

Lincoln College

University College of Agriculture

College Magazine 1979



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as at 30th September 1979

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A.F. Wright Retires 31 December 1979

Elected by the Members of Parliament for the South Island

R.L. Bell, Dip. V.F.M., M.P.
Retires 31 December 1981

Appointed by the Council of the University of Canterbury

I.D. Leggat, B.A., M.Sc. (N.Z.)
Retires 31 December 1981

Appointed by Federated Farmers of New Zealand

J.F.G. Blakely Retires 31 December 1979
S.M. Wallace Retires 31 December 1980
B. Pinney Retires 31 December 1981
S.M. Hurst Retires 31 December 1982

Elected by Graduates and Diploma Holders of the College

F.L. Ward, Dip. V.F.M., F.N.Z.I.A.S.
Retires 31 December 1979
H.C. Smith, M.Agr.Sc. (N.Z.), Ph.D. (Camb.),
F.N.Z.I.A.S. Retires 31 December 1980
T.D.J. Holderness
Retires 31 December 1981

Elected by Lecturers of the College

B.J. Ross, M.Agr.Sc. (Cant.)
Retires 31 December 1979

Elected by Members of Professorial Board

A.P. Mulcock, M.Sc., Ph.D. (N.Z.)
Retires 31 December 1980

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D.W. Bain, C.M.G., M.B.E., M.A., Dip.Journ.
(N.Z.), Hon. LL.D. (Cant.)
Retires 31 December 1979
J. Boyd-Clark Retires 31 March 1980
E.J. Neilson, B.A., B.Com. (N.Z.), F.C.A.,
F.C.I.S. Retires 31 August 1980
M.L. Cameron, B.Agr.Sc. (N.Z.)
Retires 31 May 1981

The Principal of the College

Emeritus Professor J.D. Stewart, M.A. (N.Z.),
Ph.D., (R'dg.), Dip. V.F.M., F.N.Z.I.A.S.,
F.N.Z.S.F.M.

The Vice Principal

Professor R.H.M. Langer, B.Sc. (Hons.),
Ph.D. (Durh.), F.R.S.N.Z., M.I. Biol.

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D.J. Shaw

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Ph.D. (Calif.) Veterinary Science.
(Emeritus Professor since 1970)

I.E. Coop, O.B.F., M.Sc. (N.Z.), D.Phil. (Oxon.),
F.N.Z.I.C., F.N.Z.I.A.S.
(Emeritus Professor since 1978)

T.W. Walker, Ph.D., D.Sc. (Lond.), D.I.C., A.R.C.S.,
F.N.Z.I.C., F.N.Z.I.A.S. Soil Science
(Emeritus Professor since 1979)

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Appointment pending

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M.Agr.Sc. (N.Z.), Ph.D. (Cant.)

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A.F.N.Z.I.M.
J.L. Rodgers, B.Ag.Ec. (N.E.), Dip. Inf.
Proc. (Q'ld)
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Ph.D. (Guelph)

Consultant in Management

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Professor

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C.Eng., F.N.Z.I.E., F.I.Mech.E., Mem.
A.S.A.E., M.C.S.M.E., M.E.I.C.

Readers

I. Calvert, B.E. (N.Z.), M.N.Z.I.E.,
A.N.Z.I.M.
D.G. Huber, M.A.Sc. (Tor.), Ph.D. (Iowa),
F.N.Z.I.E.

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(McG.), D.I.C., C.Eng., A.F.R.Ae.S.
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Mem. A.S.A.E.
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Senior Lecturer in Soil Conservation

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Senior Lecturer in Agricultural Meteorology

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A. McLellan, M.Agr.Sc. (Cant.)

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E. Darch, R.E.A.
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Technical Officers

T.R. Gifford
P.M. Seaton

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Professor

A.P. Mulcock, M.Sc., Ph.D. (N.Z.)

Reader in Plant Pathology

R.C. Close, M.Sc. (N.Z.), Ph.D. (Lond.)

Senior Lecturer

M.J. Noonan, B.Sc. (Hons.), Ph.D. (Cant.)

Lecturer

R.E. Gaunt, B.Sc. (Hons.) (Wales), Ph.D.
(S'ton)

Demonstrator

C.A. Bright, B.Sc. (Auck.)

ANIMAL SCIENCES

*Chairman*A.R. Sykes, B.Sc. (Hons.) (Wales), Ph.D.
(Edin.)

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(Edin.)*Reader*D.S. Hart, M.A. (Camb.), Ph.D. (N.Z.),
Dip.Dy.M.A.C., Dip.Sheep M.A.C.*Senior Lecturers*V.R. Clark, A.I.S.T., M.N.Z.S.A.P.
D.G. Elvidge, M.Agr.Sc. (Cant.)
A.M. Nicol, B.Sc. (Glas.), M.Agr.Sc. (Cant.)*Senior Lecturer in Animal Genetics*

Appointment pending

Lecturer

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Lecturer

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*Demonstrator*C.M. Lengoc, B.An.Sc. (Saigon), M.Agr.Sc.
(Massey)*Senior Technical Officer*

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M.N.Z.I.C.
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Demonstrator

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Ph.D. (McG.)
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(Washington State)
R.R. Scott, M.Sc. (Auck.), Dip. Tchg.,
Ph.D. (Cant.)
J.B. Waller, B.Sc. (Hons.) (Lond.), Ph.D.
(Iowa State)*Lecturer*

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*Demonstrators*M.R. Butcher, M.Sc. (Massey)
J.W. Early, M.Sc. (Cant.)
Mrs S.P. Worner, B.Sc. (Hons.) (Cant.)

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Temporary Lecturer

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Part-time Lecturer in Agricultural Law

I.C.J. Polson, LL.B.

Principal Field Officer, Farm Advisory Service

D.K. Ower, Dip.Ag. (M.A.C.), Dip. V.F.M.,
F.N.Z.I.V., M.N.Z.S.F.M.

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M.N.Z.S.F.M.

A.C.W. Whatman, B.Agr.Sc. (Cant.),
M.N.Z.S.F.M., M.N.Z.I.A.S.

Assistant Field Officer, Farm Advisory Service

A.J.A. Spiers, B.Agr.Sc. (Cant.)

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(Calif.)

Reader in Landscape Architecture

S. Challenger, B.Sc. (Hort.) (R'dg),
Dip.L.D. (N'cle, U.K.), N.D.H., A.I.L.A.,
F.N.Z.I.L.A.

Reader

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Ph.D. (Adel.)

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A.N.Z.I.L.A.
R.A. Crowder, B.Sc. (Hons.) (Nott.)
J.O. Taylor, M.B.E., N.D.H., F.I.P.R.A.,
A.H.R.I.H.
G.F. Thiele, M.Hort.Sc. (Cant.)
M.B. Thomas, M.Hort.Sc., Ph.D. (Cant.),
Dip. Hort., N.D.H.

Senior Lecturer in Community Recreation

A.R. Taylor, M.A. (Cant.), Dip. Tchg.,
Dip. C.R.S., M.I.P.R.A.

Senior Lecturer in Parks and Recreation

Administration

P.J. Devlin, M.A. (Cant.), Dip. Tchg.

Lecturers

M.J.S. Morley-Bunker, M.Sc. (Lond.)
A.M. Rackman, Dip. L.A. (Glas.)
R.B. Stevens, B.Hort.Sc. (Cant.)
R.S. Tipples, M.A., Ph.D. (Camb.)

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R.A. Edwards, Dip. Hort., N.C.H.
Susan J. Riggs, Dip. Hort. Mgt.

Studio Tutor

Janet H. Woodhouse, Dip. Hort., Cert.L.D.

Instructor

S.A. Cradock, Dip. Hort., C.A.C.

Technical Officer

G.F. Steans, N.Z.C.S., A.N.Z.I.S.T.

PLANT SCIENCE

Professor

R.H.M. Langer, B.Sc. (Hons.), Ph.D. (Durh.),
F.R.S.N.Z., M.I. Biol.

Reader in Biometrics

N.S. Mountier, M.Sc. (N.Z.)

Reader

J.G.H. White, M.Agr.Sc. (N.Z.), Ph.D.
(Adel.)

Senior Lecturers

G.T. Daly, M.Agr.Sc. (N.Z.), Ph.D. (McG.)
A.G. Fautrier, B.S.A., B.Sc. (Montr.),
Ph.D. (Cant.)
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M.L. Smetham, B.Sc. (Agr.) (Lond.),
M.Agr.Sc. (Cant.)

Senior Lecturer in Statistics

B.G. Love, B.Sc. (Notts.), M.Agr.Sc.
(Cant.), Dip.Ed. (Massey)

Senior Lecturer in Experimentation

R.J. Lucas, B.Agr.Sc. (Cant.), Dip.Tchg.

Lecturer in Statistics

Isabelle M. Gravett, B.A. (Natal), Dip.
Stats. (Aberd.)

Lecturer in Computer Science

D.L. Evans, M.Sc. (Cant.)

Assistant Lecturer

Sally D. Newton, B.Agr.Sc. (Massey)

Demonstrator

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Senior Technical Officer

G. Meijer, Dip. State Agric. Coll.
(Dortrecht), A.N.Z.I.S.T.

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F.N.Z.I.C.
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P.J. Tonkin, M.Sc. (Vict.)

Lecturers

A.S. Black, Dip.Ag., M.Agr.Sc., Ph.D.
(Q'ld)
L.G. Livingstone, B.Sc. (Otago), M.Agr.Sc.
(Cant.)

Temporary Lecturer (Part-time)

A.W. Young, B.Agr.Sc. (Cant.)

Assistant Lecturer

R.R. Sherlock, M.Sc. (Cant.)

Officer in Charge of Chemical Services

A.H. Horn, M.Sc. (N.Z.), M.N.Z.I.C.

Demonstrator

R.D. McLenaghan, N.Z.C.S.

Senior Technical Officer

R.J. McPherson, N.Z.C.S., A.N.Z.I.S.T.

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B.R. Wilkinson, M.Agr.Sc. (Cant.), Ph.D.
(Lond.), M.N.Z.I.C.

Senior Instructor

B.M. Tinnock, Dip. Wool Tech., Cert.
Woolclassing

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O.M. Wilson, M.A. (Massey)

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D.H. Crabb, M.B.E., E.D.

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Research Division, Department of Agriculture
in the Plant Science Department.

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E.J. Godley, M.Sc. (N.Z.), Ph.D. (Camb.),
Director Botany Division, D.S.I.R.,
Lincoln.

H.C. Smith, M.Agr.Sc. (N.Z.), Ph.D. (Camb.),
F.N.Z.I.A.S., Director, Crop Research
Division, D.S.I.R., Lincoln.

J.Y. Morris, M.Sc. (N.Z.), Dip.Ing. (N.F.N.),
Director, Forest and Range Experimental
Station, Rangiora.

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F.N.Z.I.C., A.N.Z.I.M., Director, Wool
Research Organisation of New Zealand.

A.D.H. Joblin, B.Agr.Sc. (N.Z.), Dip.Trop.Ag.
(Trin.), Regional Director, Research
Division, Ministry of Agriculture and
Fisheries.

E.M. Watson, B.Sc. (Eng.) (Hons.) (Leeds),
M.I.Mech.E., M.N.Z.I.E., C.E., Director,
the New Zealand Agricultural Engineering
Institute.

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N.Z.I.S., A.N.Z.L.A.

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N.Z.L.S. (Technical Services).
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N.Z.L.S., A.N.Z.L.A. (Reference).
P.J. Tew, B.A. (Cant.), Dip. N.Z.L.S.
(Serials).

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Dip.Tchg., A.C.A., F.C.I.S., A.N.Z.I.M.

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J.H. Martin, A.C.A.

Deputy Registrar (Buildings)

H.N.M. Harvey, M.B.E., B.A. (Cant.)

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G.G. Gregg, B.A. (Calif.)

Programmer Analyst

M.S.C. Brown, B.Sc. (Hons.) (Cant.)

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Master of Halls

C.V. Mullany, M.A. (Cant.)

UNION

Union Manager

V.J.I. Vaney, A.N.Z.I.M.

