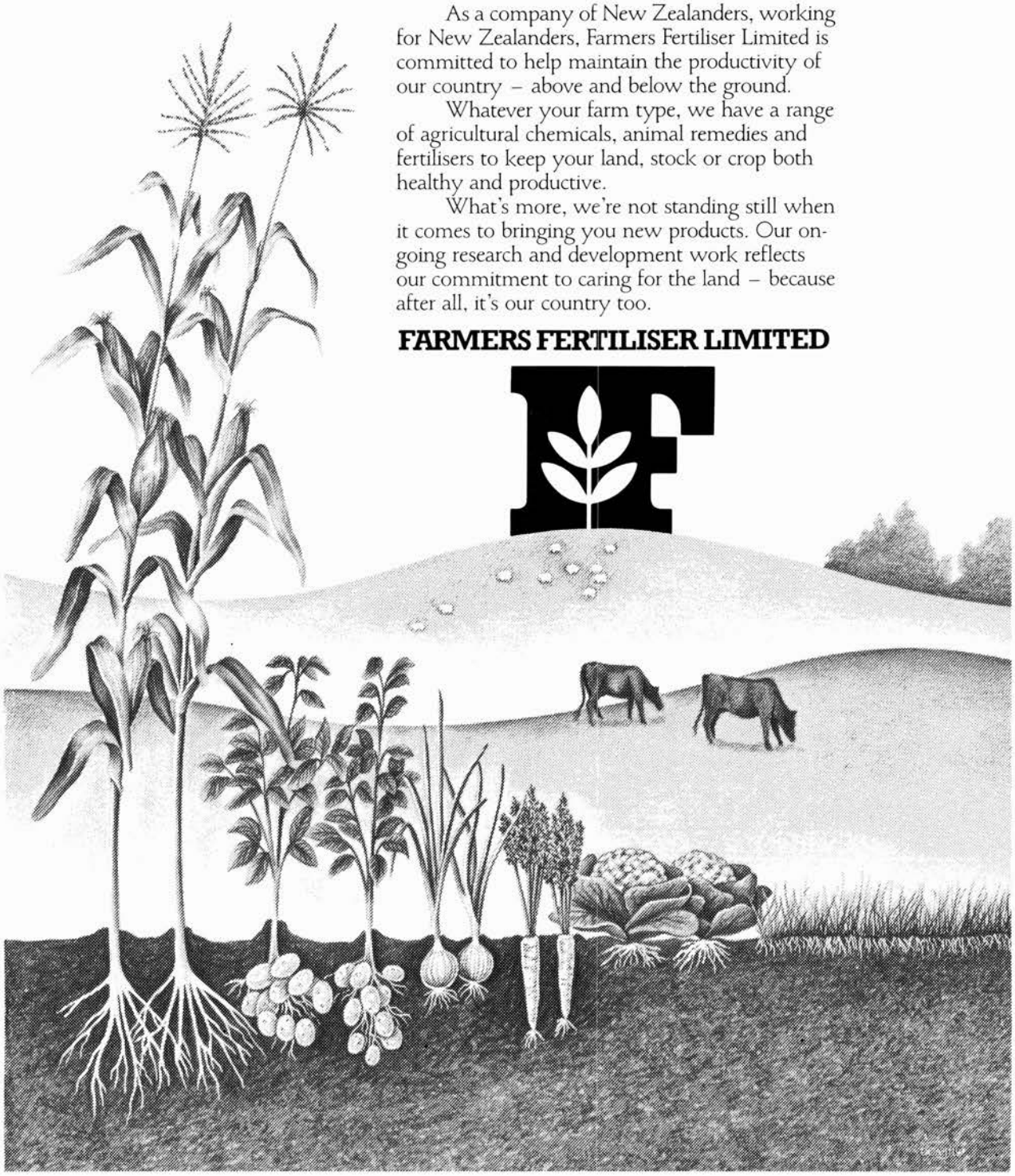
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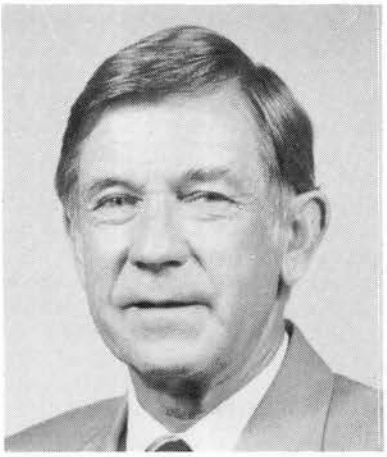
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PRESIDENT'S MESSAGE TO OLD STUDENTS



On behalf of the Executive I would like to convey greetings to all members.

As the Association grows and the College increases the scope of academic studies the range of vocations taken up by Old Students gets more diverse every year.

We have one strong point of which some other organisations are very jealous, and that is the comradeship which the Lincoln College atmosphere produces within all students.

There is no other University in New Zealand which has the same fellowship and at our branch reunions people of all ages and occupations can meet and enjoy each others convivial company.

This in itself can be a great asset to the younger members when establishing themselves in a new district.

The branch reunions are the hub of activities for most members and I urge all of you to attend these annual, worth-while meetings. It is pleasing to see 18 branches, 15 in N.Z. 1 in Fiji and 2 in Australia.

As the College role has changed, the character of reunions is changing and many functions are now for husbands, wives or partners. The reunions I have attended have been most successful.

The Magazine and the Newsletters play a valuable part in the communication chain. Special thanks go to Brian Robertson for his untiring efforts and jovial enthusiasm which he applies to this task and I wish to commend him on the result.

1985 has seen Professor Bruce Ross pick up the reins of Principal from the very able "caretakership" of Professor Langer.

We, the Executive, wish to thank him for accepting the position of Patron of the Old Students' Association and his support throughout the year and especially for making time to attend some Old Student functions, one as far away as Gisborne.

Murray McGregor has done a wonderful job as secretary and has kept updating the Association rolls and has also made printouts available to branch secretaries.

To assist Murray with the increasing work load of the Association we have appointed Mrs Jane Ewart, as part time secretary.

Our finances are in the hands of Gil Hay and we benefit from his expertise in the money market. We are extremely grateful for the enthusiasm he puts into the job for us.

All Members of the Executive appreciate the work staff members put into the jobs that have to be undertaken for the Association often in their own time. Our thanks.

The Lincoln Foundation needs more of your support. As the idea originated from the Old Students' Association we must keep adding to the fund.

Awards have been made for many worth-while projects in the past year.

The Association commissioned the artist Mr W. Sutton to paint a portrait of Sir James Stewart and this has been duly undertaken. At a small ceremony it was presented to the College and now hangs in the Memorial Hall.

Finally a thank you to all the Branch Secretaries and members who organise their local meetings. Keep up the good work and do let us know the names of those attending and changes of address.

Best wishes for the coming year.

Graeme Malden
PRESIDENT

BLEDISLOE MEDAL

CITATION

COLIN JAMES McKENZIE

The 1985 Bledisloe Medalist - Colin James McKenzie - is a third generation McKenzie. Each generation of this family has left its mark on New Zealand. In 1854, his grandfather captained the "Highland Lass" bringing his clansmen to Waipu out of Nova Scotia where they had migrated from Scotland thirty years earlier. His father, John M McKenzie, took a law degree at Auckland, but following the horrors of soldiering in the First World War he became a missionary to China. Subsequently returning to New Zealand he became Moderator of the Presbyterian Church.

Jas McKenzie was brought up in Dunedin. He was educated at Otago Boys' High School where he stood out in work and play as an outstanding sixth-former among some very able contemporaries. He could think for himself. He decided to take a degree in Agricultural Science at Lincoln College - a course of action which surprised his family, who, perhaps, hoped he would follow his two older brothers into the medical profession.

After spending a year gaining practical farming experience at Poolburn Station he came to Lincoln where he coupled gaining a good degree with student leadership.

In 1959 Professor B P Philpott took up the Chair of Agricultural Economics and attracted senior degree students to his discipline. Jas McKenzie was one of them. After taking his first degree, he combined researching for the Agricultural Economics Research Unit, lecturing, and working for his Masterate in Economics. He wrote a first class thesis on wool prices which earned him considerable praise. His thesis completed, he started married life with Sally Calder who had Lincoln connections being the daughter of a director of the Crop Research Division, DSIR, and niece of Lincoln's Professor J W Calder.

Joining Treasury's land use division 20 years ago, he found that his masterate research work was in demand. The future of wool was in doubt when prices slumped in 1967. The government used his research in deciding to devalue the New Zealand dollar.

His Lincoln training provided him with a quantitative approach to economics which could be applied to practical decisions. He also had a grasp of the nature of the farming industry. This made him the obvious candidate from Treasury to be seconded to the wool marketing study group.

During the next two years he was caught up with updating the work of the Agricultural Production Council aimed at boosting farm production. Later he provided economic analysis for many of the agricultural recommendations which came from the two national development conferences.

In the early 1970s Jas McKenzie worked in the internal economic division of Treasury on economic forecasting and macro-economic policy. He spent two years lecturing at Auckland University, returning to the Treasury in the mid-'70s. He was promoted rapidly through Treasury's senior management positions - Divisional Director in 1976, Assistant Secretary in 1979, and Deputy Secretary in 1980.

During this period he oversaw major developments in economic policy that have reduced the protection the government gives to nonexporting sectors. This is important to farmers and other exporters because they have to pay higher prices for their inputs. The move away from import licensing and special cost subsidies for agriculture towards more evenhanded policies like altering the exchange rate to encourage those who are efficient at earning or saving foreign exchange is a policy Jas McKenzie has been recommending and which is now being adopted.

As well as this major contribution to the evolution of domestic economic policy, Jas McKenzie has represented his country in a number of important economic and trade discussions with crucial implications for the agricultural industry in New Zealand. He has made a valuable contribution to the international debate on economic policy. This was recognised by OECD governments when, in 1982, they elected him Chairman of the Premier OECD Working Party devoted to macroeconomic and structural policy issues.

Last year he was appointed to the special position of Economic Advisor to the Treasury so that he could remain at the centre of economic policy formation.

In the mid-fifties the College Council decided that Lincoln should develop the field

of agricultural economics. It is now a major component of the College's teaching and research. Its graduates are well established in this and related disciplines and in recognising the contribution of Colin James McKenzie to agriculture with the award of the Bledisloe Medal, the College says "well done" to him and his contemporaries and those who have followed the track he cut.



LCOSA President, Alan Bilbrough (left) with Bledisloe Medal winner Jas McKenzie and Professor Bryan Philpot, former Professor of Agricultural Economics at the College.

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From its beginnings in 1890, the Rural Bank has acted as a stable and significant source of loan capital for New Zealand's land based and fishing industries. Loans for farm purchase, land development, stock and plant, irrigation and climatic relief through to financing the needs of rural servicing, processing and fishing industries have steadily helped New Zealand's primary sector grow.

Year to	31st March	Currency	NZ $ 000
Latest Year	1985	Previous Year	1984
Total Assets	2,645,082		2,428,129
Loan Capital	2,513,591		2,275,613
Deposits Outstanding	176,534		142,943
Total Funds Employed	2,623,581		2,409,781
Loans to farmers & Others during year	448,500		392,900

The bank has been instrumental in providing loans to enable greater diversification in the less traditional areas of deer, goat, wool, kiwi-fruit, flowers, fish farming — to just name a few.

Government policy changes in 1984 to reduce concessional assistance to all industries means we now operate on a more commercial footing. As a result the Rural Bank is now undertaking both domestic and offshore funding programmes to ensure continued financial support of the nation's largest export sector.

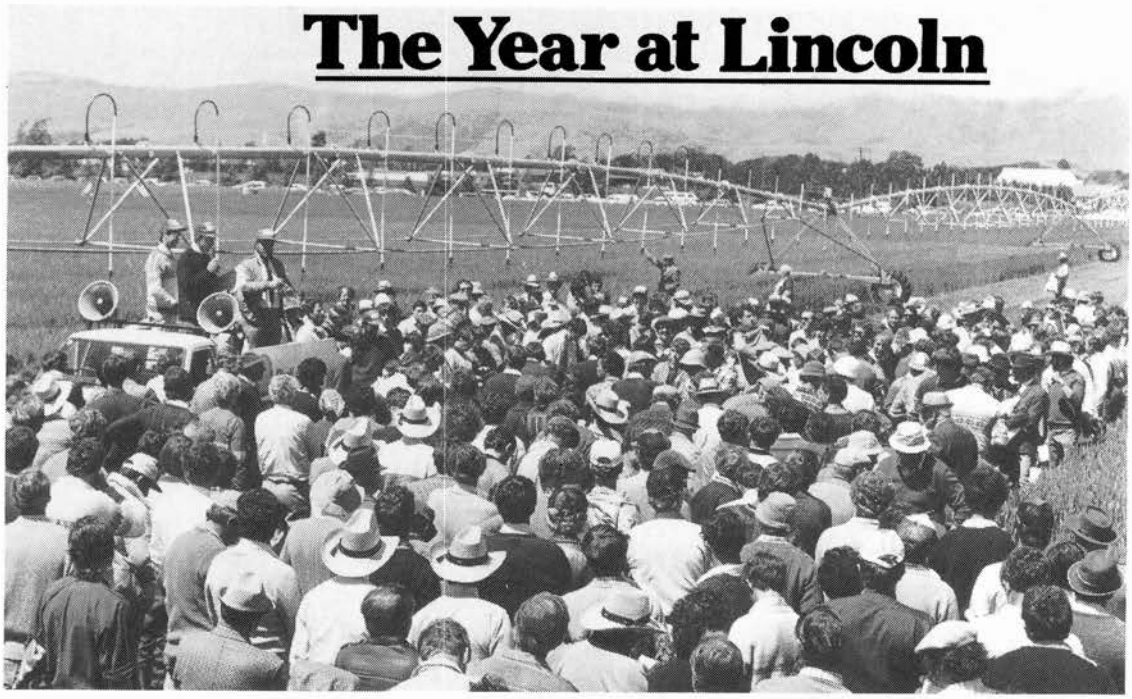
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The Year at Lincoln



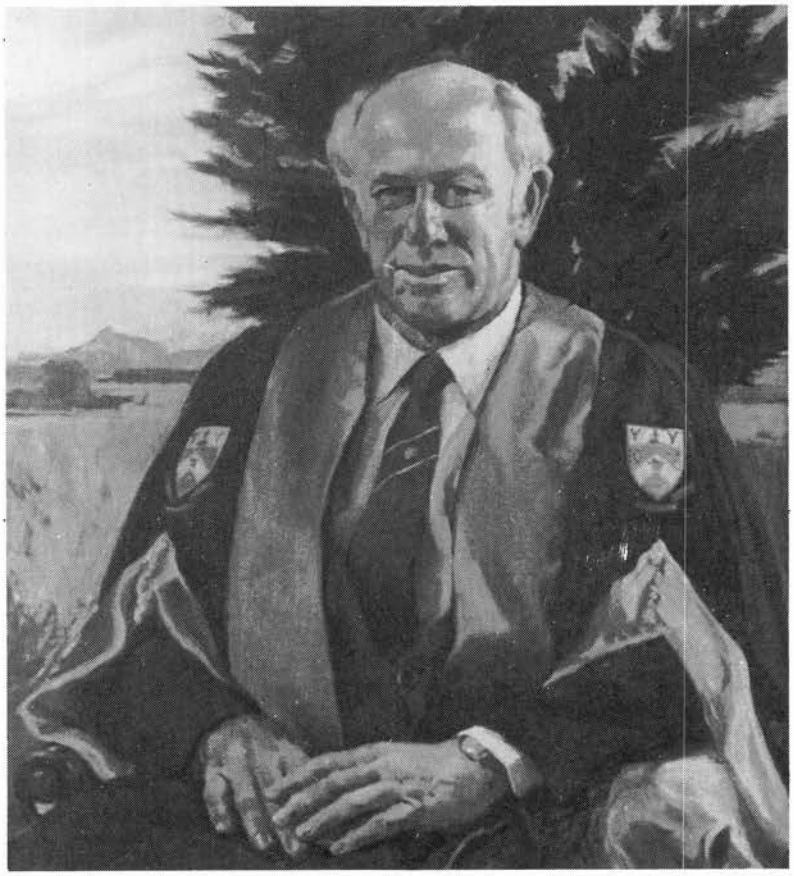
ICI Cereal '85



College Council Chairman, Mr S.M. Hurst welcoming the Minister of Agriculture and Fisheries, Mr Colin Moyle to the official opening of the new Agricultural Engineering Institute Building.