Assistant Union Manager

F.I. Cowlishaw

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J.A.R. Fountain, M.B., Ch.B. (Otago), Dip.
Obst. (Otago), D.C.H. (R.C.P.Lond. & R.C.S.
Eng.).
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J.D. Holmes, M.B., Ch.B. (Edin.), D.A.
(R.C.P. Lond. & R.C.S. Eng.).
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(Otago).

Counsellor (Part-time)

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(Cant.)

Supervisor

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Nursing, R.G.N., R.M.N.

Nurse (Part-time)

Mrs S.J. Warren, R.G.N., R.M.N.

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(Cant.), Dip.Tchg.

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S.R. Carroll, B.Agr.Com. (Cant.)

Mixed Cropping

J.S. McCartin

Dairy

R.E. Woods

Research

R. Lamming

Hunua

I.M. Doodie

Stud

C.A. Sutherland

Lyndhurst

G.P. Varney

HORTICULTURE RESEARCH

Manager

Appointment pending

Assistant Manager

J.P. Fox, B.Sc. (N.Z.)

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Custodian

F.P. Hendren

Works Engineer

J. Johnstone

Senior Technical Officer

R.E. Lowen

GROUNDS

Supervisor

M.J. Capstick, Dip.Hort. (Wisley), N.C.H.

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RESEARCH UNIT

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*Senior Research Economist*K.L. Leathers, B.S. (Cal. State), M.S.
(Arizona), Ph.D. (Colorado State)*Research Economists*G.T. Harris, B.Com., M.Ec. (Lat.), Dip.Ed.
(Melb.).
R.D. Lough, B.Agr.Sc. (Cant.)
R.G. Moffitt, B.Hort.Sc. (Cant.)
M.M. Rich, B.Agr.Com. (Cant.), M.Ec.
(Monash), Dip.V.F.M.
R.L. Sheppard, B.Agr.Sc. (Cant.)
Appointments pending.*Assistant Research Economists*Sandra K. Martin, B.Ec. (Q'ld), M.A.
(Cant.), Dip.Tchg.
Suzanne L. Young, M.A. (Cant.)*Assistant Programmer Analyst*

P.J. McCartin, B.Agr.Com. (Cant.)

THE NEW ZEALAND AGRICULTURAL
ENGINEERING INSTITUTE*Director*E.M. Watson, B.Sc. (Eng.) (Hons.) (Leeds),
M.I.Mech.E., M.N.Z.I.E., C.E.

STAFF

*Senior Principal Research Officer*J.S. Dunn, B.Sc. (Agric.) (Durh.),
M.I.Agr.E., T.E.*Principal Research Officer*T.D. Heiler, B.E. (N.S.W.), A.S.T.C., M.I.E.
(Aust.)*Senior Research Officers*V.J. Bidwell, B.E. (Hons.), Ph.D. (Auck.)
G.M. Garden, B.E. (Cant.), Dip.Ag.C.A.C.,
M.N.Z.I.E.
D.J. Painter, B.E., Ph.D. (Cant.)
G.R. Davies, M.Sc. (Lond.), F.I.Mech.E.*Research Officers*P.S. Carran, M.E. (Cant.)
C.F. Henderson, B.E., B.Sc. (Cant.), Ph.D.
(Toulouse).
S.J.J. Hirsch, B.Sc. (Sask.)
G.D. Lawn, C.Eng., M.I.C.E., M.N.Z.I.E.,
A.N.Z.I.M.
J.F. Maber, B.Agr.Sc. (Massey), Dip.Ag.Eng.,
A.S.A.E.
P.E. Steele, B.Sc. (Ag. Eng.) (Silsoe),
M.Sc. (R'dg), Dip.Agr. (Writtle), N.D.A.
(R.A.S.E.), M.I.Agr.E.
R.W.J. Young, M.A. (Camb.)*Assistant Research Officer*

L.J. Anstis, B.Eng. (Ag.) (Darling Downs)

Information Officer

G.R. Gilbert, B.A. (Cant.), R.E.A.

*Senior Technical Officers*R.J. Harwood
K.R. HumphriesTHE TUSsock GRASSLANDS AND
MOUNTAIN LANDS INSTITUTE*Director*Professor K.F. O'Connor, B.A., B.Agr.Sc.
(N.Z.), Ph.D. (Cornell)

STAFF

Principal Research Officer

G.A. Dunbar, M.Agr.Sc. (N.Z.)

*Senior Research Officers*I.G.C. Kerr, B.Agr.Sc. (Cant.)
E.G. White, M.Hort.Sc. (Cant.), Ph.D.
(Calif.)*Research Officers*M.Abrahamson, M.Agr.Sc. (Cant.)
J.M. Kennard, B.Sc. (Hons.) (A.N.U.)*Scientific Information Officer*

B.T. Robertson, Dip.Ag., Dip. V.F.M.

Assistant Research Officer

K.R. Lefever, B.A. (Br. Col.)

Technical Officer

E.J. Costello, Dip. Ag.

LINCOLN COLLEGE STUDENTS' ASSOCIATION 1979

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Vice President

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Hon. Secretaries

D.J. Atkinson
H. Stevens

Hon. Treasurer

H. Thacker

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Education Officer

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H. Smith

Sports Officer

B. Brackenridge
J.L. Raine

Welfare Officer

P. Trotter

Cultural Affairs Officer

S. Smith
P. Gluyas

National Affairs Officer

K.A. McEntee

International Affairs Officer

H. Ooi

Information Officer

H. Stevens

Non Portfolio Officer

D. Thorn

Non Portfolio Officer (Suction)

D. Watkins

(Note: More than one name occurring after a portfolio indicates two members filling the position at different stages during the year.)

STUDENT REPRESENTATION ON COMMITTEES

Union and Halls Management Committee

D.J. Shaw, J. Atkinson, H. Thacker,
G. Macindoe, J.H. Hutchinson

Recreation Centre Management Committee

D.J. Shaw, D. Simmons, I. Raine, P. McNab,
B. Brackenridge

Catering Sub-committee

D.J. Shaw, G. Macindoe, B. Thorrold,
R. Giffren

N.Z.U.S.A. DELEGATES

May Council (Canterbury)

D.J. Shaw
H. Thacker
K. McEntee
A. Edge
L. McLachlan
M. Self

August Council (Auckland)

D.J. Shaw
H. Thacker
A. Edge
H. Smith
P. Trotter
D. Watkins

CACLIN

Editor

M. Self

Business Manager

D. Powell

RAM

Editor

A. Smith

Business Manager

S. Mangan

Concert Producer

G. Spite

Orientation Controllers

P. Threadgill
P. Bartholomew

Billiard Room Controller

P. Heming

Lighting and Stereo Controllers

D. Thorn
G. Spite
P. Threadgill

Returning Officer

G. Macindoe

Assistant

J. De Goldi

Library Committee Representative

M. Young

Student Nominee on Professorial Board

P. Bartholomew
H. Smith

LINCOLN COLLEGE STUDENTS' ASSOCIATION

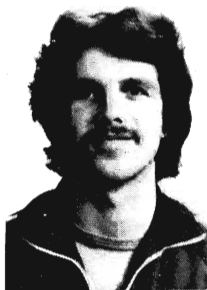
EXECUTIVE 1979



Back row (from left): Jan Atkinson (Secretary), Dave Watkins (non-portfolio officer), Pauline Bartholomew (Education Officer, 1st semester), Julian Raine (Sports Officer), Penny Gluyas (Cultural Affairs Officer), Helen Thacker (Treasurer), Helen Smith (Education Officer, 2nd semester).

Front row (from left): Helen Stevens (Information Officer), Paul Threadgill (Vice President), Henry Ooi (International Affairs Officer), Deryck J. Shaw (President), Phil Trotter (Welfare Officer).

PRESIDENT'S REVIEW 1979



Every year it seems the Student Association is plagued with the problem of finding students with the time and commitment to become engaged in student-related activities and 1979 appeared to be no exception. However, this in no way detracts from the actual input in terms of the drive, initiative and motivation of those people who were involved. This report attempts to provide an outline of some of the activities in a very full year.

EXECUTIVE

The executive started work strongly and efficiently in the first term, many of the members continuing their involve-

ment from a very successful orientation programme. However, several resignations occurred at the end of term one and at the beginning of term two. It appeared that the double commitment to course work and the association was too much.

In view of what was seen as a means of distributing the workload of the executive more evenly, three extra positions were created. This occurred through a Special General Meeting, increasing the size of the executive from 10 to 13. The positions, an information officer and two non-portfolio officers, were also expected to provide an added input to the decision-making process and possibly greater dissemination of information to students.

The two non-portfolio members, Dave Watkins and Dave Thorn (alias Mouse), added a new dimension to the range of coverage of student matters by the executive, by the addition of new material, aiding other portfolio members and vetting the actions of the other members of the executive.

Once the positions left vacant by the resignations had been filled (Sports Officer, Education Officer, Cultural Affairs Officer and National Affairs Officer), the executive functioned smoothly and efficiently throughout the rest of the year. Many of the talents proved complementary and members worked as a stable unit.

In recognition of the time spent in association activities, the honorariums of all of the members of the executive (except the President) were raised slightly. Also, to aid the services of the treasurer, a part-time retired accountant was employed to do the book work.

Although a member of the executive has to carry out certain functions as laid out in the L.C.S.A. constitution, there is considerable room for initiative. It became self-evident in 1979 that the respective portfolios of the members were what individuals made them. In other words there was never any limit to the scope of the position, barring the guidelines laid out constitutionally.

FORUMS

A large number of forums were held on diverse topics ranging from sexuality to the united movement against communism. Two forums proved particularly success-

ful. These were the education cuts' forum, which nearly 500 people attended and the politics and conservation forum, in which 200 - 300 people participated. These forums can provide the opportunity for students to engage in alternative activities at the campus level not covered by their curriculum.

BILLIARD ROOM

This facility is presently administered by the Students' Association. During 1979, although subject to a great deal of use, it was also the target for extensive abuse. Notably this involved the removal of light bulbs, balls and cues from the room, as well as the breaking of cues and light meters. Three excellent tables owned by the Students' Association are being recovered during the holidays and should, through proper administration, provide an improved asset for the students, staff and conference participants in 1980.

It is now policy that the billiard room controller be a resident in Hudson Hall to facilitate direct supervision.

ORIENTATION

Orientation '79 was a success in all respects. This was largely due to the orientation controllers, the committee and general student enthusiasm. Orientation traditionally provides a time when students can indulge in an intense range of activities. This certainly occurred in 1979 with a programme that included, amongst other things, a computer ball, car rally, films, steins and a church service.

RAM

Ram has always provided immense publicity for the Students' Association and, in many ways, the College. In this respect 1979 was possibly more notable than other years. The magazine, although down on last year's sales, still recorded a good profit. Over \$3,000 was distributed to the two charities for 1979 - 'Riding for the disabled' and 'Youthline'.

From all accounts it would appear that there is still considerable support for the magazine from the public and students.

FILMS

Chris Brosnahan and others provided a good coverage of films through the

year. This was supplemented at stages by 'rock clips' and a women's film festival called "Seeing Red" which toured Lincoln.

In the early stages Chris was somewhat hampered by distributors refusing to send films and because the association did not have a licence. After some consultation it appeared that we could qualify for an exemption from a licence as long as we observed certain regulations. This occurred and students received good films throughout the rest of the year.

Negotiations were also undertaken with Canterbury University Students' Association to obtain entry for Lincoln College students at their film screenings. This will also occur in 1980.

CLUBS

All clubs were exceedingly active throughout 1979. The burden in running these clubs relies heavily on the actual administration of the club and it is important that returning students each year can establish clubs from previous years.

1979 could be called the year of alternatives, with a netball club being formed, a supper club and, last but not least, the 'suction' movement.

SOCIAL EVENTS

In retrospect it is hard to remember a weekend where there wasn't a social or cultural event on. The respective clubs and Halls Council proved exceedingly active in this area, organising and running a number of functions.

The highlights of the year were the Ram Ball, the Rugby Ball, International Night, the College Concert, the Graduation Ball, the Senior Degree Ball, the Sports Dinner and the Union Dinner. With the small population of Lincoln it is gratifying to see the large turnouts for these functions which engenders the Lincoln spirit further.

L.C.S.A. SHOP

This ran extremely smoothly under the financial and administrative control of the Vice-President. This year sales were well up on all previous years. Notable amongst the sales were \$600 worth of T shirts, ties and other assorted items to conference participants in the May holiday period. Calculators, sweat-shirts and T shirts provided the

major component of sales.

The Association also became a sub-agent for an insurance company and was able to offer insurance of personal effects for students. A number of policies were sold.

STUDENT TRAVEL BUREAU

S.T.B. incurred a substantial loss in 1978 and as a result the constituent campuses (except two) agreed to act as a guarantor to the B.N.Z. for S.T.B. The year saw several changes in the administration and general operations of S.T.B. These were:

- (1) The Board of Directors is looking to improve S.T.B.'s service with a re-structured financial and administrative set-up.
- (2) S.T.B. has vacated the Student Union House and now resides at 24 Courtenay Place.
- (3) As a result of (2), S.T.B.'s operations are now completely separate from N.Z.U.S.A.'s operations.
- (4) Several changes in the Board of Directors have occurred. These include one resignation, one sacking and two appointments.
- (5) A profit of \$17,000 was announced.

N.Z.U.S.A.

Lincoln's relationships within the N.Z.U.S.A have fluctuated throughout the year. This was largely due to the Lincoln delegates to N.Z.U.S.A. councils and S.G.M.s trying to provide a direction for N.Z.U.S.A. which was complementary to L.C.S.A.'s own future.

The major political issues of the year were the introduction of the new Tertiary Study Grant, the imposition of the \$1,500 discriminatory fee on private overseas students, excluding those from the South Pacific, and the general education cuts that occurred throughout the universities.

Lincoln College suffered heavily in the cuts announced for the interim grant, before the block grant was released. Student and staff concern over these measures was reflected in the size of the forum held to discuss the issues.

N.Z.U.S.A. continues to work actively on these issues and the high standard of material submitted to the education department and the like is indicative of

the calibre and motivation of the men/women at National Office.

Problems within the National Executive have usually been short term and have been able to be rectified.

N.Z.U.S.A. is reliant on its constituent members for support and thus must actively seek out its membership for guidance on issues. With this stipulation achieved, N.Z.U.S.A. is and will continue to be a cohesive and credible pressure group.

N.Z.S.A.C.

N.Z.S.A.C. continued to be a valuable source of material for campus culture. This year a number of acts ranging from poetry and dancing to a static photographic display toured the campus. On a regional level the Canterbury Regional Students Arts Council (C.R.S.A.C.) helped develop closer links with the other tertiary institutions in Canterbury.

GENERAL

The Association, like the College, is diversifying. Evidence of this in 1979 has included:

- (1) The Suction and Associated Izok Movement, coupled with the national and international spheres of influence.
- (2) The establishment of a women's representative within the Association for 1980.
- (3) Advances made with respect to the overseas students' welfare and closer scrutiny of requirements for the Diploma in Agricultural Science.
- (4) Holding activities such as the Kite Day, silly and serious sports and numerous other social, sporting and cultural activities.
- (5) The Vice-President organising fencing, truck driving and shearing courses (the latter was featured on a T.V. 2 programme).

On the whole there has been active involvement of all students in sporting and social events. To a lesser extent this has been achieved within the cultural events and the general running of the Association. As in all years it is difficult to motivate people to fill positions within the Association.

Through our Education Officers there has also been some advancement in terms of the recognition of student input into educational matters within the College.

1980

The year 1980 sees two members of the current executive returning in their present positions (President and Treasurer). This will provide some continuity that has been sadly lacking in the past within the Association.

With orientation for 1980 under way it looks as if 1980 will see a further advance in many areas. At this stage there are proposals to build two extra squash courts, and more facilities within the Union (two lounges and an office) are in the pipeline. This will put the students' building fund levies to a constructive use.

In concluding this report (for those not yet asleep) I would thank the Executive for their long hours of commitment to the Association and the students and staff of the College who have endured my shuffling through the year.

D.J. SHAW

President

SECRETARY'S REPORT

JAN ATKINSON

The 1979 Executive was generally hard working and effective. However, there was considerable trouble in the number of resignations and re-elections throughout the year. This made continuity on the Executive a difficult thing. The problem our Association felt with the resignations was seen on nearly all the other campuses and could be a reflection on how students are becoming more serious with their courses. It is unfortunate that this is the way, as the Executive lost many senior and capable students.

The Executive was reorganised a little, which seemed to spread the work load. The introduction of the Information Officer for putting out 'Rampage' and putting up posters was a long-awaited act. Also to assist the Executive, two new positions were created - Suction and Non-Portfolio, which helped on the social side.

The response shown by students in 1979 to L.C.S.A. forums, sports and

social events has been lacking in some areas and this shows up in the response to Executive positions. If students willing to give up their time did not come forward, many college activities would not be carried out. The people who moan the most are those who do nothing. The campus would be a sad place without this small group of dedicated students who try to improve the lot of their counterparts at College and who sometimes take an extra year to finish their course. However, from one who has done this, believe me it is ALL worth it.

Best of luck to the 1980 Executive and those Executives to come in the future.

SECRETARY'S REPORT

HELEN STEVENS

I was asked to fill in as Secretary after Jan resigned and did so very quietly. I feel that I have not filled the position to the utmost because of shortness of time. However, I certainly got an insight into the amount of work involved.

I basically have taken the minutes and written a few essential letters. I thank the members of Executive who took a lot of the work load by writing letters for me. I found that taking minutes restricted me a little in voicing my opinion - but I think it made me take more notice of what was going on.

I also took the minutes at two S.G.M.s and an A.G.M. and noted the apathy of the Lincoln students in general and felt very disappointed in this sort of response. So it pleased me no end that we got such a good response for the Orientation Committee. I hope that this leads to the nomination of some more Executive members at the beginning of next year.

My term of office has been most enjoyable, if not a little haphazard, and I hope that next year's secretary has just as good a time as I have had.

EDUCATION

HELEN SMITH

Having taken up this position way in to the second semester I haven't had the chance to do as much as I'd have liked.

My main activities this semester have been attending Professorial Board,

working with the post-graduate overseas students on proposals to be put to the Post-Graduate Board of Studies, attending N.Z.U.S.A.'s Education Commission and National Education Action Committee, organising Tertiary Study Grant activities - liaising with Registry - organising student activities, etc.

Professorial Board - There have been very few decisions with any major far-reaching effects other than the decision to break results into greater graduations. However, some of the decisions are important to various smaller groups of students. In the future it would be good if the person sitting on this board could form a closer liason with class representatives and post-graduate members of the various departments to enable a better understanding of proposals.

Overseas Post-Graduate Students - have been working with the overseas students to put forward a series of recommendations to the Post-Graduate Board of Studies. The proposals are in their final stages and hopefully some action will take place over the summer.

The Tertiary Study Grant, N.Z.U.S.A. and the National Education Action Committee (N.E.A.C.) - In recent months have been as active as possible in this field, with N.Z.U.S.A. making a very good showing. I feel we have achieved quite a lot in this field, although next year there are certainly going to be major hassles over finance for many students. An active poster campaign, forums, articles, liason with Registry and a visit from Grant Liddell have helped keep this issue alive.

I feel this portfolio may acquire even greater prominence next year and feel that perhaps some assistance in organisation, following up issues for the Professorial Board, and helping keep students informed over bursary, course changes, etc., could be given by a non-portfolio officer or Information Officer. This portfolio will always be difficult to fill if the work load remains heavy and the person taking it on feels unable to devote sufficient time to each facet of the job.

SPORTS

J.L.RAINE AND B.BRACKENRIDGE

This year has seen the Sports Officers in this position. Brian Brackenridge

held the reins for the first term and part of the second. Unfortunately, other commitments forced him into premature retirement. He made a good job of the events he was involved with at the beginning of the year.

His involvement with orientation was firstly with a car rally. This went off particularly well. It was hoped to have another later in the year but we didn't seem to have the time or manpower to get it off the ground. I would strongly recommend another during orientation next year as long as it is well run and based solely on navigational skills and know-your-car tests. Time trials and driving skills tend to lead to accidents and road damage around Canterbury.

Next there was the drinking horn. Again, this was very well run, having been organised by Brian, and made a profit. Canterbury managed to raise a team which attempted to drink us under the table, but failed miserably. However, they pinched the coveted Drinking Trophy which we had taken from Massey several years previously.

The Easter Tourney was held in Auckland. Transport problems were more evident than usual, with the airlines going out on strike. However, with co-operation from Canterbury, we managed to get up there by train, ferry and bus. Our rowers gave an outstanding performance with a very creditable second behind Otago. We also sent representatives in yachting, athletics and volleyball. All in all this was a good tourney for Lincoln and many thanks go to the people who participated from here.

Soon after this I relieved Brian of the position of Sports Officer.

The next major event for Lincoln was the Winter Tourney in Otago. Again, there were transport problems. This time, the airlines were not to blame. Many thanks go to those who dangerously over-loaded their cars to get everyone to Otago. It was a very successful tournament for Lincoln, with about 90 sportsmen attending from here: both men's and women's soccer teams, men's and women's hockey teams, men's basketball team, men's squash team, shooting team, a billiards team, a cross-country team and last, but definitely not least, the drinking team (which was made up of sportsmen from the various teams). Look-

ing at the results, Lincoln came last overall (narrowly), but it definitely did not reflect the standard of sport and sportsmanship we have here at Lincoln. Lincoln College should be very proud of those who attended and respect them for the time and the effort they have devoted to their individual sports. Special mention must be made of Alan Thurlow, who won a N.Z.U. Blue in cross-country - congratulations!

D.B. donated \$250 for the promotion of sports at Lincoln. With the help of Mike Self, Greg Blackstock and the Community Recreation Course students, we put together a Silly Sports Day and various serious sports. The Silly Sports were held during U.F.T. They had been postponed on the previous Sunday due to rain. There was an excellent turnout of over 200 people, of whom over half were competing in the various team events. These included egg throwing, baked bean eating, wool sack races, tyre races, gumboot throwing and weetbix eating - a most enjoyable time was had by all.

The serious sports were held on the following Saturday; seven-a-side rugby (which was organised by the Rugby Club), seven-a-side hockey and basket-ball (normal applied rules with at least one woman player). The golf was held the week-end before in drizzling conditions.

All prizes were collected at the Sports Dinner (the evening of the serious sports) - a bit of a bribe to get people to go, but it certainly was one of the best social events held at Lincoln this year. Our guest speaker was the one and only "Wizard", who, in his usual manner, played upon the audience beautifully. A disco was held after the dinner, presentation and the "Wizard's" speech.

Blues were awarded to:

Grant Utteridge	-	Squash
Alister Robinson	-	Rowing
Simon Beamish	-	Rowing
Andrew Stevenson	-	Rowing
David White	-	Rugby
Brett Codlin	-	Rugby
Peter McNab	-	Athletics
Alan Thurlow	-	Athletics
Alan Thurlow	-	Cross-country

The Sportsman of the Year Award was presented to Alan Thurlow, a fine athlete who has a truly outstanding future in

world athletics and cross-country. He has already represented New Zealand in both.

The Sports Dinner highlighted my part of sporting organisation for Lincoln College. However, I must say that the Sports Dinner is held primarily for sportsmen and women and it was disappointing to see such a poor turnout, in view of the recognition they deserved. This year 150 people attended - one of the biggest crowds for years, and the people who turned up really enjoyed themselves.

So ended the major events on the sporting calendar for Lincoln. The majority of clubs have been pretty active on the campus this year.

BASKETBALL

The "A" team has moved to the Canterbury 2nd grade, where we were the runners up in the middle group of the section. It was a successful year for all players and full credit must go to Mike Barker for his organisation.

The "B" team was more a social side. Yours truly captained the side and found it fairly time consuming; Cowles Stadium is a long way to go. Other teams did not appreciate that we had exams and holidays during the season (except the N.A.C. team). We ended up in the middle of the 3rd grade; not a bad result, considering all the effort that went into it.

The girls' team had a very successful season, winning the 3rd grade. During the season a round robin was run, but on the final night a knock-out competition was run for the top teams. Full credit goes to Lorraine and Liz for their organisation. Outstanding performances were given by Cathy Bowers, an outstanding player who Lincoln is sad to lose.