Sir James Stewart speaking on the occasion of the presentation of his portrait to the College.



Sir J.D. Stewart portrait.



Professor Rowe explains a finer point of fruit production at the College Open Day.



Dairy farm field day.

RETIREMENTS



Ivor Gardner



Derek Ower



Mr Eddie Cutler



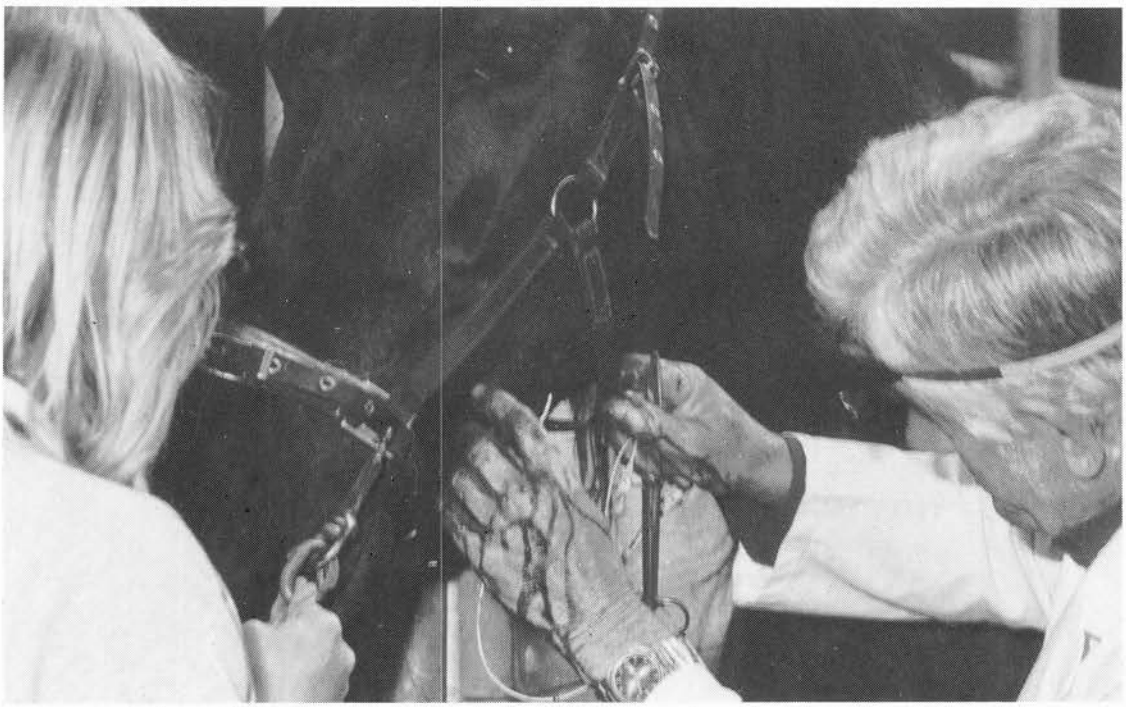
Professor Bernard Howard



Mr John Taylor examining latex – producing guayle growing on the horticultural unit at the College.



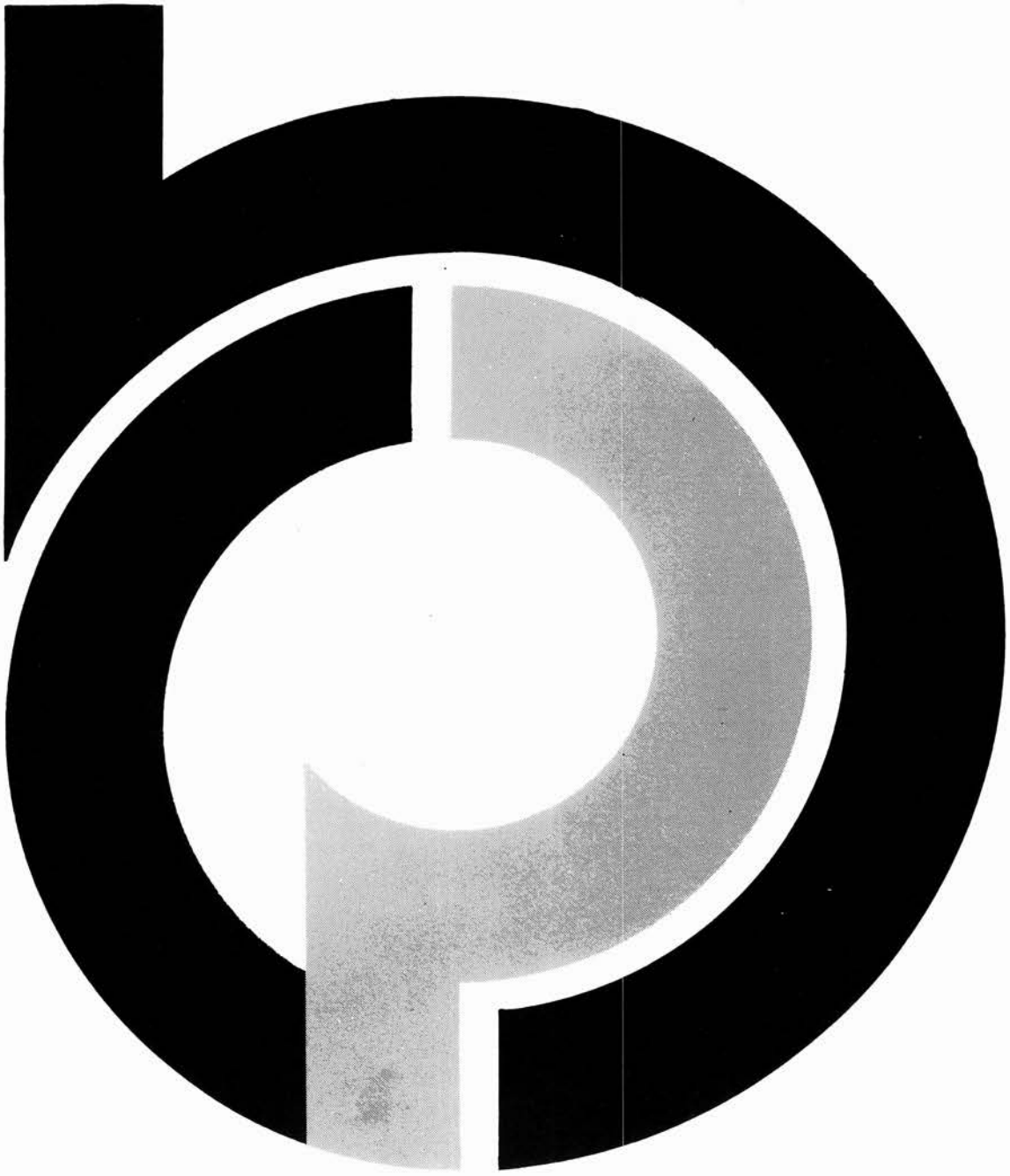
Irish President, Mr Patrick Hillery visited the College in May.



Professor Cliff Irvine stitches an incision after inserting a cannula – a fine tube for drawing blood.



AERU Director Dr Ralph Lattimore with Deputy-director, Ron Sheppard.



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CLASS REUNIONS

DIPLOMA CLASS OF 1935

Fifteen of the 28 students enrolled in the 1935 Dip.Ag. class, returned to the College in May for the first reunion since they left the College in 1938. Organized by J. Stobo McLean, a former Commissioner of Crown Lands, the reunion was an outstanding success.

During their reunion this group of 68 year olds looked at old lecture rooms, study rooms and what used to be the refectory (Lecture Room A). Des McSweeney delighted in conducting the tour around the College. The group had a reunion get-together in Christchurch and accompanied by wives attended the A.G.M. at the College.

Dr Ian Blair, himself a student at the time proposed a toast, the text of which follows:

"Fifty years ago precisely, 28 young men came to the Canterbury Agricultural College as the first-year diploma entrants of 1935. They were a miscellany from the nation's best and worst schools; some were of noble antecedent; most were just good Kiwi jokers. They made up 40% of the total student complement of 1935 - the balance were 19 in the Dipl.2 year and 20 degree students, all up, all stages; I for example being the only masterate - 66 in an institution that was a progenitor of the present-day academic factory, where among the 1800 students there are scores of masterates and God-help-us, more than 100 seeking Ph.D. doctorates.

"Each of the 28 as revealed in the small College were distinctive; their diverse personalities were revealed; the shy were strengthened by the strong; they were knit together in lecture room and in farm-work; they delighted in relaxation in what was a very notable social year, what with Leslie's ball to raise funds for the demonstration theatre; the incomparable College ball, and the function following Mary Alexander's wedding - an event that had unimagined consequences - some of the secrets still being known only to a few in this present company.

"Of the 28, 15 have returned here tonight, several accompanied by spouses, at least one of which was also present on the social occasions I have mentioned. It is the nature of a pilgrimage; less a return to a battlefield: rather actors (small) returning to a stage of past events - an arena.

Of those of the time who guided them, 13 lecturers and10 farm instructors, Ivan Weston and Jack McLean also with us tonight are the survivors. Bucky Weston (he must have been 40 years old then), for he is in his 90th year right now, startled their simple minds with his economic theory - the mixture of whimsy and pragmatism; Shirty McLean (every staff member was known to all by nick-name) as assistant in agriculture lectured to them on crops - some of which on his own testimony he has never seen. None-the-less he would have held forth with that charm and facility which in his subsequent eminence as Professor of Veterinary Science revealed him as the finest communicator in the whole moderntime academic spectrum.

"Why have these 15 come back here after 50 years? It must be in my recollection of 60 years Old Student functions, quite unique. What is their relevance to this place of 200 academic staff, 100 or so admin. and service staff and 1800 students.

"They have returned after good careers as farmers; some from public service and business; several with outstanding public leadership in World War II, one with the honour of Military Cross listed against his Dip.Agr.C.A.C.

"I am not going to lengthen this tribute by analysing the question but I invite this audience to think on it. In general and in oversimplification - the return is an act in appreciation of what the C.A.C. experience during 1935-37 did for them in personal development and happiness. They will have an attitude of thanks for the people who impinged on their lives at the time.

"I call on this assembly of mostly later generations than 1935 to do honour 'these few, these happy few, this band of brothers..' In so doing we remember also those staff and students of those times who have not lived to see this day; memory of them is treasured. The Toast is the combined one - the 1935 group and absent friends."

Stobo Maclean left Lincoln in 1936 and worked on a Southland Farm. In 1938 he was offered a job with the Department of Lands and Survey conditional upon him doing the Dip.VFM course. He was a student in the inaugural year of the VFM course.

He worked as a field officer in Hamilton, Tauranga, Te Kuiti and Timaru, and as a DFO in Gisborne, and Napier. He then became DFO Land Development, Rotorua followed by a period as Superintendent of Land Development, Te Kuiti.

In 1964 he transferred to Wellington as Assistant Fields Director and in 1970 was appointed Commissioner of Crown Lands, Wellington.

Stobo retired in 1978 after 40 years with the Department. He represented Waikato on the rugby field in 1941, took an active part in rugby administration in Te Kuiti and refereed for 10 years.



Diploma I 1935 Reunion Group. They are (left to right): Front row (seated) Stobo McLean, Ian Faulkner, Spot Wilson, Roy Hayes; second row, Bill McKellar and Guy Nelson; third row, Eddie Williams, Bruce Hay, Lyn Morris, John Begg, Pat Pavletich; back row, Howard Williams, Peter Cleary, Hamish Deans, George Rennie.

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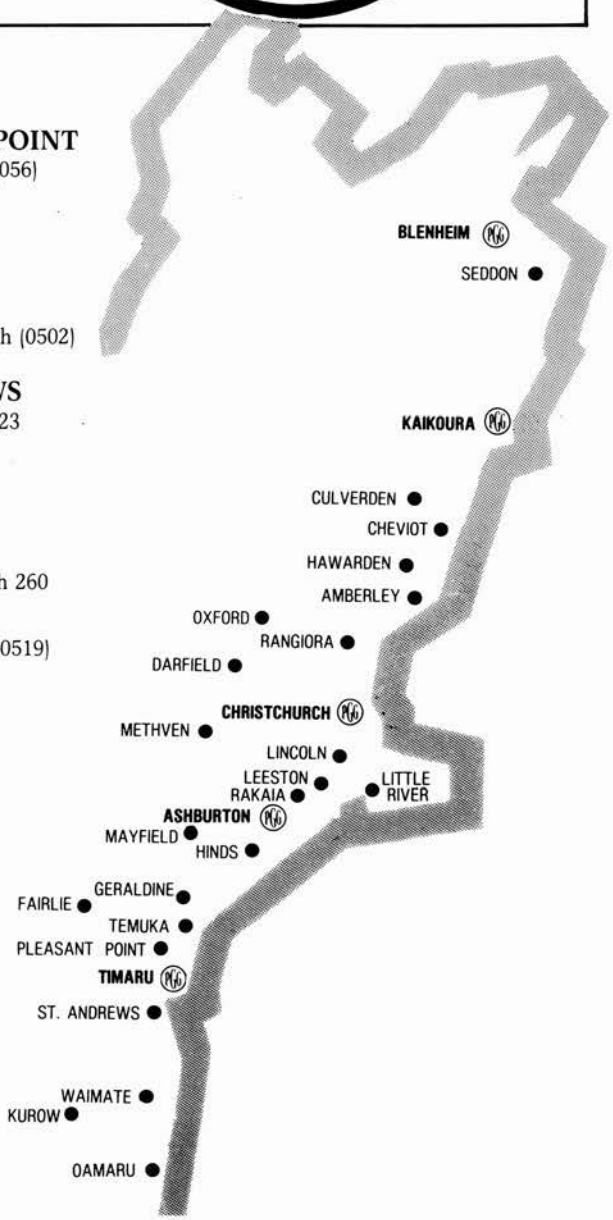
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Victoria Street, Ph (0502) 8264

ST ANDREWS
Phone (056) 26-523

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NORTH OTAGO

George Rennie farmed with his father and then on his own account taking over two properties in Canterbury. George played cricket and rugby and was a selector for Ellesmere and Canterbury country rugby teams. In addition to terms on the North Canterbury Agricultural Sector and Dominion Agriculture Council of Federated Farmers, he served a term on the Canterbury Education Board in the 1960s. He is a member of the N.Z. Meat Board and until recently was a director of NCF Kaiapoi.
Two sons attended the College - Laurence who did a Diploma and Graeme who did a Degree.

Pat Pavletich returned to the family farm in the Hakataramea district which he managed with his brother from 1943 until 1955 at which time he began farming 1500 acres on his own account in the Haka Valley. Pat served a term on the Waimate County Council before retiring to Christchurch in 1978. He has three daughters.

Hamish Deans returned to the family property for two years prior to serving with the N.Z. Army in the Middle East, including two years as Officer Commanding 'C' Squadron, 18th N.Z. Armoured Regiment, with the rank of Major. After the war Hamish returned to the family property until 1950 when he commenced farming a portion of this on his own account. He also supervised the management of family properties at Kaikoura and the Chatham Islands until 1955. Until 1977 he farmed a mixed cropping and livestock enterprise near Darfield. He has been active in local government having served 15 years as a county councillor, 18 years on the Selwyn Plantation Board and member and chairman of the Canterbury Museum Trust Board. He is Past-President of the N.Z. Farm Forestry Association and the N.Z. Tree Crops Association. Amongst his many other interests are the Orton Bradley Park Board and the Canterbury Arbouretum Association. He is married with four adult children and lives in retirement at Darfield.

John Begg began his university career at Otago doing a medical intermediate. Deciding that was not for him he went to his fathers sheep station in Southland as a cadet. The limiting factors on the 42,000 acres "not over productive hill country" were inadequate tenure, poor road access, lack of schooling, labour problems and an infestation of wild pigs which at times brought lambing percentages down to 50%. The production from 2,000 developed acres exceeds that achieved on the original 42,000. He then managed a 12,000 acre block of the original run and this was later reduced to 6,666 acres but with a better tenure. In 1939 he married Elvira Green a M.A. from Canterbury University. He spent the next 40 years at Wyndham Station having produced "with some assistance from Elvie" two boys and two girls. He has been a Southland Catchment Board member for 12 years and is retired in Mosgiel.