With the opening of the Recreation Centre basketball must flourish at Lincoln and, hopefully, we will see a swing from the more traditional sport of Rugby to the relatively new sport of basketball. This was evident on the D.B. Sports Days, which showed a good turnout of talented players.

RUGBY

As the Lincoln College Rugby Club takes in over one third of the student population, it would be difficult to

report on all teams, so I have picked the Under 19A, Under 20A and the 1st XV. These, I think, represent Lincoln at most grades of play.

UNDER 19A

This team had a very successful season, but was knocked from the almost unbeatable first place at the last moment and was relegated to second; an unfortunate outcome for such a successful side.

UNDER 20A

Gaining first place in their grade competition was a well deserved win for such a talented side. Hopefully, next year's team will keep up the standard already set.

1st XV

The 1st XV met with misfortune this year. They played to an unusual pattern, beating the good sides and going down to some of the weaker sides around town. However, they came away with the "Press Cup", this being the first year it has been presented. The aim of this cup is to promote good sportsmanship on and off the rugby field. Lincoln must feel honoured to receive this cup in the first year of presentation. This reflects both the merit of the players and Dr Hart's influence on the team.

OTHER EVENTS

STANFORD UNIVERSITY

Stanford University of California toured New Zealand towards the end of the New Zealand rugby season, playing invitation sides. Lincoln put up a side weaker than our 1st XV. It consisted of players from all grades from Under 19s to the 1sts. Played in very cold and wet conditions, the final score of 21 - 9 gave Lincoln a deserved win, but I am sure Stanford gained from the experience both on and off the field.

7-A-SIDE

D.B. sponsored and run by the Rugby Club, this game met with a great deal of support from all teams. Many inter-grade teams joined forces and a good Saturday was had by all. The winners were Central City Wanderers (mostly XV players), but the final was very close.

INTER-FACULTY RUGBY

Last but definitely not least there was inter-faculty rugby. Ag. Com. featured in all wins and the final was between Ag. 111 (who had won it two years running and were looking for the hat trick) and Ag. Com. 1, consisting mainly of the Under 19 team, with a sprinkling of experience in key positions. Ag. Com. 1, the under-dogs, beat Ag. Com 111 fairly and squarely. Congratulations!

HOCKEY

There are seven hockey sides at Lincoln. These consist of two women's sides and five others which include several serious and a couple of social men's sides. It was a mixed season for the club, but the 1st XI definitely excelled in their grade, considering the young age of the side. Winter Tourney saw two wins and a draw, but the teams were capable of better things.

The women's highlight of the season was Winter Tourney, with wins against Canterbury lifting the whole team. The other win was against Auckland, so the team really proved a force to be reckoned with.

Many thanks must go to Ken Abrams and Rupert Tipples for the coaching of the two sides. Both put a great deal of time and effort into the club. The 7-a-side day was a success for Ken Abrams' home-made team.

The other highlight was Lincoln College's victory in the men's 3rd grade indoor hockey for the Canterbury Region. Lincoln met Canterbury in the final and thrashed them soundly.

SOCCER

Still a steady club at Lincoln this year, the women's side excelled themselves by winning the 3rd grade for the Canterbury Region. They should, however, look for a higher grade, as 12 - 0 wins are not exactly exciting when they happen weekend after weekend. Winter Tourney meant a loss of several key players, but a fine effort was, nevertheless, made by both men's and women's sides.

ROWING

This sport is handicapped here at Lincoln as we have no practice facilities. We are, however, gifted with top

club rowers attending Lincoln. This was apparent at Winter Tourney, with a second place being gained behind Otago, when nobody had given us a chance. We also had three rowers selected for the N.Z.U. Team. This standard should be maintained.

VOLLEYBALL

Lincoln has not been particularly strong in this sport this year. The club has been stacked away somewhere for most of the year, coming out for only a brief period for Easter Tourney. Next year might bring a bigger influx of keen players.

ATHLETICS AND CROSS-COUNTRY

Once again, Lincoln is gifted with a few dedicated sportsmen and women in this area. Alan Thurlow and Pete McNab seem to be the mainstay, Alan Thurlow having won a N.Z.U. blue at Winter Tourney, showing his international class in this event. Pete McNab is also well regarded as an outstanding decathlon athlete, in addition to organising a sports day and a fitness championship on campus.

GOLF

This sport has been lifted this year and, with the help of D.B. sponsorship, a competition was run. Hopefully, this type of event will boost the growth of interest in golf, with a club being formed.

SQUASH

This is probably the most rapidly growing sport on campus. With two courts available on campus and another two being planned for within the next two years, this trend will definitely continue. We still lose excellent players to town sides, but this will hopefully be reversed with the increased facilities and the prospect of a stronger club in the future.

BADMINTON

The championships were held near the end of the season and, although we have many experienced players at Lincoln, few are keen to get an active club organised. Many students play socially.

TENNIS

Little serious tennis has been played

at Lincoln, but courts are well used over the summer periods.

NETBALL

The Netball Club uses the tennis courts over the winter period for practice and social games. Our netball side this year consisted of a few determined players, and since we have a small female population here at Lincoln, it is very hard to enter a high standard side in the competition. We do, however, have two or three outstanding players whom we lose to town club sides.

FENCING

Lincoln had one particularly strong fencer this year in Chris MacIntosh, who represents N.Z. for his age group and who has done so for a number of years. Chris roused a certain amount of interest in this sport this year, but without such outstanding individuals, the sport fades from the Lincoln scene.

SHOOTING

This year saw a shooting gallery installed upstairs in the Recreation Centre. The club featured at Winter Tourney, but managed only to stop anyone else beating them to last place. We wish them better luck next year.

TABLE TENNIS

Table tennis is a sport which is looked upon as a social activity here. Very little serious table tennis has been played, but with the availability of the facilities at the Recreation Centre, the sport must become more popular.

ALPINE SPORTS CLUB

The campus also features the Alpine Sports Club, which caters for the mountain areas of New Zealand. Craigieburn Ski Lodge still provides Lincoln with a valuable link to these areas. The ski side of the club is continually expanding.

DEERSTALKERS CLUB

Little is heard about the Deerstalkers Club, but it is very active despite this fact. It also caters for the bush and mountain student on campus.

As you can see, Lincoln has many and varied clubs on campus, so understanding the needs for these clubs is very important.

Lincoln is endowed with a large number of true sportsmen. We may well have the greatest number of active sportsmen per head of students than any other University in New Zealand. We are extremely fortunate to have the Recreation Centre, run by Sam Leary. This undoubtedly promotes many and varied sporting activities on campus. This complex should be helped and expanded into as many fields as possible to cater for the individual needs of students. This will, in turn, help the so-called "bored" student with "nothing to do". Instead of spending both time and money down at Bob's, people will be encouraged to spend more time bettering themselves physically. I'm not knocking the drinking time spent by students at Bob's (as the social time is just as important as lecture time at Lincoln), but merely pointing out the fact that a good many students need to let off steam.

Many thanks must go to the other Executive members and to Sam Leary for all they have done to help Brian and me.

WELFARE

PHIL TROTTER

The Annual Report of the Welfare Officer for 1979 is divided into the following major sections:

- (a) General health services and Welfare Services Committee.
- (b) Counselling.
- (c) Accommodation and flatting.
- (d) Council reports.

GENERAL HEALTH SERVICES AND WELFARE SERVICES COMMITTEE

The Health Centre has once again proved to be an invaluable asset to the College. This year we had the services of two registered nurses, a full-time doctor and a physiotherapist. The latter provided a service very much sought after here at the College, where such a great emphasis is placed on sporting activities. The Health Centre was used to advantage during the whole

year and the services appear to be totally adequate since they did not appear to be overly taxed at any one point in time during the year. The contraceptive vending machine was relatively ineffective this year as it was constantly being vandalised and thus spent quite a bit of time being repaired. Hopefully this service will be improved next year.

The Welfare Services Committee did not meet early in the year, but a meeting was convened in the latter part. Although there was substantial discussion regarding free contraceptives on campus, nothing concrete was established on this or any other point.

In summary, the Health Centre as a whole ran very smoothly and efficiently, with only minor problems that were easily solved.

COUNSELLING SERVICES

This year we had the full-time services of a professional counsellor, namely Mr Max Abbot. His services proved to be invaluable and were extended to their fullest. As well as providing a counselling service, Max also ran a number of courses on study and work habits, leadership, and other various topics pertaining to university life. As this was the first time a full-time counsellor had been employed, the benefits from this service were innumerable. Per head of population, Lincoln is at a definite advantage in the field of counselling compared with other campuses. The counselling service has been much needed at Lincoln for some time and now that it has arrived it is certainly being used to the maximum and I hope that its success in the future is assured.

ACCOMMODATION AND FLATTING

There is nothing new to be reported in this section, other than that students found that the cost of accommodation and flatting was increasing greatly. With the completion of another two buildings similar to the existing Centennial Halls planned for early next year, we can look forward to a further alleviation of the accommodation problem.

With the ever increasing roll of the College the need for adequate accommodation facilities must constantly take top

priority. Although this problem is not quite as pressing as on other campuses it is still essential that we keep ahead of the fluctuating and expanding needs of the student population.

The student flats were filled to capacity but there are no immediate plans to build any more of these. Most students tend to cope with the problem of accommodation fairly well and any problems are very quickly dealt with.

COUNCIL REPORTS

Although I attended only August Council, I found the trip to be beneficial in that I gained some knowledge of how N.Z.U.S.A. is run and was also able to discuss and compare various welfare topics with representatives from other universities. Generally, the meetings were quite entertaining and I found them to be reasonably beneficial.

THANKS

Lastly, I wish to thank everyone who helped me this year and those who have made it possible for the Welfare Services to run smoothly.

INFORMATION

HELEN STEVENS

This position is a new one, basically covering the duties of the old position of Liaison Officer. Because I have been the first Information Officer the job has been influenced by my perception of it. I took over the position at the end of June and, since then, have had an eventful and interesting association with L.C.S.A.

The principal duty is one of liaison between students and the Executive; consequently, I made use of 'Tripe'. Recently, it was given the new name of 'Ram-Page'. My thanks go to Jan Hart of the Visual Aids Department for coming up with a really exciting heading.

I tried to issue Ram-Page fortnightly and to keep the news as current as possible. This involved a great deal of running round. At this point, the next holder of this office should be warned - it's not what you know, but who you know - that counts!

Ram-Page was also used to publicise L.C.S.A. events such as forums, S.G.M., Silly Sports, etc. My thanks go to members of Executive who contributed to

Ram-Page as this made things much easier.

As well as producing Ram-Page, I attempted to compile a list of contact names and addresses for clubs. This has been reasonably successful and will be published for Orientation, all being well.

As for next year, I would suggest that the following Information Officer should use his or her own ideas, letting mine act as a precedent only where relevant.

I wish to thank all those who helped me in a very enjoyable term of office and to give my best wishes to next year's Executive and their Information Officer.

CULTURAL AFFAIRS

PENNY GLUYAS

The year 1979 has been a fairly quiet one culturally because, for a period of time, there was no C.A.O., and, because there was only a small Executive for part of the year, Cultural Affairs seemed to be somewhat overlooked.

During that time we still managed to get a visit from the Limbs Dance Company, and Debbie and the Dum Dums, along with two local rock bands, provided some very good afternoon entertainment during Orientation.

Another very good event this year was the visit by the four poets, Sam Hunt, Jan Kemp, Hone Tuwhara and Alister Campbell. This evening was very well-attended by Lincoln standards, and a very relaxed atmosphere was enjoyed by all.

The Students' Art Festival was held this year at Canterbury during the May holidays. It was, from all reports, a very enjoyable and interesting week.

The N.Z.U.S.A. Photo Art Competition was displayed at Lincoln for a week and aroused some interest. Many students felt that they could do just as well, if not better. Unfortunately, this was overlooked earlier in the year, as no entry forms made it past the Executive Office. We were hoping to have our own competition before the end of the year, but exams seemed to loom up rather suddenly. Nevertheless, a lot of interest was shown.

The International Night was, as usual, a roaring success and featured many interesting items. These were presented by varied overseas students.

Six hundred people attended.

The Lincoln College Variety Concert was held on October 1st and was very well organised by Gordon Spite and Mark McDonald, who put a lot of time into it. Helen Stevens, Phil Hemming and Dave McKenzie were also very hard workers. About 350 people attended the concert, which had a vast spectrum of acts, from bagpipe recitals to New Wave rock bands.

As a result of interest shown in the formation of new recreation clubs, some will probably be started next year, such as drama, pottery, etc. The Memorial Hall was designated as an area where people can practise the piano, instead of in the public cafe area, and we will also be able to use this for art displays and club work such as drama, etc.

It has been found that many students are sick of having only sport recreation facilities and no cultural recreation facilities, so I hope something will be done about this next year.

One of the few items of interest that did not quite make it to Lincoln was the visit to Christchurch of the New Zealand Opera Company, which has just recently been formed. The opera they performed was Mozart's *Così fan tutte* and it was a very successful production. Hopefully, they will be around for a good deal longer.

The New Zealand School of Photography held an exhibition at the Christchurch Arts Centre, a very interesting display with a very high standard of photographic art. At present (15th - 27th October), the play *Night and Day* is in Christchurch, starring Lynette Davies (Davinia Prince from "The Foundation") and Donald Burton (Commander Nyler in "Warship"), two very talented performers.

There have also been visits by the N.Z. Symphony Orchestra throughout the year, but due to financial difficulties I have been unable to attend any.

In view of the changing needs of students, I hope next year will be a more prosperous one than this year has been, for Lincoln College culture.

NATIONAL AFFAIRS

K.A. MCENTEE

*"Quidquid agas, prudenter agas,
et respice finem"*

As N.A.O., Miss McEntee was a

disaster (albeit a small one), finding that the position required more time than she could make available.

Her main role was to organise forums (not as easy as it sounds, especially when speakers want a large attentive audience), of which only two are of note - Family Planning and The Campaign against Nuclear Disarmament.

After she had put down the telephone for the day, her next task was to listen to the news and read the newspapers (plus any information sent by various organisations) to find out what was happening in New Zealand and its relevance to Lincoln students.

For a tremendously organised person, who is prepared to put in a lot of time and energy (does such a student exist?) to keep Lincoln informed on N.Z. affairs, this would be the job for you!

ORIENTATION

P.M. THREADGILL

This report is intended as a guide to future controllers, with a review of the various activities held in Orientation '79.

To start with, the controller(s) and business manager(s) should be appointed as early as August of the previous year. Likely candidates should be approached to fill the positions rather than relying on volunteers. The committee should be established as early as possible in order to maximise its efficiency. The first committee meeting should be about the first week of August. At this meeting, people should be assigned different jobs (i.e. booze, lights, food, bands, etc.) and to individual Orientation functions. The majority of work should be delegated, to allow the controller to concentrate on co-ordination and trouble-shooting. This may be a full-time job. A tentative programme should be prepared and all responsibilities delegated before exams, so that as much as possible can be achieved before the end of the year.

A list of holiday addresses and phone numbers is essential and should include information on when people expect to return. Attendance at the controllers' forum in Wellington, organised by the N.Z.U.S.A.C., is important, since a lot of information on short cuts and re-programmings can be gained. Pauline

Bartholemew made comprehensive notes on last year's forum.

A budget should be prepared and both the programme and the budget be presented to Executive before exams. Professor Stewart must approve of the programme.

The delegated people should inform the various organisations involved in their area of responsibility of their identity and the nature of their duties, i.e. the booze controller needs to see Mr Cowlshaw and the food controller Mr Webb.

It is important to have the majority of the printing done early in the year, owing to the heavy workload at the printery in the later stages.

The Orientation Magazine, including all relevant guff sheets, should be posted in January, in order to have the information returned in time for the Computer Ball. There must be good liaison with the magazine editor in order to achieve this.

A separate committee is essential to organise the Computer Ball, as this is the most time-consuming and problematical item on the programme.

Orientation headquarters layout requires a lot of thought in order to maximise the use of the small area available. It also needs to be advertised well, with large window posters and arrows in the Union building.

REVIEW OF ORIENTATION '79 ACTIVITIES

THURSDAY

Supper Stein

Because the residential tutors are introduced at this function, it is essential to limit the number of speakers. Food is essential to soak up the large quantities of amber liquid which are customarily consumed, but I would suggest that future controllers refrain from providing cheese.

FRIDAY

This is the first lecture for the freshers, to introduce them to the lecturing system and to the local authorities. This year, these authorities included the Principal, L.C.S.A. President, Doctor, Counsellor and the head academic tutor. The bus tours around the college were organised by the College itself. This is a sound idea but, if not organised by the College, is

time consuming in its organisation.

Disco

Friday night featured a disco in the cafe, since it was felt that such an event would meet the social needs of inhibited school leavers and farm labourers more effectively than a band.

SATURDAY

Silly Saturday

We organised a treasure hunt around the College and Lincoln Township, to familiarise students with the College and to support the local sponsors. Bob appreciates a clue being sited in his pub. A slogan had to be devised in order to stop participants from taking short cuts. Posters bearing clues had to be watched so the leaders didn't remove them. On the whole, this activity pleased the majority of students, the winners completing the course in half an hour.

Barn Dance

This event was a success, owing to the engagement of the Bull & Bush Band, whom we thoroughly recommend. The evening was notable for a drop in both the booze sales and the mess.

SUNDAY

Church Service

It is important to provide a service on Sunday, but, unfortunately, this particular service was cancelled at the last minute.

Open Air Concert

Debbie and the Dum Dums were the highlight of the afternoon, coming from the N.Z.S.A.C. and providing a great show. The band was a fizzer, however, since Lincoln College students as a whole do not like New Wave (although it is rumoured that some of the trendy horties follow that sort of thing).

Barbeque

Held in the College grounds, this event was highly successful. Most of the meat was cooked by the refectory and the remainder outside to give a barbeque effect.

Film

The cost of films should be included in the budget, so that students gain admission with the purchased orientation card. Usually the attendance by members of the public enables films to

pay for themselves. It is necessary to book films early, in order to ensure a good selection.

MONDAY

First full day of lectures.

Housie Stein

The purpose of this function was to introduce the staff. It is advisable to limit introductions to a maximum of thirty minutes, to ensure that plenty of prizes are available and to make cards available for card games. This last point is mentioned in view of the fact that our caller was late in arriving and, because he had left his chips behind, we had to amuse the crowds until 9.30. It seems wise, particularly for the beer sales, to allow breaks between games, although to do so will necessitate the provision of a supper.

TUESDAY

International Night

This was a successful night for international students, but no New Zealanders were present, no doubt because they were all watching "Mash", which was showing in Room 12. This was an unfortunate piece of misorganisation, which was not appreciated by the International Club.

WEDNESDAY

A forum was organised at lunch time to fill the two hour gap. For the Rod Stewart concert, there was difficulty both in the purchase of tickets and the resale of these at the College. In future, it may be advisable to leave such arrangements to the students themselves, unless there is adequate advertising.

Club Night

The responsibility for this night was left in the hands of the clubs themselves. Each club demonstrated its activities, compered by Pauline. The cafe was full although it was a dry night (no booze was available).

THURSDAY

Buffet Dinner

This was intended as a chance for students to meet their tutors. More organisation is required for the staff than for most of the students, since they all have personal views on how

things should be run. Bob Lowe, an excellent speaker, was a worth-while addition to the evening and the weather was ideal. College staff had a top table, while the students were seated on refectory chairs in circles on the lawn. This was a satisfactory arrangement.

FRIDAY

Mystery Night

Held in town, the programme was well organised, with not too many students becoming lost. The dance afterwards was an anti-climax, since the band was of a low standard. It is wise to book the hall 6 - 8 months ahead, and bus transport requires careful organisation.

SATURDAY

Sports Day

This was well organised by Brian Brackenridge, but Canterbury was unable to participate. Games were played between Halls and Towers to make the day interesting.

Bavarian Hop

In my opinion, this item would have been better replaced by a 1940's dance or a "Schooldays" dance, where school uniforms are worn. Otherwise, care must be taken in the selection of a band, and some entertainment, such as a magician, should be provided during the breaks. All in all, this item was not a success.

SUNDAY

As the last day, Sunday needs to hold some feature events.

Car Rally

Many second year students took part, making this a great day. The course must be well thought out and easy to follow. Skill tests, such as wheel changing, are a good idea at the finish of the event. Owing to the difficulty of organising a hangi, we held a picnic for the evening meal, which was much appreciated.

THE FOLLOWING WEEKENDS

Computer Ball

A personal approach to obtaining girls for an event such as this is essential and is best left up to a single person. We employed staff for the night, in order

to let the committee have a well earned night off. Effective function supervision is vital because the drinks are included in the price of the ticket and people will try to gain entry through the toilets. Fire Exits need to be chained as people were inclined to open them. Helen Royd made a good job of posters especially for the night, although these got stolen. It is essential to save the best bands for this event.

AFTERWARDS

We suggest that you spend a couple of days in the sack, and use plastic cups so that you will only have to worry about broken bottles.

Prizes were distributed by the bands at many of the functions for the best dancer or the best dressed; this was a popular idea. Having the committee in fancy dress proved to be a good idea and doesn't cost much, while adding a welcome touch of atmosphere.

It is important to remember to send thank you notes to all the sponsors and equally so to employ a person to check the accounts. This makes things as easy as possible for the business manager.

Have a party when it is all over.

LINCOLN COLLEGE SPORTSMAN OF THE YEAR

When the Sportsman of the Year was announced at the Sports Dinner, many people must have been thinking - "Who is this guy?" When he stood up they surely said "What! He is even too small to play half-back for the Zubricks." Whoever heard of an athlete winning the Lincoln Sportsman of the Year!! Well, he did, and deservedly.

Alan Thurlow started running at 13 (like smoking, it seems to stunt your growth), but only ran in his high school career. He ran third in his first outing at the National Champs (in the Junior 1500m in 1975). Following that, Alan did not run on the track until 1978. He was injured for a while and spent 18 months overseas including Africa, Europe and Montreal, spectating at the 1976 Olympic Games. Probably the African food could account for Alan's light build and his running success.

His return to the serious competitive athletics on the track came in 1978,

when he ran first in the 10,000m and subsequently qualified for the Commonwealth Games at Edmonton. He was selected for the 5,000m and 10,000m, but due to fatigue (and probably the athletes' disco) he only ran the 10,000m, coming a creditable 8th.

Returning to New Zealand, Alan ran in the National Champs in March, and won the 10,000m and came a close second in the 5,000m to none other than Rodney Dixon, of whom you may have heard.

The World Cross-Country Champs in the Irish mud was his next outing, where New Zealand did dismally, but Alan managed to finish in the mud.

The latest trip coming his way was to the World Student Games in Mexico City during August. Representing N.Z. Universities, Alan came a creditable 8th in the 5,000m, and was one of the two New Zealanders not to be affected with the Mexican food syndrome (the trots).

That sums up surely why Alan was chosen as the Lincoln Sportsman of the Year amongst such stiff competition as our Canterbury rugby reps and renowned drinkers. We just hope Alan can continue his climb to the top. (Caclin)

THE ATHLETIC SPORTS

Those who remember the golden era pre-1960 would be disappointed to see that "Sports Day" is now a very minor event indeed. However, thanks to Sam Leary, Alan Taylor and some dedicated enthusiasts, there was a small but very enjoyable athletics session this year - quite an advance on the previous two in which there was no competition at all.

The demands of an early rugby season, progressive assessment and the necessary heavy training commitment for those who wish to succeed at the sport have meant that there is now virtually no student interest in its administration. Therefore, the club must be all the more thankful to those staff members who have put time and effort into re-establishing it.

RESULTS

MEN

100 metres: 1. B.Norton, 2. B.Thorold, 3. P.Visser; 12.0 sec.
400 metres: 1. L.McCallum, 2. G.Pitman, 3. P.Simpson; 56.8 sec.
1500 metres: 1. A.Young, 2. D.Lee-Jones, 3. A.Quinn; 4m 35 sec.