Lynn Morris took over the family farm with a partner in 1938 and married in June 1939. Lynn had a major battle with ewe infertility for 19 years (lambing percentages ranging from 29% to 95%) before selenium deficiency was identified and overcome with selenium, the average tailing percentage rose to 130.

In 1965 another property was purchased and in 1976, two sons took over a farm each.

Lynn recalls that "in 1966 I had a below-the-knee amputation which stopped my big toe from causing me a lot of pain".

Lynn has served on Y.F.C., Federated Farmers, the local A & P Association, church organisations, Rabbit Board and the Lincoln College Farmers' Conference Committee.

He has two sons and two daughters.

Bill McKellar secretary of the LCOSA South Canterbury Brnach since 1976, retired from a lifetime career with the Department of Agriculture and MAF, in 1977. He had an early association with the Lynhurst irrigation scheme and until 1956 served as an advisor in the Ashburton County. From 1956 until retirement Bill was F.A.O. in Timaru giving general advice in the South Canterbury region and in the ten years 1956-66 was a specialist on irrigation there and in Otago.

Howard Williams was born at Cape Foulwind and after leaving Lincoln worked on farms in Marlborough and North Auckland. He served overseas with the 2nd NZEF in the Pacafic and in Italy. Retired listed Major.

In 1946-78 developed a farm from cut-over bush, near Westport. Hward served on the Buller County Council, both as County Chairman and Chairman of the Town and Country Planning Committee. He was a member of Federated Farmers and served terms as Chairman of the Bovine Tuberculosis Committee and Pakihi
Development Farm Advisory Committee. He is a Life Member of Buller A & P Association. Howard played rugby for North Auckland and Buller.

Ian Falconer was appointed Assistant Instructor in Agriculture under T.G. Beck and W.C. Stafford in Timaru during the period of increasing development
for irrigation. He worked with Bill McKellar and Sandy Copland.

During the war Ian specialised in map making from aerial photographs in the Middle East. In 1942 he trained in meteorological weather observing with the RAF in Egypt, before transferring to North Africa and Italy.

He says the most interesting period for him was a time spent in Northern Syria in 1942 when he was seconded to the British Army. There he worked with the "Free French" purchasing wheat from the villagers. At that time he was on the staff of the Chief British Officer in charge of overall control of Palestine and Syria, one Brigadier Crystall, an ex Lincoln student.

From 1946-79 Ian was a FAO with MAF working on irrigation, farm engineering and farm drainage.

In 1947 he married Helen Margaret Taylor - they have three sons and a daughter. Ian is an elder of the Presbyterian Church.

Guy Nelson, has farmed Tangarakau Farm on the Takapau Plains since 1940. He married Rhoda Matthews in 1941 and they have a family of three daughters.

Guy recalls that after World War II the U.K. continued the bulk purchase of N.Z. meat, priced almost entirely on weight. "In 1948 we sent away a draft of SDX lambs at 42lb carcass weight. The thought of 12lb surplus fat on a small carcass revolted me, and the gift of two Suffolk rams from my mother-in-law seemed to offer an answer.

"George Rennie introduced me to H.C. Neave and South Suffolk sheep. From that day we began developing a South Suffolk flock which became in a few years a flock of 420 ewes, the largest in the country. It has taken the meat grading system 30 years to get to grips with the problems of excess fat."

For 35 years Guy was actively involved with Federated Farmers at local level and on Dominion Council. He has served as a member of the Hawkes Bay Farm Cadet Board and on the Board of Smedley Station, a self-supporting training farm near Tikokino.

Guy retired from farming in 1981 but still lives on the home farm, now farmed by his daughter and her husband.

Peter Cleary joined the Dept. of Agriculture in 1937 and in 1938 had a short-service commission with the RAF. In 1939-41 he served in the Near East, in Iraq and the Sudan. In '42 he was posted to Bomber Command then RAF liaison staff, 8th USAAF; later to be posted to Combined Operations, Operation Overlord.

After the war he received a Rehab. Bursary to Canterbury University and in '49-'50 attended Christchurch Teachers' College. He graduated B.A. in 1957, Dip.Ed. in 1958 and M.A. in 1963. He subsequently taught at secondary schools and teachers' training college.

He is currently practising as a psychologist in Auckland.

The others at the reunion were **Bruce Hay** who farmed near Mayfield for many years, **"Spot" Wilson** who farmed near Dunback, now retired at Taeri Mouth, **Roy Hayes,** was for many years a poultry inspector with MAF, now retired at Leeston, **Eddie Williams** served as a staff member of the North Canterbury Hospital Board for many years and now lives in Christchurch.

DIP. V.F.M. 1960

Stuart Morice reports that the 1960 VFM class had a mighty reunion at Taupo. We assembled on the Friday night followed by a boat trip across the lake on Saturday with a barbeque in the Western Bays. The trip was notable for the fund of new stories told, good camaradie and one trout caught by Noeline Chappell. On Saturday evening a semi-formal dinner was held with a toast to absent friends. Sunday started fairly late with golf at the Kinloch course followed by an impromptu meal at a bach at Kinloch. Some of the group then proceeded to Wairakei where the 1957 group were having a reunion. This turned out to be a most enjoyable hour also. On Sunday we had a further group dinner followed by a weary trip home on Monday.

Who's doing what.....

Wade Briscoe - Invercargill, Private Valuer and Farm Consultant.

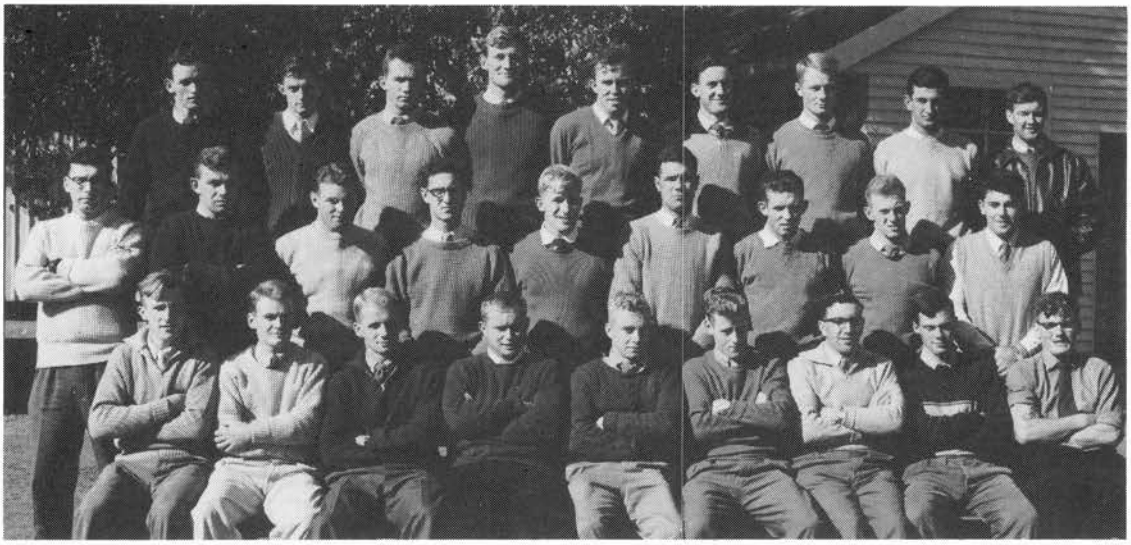
David Bulman - District Valuer, Valuation Department, Masterton.

Ray Chappell - General Manager, Rural Banking & Finance Corporation, Wellington.

Warren Fiebig - Ford & Hatfield Limited, Christchurch.

Allen Johnson - District Valuer, New Plymouth.

Peter Lawrence - Valuation Department, Invercargill.



V.F.M. 1960

BACK ROW	*Fiebig W.D., Mackereth W.N., Todd D.B., Nicoll D.B., Smales A.J., Webster D.D., Millson A.M. Skeet S.J., Burleigh W.H.*
MIDDLE ROW	*Neilson B.K., Morice S.D., Bulman W.D., McKay G.J., D.J., Nichols, Mars G.T. Plank R.D., Frethey G.J., Wells A.P.*
FRONT ROW	*Lawrence P.R., Russ N.C., Johnson A.G., Ingham V.S., Chappell R.J., Watson N.L., McIver M.A., Briscoe J.W., Mollison I.R.*



Back Row left to right	– *D.B. Todd, D.B. Nicoll, J. Smales, S.J. Skeet*
Middle row left to right	– *B.K. Neilson, S.D. Morice, W.D. Bulman, G.J. McKay, D.J. Nichols, G.T. Mars, A. Wells.*
Front row left to right	– *N. Russ, A.G. Johnson, R.J. Chappell, N.L. Watson, M.L. McIver, I.R. Mollison.*

Murray McIver - Service Station proprietor, Christchurch.
Gary McKay - South Island Manager for AMP Christchurch.
Noel Mackereth - Lands & Survey Dept, Kaitaia.
Grahaeme Mars - Accountant & Consultant, Christchurch.
Tony Millson - District Field Officer, Lands & Survey, Blenheim.
Ian Mollison - Private Valuer & Farm Management Consultant, Dannevirke.
Stuart Morice - Private Valuer & Farm Management Consultant, Napier.
Brian Neilson - District Appraiser, Rural Bank, Napier.
Dave Nicoll - Senior Farm Appraiser, Rural Bank, Nelson.
Denys Nichols - Public Valuer & Real Estate Consultant, Palmerston North.
Rod Plank - Senior Lecturer in Farm Management Lincoln College.
Nelson Russ - District Valuer, Te Kuiti.
Stewart Skeet - Farmer, Napier.
John Smales - Farmer, Milton.
Don Todd - Rural Valuer & Farm Management, Consultant, Masterton.
Nigel Watson - Rural Valuer & Farm Management Consultant, Napier.
David Webster - D.F.O. Lands & Survey Dept., Christchurch.
Aird Wells - Valuer & Estate Agent, Perth.



Students and spouses of the 1975 VFM class met for a two day reunion/refresher organised by Chris Jones (3rd from right, front row). During the two days they toured the College and the College farms, had a couple of outside speakers (Graham Tate and Pita Alexander) and a number of other sessions led by former class members.

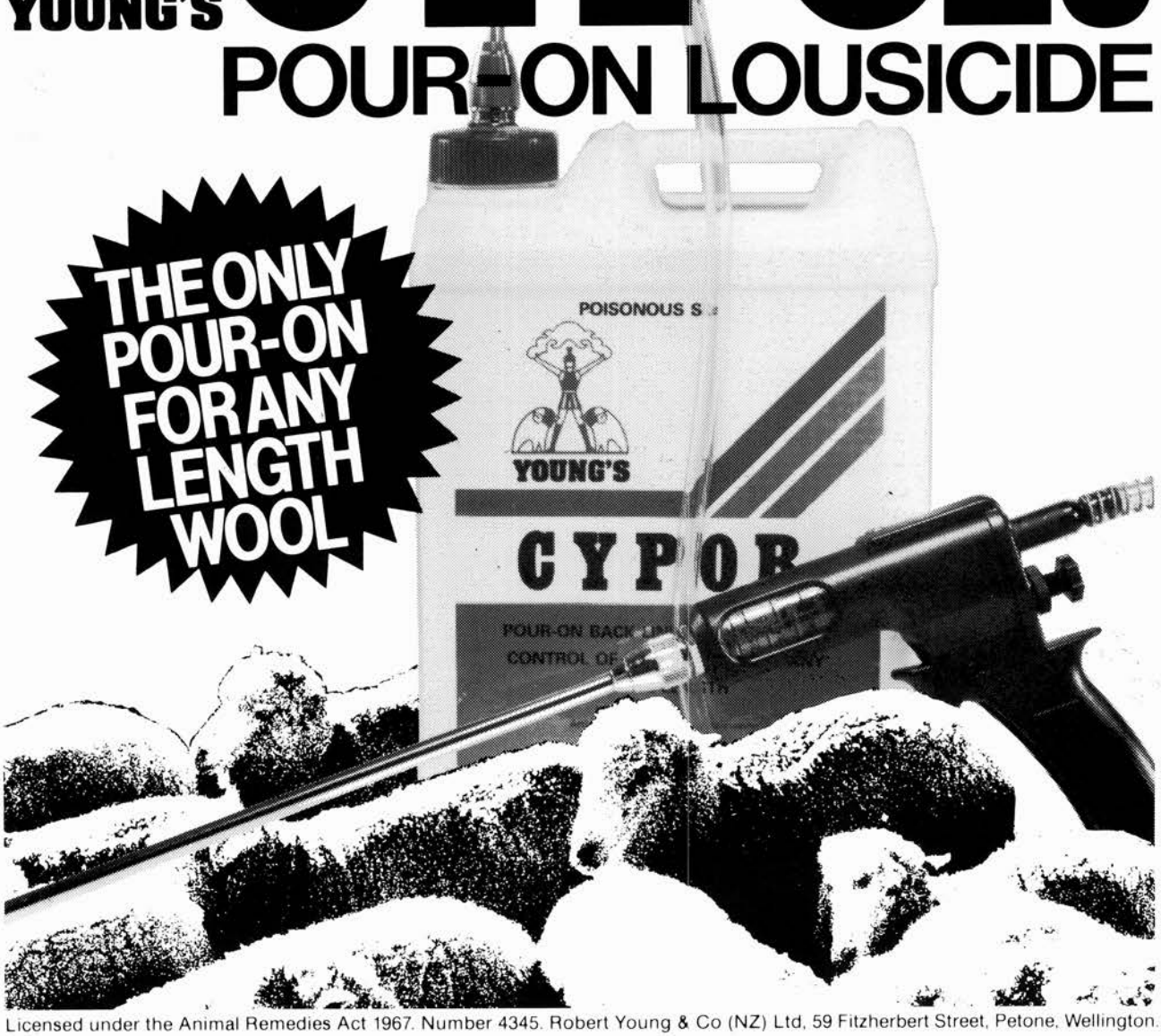
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FROM HERE AND THERE.

CANTERBURY

A large crowd, including a reunion group from the Diploma class of 1935, gathered at Lincoln on May 9 for the AGM and Canterbury Branch reunion. Alan Bilbrough welcomed all present and in presenting his annual report said the past year had been one of growth for the Association, with the formation of the Nelson Branch, and the revival of the Central Districts Branch at Palmerston North.

"Members of the Executive, and College staff have tried to attend as many Reunions as possible. In this way, the link between members and the College is being maintained. With so many children of Old Students coming to the College now, there is a greater interest from the parents in College activities - courses, roll numbers, staff changes and building developments," he said.

"The strength of the Branches lies not only in the number of local members, e.g. Waikato and Southland, but in the calibre of the Secretaries, many of whom have held the position for some years. Two that I have had contact with recently were Bill McKellar, South Canterbury,and Roger Minchin, Southland. Both have served as secretary for many years, both run "ship shape" reunions, and know the majority of members well. Both also produce interesting accounts of their reunions and other news for the Editor of the Magazine," he said.

Membership

Mr Bilbrough reported that membership continued to grow and was now 3550.

"To assist graduates to join the Association as they leave the College we are suggesting that parents pay the first (or part) instalment of a Life Membership of the Association. In this way the foundation is laid for continual association" Mr Bilbrough said.

Magazine & Newsletters

Speaking of the magazine and newsletter Mr Bilbrough said he was always fascinated by the photos produced from the archives - the 1984 crop was no exception with some photos of very youthful looking, well known old students!

Two applicants shared the Lincoln College Old Students Association Bursary for 1985; they were P R Melhopt and D R Clarke.

Financial

"The Annual Accounts show a healthy surplus for the year of 1984/85. Gil Hay, our treasurer must be congratulated on his handling of the Association's financial affairs, and be thanked for his interest in the Association."

Association Tie

A proposal to produce a blue Association tie as well as the green was well received by the meeting and left to the incoming Executive to finalise.

Golf Match

The president also reported on a pleasant afternoons golf match, and presented the cup to the winner Mr H Smith, with balls going to R Hampton (2) and Pat Campbell. Twenty people attended the golf match.