5000 metres: 1. J.Ironside, 2. B.Nowell, 3. B.Norton; 16m 37 sec.
High jump: 1. P.McNab, 2. R.Wynn, 3. R.Hull; 1.80m.
Long jump: 1. L.McCallum, 2. M.Mellsop, 3. P.Simpson; 5.10m.
Discus: 1. R.McMillan, 2. P.McNab, 3. B.Codlin; 37.85m
Javelin: 1. P.McMillan, 2. P.McNab, 3. B.Thorold; 55.50m.
Cricket ball: 1. P.Visser, 2. P.McNab, 3. K.Scott; 78.03m.
Caber: 1. B.Breckenridge, 2. P.Visser, 3. D.Edmondson; 10.44m.
4^R100m relay: 1. Ag.Sci.4, 2. Ag.Com. III(b), 3. Ag.Sci.I; 49.09m.

WOMEN

100 metres: 1. V.Dennison, 2. H.Roud, 3. Williamson; 14.5 sec.
1500 metres: 1. C.Miller, 2. J.Blakely; 5m 22 sec.
High jump: 1. H.Roud, 2. V.Dennison, 3. C.Laing; 1.35m.
Discus: 1. P.Bartholomew, 2. V.Dennison, 3. C.Hawe; 25.70m.

HOCKEY

Hockey is beginning to rival rugby in terms of participation. With four men's and two women's teams, it is the second largest and perhaps most rapidly growing sport on campus.

The Women's A team was playing in the 1st Grade of the Christchurch competition - an excellent attainment in itself. Although they were not always winners, they beat most of the highly rated sides at least once and finished a very creditable 4th.

The Men's A side, playing in Senior Reserve, also finished 4th - this time in Senior B, which is a strong grade.

The lower teams also had their successes - due to the participation of such notables as the Professor of Animal Science, senior members of the Plant Science, Economics and Farm Management Departments and the evergreen Dave King, who was selected for the Canterbury 5th Grade side (with, of course, some minor assistance from student members!).

SOCCER

The Soccer Club likes to hide its head under the proverbial bushel. The 2nd XI did manage to get a few lines into the winter sports edition of "Caclin" but that is the only information we have seen

from them! Perhaps they think that the "no hands" rule applies to writing too!

Anyway, from personal observation, soccer is still alive at Lincoln, but whether it is well or not will have to await the verdict of history.

FIRST XV 1979



Inset: S.R.CARROLL Back Row: A.H. STEVENSON J.G. SARGENT P.J. CUNEEN

Third Row: MR T.E.LUDECKE R.H.MANNERING T.M.WRIGHT R.A.RIDDELL P.G.EVEREST DR D.S.HART
(Manager) (Coach)

Second Row: P.C.FRANKLIN D.B.GILLANDERS M.A.MACINTOSH M.J.COUTTS A.McLELLAN L.I.RICKARD

Front Row: J.D.COXHEAD P.J.CHAMBERLAIN G.L.SHAPLAND D.A.WHITE B.W.CODLIN R.J.M.CRAWFORD H.RYAN
(Captain)

ALL BLACK TRIALS

J.G. White

Lincoln College was well represented in the recent All Black trials, with ten per cent of players from previous senior teams. These were:

John Sisley (Waikato) - Lock
Paul Quinn (Wellington) - Flanker
Mark Codlin (Counties) - Halfback
Paul MacFie (Otago) - 2nd 5/8
Ian Hurst (N. Otago) - Centre
Andy Jefferd (East Coast) - Centre
In addition, Andy Dalton, a 1978

All Black, is on the injured list.

CENTENNIAL YEAR

1979 marked the Centennial of the Canterbury Rugby Union and the Club, as one of the oldest in the Province,

looked forward to a successful year. Not all our hopes were fulfilled in terms of competition success, but there was no doubt that in terms of sportsmanship, spirit, solid effort and enjoyment it was a good year.

The 1st XV, which combined a core of last year's players with some talented newcomers, won the prestigious "Press" trophy for sportsmanship and enterprise; won two Fletcher "Team of the Day" awards; defeated old rivals in Christchurch - Varsity A - and were worthy representatives in every sense of the word. Holiday games, injuries and the luck of the draw seemed to be against the team on many occasions, but their best performances were very good indeed and were a tribute to "Doc" Hart and the

team leadership.

The 2nd XV, playing with skill and determination in every game, was one of the joint winners of the Senior B competition. One of its few losses was to the 3rds, who played in the same competition and who also played 80 minute rugby throughout a very demanding season.

Our top under-age teams, the Under 20 A's and Under 19 A's, had excellent playing records, each recording only one loss. But the Rugby Union's peculiar system of deciding winners meant that they were forced to share honours with teams which in some cases were 8 points behind them in the table.

Club rooms at the Carlton were again enjoyed by large numbers - thanks to the management, to Peter Clark who generously supported our raffles, and to Jack Hollick and Jim Malcolm, who provided the organisation.

Representative honours were widely spread and congratulations are extended to the following:

Canterbury A: B.W.Codlin, D.A.White;
N.Z.U.: D.A.White;

South Island Universities:
D.A.White, B.W.Codlin,
R.J. Crawford;

Canterbury Maoris:
L.Rickard;

Senior B: L.Seroma, J.Donkers,
R.G.Hull, S.F.Pittaway,
S.Stewart, N.Shirtcliffe,
R.Hill, J.Mangan;

Canterbury Colts:
M.Mackintosh;

Canterbury Under 20s:
H.G.Bowie, R.J.Bird,
L.S. Ross, M.B.Shipley,
I.J.Kerse, P.J.Sheath,
R.M.Gollan, R.A.Young,
D.S.A.McLean;

Canterbury Under 19s:
A.J.Morris, A.Anderson,
P.J.Loveridge, C.G.Pullan,
P.M.Williamson (C.U.18),
J.D.Brown, W.J.Johnstone.

GRADUATION 1979

The Chancellor of the University of Canterbury, Mr B.F. Anderson, conferred the degrees and the Chairman of the College Council, Dr D.W. Bain, the diplomas.

DOCTORS OF PHILOSOPHY

Muhammad Nur Nabi (in Entomology), Janet Carr Ward (in Entomology), Mary Ruth Williams (in Soil Science).

MASTER OF SCIENCE in Biochemistry

Bruce Richard Dobbs

MASTER OF SCIENCE in Resource Management

Francis Charles Bacon, Louise Mary Paterson.

MASTER OF AGRICULTURAL SCIENCE

Allan Vincent Stewart (First Class Honours in Plant Science).

MASTER OF HORTICULTURAL SCIENCE

James Thomas Sinclair Walker (Second Class Honours, Division I in Entomology).

BACHELORS OF ENGINEERING in Agricultural Engineering

John Charles Bright (First Class Honours), Richard Grant Broadhead (Second Class Honours, Division I), Ross William Neville (Second Class Honours, Division I), James John Patterson McLean (Second Class Honours, Division II), Craig Victor Smart (Second Class Honours, Division II), Andrew James Aldridge, James Albert Carmichael, Arthur Robert Giffney, Kenneth James Higgie, Peter Herbert Kerse, Roger George McRae, Colin Charles Munn, Malcolm John Nielson, Rommert Stellingwerf, Colin Shen Young.

BACHELORS OF AGRICULTURAL SCIENCE

Glenys Anne Chesterman, (First Class Honours) (Senior Scholar), Stewart Francis Ledgard (First Class Honours) (Senior Scholar), Leslie Albert Davidson (First Class Honours), Peter George Falloon

(First Class Honours), Graeme Francis Giles (Second Class Honours, Division I), Gary Robert Wilson (Second Class Honours, Division I), Peter David Andrew, Stuart James Bruce, Peter Rivers Cattell, Anthony Peter Conaglen, James Ian Davis, John Anthony De Goldi, Bryan Hugh Farquhar, Charles Angus Flanagan, Ian Andrew Gilbert, Richard Scott Gretton, Bruce Raymond Guy, Robin Leslie Hayes, Edmund Connel Hunt, David Russell Kimpton, Stuart John Macintosh, Richard John May, Catherine Owens de Novoa, Michael Gerard O'Brien, Richard James Graham Parsons, John Christopher Pearce, Ivor Martin Plumstead, David George Selbie, Alistair Malcolm Shearer, Alan Smith, Kimberley Robert Stevenson, John Paul Turner, Leigh William Vickery, Robin Andrew Whitford, Hugh Patrick Wigley, Shirley Elizabeth Young.

BACHELORS OF HORTICULTURAL SCIENCE

Avis Rosalie Robb (First Class Honours), Andrew Robert Tomkins (First Class Honours), Bronwyn Elizabeth Sinclair (Second Class Honours, Division I), Peter John Batt, Glennys Margaret Bradley, Chou Yoot Chan, Joanne Adair Hoare, Lynley Suzanne Jackson, Alfred George Boonkong Leong, Jennifer Margaret Somervell.

BACHELORS OF AGRICULTURE

Martin Joseph Connell, Elizabeth Anne Prentice, Michael Thomas Bridge Waldin.

BACHELORS OF HORTICULTURE

William John Hansen, Alison Wendy Hunt.

BACHELORS OF AGRICULTURAL COMMERCE

Alistair Roderick Abbott, Robin Neil Andersen, Jonathan Norman Bain, John Lindsay Ballam, Gary John Barnett, John Gilmore Barnett, John Horace Bayly, John William Bellingham, Russell Vaughan Brand, Martyn Timothy Brick, Diane Helen Brooker,

Michael Wynston Broome, Shane Robert Carroll, James Francis Coltman, Bruce Douglas Cowper, Christine Cowper, Philip Kenneth Milsham Evans, Richard John Evans, Andrew James Ewen, Anthony Wilbraham Ford, Richard Allan Ford, Alison Mary Fraser, Christopher Anthony Garner, Andre Martin Hickson, Timothy Ralph Matthew Holdgate, Murray James Horn, Mark Ronald Ireland, Brian James Irvine, Annette Harland Johnson, David Robert Johnson, Evan Ashley Lane, Timothy David Langley, David John Laurenson, Lee Wah Ping, Gerard Joseph Logan, John Macaskill, James Embry Mackereth, Ian Neville McCormack, Bruce Andrew McGregor, Falcon Meredith Moore, Philip Hunter Murray, Christopher David Neill, Richard Nelson, Tuck Hong Ng, Bruce Alan Nisbet, Ong Foo Yong, Mark Kenneth Oulaghan, Michael Stephen Parr, Jeffrey John Warne Pearse, Grant William Perry, Bruce Herbert Robertson, Bruce Allen McKenzie Rolls, Verne Ropiha, James Robert Ross, Malcolm Goodwin Aslin Rough, Kerry Michael Ryan, Douglas Hill Sherning, Bruce Robert Shields, Brian Leslie Sparrow, John Ronald Stevenson, George Ross Stewart, Bruce William Sullivan, Simon McKay Sutherland, Tee Tong Teo, Charles Peter Verstappen, Mark Bernard Walsh, Elizabeth Ann Weatherburn, Philip Walter Wilkinson, Craig Philip Williams, Ross Howard Williamson, Andrew Gibson Woolfield.

DIPLOMAS OF AGRICULTURAL SCIENCE

Evan Ashley Lane, David John Martin, Hans Schaper, Roger Donald Smith.

DIPLOMAS IN LANDSCAPE ARCHITECTURE

Karen Jerard, Stephen John Thompson.

DIPLOMAS IN NATURAL RESOURCES

Deryck Jonathan Shaw, Pierre Stephen Woolridge.

DIPLOMAS IN PARKS AND RECREATION

Louis Pierre Bartlett, Peter Bilton, Miles Timothy Giller.

DIPLOMAS IN FARM MANAGEMENT

Paul Douglas Atmore, Peter

Howard Bennett, Paul Kenneth Brand, Peter John Finch, Thomas Gerard Goodger, Martin Robert Hall, Timothy Keith Harris, Kevin John James, Peter Edward Kerr, James Lambie, Timothy Garth Martin, Geoffrey Ian Morris, Robert Gray Pearce, David Lindsey Ross, Peter Christopher Savage, Anthony Hugh Stodart, Kevin Robert Ward, Stuart Watson, Keith David Williams.

DIPLOMAS IN HORTICULTURAL MANAGEMENT

David Lewis Shillito, Colin Peter Thew.

DIPLOMAS IN FIELD TECHNOLOGY

John Sydney Meekings (with Distinction), Susan Isobel Adams, Roger Kelvin Arnesen, Jeremy Edward Bentley Davison, Helen Bessie Dick, Richard Ian Gilbert, Ian Peter Gold, Janice Sophia Hoogenboom, Alison Wendy Hunt, Ashely Raymond Lamb, Alan Charles Monigatti, Christopher George Thomas Morgan, William Gerald Nagle, David Neville Neeson, John Francis Pedofsky, Jeffrey Brian Radford, Alan Keith Searle.

DIPLOMAS IN LANDSCAPE TECHNOLOGY

Barbara-Anne Braithwaite, Barbara Anne Horrell, David Hamer Parsons.

DIPLOMAS IN WOOL TECHNOLOGY

Patricia Ann Campbell (with Distinction).

DIPLOMAS IN AGRICULTURE

Denis O'Connell (with Distinction) (Gold Medallist), Graham John Buick (with Distinction), Patricia Bulman (with Distinction), Ian Jeffrey Kofoed (with Distinction), Blair Douglas MacPhail (with Distinction), Richard Abraham, Philip Neale Barnes, Ralph Blue, Donald Stephen Brittenden, Andrew Young Carruthers, Timothy Peter Chamberlain, Philip Andrew Cooper, Andrew John Davison, Richard John Doney, Kevin John Earl, Michael James Richard Franklin, David Robert Gallagher, Donald Timothy Gilkison, Stuart John Gilmour, John Michael Goulding, Michael Graham, Ruth Florence Graham,

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Hamish Wallace Knox Gray, Eleanor Margaret Greenhough, Christopher John Guthrie, Abdullah Bin Hj Hamid, Andrew Robin Hollander, Hilary Jamieson, Roger Kenneth Johnstone, Michael Mark Lyons, Robert Hamish McCallum, Philip James McKenzie, Jean McLean, Alasdair John McLeod, Brian William O'Connell, Iain Charles Ogilvie, David John Parker, Stuart Bruce Percy, Malcolm Desmond Pooke, Richard John Reed, Jeremy Robert Rowley, Ross Stewart Ruddenklau, Robert Schikker, Philip Douglas Seymour, David Andrew Shaw, David Gordon Sim, Robert Kirkpatrick Simpson, Simon Mansfield Smail, Richard George Arthur Stephens, Paul Michael Treadgill, Patrick Tohill, Brigitte Marion Treadwell, Terence Michael Whelan, John Bryce Williams, James Young.

DIPLOMAS IN HORTICULTURE

Mary Teresa Gallagher (with Distinction), Michael Bernard van Workum (with Distinction), Kathleen Ivy Barton, Miranda Jane Batten, Nigel Murray Birse, Christopher Bone, Joanne Rosalie Boyd, Paul Alexander Buick, Stephen William Darling, Robin John Dunn, Christopher George Greenwood, Robyn Anne Johnson, Valda Rubina Laycock, Rosa Janet Middleton, Alistair Ernest New, Patricia Mary O'Connell, Christopher Oughton, Helen Margaret Roud, Adrienne Caroline Scott, Michael David Self, William Frank Charles Steans, Trevor Thomas, Joanne Margaret Townsend, Ross Gordon Webster.

The following degree has been conferred since the last Graduation Ceremony, 4 May, 1978.

DOCTOR OF PHILOSOPHY

Piang Siong Teng (in Agricultural Microbiology).

Degrees conferred on 28 May, 1979.

DOCTOR OF SCIENCE

Alan James Metson.

DOCTORS OF PHILOSOPHY

Teh Paik Beng (in Plant

Pathology), Andrew George Bosanquet (in Biochemistry), Joanna Fraser (in Plant Science), John Aldred Hayward (in Agricultural Engineering), Graeme Maxwell Smart (in Agricultural Engineering).

MASTER OF SCIENCE in Biochemistry
Ross Alan MacKenzie.

MASTERS OF SCIENCE in Resource Management
Malcolm Philip Francis (with Distinction), Michael George Bryant, Stephen Leslie Hames.

MASTERS OF ENGINEERING in Agricultural Engineering
Peter Sydney Carran, Vichai Sriboonlue.

MASTERS OF AGRICULTURAL SCIENCE

Lockwood Graham Butler (Second Class Honours, Division I in Wool Science), Danial Bin Haji Hanafiah (Second Class Honours, Division I in Animal Science), Patrick Loo Chong Poh (Second Class Honours, Division I in Agricultural Engineering), David Alexander McKie (Second Class Honours, Division II in Pedology), Kwan Shig Ryu (Second Class Honours, Division II in Soil Science), Clarence Roy Higham (in Marketing), James William Murphy (in Soil Science), James John Rothera (in Biochemistry), Alvin Deomarine Seereeram (in Agricultural Economics).

MASTERS OF HORTICULTURAL SCIENCE

Paul William Miller (Second Class Honours, Division II in Agricultural Economics), Joselito Frias Santiago, (Second Class Honours, Division II in Horticulture), Michael Terence Malone (in Horticulture), Kwong Sue (in Entomology).

MASTER OF APPLIED SCIENCE

Teo Boon Leong (in Agricultural Microbiology).

BACHELORS OF ENGINEERING in Agricultural Engineering.

Sen Chai Poh (First Class Honours), Ian James Heslop.

BACHELORS OF AGRICULTURAL SCIENCE

Martin Matthew Reid (First Class Honours), Wong Swee Wah (Second Class Honours, Division I) (Senior Scholar), Jane McKergow Pangborn (Second Class Honours, Division II), Jane Elizabeth Sowden (Second Class Honours, Division II), Brian John Chynoweth, Leonard Pietje, Derek George Moore, Ng Yan Kian, Malcolm Peter Sewell.

BACHELOR OF AGRICULTURE

Margaret June Stewart.

BACHELOR OF HORTICULTURE

Donald Richard Rollinson.

BACHELORS OF AGRICULTURAL COMMERCE

Gordon William Bulmer, Harvey Frank Dunlop, Roger James Farquhar, Ian George Harvey, Alexander Martin Hunt, Stuart John Watson, Yeo Chin Seng.

DIPLOMAS IN AGRICULTURAL SCIENCE

Elizabeth Ann Chynoweth (nee Maw), Gavin Ian Hampton, Andrew Ferguson Hobbs, Ian Stuart McIntosh, Alan Keith Park, Arturo Bacsafrá Perejas.

DIPLOMAS IN LANDSCAPE ARCHITECTURE

Neil Thomas Bromley, David Frederick Clutterbuck, Nicholas Stanley Empsom, Timothy William Heath, Nigel John Hutton, Graham Robert Laws, Hugh Butler Lusk, Hermanus Willem Scheltus, Susan Dorothy Smith, Julia Anne Williams, Marion Joan Worth.

DIPLOMAS IN NATURAL RESOURCES

Christopher Mark Davis, John Duncan Palmer, Gary Ytsma.

The following were unable to attend the ceremony to receive their diplomas.

DIPLOMA IN AGRICULTURAL ENGINEERING

Solomon E. Basilio.

DIPLOMAS IN PARKS AND RECREATION

John Phillip Adam, Lim Peng Joo, Lance Michael Pugin, Nima Wangchu Sherpa.

DIPLOMAS IN FARM MANAGEMENT

Richard Harington Cowper, Paul Gerard Fraser, Philip Alexander Long-Taylor, Juan Manuel Medero, Gregory Ross Munro, Sami Karunagaran Nair, William Wallace Nott, Mark Edmond Ryan, Roy Stuart Shaw, Mark Gregory Vincent.

DIPLOMAS IN HORTICULTURAL MANAGEMENT

Andrew Ronald Jamieson Blake, Philip Edward Francis, Ian Paul Melsom, Jillian Sue Riggs, Peter Charles Robertson, Ilisapeci Talica Tuvoudradra.

DIPLOMAS IN FIELD TECHNOLOGY

Lynda Joy Clark (with Distinction), Stephen Bryce Barclay, Karynne Margaret Beattie, Robin Cornelius Boom, Lesley Rita Burns, Jeremy Edward Bentley Davison, Thomas Edward Dawson, Michael Storey Koller, Peter Legrove, Ronald Murray Rohloff, Noel Besley Smith.

DIPLOMAS IN LANDSCAPE TECHNOLOGY

Gillian Margaret Briant, Joy Margaret Crum, Susan Patricia Gibbs, Susan Louise Wadworth.

DIPLOMAS IN WOOL TECHNOLOGY

Michael John Silver (with Distinction), Blair William Davies, Kelvin Ross Giles, Robin Ashleigh Hogg, Antony Richard Lane, Murray James Ward.

DIPLOMAS IN AGRICULTURE

Graeme John Crump (with Distinction), Michael Frank Paul (with Distinction), Kenneth Robert Allen, Geoffrey Douglas Binney, Brian William Blackmore, Robin John Burdon, Richard John Carpenter, Brian Cornish, Michael Graham Dewhirst, David Michael William Felton, Allan Douglas Newton Godsiff, John Michael Goulding, John Bruce Griffiths, Keith Daniel Hart, Gary Charles Haskett, David Henry Hewson, Ian Kenneth Hopkirk, Julius James, Robert Stephen James, John Robert Kane, Faye Elizabeth Kofoed, Anne McFarlane, Nicholas Nelson, Michael David O'Callaghan, Graeme Stanley Philips, Clifford Anthony Pilcher,

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COLLEGE AWARDS 1979

Richard John Reed, Jeremy Robert Rowley, Euan Walter Ross-Taylor, Alan Stewart Tindall, Steven Samuel Gilmour Wicks, Robert Lloyd Williams, Hedley Brett Wilson, Bartholemew Witteman.

DIPLOMAS IN HORTICULTURE

Clair Mooney (with Distinction), John Lindsay Stevenson (with Distinction), Digby Nicholas Blair Whyte (with Distinction), Abdul Hamid Gana, Kathleen Armon, Geoffrey Christopher Barnett, Scott David Alfred Astle Beaumont, Vivien Hilary Blackshaw, Janet Blumsky, Jennifer Helen Bolton, Diana Margaret Bunn, Murray Stewart Burns, Martin Richard Busby, David Cant, Annie Cheer, Gary Bernard Cullen, Bruno De Lorenzo, Paul Ross Fowler, Charles Franklin Gordon, Susan Deborah Gould, Leonie Harrod, Jeffrey Allan Harvey, Jenny Margaret Hodson, Kay Michelle Holder, Douglas Paul Holmes, Emily Jane Holmes, Nicola Jill Holmes, Peter John Jackson, Mark Eric Jew, Douglas Craig Kirk, Frank Maxwell Lammerink, Janet Ann Leitch, Timothy John Lennox, Douglas Edward Leveridge, Douglas Peter Lockhart, Virginia Margaret Manners, Daniel James McHugh, Helen McPherson, Nicholas David Wright Morgan, Peter Michael Naylor, Kevin James O'Connor, Anthony James Palmer, Gaylene Pont, Jennifer Mary Potts, Lynn Clasina Pronk, Antony John Rees, Mark Dewar Rykers, Adrianne Caroline Scott, Jennee Ysabel Simpson, Robin James Smith, Michael Spink, Janet Elizabeth Stanton, Maureen Fay Telfer, Jacob Titulaer, Cheryl Dorothy Watkins, Michele Caroline White, Jane Dianne Whitehead (nee Venis), Kevin Albert Williams, John Reginald Winters.