General Business

Mr Bruce Ryde reported that a Fiji Branch had been formed in November 1984.

Mr Bilbrough read excerpts from a letter from Mr Cuthbert Tebb a former staff member.

Neil Taylor reported that the 1962 degree class had had a 22nd reunion in Taupo with 50 attending plus wives.

Election of Officers:

Patron	Professor B. Ross
President	Mr G E Malden
Snr Vice-President	Mr R L Engelbrecht
Jnr Vice-President	Mr G P Rennie
Executive	Ms D J Atkinson
	Mr K Keelty
	Mr P Beatson

Auditor Mr P S Alexander

Those members remaining on the Executive who were not up for re-election were:

Mr G Rothwell
Mr D MacFarlane
Mr W O Harrington

SOUTH CANTERBURY

Bill McKellar (35-36) reports that the 33rd reunion of the S.C. Branch of the OSA was held in the Caroline Bay Tearooms, Timaru, on 19 April, 1985. The President Ray Ward-Smith (62-64) welcomed 72 members including the following from our Parent Association:- Alan Bilbrough (Pres.) Bob Engelbrecht (Jnr Vice-Pres.) and Gil Hay (Treasurer).

A roll call was held and the oldest old student was Ivor Batchelor (30-31) but as he had been honoured two years previously the next oldest student (Erik Hall 34-35 and 38) received an LCOSA tie from Alan Bilbrough.

The toast to the College was proposed by Ivor Batchelor and one to the OSA by our President. He showed plans of the new layout in Ivey Hall for the transfer of the Library and mentioned the 50th anniversary celebration of the 1935 Diploma group to be held in May. Of those 28 students 18 were attending including our Secretary (Bill McKellar). In 1935 there were also 14 second-year Diploma students and 11 on Degree courses - quite a small group compared with present numbers. Arthur Rowell reported on an enjoyable golf match at the Levels Links.

The guest speaker was Alan Warren (63-70) an Agricultural Engineer formerly with Timaru MAF. He gave a very interesting, illustrated address on his two years development project in the Caribbean for the World Bank and described his next project in South America.

Officers elected for 1985-86 were:

President - Pat Dunne (48-50)
Secretary - Bill McKellar (35-36)

Reunions are held each April at the same venue.

Old Student Movements

Land & Survey Dept: T Russel (Field Officer), Timaru to Nelson.

MAF: D Rankin (FAO) Timaru ex Gisborne, G McClimont (F/O) Fairlie transferred to Ag. Research Division, Tara Hills, Omarama as Technician.

Rural Bank: S King now works on a dairy farm at Hilderthorpe, B Morgan (Appraiser) Timaru ex Rotorua, R G Lissaman (Appraiser) Timaru ex Lincoln.

Housing Corpn: R Pyne (Valuer) Timaru to Christchurch.

S.C. Catchment Board: D Stringer (Soil Conservator Timaru) Dip.Nat.Resources Lincoln 1973 completed M. Forestry Science (Cant) 1985.

Valuation: M McSkimming (Valuer) Timaru to Senior Valuer (Urban) Wanganui, M R Schaper (Valuer) Timaru to Senior Valuer (Training) Christchurch, R A Harnell (Valuer) Timaru ex Lincoln, R Bexendine (Valuer) Timaru ex Lincoln.

J M Crawford (VFM 58) General Manager of Polaroid Stores 1983-5 has retired to Motueka. He formerly worked in the Rural Bank before becoming General Manager of the CFCA for 12 years).

OTAGO

Grant Barron reports that the Otago Branch held its 34th annual reunion in the Savoy Restaurant, Dunedin, where 42 old students and partners met on May 28.

Apologies were received from:

R Dowling, A I Bilbrough, J Allison, W Kirkland, R Lord, P Suddaby, M Harrington, A Wither, P Flux, D Gage, N Widdowson, W J M Reid, and W Guild.

The following officers were elected:

President:	W Shirtcliff
Vice President:	R Bragann
Secretary:	G Barron (re-elected unopposed)
Committee Members:	I Harvey, G Edwards, N Widdowson, W Brown, M Harrington.

Mr Steven Jones the Press correspondent with the Sunday Times, London, entertained the meeting with an address on the England touring rugby team and his position as journalist.

We were also fortunate to have colleagues of Mr Jones, (Messrs John Taylor, Barry Newcombe and David Niven) entertain us during the roll call.

Movements:

R T Dowling (63-65) to Gore Branch of RBFC.
E Walter to New Plymouth, RBFC.
A J Still (77-80) recently married and transferred to New Plymouth with Department of Lands and Survey.
T Wright (77-80) farming in the Ashburton district.
H. Milne (77-81) with Southland Farmers Co-op in Invercargill.
G Edwards (80-83) with Reid Farmers, Clinton.
P Flannery (79-82) transferred from Whangarei to Roxburgh Branch of WNMA.

PALMERSTON NORTH

Tim Dean writes that on June 21, 130 gathered for the reunion in The Old Boys' Club Rooms in Palmerston North. Tim Mordaunt welcomed everyone and introduced the two guests, Professor Ross the College Principal and Mr Trevor De Cleene, M.P. for Palmerston North.

Trevor De Cleene who was introduced by Don Newman was an entertaining and witty speaker. He kept us amused with light-hearted events and happenings about various members of Parliament. He was also heard to quip about himself.

Professor Ross had the unenviable task of following Mr De Cleene's speech and updating us with all the happenings at the College. It was certainly a boon to the proceedings to have the College Principal there.

Most of the credit for an excellent evening must go to Tim Mordaunt who initiated, then organised the whole thing with assistance from Dick Kingston and Don Brown. To ensure it was a success Tim obtained sponsorship of $500 from 2XS the local Radio Station, advertised in the newspaper of an impending function and then followed up with personalised invitations.

Our thanks to Tim Mordaunt and his wife, the latter doing flower arrangements, making the punch, setting up the venue and then coming back to clean up.

The only disappointment was the rather large amount of beer left after the 1.00 o'clock finish and can only assume that while 'Old Students' never die they drink a lot less than they used to.

WAIKATO

Malcolm Fluker, Branch Secretary writes that the 32nd annual reunion of the Waikato Branch met in the Flemington Lounge at the Te Rapa Racecourse on Wednesday 12 June 1985.

The President presided over 114 members and one guest.

President's welcome noted that numbers were much reduced on previous years without any clear indication as to why.

Toast to the College was proposed by the President and replied to by Graeme Malden, President of the LCOSA. Graeme brought members up to date with current staff and student numbers at the College noting that female students now totalled 25% of student numbers. A museum was to be established in Ivey Hall and any old photographs or relics of the early days would be appreciated for the museum. A plea was made to old students to join the old students association and at $60 for a life membership it is well worth joining. All students should be encouraged to join.

Guest Artist Phil Kingsley-Jones a Welsh comedian then entertained us with a constant barrage of jokes and gags keeping us thoroughly amused for a solid half an hour.

The following officer-bearers were elected:

Patron: Cuthbert Tebb
President: Mike Lascelles
Secretary: Malcolm Fluker
Committee: Jenny Smith, John Darragh, Barry Cashmore, Hamish McKegg, Stan Jacobs, Peter Sporle, Peter Monrad, Bruce Grinlinton and Jock Sharp.

Roll call was taken interspersed with the usual good yarn and the College tie was awarded to Tom Hickmott who attended Lincoln College during the years 1951-52.

Although there was a disappointing turn-out of members compared with previous years those attending thoroughly enjoyed themselves and feed-back indicated it was one of the best reunions held for some time.

AUCKLAND

The Auckland Branch met on October 10 at the Ramarama Country Inn. Sharon Taylor (78-81) reports.

The following attended:
Max Adams (VFM 1960-61), Owen Calvert (B.Agr.Sci. 1981-84), Greg Clout (Dip.Ag. 1971-72), Ross Hevelot (B.Agr.Sci. 1965-69), Graeme Malden (Dip.Ag. 1948-49), Warwick Marsh (VFM 1958-59), David Otley (VFM 72-75), Sharon Taylor (B.Agr.Sci. 1978-81), Garth Wilcox (B.Hort.Sci. 1969-72), Bob Bonner (VFM 1961-62) (visiting from Waikato), Bruce Cleary (Dip.Ag. 1935-36), Rob Craig (B.Ag.Sci. 72-77), Malcolm Irwin (B.Agr.Com. 1971-73), Selwyn Manning (B.Agr.Sci. 1962-65, 1967-68), Andrew Morgan (Dip.Ag.F.Mgt. 1982-83) and Warren Priest (B.Agr.Com. 1969-73).

Apologies were received from: D Loxton, N Darroch, D Ives, E Chamberlain, A Lindsay, M Buchanan, O Saxton, W Graham, G Macindoe, K McCarthy, M Carter, G Beck, M Blampied, M Carter and S Yurricks.

Election of Officers:
Sharon Taylor, Secretary, resigned due to her transfer to Hamilton. Rob Craig was elected and will be supplied with razor and skirt for future meetings.

Warren Priest was re-elected Chairman. Committee will remain the same as last year with the addition of Selwyn Manning.

Graeme Malden gave a report on the College and told some jokes.

Warwick Marsh gave a report on Guy Ashton's business developments.

TARANAKI

Secretary, P M Wiles in a brief report states the Taranaki Branch held a successful annual dinner for 32 Old Students (48 guests in total) on May 3. The oldest student was Ron Freeman 1930/31 and was awarded the traditional old students tie.

Eliaser Negumbo is now a lecturer at Ogongo Agricultural College, Oshakati.

Morley Donaldson the South Canterbury district valuer of the Valuation Department, has been promoted to supervising valuer, Christchurch.

A valuer in the department in Timaru for the last 25 years Morley in his new job will be responsible for the whole of the South Island except Nelson and Marlborough. The offices of Christchurch, Timaru, Dunedin, Invercargill, Alexandra and Hokitika will come under his control.

Morley replaces Tom Barnett, who retired prematurely because of ill health.

Replacing Morley Donaldson is **Allen G Johnson.** Brought up in Southland and educated at Southland Boys High School, Allen graduated from Lincoln College in 1960 with a Diploma in Valuation and Farm Management.

Before 1960, he also worked on farms in north Southland, Taihape, Central Otago and Whakatane. He joined the Valuation Department in Dunedin in 1961, working throughout Otago until 1968 when he was appointed the position of senior valuer in Timaru in that year.

Between 1968 and 1972 he valued virtually all of the high-country runs between the Waitaki and Rakaia Rivers.

In 1972 Allen was appointed district valuer, Nelson.

Three years later he was transferred to the North Island where for the last 10 years he has been the senior district valuer in New Plymouth. He was instrumental in founding the Taranaki Branch of LCOSA.

Wendy Hogg a Ministry of Agriculture farm advisory officer from Timaru has been appointed a sheep industry training adviser in Papua New Guinea's highlands for two years.

A graduate in farm management from Lincoln College she will be based at the Highlands Agricultural College at Mount Hagen.

Bob Diprose has been appointed executive director of the newly incorporated Poultry Industry Association of N.Z. The foundation members of this Association are: General Foods Poultry Ltd (Tegal Poultry Co [N.I.]) (Tegal Poultry Co. [S.I.]), Golden Coast Poultry Industries Ltd, Table Talk Chicken

Ltd, Harvey Farms (Yates Corpn Ltd), P H van den Brink Ltd, Sandy Lodge Ltd, Poultry Processors (NC) Ltd.

Bob's new address is:
Poultry Industry Association of N.Z.
3rd Floor, Parnell Business Centre
280 Parnell Road
P O Box 37-472
Parnell
AUCKLAND

In January 1985, **Alan Warren** of Pleasant Point left for Brazil to help establish a data processing facility to improve beef production in that country. There he was a consultant working in conjunction with Gene Pool, a New Zealand firm that has been engaged by a Brazilian company to get the project under way.

Duncan Rankin is with MAF Timaru after spending a period with the Ministry at Gisborne.

Owen Calvert has joined Bruce Beckingsale at the MAF, Fairlie.

In February **Malcolm Allison** left for Saudi Arabia to work as a crop manager for a 640 ha property growing feed for a 1500 head dairy herd.

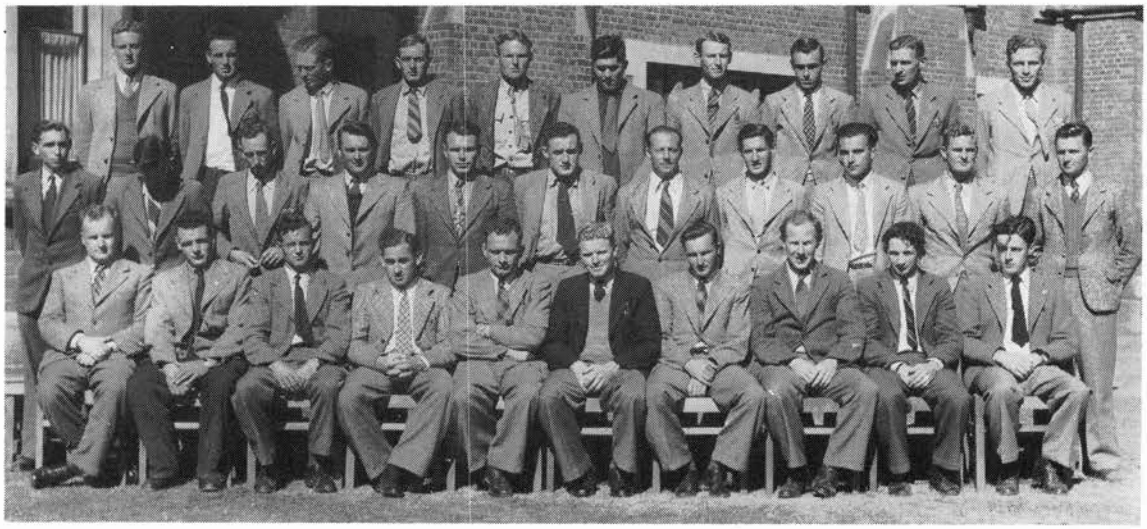
Bob Lord (1949) RBFC has retired after a 24 year stint in the Dunedin office. Joining the Department in 1942 Bob did V.F.M. in 1949, and served with State Advances Corporation in Dannevirke, Timaru Hamilton, Napier, Blenheim and Nelson as District Appraiser, before transferring to Dunedin in 1961. He and his wife Margaret will retire in Dunedin. His successor is Graeme Lill.

Bruce Ryde has been awarded Fellowship of the New Zealand Society of Farm Management.

Ian Donald (Dip.VFM 1959) executive director of Fletcher Challenge Ltd, rural sector, was appointed president and chief executive of FCL's Canadian company, Crown Forest Industries.

Dr Ian Blair and Prof. T.W. Walker have been re-appointed, Guardians of Late Wanaka, by the Minister for the Environment. They serve in that capacity with old students and farmers F. Hunt and Peter Gordon.

Keith Whiteside has been appointed South Island regional manager for Elders Pastoral Ltd., located in Christchurch.



VALUATION AND FARM MANAGEMENT 1949

BACK:	*M. McAdam, W. Marshall, B. Wright, J. Preston, K. Mayo, J. MacFarlane, O. Sly, R. Bush, L. Hinchy, Watson.*
MIDDLE:	*G. Day, M. Findlater, R. Smith, A. Kearton, A. Harding, M. McSporran, R. Holland, S. Wilson, R. Dufaur, A. Johnston.*
FRONT:	*T. Childs, M. Sanders, J. Sherwood, G. Neiderer, H. Gilson, H. King, J. Engel, J. Stewart, R. Lord, M. Poff.*

Fifty Years Ago

(Reproduced from the Canterbury Agricultural College Magazine, December 1935)

CANTERBURY AGRICULTURAL COLLEGE

(Founded 1880).

Board of Governoirs:

Professor H. G. DENHAM (Chairman).

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W. A. BANKS	N. M. ORBELL
C. H. HEWLETT	W. O. RENNIE
G. F. WRIGHT	H. S. S. KYLE, M.P.

Professorial Board:

Director:

Professor R. E. ALEXANDER, A.R.C.Sc.I. (Chairman)

Prof. H. G. DENHAM	Dr. I. W. WESTON
Prof. A. H. TOCKER	M. J. SCOTT
Prof. E. PERCIVAL	A. LESLIE
Prof. F. W. HILGENDORF	

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Biology	Professor F. W. HILGENDORF, M.A., D.Sc., F.N.Z. Inst.
Asst. Biology	J. W. CALDER, M.Sc., B.Ag., Dip. C.A.C.
Chemistry	M. J. SCOTT, B.A. (Cantab), B.Sc., A.I.C.
Asst. Chemistry	D. J. SIDEY, B.Ag., H.D.D., Dip. C.A.C.
	M. C. FRANKLIN, M.Sc., Ph.D. (Cantab), A.I.C.
Veterinary Science	A. LESLIE, F.R.C.V.S.
Economics	I. W. WESTON, M.Sc., Ph.D.
Engineering	R. L. JAMES, A. A. S. E. (Civil).
Entymology	L. MORRISON, B.Sc. (Agric.)
Machinery and Implements	R. A. FOUGERE, Dip. C.A.C.
Pasture Management	A. H. FLAY, M.Ag.Sc., B.Sc., Dip. C.A.C.
Assistant	C. P. TEBB.

Secretary: MRS BATCHELOR.

Assistant-Secretary: A. CALDER.

Matron: MISS LILBURNE.

Farm Staff:

Farm Overseer	R. A. FOUGERE
Mechanic	J. C. MACINTOSH
Shepherd	J. LINTON
Teamster	G. REASBY
Stockman (Cattle)	C. J. HOPE-JOHNSTONE
Stockman (Pigs)	V. RUSSELL (Asst.)
Saddler	A. GRAY
Gardeners	J. RUSSELL, G. GILLETT
Manager—Ashley Dene	A. HINES

COLLEGE ROLL.

Second Year:

Diploma:—

Blunden, N. R., Oxford
Boot, V. P., Christchurch
Castling, J. G., England
Carswell, S. K., Dunedin
Deans, R. G., Darfield
Earl, L., Christchurch
Edbrooke, R. F., Darfield
Gow, P. B., Winton
Hipango, H. G., Wanganui
Hall, E. W., Timaru
Harbord, W. L., Bluff
*May, G., Christchurch
Murray, W. M., Mosgiel
Nairn, M. E., Hastings
Shand, P. A., Bienheim
Thomas, T., Christchurch
Wright, A. C., Christchurch
*Wrightson, J. G., Waikato
Reid, R. J., Outram

First Year:

*Baker, L., England
*Begg, J. W., Dunedin
Bischoff, C. R., Auckland
Bowker, J. S., Amberley
Cleary, W. P. B., Christchurch
Deans, P. A., Coalgate
Deans, H. H., Homebush
Emmet, W. S., Wanganui
Falconer, T. R., Dunedin
Hay, H. B., Timaru
Maclean, J. S., Invercargill
McKellar, W. A., Dunedin
Neilson, D.W. H., Hawkes Bay
Nelson, G. H., Wellington
Nicholls, B. A., Christchurch
Pavletich, P. B., Hakataramea
Rennie, G. E., Doyleston
Seymour, C., Gisborne
Williams, A.D.B., Hawkes Bay
Williams, W. E., Dunedin
Williams, H., Westport
Wilson, J. C., Lauder
*Young, N. B., Christchurch
Hayes, R. S., Murchison
Fryer, R. F., Christchurch
Holmes, H. G., Auckland
Morris, L. L., Pembroke

Degree:—

Fourth Year:

Ballinger, E., Christchurch
Blackmore, L. M., Christchurch
Blair, I. P. M., Wellington
Elliott, I. L., Nelson
Fleming, J. R., Methven
Harris, C. S., Nelson

Third Year:

Armstrong, M. C., Dunedin
Grenall, A. F., Southbridge
Wilkie, D. R., Dunedin

Second Year:

Brown, M., Christchurch	Robinson, W. R., Timaru
Lobb, R., Timaru	Wallace, V. B., Whangarei
Millar, A. J. S., Dunedin	

First Year:

Copeland, A. A., St. Andrews	Harrow, K. M., Timaru
Dick, R. D., Oamaru	Newall, D. W., Timaru
Garrett, H. E., Christchurch	McKerchar, S., Lochiel

*Left during the year.

The Canterbury Agricultural College Magazine

No. LX. DECEMBER, 1935. VOL. V.

EDITORIAL.

With the close of the year, it means the termination of attendance at the College for a certain number of students. The severing of ones connection with such an institution can never be fulfilled without a certain amount of regret. The youth of New Zealand is particularly fortunate in having at his disposal the knowledge accumulated over a long term of years by one of the oldest agricultural colleges in the world.

Perhaps it is impossible in two years to convert a city lad into a fully fledged farmer, but if the College has taught him to think agriculturally and to be conscious of the changes in the country each day, then the value of his term here cannot be measured.

Such an institution is always the centre of criticism. We may be proud of it, for no body which is perenially in the public's favour is delving into new fields.

The College is looked to for guidance in matters pertaining to new agricultural practices, and as it is the world over, farmers here are sceptical of new developments. It is our duty to demonstrate the utility, or otherwise, of any new claim. The fact that the College has developed into such a fine institution over the half-century is surely proof positive that it has served the public nobly.

Our Old Boys can be seen occupying positions of trust and responsibility throughout the world.

Agricultural education must now be classed as of utmost importance. It is the one science which affects every individual in the Dominion. We are dependent upon it for the prosperity of our people; the position of the agriculturalist being a barometer to the activity of trade in the city. Neglect agriculture and the backbone of the nation suffers.

The education is essential, but for its success it is imperative that there is absolute harmony existing between farmer and scientist. This is now becoming universally appreciated.

The farmer, too, is becoming more conscious of the fact that many of the old traditional practices have outlived their term of usefulness. He is now assuming the lead and leaving it to his associates and the scientist to modify his "discovery" to the conditions prevailing in other districts. This awakening and activity on the part of the farmer can be hailed as their greatest advance of the century. S

FOOTBALL, 1935.

The past season was characterised by great enthusiasm of players in the early stages. Play began in the first term on an irrigated portion of the cricket field, where a temporary ground was marked out.

The season was officially opened by a Degree v. Diploma match, in which the latter won by a narrow margin after a fierce encounter.

In the Ellesmere Sub-Union Competitions, the 1st XV in the senior grade finished the season in third position. Two unfortunate injuries disorganised the back-line right from the beginning of the season and weakened the team considerably.

The 2nd XV were in the junior grade as usual.

Enjoyable friendly matches were played against Training College, Boys' High School, Christ's College and College House.

The Christ's College match was notable in that it was played on a snow covered field.

Two senior and one junior teams were entered in the annual Seven-a-side tournament. The senior A team were decidedly unlucky to lose in the final by 3-0 after having all the better of the play.

The following played in the Ellesmere representative team, on various occasions:—Blair, P. Deans, Copland, Dick and Wallace.

Blair and P. Deans also played for the Southern Sub-unions and Country representative teams. Blair was nominated for the N.Z. University team and played in a trial game in Wellington. Garrett was chosen for the junior Ellesmere Team.

1st XV football caps were awarded to:—Blair, Wallace, Robinson, R. Deans, Wilkie, Copland, H. Deans, Hay, MacLean, Harbord, Dick, Blunden, P. Deans, Greenall, Earl and Carswell.

The Matron has our thanks for providing refreshment after the games.

College v. Southbridge (at College): Won 14—12.

The first match of the season was played under perfect conditions, the ground having been irrigated during the Summer. After both sides had staged attacks, a bad bout of passing amongst the College inside

Ellesmere Competition—Senior Grade.

27 4 35. v. Southbridge, at C.A.C.: Won, 14—12.

4 5 35. v. Leeston, at Leeston: Lost. 9—11.

18 5 35. v. Waihora, at C.A.C.: Lost. 6—9.

25 5 35. v. Lincoln, at Lincoln: Won. 6—0.

1 6 35. v. Dunsandel, at C.A.C.:—Won, 3—0.

15 6 35. v. United, at Springston: Won, 6—3.

22 6 35. v. Southbridge, at Southbridge: Lost, 3—17.

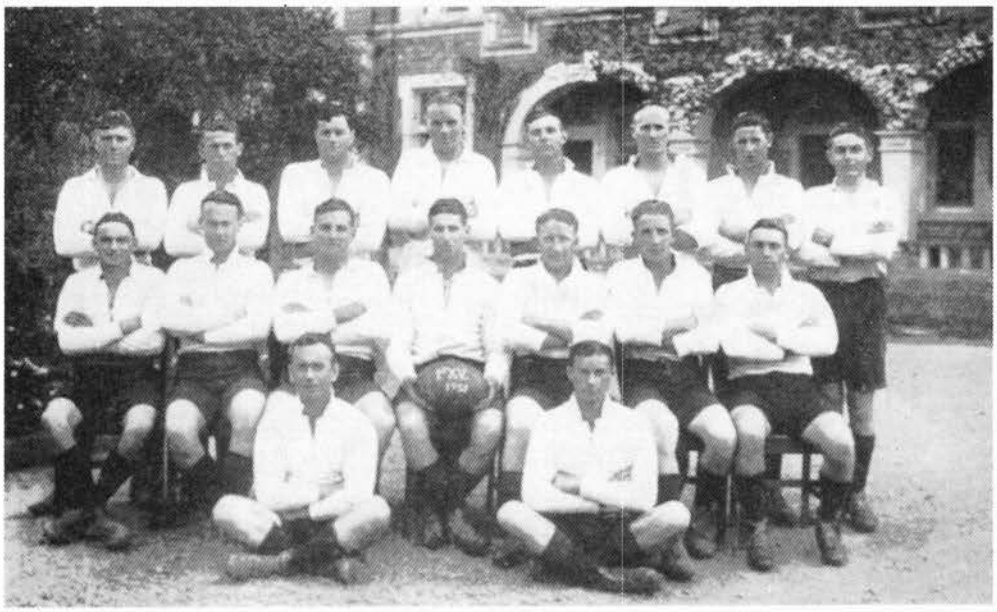
29 6 35. v. Leeston, at C.A.C.:: Won, 32—0.

20 6 35. v. Waihora, at Motukarara: Lost, 0—22.

27 7 35. v. Lincoln: Lost. 0—4.

3 7 35. v. Dunsandel, at Dunsandel: Won, 10—6.

10 7 35. v. United: Won, 9—0.



FIRST FIFTEEN, 1935.

H.B. Hay, S.K. Carswell, P. Deans, D.R. Wilkie, H. Deans, A. Geenall, J.S. Maclean, V.B. Wallace
N.R. Blunden, L. Earl, R. Deans, I.D. Blair (Capt.), R.D. Dick (Vice-Capt.), A. Copland, W.R. Robinson.
W.L. Harbord, N.C. Armstrong

Other Games.

13 4 35. v. Ch'Ch Training College: Won, 11—3.

11 4 35. v. Ch'ch Boys' High School fifteen: Lost, 9—11.

v. Waihora: Lost, 9—3.

v. Irwell: Lost, 11—0.

v.Lincoln: Lost, 10—3.

v. Southbridge A: Lost, 12—0.

v. Waihora: Lost, 17—6.

Criticism of First Fifteen.

Blair.—Captain of the team. A good type of forward, excelled in dribbling and short passing. Has a good knowledge of the game.

Dick.—Vice-captain. Had the misfortune to break his collarbone early in the season, and the team lost a first-class second five-eighth.

Wallace.—A hard working front-row forward. Is inclined to play in the open too much. An excellent hooker.

Robinson.—An aggressive front-row forward. Works hard in the tight and is always on the ball.

Wilkie.—A good side-row forward. Improved during the year, but was not very keen.

R. G. Deans.—A hard working lock, using his weight in the tight. A good tackler.

Copland.—An experienced player who works hard from start to finish.

H. H. Deans.—A hard working forward. Uses his weight in tight and should do well as he gains experience.

Hay.—Played first five-eighth for part of the season, and did very well in this new position. Later in the season went back to the front row and played some good football.

Maclean.—A good type of loose forward who handles well. Tries to intercept when he should go for the man.

Harbord.—Played in the front row last year, but had to be played at half-back, and did creditably enough.

Edbrooke.—A good type of five-eighth who has natural ability and will improve with experience.

Blunden.—A fast and tricky runner. Played a much improved game this year.

P. A. Deans.—Played some fine games at centre early in the season, but disorganisation among the inside backs hampered development. Should make a determined effort to recover dropped passes and beat the opposition to it.

Earl.—An aggressive wing three-quarter. Knows what to do when he gets the ball.

Greenall.—A fast strong runner, and played fairly well at wing three-quarter considering he is a forward. Kicked some fine goals, but was not consistent.

Armstrong.—Played full-back, and showed considerable improvement during the year.

Carswell.—A reliable full-back. The team was unfortunate enough to lose him early in the season owing to a broken leg.

"—— AND SO THEY LEARN."

When I came to the College as a very young lad,
Said I to myself said I.
I'll teach them things to surprise many a cad,
Said I to myself said I.
I can't believe that an old man like Dick,
Whose eyes are so kind and whose shirts are so chic,
Can tell the sharp end of a fork from the thick,
Said I to myself said I.

The students here they are extremely green,
Said I to myself said I.
They can't milk cows by hand or machine,
Said I to myself said I.
The things I can do will make them snort—
To me milking and gorse-cutting are merely sport,
And lectures I absorb without much thought,
Said I to myself said I.

This fellow named Linton, who meddles with sheep
Said I to myself said I.
Will give up his job and pay for his keep,
Said I to myself said I.
For I'll teach him a Border's a Border and not a Southdown,
That shearing is done with derriere up and head far down,
That the way he dips is foolish—the way of a clown,
Said I to myself said I.

As for this guy named Loupy—an Aberdonian vet.,
Said I to myself said I.
Who's a voice that's a shriek—the shrillest I've met,
Said I to myself said I.

I'll show him things that will make him bleat—
Things that will get him slung out of his seat,
You know, he can't tell a cow's tail from the teat,
Said I to myself said I.

And this bonehead the gardener, the chap called Mock,
Said I to myself said I.
Why he can't distinguish rhubarb from dock,
Said I to myself said I.
I'll teach him to grow some "hundra percent" crops
And that as Cinerarias his are absolute flops,
While his potatoes and onions are nothing but tops,
Said I to myself said I.

But I'd only been here four days of a week,
Said I to myself said I.
When hooligans grabbed me and spoke of a creek,
Said I to myself said I.
They said "you're a bounder and a so-and-so skite,"
My body they greased as black as night,
And troughed me in water with cries of delight,
Said I to myself said I.

So all you young wiseheads who enter this place,
Said I to myself said I.
Don't air your great knowledge but wear a blank face,
Said I to myself said I.
Look on Second-year Dips, as chaps who know all,
Otherwise for sure at the trough you will call,
And bear on your seat the marks of your fall,
Said I to myself said I.

I.D.B. & J.G.C.



FIRST IX., 1935.

R. Bishoff, R. Frier, M.C. Armstrong, D. Neilson, H.B. Hay, G. Rennie, N.R. Blunden, R.F. Edbrooke, A.C. Wright (Capt.), W. Murray, R.D. Dick, A.G. Wilson.



Farm Group, 1935

COLLEGE WEDDING.

Among our social gathering this year one particularly noteworthy function, unique in the history of the College, was the marriage of Mary, elder daughter of Professor R. E. Alexander, our Director, and Mrs Alexander. The bridegroom was Mr. David McLeod, son of Mr. Addison McLeod, London and the late Mrs. McLeod.

The bride was attended by five bridesmaids, Miss Deborah Alexander, Miss Sybil Rutherford, Miss Sheila Atkinson, Miss Patricia Bowrie and Miss Sylvia Orbell. We are all agreed that the bride and her attendants looked very charming. Mr. Bernard Thomas was best man and Mr. N. Alexander, Mr. A. Leslie, Mr. W. Westenra and Mr. C. H. Bethel were ushers.

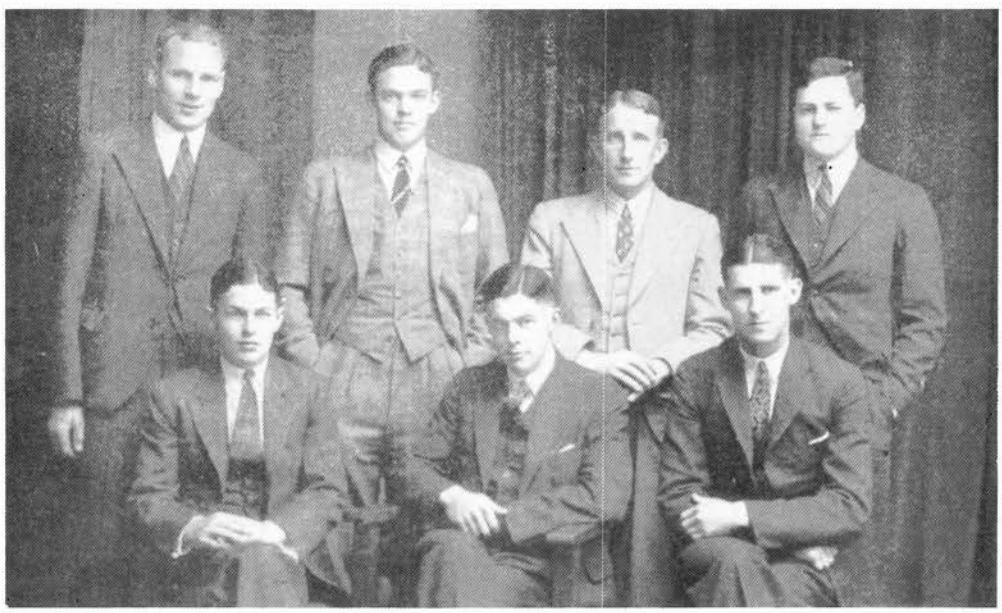


The Bride, Director and Bridesmaids.

As the bride and bridegroom left the Hall after the ceremony, they passed beneath our archway of pitch-forks, shovels, gorse-knives and buffers, amidst a shower of farmyard confetti in the form of wheat. At the reception, the bride and bridegroom received the good wishes of many friends who were entertained in a large marquee on the lawn. After a little gentle persuasion, the happy couple were induced to commence their wedding tour in one of the stock-carts which issued from the crowd at the main entrance, drawn by the more stalwart of our members, and proceeded down the drive at full gallop followed by a kerosene tin and an old boot or two. A little later, the stock cart returned relieved of its burden, from which we concluded that the couple had made a good start on their wedding tour to Fiji.

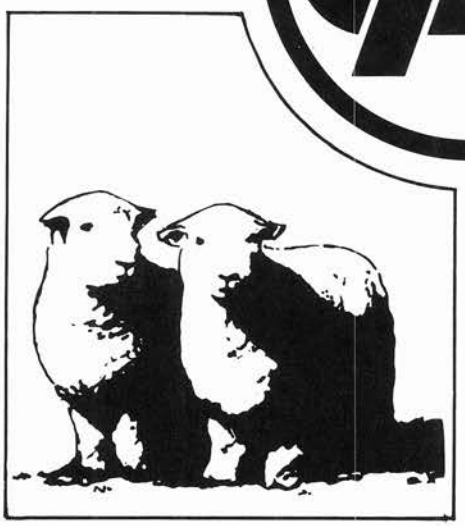
To celebrate the occasion, the Director and Mrs. Alexander entertained us with many other guests and Old Boys at a very enjoyable dance held in the Memorial Hall. We wish to take this opportunity to express our thanks to the Director and Mrs. Alexander for a very enjoyable evening.

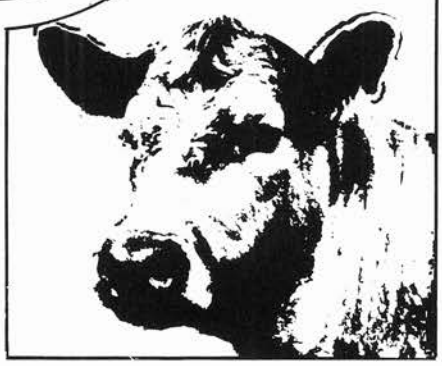
Naturally, it is not without some feelings of regret that we realise that the function marks the termination of a long and valued association of the bride with the activities of this College and its students, an association which was concerned not only with our social activities, but also with the administrative activities attached to the work of the secretarial staff. Such a move, however, was inevitable, and we can only join with her many friends in wishing her and the bridegroom happiness and prosperity in their future upland home, Grassmere, at Cass, and express the hope that they will be present at some of our social functions in the future.



STUDENTS' EXECUTIVE.

D.R. Wilkie, D. Neilson, R.D. Dick, P. Deans, W. Murray (Secretary and Treasurer), A.C. Wright (President). I.D. Blair (Vice-Pres.)





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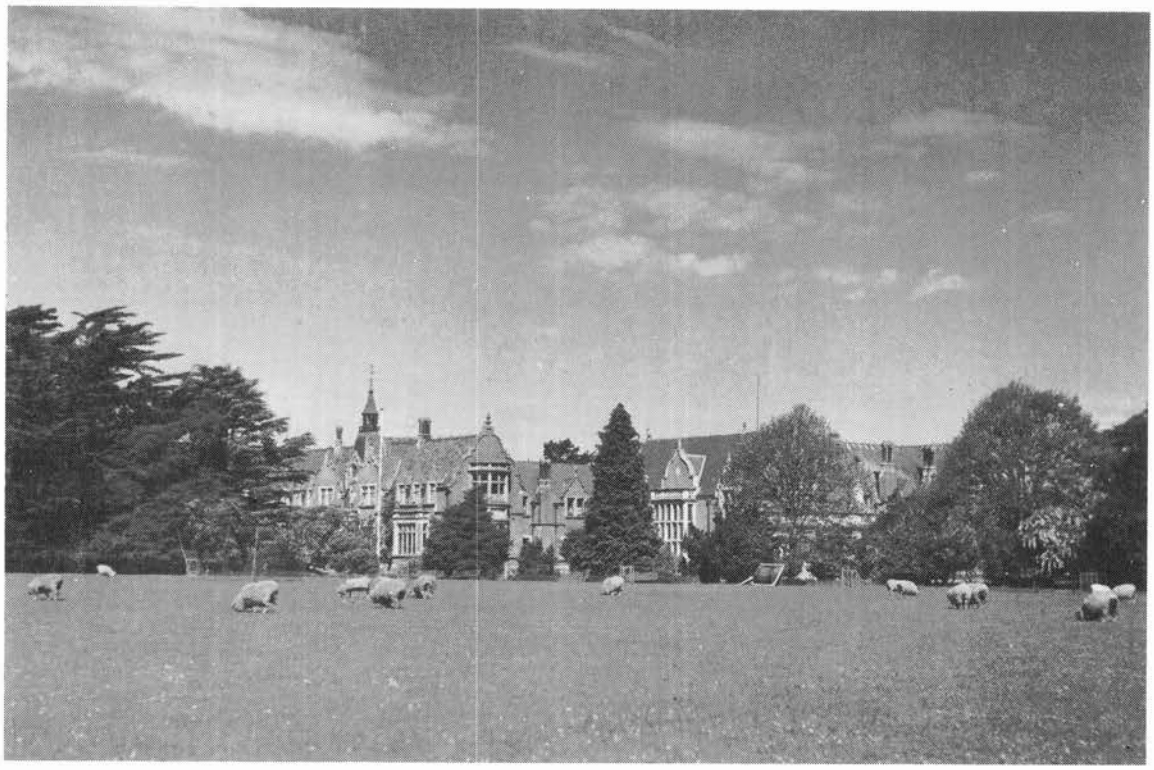
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From the Archives

HONOURS LIST.

FINAL CERTIFICATE.

1882
Brown, W. V.
Knight, H. A.
Partridge, J. T.

1883
Bing, J. W.
Birdling, A. J.
Ellis, H. J.
Tiffen, G. N.
Whitcombe, E.
White, W. B.

1884
Dickson, J. M.
Gardner, W.
Joynt, J. W.
Orbell, A. S.
Tiffen, F. A.

1885
Allan, A. L.
Burt, J. A.
Gabites, G. E.
Gray, A.
Piercy, W. H.

1886
Williams, R. K.

1887
Rennie, G.

1888
Cantrell, R. A. S.
Hill, D.
Hosking, A.
Hosking, F.
Rollason, E. M.
Swanston, W. E.

1889
Lyne, R. N.

1890
Clark, T. P.
Fuller, A. E.
Murray, R. W.

1891
Acton-Adams, R.
Burt, J. R.
Couch, O.
Gardner, J.
Martin, E .E.
Martin, R. H.

1893
Leys, C.

1894
McCrostie, J. W.
Stewart, G. H.
Waddell, W.
Withy, H.
Worthy, E. T. B.

DIPLOMA.

1895
Bowker, J. B.
Davie, W. C.
Edwards, H.
Gardner, R. McQ.
Robertson, B. H.
Roberton, E. B.
Smith, E. C.
Shaw, J. P.
Tomlinson, D. M.

1896
Andrews, M. G.
Gabites, F. C. M.
Hosking, R. V.
Rolleston, J. C.
Marshall, G. L.
Wright, D. G.
Matthews, G.

1897
Small, H.
Hutton, V. M.
Palethorpe, T.
Duncan, N. M.
Manning, W.

1898
Grant, W. T.
Gurr, A. J.
Pockley, H. C.
Rennie, W. O.
Shand, Y. T.
Willis, J. D.

1899
Black, H. W.
Stewart, W.
North, W. B.
Withy, C.

1901
Goss, H. J.
Penniket, J.
Montagu, J. H.
Broughton, G. W.
Campbell, F.

1902
Ranstead, J.
Ranstead, W. L.
Winstone, A. R.
Roper, J. W.
Mays, A. A.
Goodall, J. E.

1903
Curriculum extended.

1904
Maude, E. A.
Cooper, E. S.
Wigley, H. T.

1905
Colebatch, J. C.
Brown, J.
Abbott, A.
Dixon, C. G.
Hamilton, L. J. G.

1906
Balsillie, W. J.
Ariell, D. W.
Hudson, W.
Wright, F. G.
Allan, J. C.
Jacobs, W. A.

1907
Osborne, G. W. R.
McEwen, J. C.
Newmarch, A. D.
Batkin, F. W.
Hutton, N. H.
Chrystall, J.
Jekyll, E. J.

1908
Grimwade, E. N.
Warburton, E. D.
Ariell, A. T.
Price, T. G.
Gilbert, G. W.

1909
McDonald, E. O.
Tressider, P. H.
Eustace, W. W.
Beamish, E. A.
Ormond, G. E.
Hudson, R.
Atack, A. H.

1910
Scott, L. B.
Reed, C. W.
Moore, A. B.
Fisher, G. B.
Carroll, J.
Batkin, F. B.
Louch, H. F.
McKibbin, J. F.
Watchorn, R. W.

1911
Martin, J.
Nicholson, W.
Haines, L. N.
Stedman, G. L.
Woodrough, S.
Schmidt, F. O.
Wood, D. T.

1912
Anderson, A. D.
Thomson, M. J.
Low, R. J.
Yardley, W. A.
Carroll, T. A.
Meehan, M. J.
Chrystall, G. B.
Mathias, C. L.

1913
McQueen, J. A.
Ormond, A.
Fougere, P. B.
MacGibbon, D. A.
Gummer, F. G.
Turner, C. P.
Hooke, F.
Martin, A. B.

1914
Hawke, R. W.
Perham, A. N.
Isaacs, R.
Beale, G. H.
Johnston, J. H.
Smith, E. W.
D'Oyly, H. P.
McCaw, A. C.

1915
Allan, C. D.
Evans, W.
Manning, L. I.
McMillan, W. B.
Rennie, J. S.

1916
Paulsen, N. M.
Miller, E. C.
Turner, R. A.

1917
Stephens, O. C.
Sime, E.
Mackenzie, K. A.
Bowker, L.

1918
Glasgow, W. J.
Faulkner, C. R.
Scott, A. H.
Cook, V. B. M.
Elliott, W. M.

1919
MacDougall, R. O.
Coates, J. M. P.
Todd, B.
Nicoll, A. J.
Bond, T. T.
Harkness, A. L.

1920
Smith, R. C.
Cargill, A. W.
Jones, F. G.
Pennycook, J. H.

1921
Bell, J. A.
Partridge, A. H.
Wilson, J. A.
Fougere, R. A.
Miller, H. R.
Leitch, C. C.

1922
Stevens, P. G.
Reeve, C.
Warren, G. W.
Ormond, D.
Martin, W. G.

1923
Lloyd, J. H. G.
Page, T. G. W.
Larcombe, —
Childs, S. C.
Blackmore, B. B.
Gillies, W.
Heward, H. R.
Redfern, C. O.
Orchard, J. F.

1924
Glasgow, R. E.
Houghton, H. S. F.
Jones, J. C.

1925
Bell, J. E.
La Roche, S. A.
Bell, D. L.
Ruddenklau, K. H.
Ruddenklau, R.
Martin, G. A.
Calder, G. G.
Granville, E.
Hopkins, J. M.
Miller, R.
Bull, H. McM.
Orchard, A.
Monk, F. G. S.

1926
Stafford, W. E.
Stevenson, K. J. O.
Hay, W. S.
Brien, R. M.
Gray, H. N.
Jellett, F. H. L.
Sellwood, T. A.

1927
Brown, J. B.
Cooke, M. B.
Knight, R. B.
Davies, P. H.
McGregor, C. S.
Miles, I. H.

1928
Young, W. G. A.
Blair, R. B.
McKellar, T. A.
Riley, F. M.
Alexander, N. O'D. A.
Adams, H. W. M.
Lublow, H. A.
Saxby, S. H.
Ormond, A. R.
Talbot, J. H.
Gibson, F. D.

1929
Blackie, D. M. G.
Chamberlin, E. H.
Jones, G. E.
Kerr, E. W.
McLeay, W. G.
Ward, A. B.
Throp, K. W.
Upton, J. R.

DEGREE STUDENTS.

1913
W. S. Hill, B.Ag., Ph.D.

1914
G. H. Holford, B.Ag.

1921
N. P. Neal, B.Ag., B.Sc.
P. W. Smallfield, M.Agr.Sc.

1922
I. S. McHarg, B.Ag., B.Sc.

1922
N. S. Tankersley, B.Ag.

1923
J. W. Calder, B.Ag., M.Sc.
L. W. McCaskill, M.Agr.Sc.
G. Holgerson, B. Ag.
W. C. Purdie, B.Sc., B.Ag.
C. L. Gillies, B.Ag.
E. R. Hudson, B.Ag., B.Sc.

1924
S. D. Barr, B. Ag.
J. H. Dennehy, B.Ag.
A. W. Hudson, B.Ag., B.Sc.
C. J. Hamblyn, B.Ag.
G. A. Holmes, M.Sc., B.Ag.
K. E. McKinnon, B.Ag.

1925
S. A. La Roche, B.Sc., B.Ag.
R. H. Bevin, B.Ag.
H. R. Heward, B.Ag.
G. W. Wild, B.Ag.
K. G. McIndoe, B.Ag., M.Sc.

1926
R. A. Calder, B.Ag., B.Sc.
J. G. Gibbs, B.Ag.
A. Y. Montgomery, B.Ag.
J. H. Claridge, B.Ag.

1927
D. J. Sidey, B.Ag., H.D.D.
R. J. Veale, B.Ag.

1928
A. H. Flay, B.Sc., M.Agr.Sc.
C. E. Iverson, M.Agr.Sc.
D. W. Sutton, B.Ag.
G. K. McPherson, B.Ag.

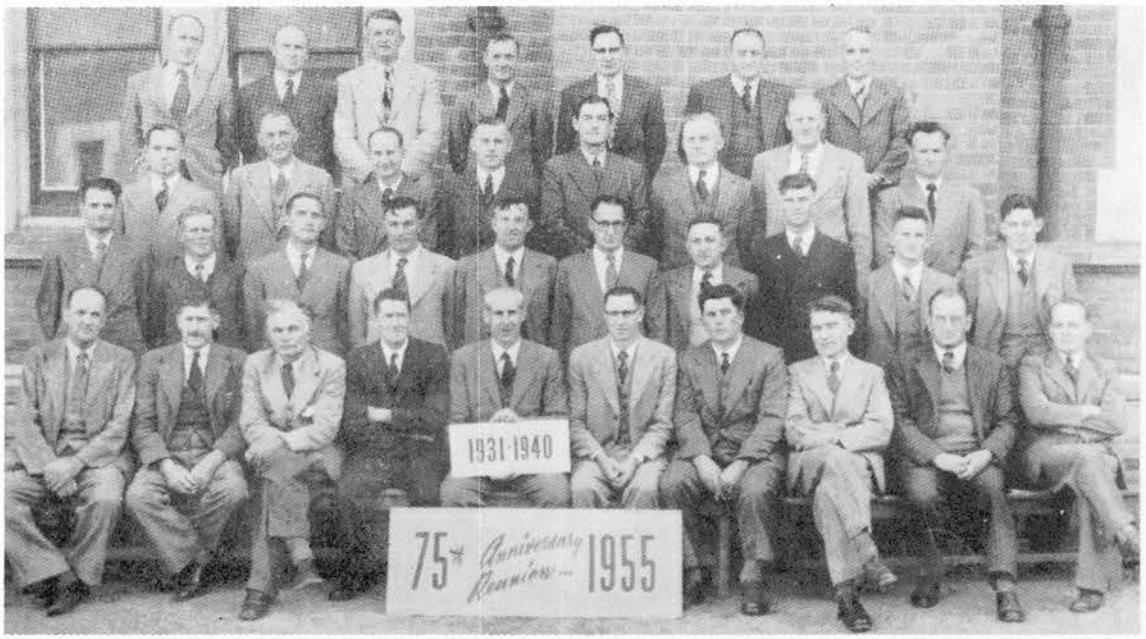
1929
W. B. Martin, B.Ag.
L. W. Gorman, B.Ag.

1930
D. A. Campbell, B.Sc., B.Ag.
D. N. Ferguson, B.Ag.
S. Mills, B.Ag.
H. J. Geddes, M.Agr.Sc.

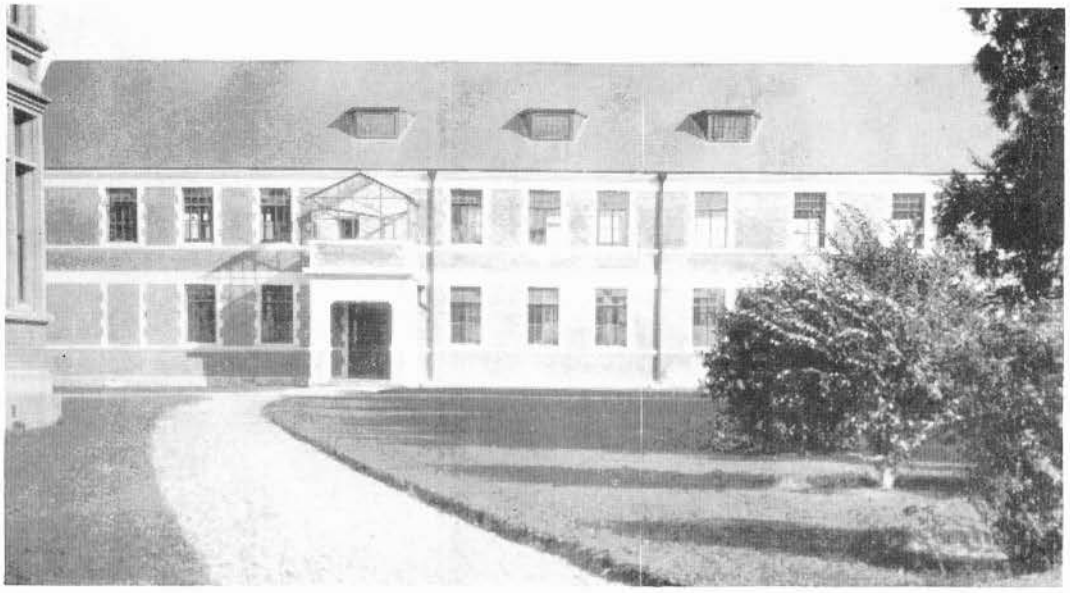
These graduates also hold the Co llege Diploma, although they are not included in the preceding list.



The late Harry Garrett in typical pose



Left to Right – Back Row: G.G. Thomson, W.V. Hadfield, C.N. Watts, G.B. Giller, R. Hudson, J.R. Greenfield, N.M. Perryman. Third Row: V. Meechan, R.G. Jolly, I.S. Miller, W.A. McKellar, T.D.J. Holderness, A. Henderson, A.F. Greenall, W. Henderson, Second Row: J.W.T. Anstey, B.K. Wagner, T.E.M. Brooks, O.S. Fallow, D.P. Graham, W. Hudson, N.L. Shillito, B.M. Smith, A.S. Trotter, A.C. Wright. Front Row: J.F. Pyne, R.S. Latter, C.H. Upham, H.W. Findon, I.D. Blair, J.S. Maclean, G.E. Rennie, S.I. McKercher, P. Falconer, R.J. Ballinger.



The New Laboratories



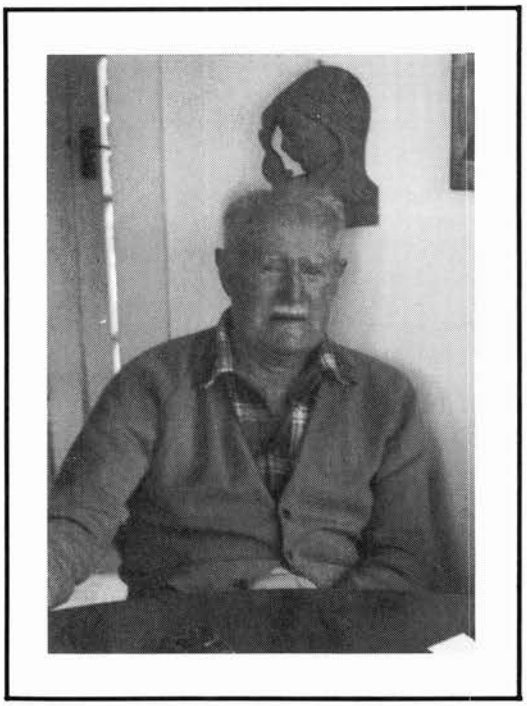
V.F.M. 1955

BACK ROW: *Norman R.H., Bennett J.G., Marshall D.R., Smeaton I.G., Jordan A.B.T. Watson D.E., Mason C.G.H., Bennett G.M., Ashworth V.A., Knox R.A.*

FRONT ROW: *Wood I.C., Joshi K.C., Dodd J.E., Cotter M.J., McSkimming P.L., Newman D.A., Downey M.J., Dickson J.R., Harwood A.R.*

ABSENT: *Gilmore R., Wordley W.R.*

A. Briscoe Moore, old student and Bledisloe Medalist, died in Whangarei last year. He was 93.



Peter Freeth, Agricultural Editor of the New Zealand Herald, himself an old student, penned this obituary which we reproduce with his kind permission.

NORTHLAND PIONEER LEFT HIS MARK

The death in Whangarei of Mr Arthur Briscoe Moore meant the loss to New Zealand of one of the architects of a significant slice of its farming history.

War veteran, former wool industry leader, courageous land developer and progressive farmer, he left a mark on Northland - his chosen farming territory and the place where he lived for 64 years of his 93-year life span.

At Pipiwai about 40 kilometres north-west of Whangarei, he created from standing bush one of the finest sheep and beef properties in the north, leaving an asset being ably carried on by members of his family.

He did it during periods of grave economic depression with toil, progressive thinking, endurance of hardship and what some of his contemporaries might have described as "sheer guts".

Arthur Moore, for a time deputy-chairman of the Wool Board, derived his greatest enjoyment from farming and from nature. He read widely and was a thinking man of direct no-nonsense philosophy, lean of body and sharp of mind.

He described himself as an agnostic, but he believed in the Christian ethic. And he lived by the simple creed of staunch independence and giving the other man a fair go.

Many aspects of the contemporary New Zealand and world scene dismayed him and while he had lost a good deal of his earlier optimism he tried to remain constructive until he died.

As a young man Arthur Moore was a high country shepherd in the South Island. He sold a small grazing run in North Otago to serve in Palestine during the First World War with the North Auckland Mounted Rifles.

Then in 1920 as a 29-year-old he went north where land was cheaper to get a fresh farming start at Pipiwai. There he took over 792 hectares of rolling and steep country, about three-quarters of it in bush.

Heavily mortgaged and living in a lonely, inaccessible spot where most of the food and all the fertiliser and other farming equipment had to be packed in by horse, he started with 340 dry sheep.

For five years he "bached" in a tin hut, cooking with a camp oven over an open fire and washing in a bath placed out in a clearing.

Employing Maori labour, he chopped and burned bush, grassed and fenced the new clearings on the steep hillsides, topdressed by hand until his eyes ran with superphosphate, and gradually built up stock.

Once when crossing a river which sometimes flooded badly he was swept off his horse and

had to swim for it.

Eventually Mr Moore married and built a homestead from kauri and totara milled from logs grown on the property.

Then came the Depression and his troubles really began for, as he said much later, the effect on a man developing his property was shattering.

At that time Arthur Moore was selling five-year ewes for 2s 10d a head (less than 30c) and his best fleece wool for 6d a pound (5c).

Through his own tenacity and the understanding of a far-sighted mortgagee he did not go bankrupt. But is was a close thing.

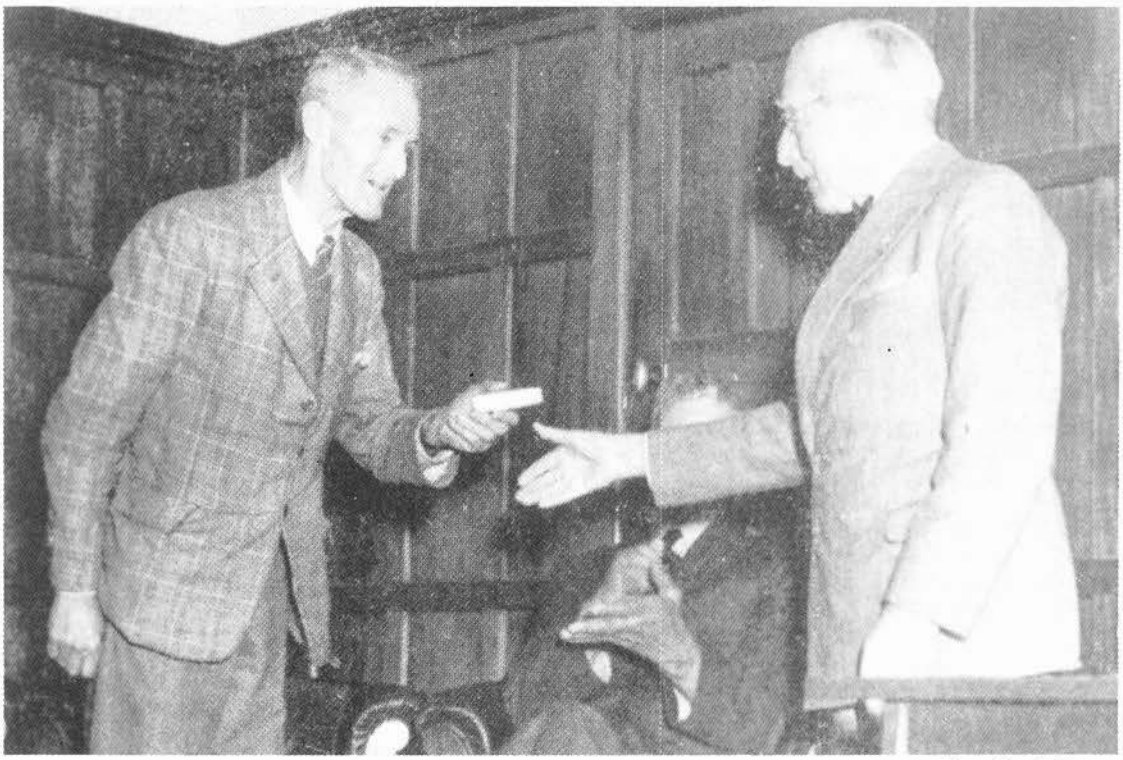
Arthur Moore and wife, Phyllis, went on to bring up a family, improve their property into a fully developed, high-producing unit, and play a part in district and national life.

In his later years Mr Moore became very much the philosopher, given to reflecting on modern trends and forming a view that society as a whole had gone seriously astray in some of its values.

Some of the chapter headings in a philosophic booklet he published last year in part revealed his thinking - "Evils of the well-fed state," "Mad money, sinking into a sea of debt," "The brainwashers and mind benders."

Under these headings and others Mr Moore gave credit where he thought it was due. But much of his verdict on the contemporary scene was scathing.

It was the sort of comment, conveyed with typical clarity, sincerity and force, that might have had many saying: "I could not agree more."



Christchurch Press

Lord Bledisloe returned to the College in 1947 and presented the 1946 award of the Bledisloe Medal to Mr A. Brisoce Moore (1908-10).

Beauchamp Robin Stanley, died at his home at Pleasant Valley, Geraldine on May 28, 1985.

Simpson Rex Harrison, died on February 5, 1985 while climbing at Mt Cook.

Gordon Frederick Stanley, a student at the College in 1914 and who flew in combat with the Royal Flying Corps in World War 1, died in Cromwell in June 1985.

Fougere B.E. (nee Rose) wife of R.A. Fougere and College Secretary (1930-32) died in June in Palmerston North.

Laird T. (Dip.Ag. 1969-70) died in the West Coast mining accident in 1985. Tom worked at the mine to supplement the income from his dairy farm.

Andrew H.J. (1913-14) the founder of the Southdown Punchbowl Stud, died in September aged 91. For many decades he was acknowledged as the world's leading breeder of Southdown sheep and perhaps even as the world's top sheep breeder of his time.

The Punchbowl stud that he established, was widely known throughout the world and sheep from the stud were regularly exported world wide, especially to Australia and the U.S.

His dispersal of the Punchbowl stud in 1978 - when aged 84 - perhaps signalled the end of the Southdown as a major breed in New Zealand.

In 1961 a Punchbowl ram was sold for a world record price of 3,100 guineas to the Robertson family's Merryvale stud at Waikoikoi. He was awarded the Bledisloe Medal in 1939.

Copland A.A. (Sandy), one of New Zealand's most distinguished agriculturalists, who very successfuly applied Kiwi grassland management practices in the United Kingdom, died in Taupo on April 23.

He was born in South Canterbury in 1913, attended Timaru Boys' High and then Canterbury Agricultural College at Lincoln from which he graduated in 1937 with a M.Agr.Sc. degree with first class honours in Agricultural Economics.

In 1942 he was loaned by the New Zealand Government to the British Ministry of Agriculture to help with food production during the Second World War.

His New Zealand management principles reportedly brought him into conflict very quickly with agricultural authorities in Somerset, where he was placed. But his independence of thought and action, while proving an embarrassment to bureaucracy, drew him to the attention of the Canadian-born Minister of Aircraft Production, Lord Beaverbrook.

The press baron invited Sandy Copland to manage his farms and arranged the transfer, beginning an at times turbulent but highly successful partnership.

His exceptional farming ability led to a 36-year partnership with the press baron, Lord Beaverbrook, and then his son, Sir Max Aitken, which transformed farming over a large area of Somerset.

In 1969 his work was officially recognised by Lincoln College, with the award of a Bledisloe Medal.

His story "The Press Baron and the Kiwi" was published in 1985.

McCaskill L.W.- Lance McCaskill died in Christchurch, after a short illness, on August 9, 1985. He was 85. Lancecot William McCaskill was born at Winchester in South Canterbury. He was a student at the College in 1919-20 and graduated with the C.A.C. Diploma. In 1923 he completed the Bachelor of Agriculture degree and in 1929 the Masters degree with first class honours in agricultural economics.

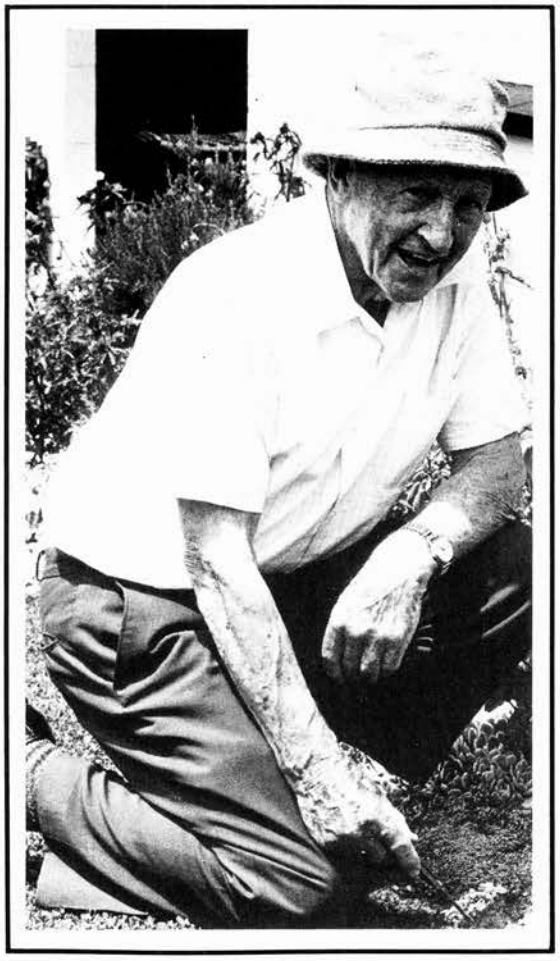
He worked as an instructor in agriculture for the Auckland Education Board, and during that time (1923-27) he endeavoured to make native plants a feature of nature study - an interest which remained for the rest of his life.

In 1928 he joined the staff of the Dunedin Teachers' College as lecturer in nature study and agriculture. Making native plant study the basis of his course 'Mac' studied the damage done by deer to native flora. Later he joined the Christchurch Teachers' College.

Following the disastrous 1938 floods in Hawkes Bay which caused widespread erosion McCaskill was awarded the Carnegie Travelling Scholarship which enabled him to study rural education and soil conservation in Canada, Britain and the U.S.A.

Lance was a founding member of the Royal New Zealand Forest and Bird Protection Society and lectured widely on the inter-dependence of forests and bird and the need for their protection.

The late 1930s and early 1940s saw the emergence of the soil conservation



movement. The devastating Easter floods of 1938 in Hawkes Bay and the erosion they caused made a lasting impression on McCaskill.

He helped prepare the first Soil Conservation and Rivers Control Act and in 1944 was a founding member of the North Canterbury Catchment Board. These days and the subsequent development of the soil conservation movement were recorded by Mac in his book "Hold this Land," published in 1973.

He was awarded the Bledisloe Medal in 1944, and two years later launched the first course for soil conservators at the College. He was Associate Professor of Rural Education when he was appointed founding Director of the Tussock Grasslands and Mountail Lands Institute in 1961. He "retired" four years later and was awarded the CBE in 1968. Ten years later during the Centennial year of Lincoln College, Canterbury University awarded him the degree D.Sc. *honoris causa*. Among other awards are the Loder Cup and the Sir Peter Scott medal for conservation.

Following the lead given by Walter Brockie of the Christchurch Botonic Garden, McCaskill in association with Lincoln College staff and students continued to press for the reservation of the Castle Hill buttercup, a surviving population of only 75 plants.

Robinson W.D. (Bill), 1933-35, died at Christchurch in December. He was 70. A contemporary of J.W. McLean, Mr Robinson studied for the B.V.Sc. degree in Sydney. He was a prominent veterinary surgeon dealing particularly with horses, especially standardbreds and thoroughbreds. He himself, trained and raced several pacers.

He served on the College Staff in a relieving capacity during 1944-45.

Bulman R.S. died in January 1986 at Nelson. He was a gardening instructor at the College during the period 1945-55. He was 78.

MacKay J. Douglas, warden at the College 1947-62, died on December 23 in Christchurch. He was 80. Educated at New Plymouth Boys' High School, Doug was a senior national scholar in 1920 and won Blues in rugby, athletics and cricket from Victoria University. He represented N.Z.U. at rugby was a Wellington rep, and All Black in 1928. He taught at Wellington Teachers' College (1926-37) joined the RNZAF where he was a Flight Lieutenant and Education Officer. After leaving the College he taught at Papanui High School.

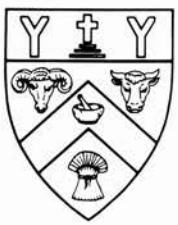
Are you on our Mailing List?

LINCOLN COLLEGE BUDGET MANUALS

Both the FINANCIAL and TECHNICAL Manuals have been extensively revised in recent months and will be available in early 1986.

For further information write, or return this form to:

The Editors
Lincoln College Budget Manuals
Farm Management and Rural
Valuation Department
Lincoln College
Canterbury



Please place my name on your mailing list
OR
Please change/check my address as follows:

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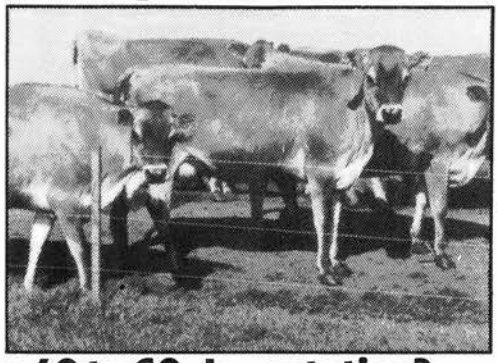
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RATS, RHINOS AND OTHER THINGS

What have rats and rhinos got in common? It's simple - different size, different continent, different habits but same principle of control. Both are controlled by Gallagher high power electric fencing systems.

That is just part of the fascination of the job with "Gallagher's" for LCOSA Executive member Graeme Rennie (65-68, Staff 80-84), and it's only because of their support, he has been able to continue serving LCOSA.

His job as Agricultural Consultant with the Gallagher Group of Companies takes him to many overseas countries and in contact with other old students.

Graeme met up with Bob Simpson (Dip.FM, ex Manager Ashley Dene) again in Budapest where Bob uses Gallagher electric fence systems on their project, and then went on to give seminars in USSR with Peter Wardell (B.Agr.Sc.)

Dr Ani Arope, Director of Rubber Research Institute in Malaysia, and Dr Morni Otham (75-80), (one of the top men in MAF Brunei), are a couple of others.

Graeme's work now involves the control of many different animals, and a few birds, instead of students. They are easier and there is no exam marking to do.

He and fellow Gallagher Consultants travel the world, from Iceland to Argentina, helping with any problems of animal containment. It may be traditional livestock, animals in zoos, endangered species like rhinos (Save the Rhino Project) and bison, as well as a few birds such as ostriches and geese.

Elephants are kept out of palm oil plantations in Malaysia (4,000 km), wild pigs controlled in Europe and Indonesia and rats out of rice fields at the International Rice Research Institute in the Philippines (25 ha in one trial). Ask him about the Philippine frog flicker sometime.

In Malaysia, Dr Ani Arope and his team are using sheep, controlled by solar powered temporary fencing, in rubber plantations, to control weeds. The results are impressive, with savings of over $100.00/ha/year. Professor Coop's love of sheep has rubbed off.

One day Graeme will be visiting a small farm, the next he will be discussing the fence designs for a project covering hundreds of kilometres.

Gallagher's export to over 100 countries so Graeme has only another 80 to visit. If you are living overseas, you may meet him sometime. He is always keen to meet other old students and "Gallagher's" are always available to give advice on electric fencing. They have never been stumped yet so if you have a tricky problem, contact them.

Graeme is hard to catch but can be cornered at some old students' functions, NZ National Fieldways or from 16-19th November 1987 in Nairobi at the 3rd Gallagher World Wildlife Power Fencing Conference.

LINCOLN COLLEGE OLD STUDENTS' ASSOCIATION (INC.)

INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED 31 MARCH 1985

We received income from:	$ This Year	$ Last Year
Subscriptions - current (note 2)	1,380.00	630.00
- arrears	265.00	155.00
	1,645.00	785.00
Donations	26.78	25.45
Interest from Investments (note 4)	8,565.46	8,221.83
Dividends	3,464.66	3,981.88
Tie Sales - Surplus	113.62	104.97
Sundries	50.00	618.19
Magazine Sponsors	1,200.00	1,800.00
Social Functions - surplus	-	-
Badges, Tie Tacks - surplus	60.72	105.58
	$15,126.24	$15,642.90
And we expended funds on:		
Allowances and Travel	350.00	350.00
Accounting/Secretarial	1,000.00	1,000.00
Postage and Tolls	206.86	884.85
Stationery and Printing Newsletter	809.12	1,429.77
Insurance and A.C.C. Levy	0.63	0.66
Printing, typing, posting Magazine (note 3)	7,197.83	7,119.54
Bursary	500.00	500.00
Presentations, Tributes etc	27.50	157.90
Miscellaneous	74.68	379.80
Social Functions - Deficit	15.70	8.58
	$10,182.32	$11,830.30
Surplus	4,943.92	3,812.60
MEMBERS FUNDS		
Balance from previous year	2,285.20	1,527.40
Surplus for year	4,943.92	3,812.60
Capital Profit	3,539.80	-
	$10,768.92	$2,285.20

LINCOLN COLLEGE OLD STUDENTS' ASSOCIATION (INC.)

BALANCE SHEET AS AT 31 MARCH 1985

	$ This Year	$ Last Year
CURRENT ASSETS		
Cash - Westpac Banking Corp.	2,704.19	7,843.99
Sundry Debtors	720.00	960.00
Ties on Hand (note 5)	693.33	1,300.71
Badges and Tacks on Hand (note 5)	363.20	337.48
	$4,480.72	$10,442.18
INVESTMENTS		
As per schedule at cost (note 6)	$100,465.81	$78,285.17
FIXED ASSETS		
Furniture and Equipment	$10.00	$10.00
TOTAL ASSETS	$104,956.53	$88,737.35

Report of the Auditor

I have examined the accounts of the Lincoln College Old Students' Association (Inc.) for the year ended 31 March 1985 and have obtained all the information and explanations required.

Because of the nature of the Society's activities it has not been possible to verify all income received - while I have no reason to believe that there has been any unrecorded income of any kind I am unable to confirm this.

As a result of a recent Court case it is still possible that the Association has some Income Tax liability.

Subject to the foregoing, in my opinion the Balance Sheet and Income and Expenditure Account presents a true and fair view of the state of affairs of the Lincoln College Old Students' Association (Inc.) as at 31 March 1985 and of the results of its activities for the year ended on that date.

Signed: P.S. Alexander
B.Com., A.C.A., Dip.Ag., Dip.V.F.M.,
A.N.Z.I.V., M.N.Z.S.F.M., Reg. Valuer.

LINCOLN COLLEGE OLD STUDENTS' ASSOCIATION (INC.)

BALANCE SHEET AS AT 31 MARCH 1985

Total assets reflected the following:	$ This Year	$ Last Year
CURRENT LIABILITIES		
Sundry Creditors	8,858.00	6,900.00
	$8,858.00	$6,900.00
SPECIAL FUNDS		
Diamond Jubilee	402.00	402.00
Hilgendorf Memorial Lecture	116.26	116.26
Scholarship	5,265.77	5,265.77
Hudson Memorial Plaque	-	100.00
Sir James Stewart Portrait	687.66	-
	$6,471.69	$5,884.03
MEMBERS FUNDS	$10,768.92	$2,285.20
LIFE MEMBERSHIP		
Balance, 1 April 1984	73,668.12	67,643.12
New members - Ordinary	4,790.00	6,015.00
- Supplementation	399.80	10.00
	$78,857.92	$73,668.12
TOTAL LIABILITIES	$104,956.53	$88,737.35

G.A. Hay
Hon. Treasurer

LINCOLN COLLEGE OLD STUDENTS' ASSOCIATION (INC)

SCHEDULE OF INVESTMENTS AS AT 31 MARCH 1985

Debenture Stock	Maturity Date	Cost $	Interest %
Broadbank Corporation Ltd	31.08.86	3,000	15.00
BNZ Finance Ltd	06.08.85	1,000	16.00
Brierley Investments Ltd	31.03.89	4,000	12.50
Brierley Investments ltd	31.07.87	1,000	15.50
Canterbury Frozen Meat Co. Ltd	31.08.88	1,000	16.00
Canterbury Frozen Meat Co. ltd	31.08.91	3,000	16.00
CBA Finance Holdings Ltd	08.03.83	1,000	16.00
Christchurch Drainage Board	01.04.90	5,000	5.00
Crown Corporation Ltd	15.12.86	1,000	17.50
Development Finance Corporation	31.03.85	1,000	15.00
Development Finance Corporation	31.12.85	2,000	15.25
Donaghys Industries Ltd	28.02.87	2,000	17.00
Farmers Trading Co. Ltd	31.03.87	1,000	17.50
Fletcher Challenge Ltd	31.10.85	2,000	15.00
Fletcher Challenge Ltd	30.04.87	1,000	15.50
Fletcher Challenge Ltd	31.08.87	3,000	13.50
Fletcher Challenge Ltd	31.08.88	2,000	15.90
Fletcher Challenge Ltd	31.10.87	1,000	15.00
Fletcher Challenge Ltd	30.04.90	2,000	18.00
Freightways Holdings Ltd	31.12.86	1,000	16.00
Lane Walker Rudkin Industries Ltd	30.06.87	1,000	18.00
Lion Breweries Ltd	30.09.87	2,000	18.00
Marac Holdings Ltd	30.06.85	2,000	17.50
N.Z. Dairy Board	01.12.90	2,000	11.75
N.Z. Dairy Board	30.06.89	5,000	16.00
N.Z. Government ($8,000)	15.10.94	7,140.45	14.00
N.Z. Government ($7,000)	15.10.94	5,995.19	14.00
Odlins Ltd	31.12.88	3,000	13.00
Westpac Banking Corporation	02.08.86	10,000	16.00
Yates Corporation Ltd	31.01.87	2,000	16.50
Mortgages			
Gough, A.T.	10.12.85	2,000	17.50
Gee, B.P.	22.11.85	2,000	17.50

Company Shares/Notes	No.	
Skellerup Industries Ltd	1,108	528
Ceramco Ltd	2,000	2,000
Goodman Group Ltd	2,000	1,000
Fletcher Challenge Ltd	9,162	7094.37
Steel & Tube N.Z. Ltd	2,472	1,875
National Insurance Co. of N.Z. Ltd	1,996	1,250
N.Z. Forest Products Ltd	825	1,106
N.Z. Steel Ltd	3,959	3,476.80
		$100,465.81

LINCOLN COLLEGE OLD STUDENTS' ASSOCIATION (INC.)

STATEMENT OF ACCOUNTING POLICY AND NOTES
TO FINANCIAL STATEMENTS

1. General Policy

These accounts have been prepared according to the New Zealand Society of Accountants' general accounting principles appropriate for the measurement and reporting of earnings and financial position for Incorporated Societies.

2. Subscriptions

Subscriptions are included in the accounts as received. Outstanding subscriptions have not been accrued in either period.

3. Magazine

The income and expenditure associated with the Magazine is included on an accrual basis.

4. Interest

Interest is included in the accounts as received. Interest accrued in either period is not included.

The interest and dividends on $100,465 invested gives a return of approximately 12%.

5. Stock

Stock is shown at cost as follows:

Ties - 121 @ 5.73	693.33
Badges - 132 @ 1.50	198.00
Pin Tacks - 70 @ 2.36	165.00
	$1,056.53

6. Investment Policy

Current investment policy aims to place funds to best advantage in securities that meet the criteria laid down in the Trustee Act 1956 as amended.

A capital profit of $3,539.80 resulted from Rheem Australia Ltd taking over the Association's shares in Rheem N.Z. Ltd. Bonus issues were received from Steel and Tube N.Z. Ltd, National Insurance Co. of N.Z. Ltd and N.Z. Steel Ltd. An issue was taken up in N.Z. Forest Products Ltd at a premium of $1.00 per share.

THANKS

The continued support of companies advertising in the magazine ensures its continued production. Their assistance is gratefully acknowledged.

Mrs Olga Cattanach has been responsible for typing. Her friendly and professional help is much appreciated.

David Hollander, of the Educational Services Unit at the College, promptly and willingly provided photographs.

Thanks are due to former editor of the magazine, Dr. Ian Blair, who continues to offer supportive interest. Branch secretaries, College Heads of Departments and James Homes, College Journalist, all of whom willingly supplied copy.