Sir James G. Wilson Prize
G.D. Pitman
W.O. Rennie Memorial Prize
A.K. Metherell
Merrell Johnston Prize
J.R. Stevenson
David Combridge Prize
Miss B.A. Horrell
Economics Society Prize
Miss E.A. Weatherburn
Institute of Chartered Secretaries and Administrators' Prize
M.J. Horn
Valuers' Registration Board Prize
R.D. Smith
Leonard White Memorial Cup
Miss P. Bulman
W.A. Yardley Cup
Miss P. Bulman
C.C. Leitch Memorial Cup
D. O'Connell
Osborne Prize
P.D. Atmore
S.C. Harris Memorial Cup
Miss M.T. Gallagher
N.Z. Farmers' Co-operative Cup
M. Hosking
Wreford Reed Memorial Cup and the Marcroft Challenge Medal
D. O'Connell
Dalgety & Co.'s Challenge Cup
D. O'Connell
Matson & Co.'s Challenge Cup
P.D. Atmore
Geo. F. Wright Cup
Miss D.J. Atkinson, G.H. McIndoe
E.R. Hudson Prize
B.A. McGregor

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CENTENNIAL SURVEY OF LINCOLN COLLEGE OLD STUDENTS

The College Centennial seemed an appropriate time to take stock of our old students - to see what they had done with their working lives and to test their attitudes and opinions on certain questions of vital interest to the College. As Careers Adviser at the College I felt it was particularly important to have more information on the life-long outcomes of Lincoln College qualifications for our old students. Needless to say they found their way into a vast range of occupations and it is this flexibility which has been one of the outstanding findings of the survey. The study also purported to explore some of the factors that influenced choices of careers and to see what each person felt about their careers. Finally we wanted to know what old students thought Lincoln should do about 'continuing' or 'life-long' education.

In the space available here it is possible only to give the briefest summary of the results and reference to some questions has been omitted. A more detailed analysis of the survey will be published separately later this year. If any readers would like to receive a copy of that analysis please let me have your name and address.

To those of you who so willingly gave your time and took trouble in completing the questionnaire I offer my thanks. Your responses have provided a rich storehouse for commentary and ideas. The summary that follows is a selection and does not cover all the questions in detail. However, it may help you to form an impression of that mythical and elusive animal, the typical Lincoln old student. I'll leave that to you.

ORMOND WILSON
Careers Adviser

SUMMARY OF RESULTS

1. Number receiving questionnaire:
2942 (N.Z. residents only)

Responses used:
1343

Responses incomplete or not useable:
15

Questionnaires returned because of
change of address:
103

Time of survey:
1978-79

Personal Details

2. Age of respondents	No.	Percentage
59 - 88	87	6.5
49 - 58	145	10.8
39 - 48	222	16.5
29 - 38	397	29.6
19 - 28	492	36.6
(Age mode was 27 years with 93 respondents)		

3. Year of graduation from Lincoln:

<u>Year</u>	No.	Percentage
Before 1940	56	4.2
1940 - 1949	92	6.8
1950 - 1959	192	14.3
1960 - 1969	263	19.6
1970 - 1979	740	55.1

4. Duration of course:

<u>Period</u>	No.	Percentage
One year	113	8.4
Two years	466	34.7
Three years	400	29.8
Four years	175	13.0
Over four years	189	14.1

5. Degrees or diplomas obtained:

	No.	Percentage
Diploma in Agric. (no second diploma)	380	28.3
Diploma VFM	370	27.6
B.Agr.Sc.	240	17.9
B.Agr.Com.	66	4.9
Diploma Hort.	73	5.4
M.Agr.Sc.	18	1.3
B.Hort.Sc.	14	1.0
Other	171	12.7

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6. Marital status:

	No.	Percentage
Not married	301	22.4
Married	1013	75.4
Widowed	10	0.8
Divorced	14	1.0

Sex:

Male	1279	95.2
Female	64	4.8

7. Occupation of spouse: (selection of most common ones prior to marriage)

	No.	Percentage
Nursing	203	28.8
Teaching	149	21.2
Secretarial/ typing	86	12.2
Clerical/ reception	50	7.1
Medical/public health	33	4.7

8. Leisure/sporting/cultural activities (in order of priority)

1. Rugby	5. Fishing
2. Reading	6. Skiing
3. Gardening	7. Squash
4. Golf	8. Music

(A total of 83 activities were recorded)

9. Family background:

(a) Family religion

	No.	Percent.	N.Z. 1976
Anglican	584	43.5	31.3
Presbyterian	391	29.1	20.3
Roman Catholic	104	7.7	15.7
Methodist/Union	50	3.7	6.4
Other	132	9.6	-
Missing	85	6.3	12.1

(b) Main occupation of father during ex-student's childhood:

	No.	Percentage
Farmer	648	49.1
Manager (business)	98	7.3
Teacher	55	4.2
Medical prac- titioner	43	3.3
Valuer	38	2.9
Accountant	36	2.7
Engineer	33	2.5

(A total of 71 occupations were recorded)

(c) School education:

(i) Highest school leaving qualification:

	No.	Percentage
No leaving qualifi- cation	65	4.8
School Certificate	285	21.2
Sixth form cert.	93	6.9
University Entrance	365	27.2
Higher School Cert.	387	28.8
Bursary/Scholarship	126	9.4
Missing	20	1.5

(ii) Type of school attended:

	No.	Percentage
Co-educational	406	30.2
Single sex	826	61.5
Missing	110	8.3
Public	808	60.2
Private	418	31.1
Missing	116	8.7

(iii) Level of formal education of parents of ex-students:

Mother:

	No.	Percentage
Primary	208	15.5
Some secondary	541	40.3
Four or more years secondary	248	18.5
Tertiary (non- university)	182	13.6
Some university	64	4.8
University graduate	70	5.2
Missing	30	2.2

Father:

Primary	268	20.0
Some secondary	485	36.1
Four or more years secondary	187	13.9
Tertiary (non- university)	100	7.4
Some university	88	6.6
University graduate	184	13.7
Missing	31	2.3

(d) Early environment:

Respondents spending part of their first fifteen years in the following environments:

	<u>No.</u>	<u>Percentage</u>
Rural (farm)	700	52.9
Rural (non farm)	121	9.0
Rural town (under 1000)	74	5.5
Small town (1000-5000)	122	9.1
Town (5000-10000)	100	7.4
Large town (10,000-20,000)	120	8.9
City (over 20,000)	606	45.1

(Respondents may appear in more than one category)

(e) People exercising most influence on respondent to study at Lincoln:

	<u>No.</u>	<u>Percentage</u>
Father	751	14.0
Mother	451	8.4
Friend	319	5.9
Teacher	226	4.2
Relative	167	3.1
Brother	103	1.9
Employer	47	0.9

(f) Respondents preference for rural/urban environment:

	<u>No.</u>	<u>Percentage</u>
Rural	1091	81.2
Urban	184	13.7
Both/either	30	2.2
Missing	38	2.9

Main reasons for this preference (in order of priority):

<u>Urban</u>	<u>Rural</u>
Social	Life style
Educational	Close to nature
Work	Agricultural/
Life style	farming interests
	Personal
	Community life
	Space, openness
	Freedom, independence

10. Main occupations recorded:

	<u>Number</u>			
<u>Changes of occupation</u>	1st	3rd	5th	7th
Agricultural scientist	41	23	4	2
Farm adviser/consultant	189	53	9	2
Farm appraiser	72	13	2	-
Farm manager	69	41	8	2
Farm owner/operator	121	121	22	4
Farm worker	319	60	6	-
Soil conservator/scientist etc.	40	11	2	2
Urban & rural valuer	61	30	12	-
University teacher	15	12	7	5

	<u>Percentage</u>			
	1st	3rd	5th	7th
Agricultural scientist	3.1	1.7	0.3	0.1
Farm adviser/consultant	14.1	4.0	0.7	0.1
Farm appraiser	5.4	1.0	0.1	-
Farm manager	5.1	3.1	0.6	0.1
Farm owner/operator	9.0	9.0	1.7	0.3
Farm worker	23.7	4.5	0.5	-
Soil conservator/scientist etc.	3.0	0.8	0.1	0.1
Urban & rural valuer	4.5	2.2	0.9	-
University teacher	1.1	0.9	0.5	0.4

NOTE: The changes of occupation refer to the first, third, fifth and seventh occupations in order to save space. It should be noted also that 53.7% of respondents did not reach a third occupation, 87.6% did not reach a fifth occupation and 96.6% did not reach a seventh occupation. This accounts for the much lower percentage figures after the first occupation.

Obviously the vast amount of information on career patterns and movements can not be adequately dealt with in the context of this article and it will be made available in separate, more detailed studies. What can be said with certainty here is that the farm

owner/operator category was the one which had the strongest attraction for the group as a whole. This was measured by movements into a particular occupational group as against movements out of it over a working lifetime.

11. Broad categories of present employment:

	<u>No.</u>	<u>Percentage</u>
Government department/corporation	335	24.9
Self employed	314	23.4
Working for private employer	261	19.4
In partnership	125	9.3
In teaching institution	66	4.9
Producer board	53	3.9
Local authority	52	3.9
Retired	41	3.1
Research institute	33	2.5
Other	5	2.6
Full-time study	17	1.3
Not employed	11	0.8

12. Number of hours worked in a typical week:

<u>Hours</u>	<u>No.</u>	<u>Percentage</u>
31 - 40	375	28.0
41 - 50	484	36.0
51 - 60	228	17.0
61 - 70	57	4.2
71 - 80	21	1.6

13. Net taxable income from all sources (1978 figures):

	<u>No.</u>	<u>Percentage</u>
Less than \$6000	189	13.9
\$ 6000 - \$ 7999	232	17.3
\$ 8000 - \$ 9999	202	15.0
\$10000 - \$11999	224	16.7
\$12000 - \$13999	139	10.3
\$14000 - \$16999	132	9.8
\$17000 - \$21999	82	6.1
Over \$22000	52	3.9

14. Level of satisfaction in chosen occupation:

	<u>No.</u>	<u>Percentage</u>
Very satisfied	528	39.9
Reasonably satisfied	588	43.8
Somewhat neutral	93	6.9
Rather dissatisfied	62	4.6
Very dissatisfied	12	0.9

15. Rating of career structure within chosen vocation:

	<u>No.</u>	<u>Percentage</u>
High	453	33.7
Satisfactory	690	51.3
Unsatisfactory	135	10.1
Missing	65	4.9

16. Skills and qualifications being used in present occupation:

	<u>No.</u>	<u>Percentage</u>
All	644	48.0
Some	649	48.3
None	18	1.3
Missing	31	2.3

17. Are land use professions attracting people of a sufficiently high calibre?

	<u>No.</u>	<u>Percentage</u>
Yes	900	67.0
No	328	24.4
Missing	115	8.6

18. Rating of worth of present occupation:

	<u>To Self</u>		<u>To Community</u>	
	<u>No.</u>	<u>Per cent.</u>	<u>No.</u>	<u>Per cent.</u>
Very high	412	30.7	326	24.3
High	559	41.6	477	35.5
About average	263	19.6	387	28.8
Rather low	49	3.6	71	5.3
Very low	12	0.9	17	1.3
Missing	48	3.6	65	4.9

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19. Rating of value of Lincoln training in relation to occupation(s):

	<u>First Position</u>		<u>Present Position</u>		<u>Overall</u>	
	<u>No.</u>	<u>Per cent.</u>	<u>No.</u>	<u>Per cent.</u>	<u>No.</u>	<u>Per cent.</u>
Very useful	648	48.3	660	49.1	648	48.3
Quite useful	303	22.6	390	29.0	367	27.3
Marginally useful	123	9.2	112	8.3	59	4.4
Not useful	39	2.9	21	1.6	7	0.5
Missing	229	17.0	160	12.0	262	19.4

20. Rating of the Lincoln experience in relation to subsequent personal development:

	<u>Social</u>		<u>Emotional</u>	
	<u>No.</u>	<u>Per cent.</u>	<u>No.</u>	<u>Per cent.</u>
Very useful	576	42.9	290	21.6
Useful	602	44.8	703	52.3
Not useful	130	9.7	285	21.2
Missing	35	2.6	64	4.9

	<u>Economic</u>		<u>Intellectual</u>	
	<u>No.</u>	<u>Per cent.</u>	<u>No.</u>	<u>Per cent.</u>
Very useful	581	43.3	583	43.4
Useful	573	42.7	652	48.5
Not useful	145	10.8	71	5.3
Missing	44	3.2	37	2.8

21. Those who would choose the same course of study again if given a second chance:

	<u>No.</u>	<u>Percentage</u>
Yes	931	69.3
No	384	28.6
Missing or not sure	28	2.1

22. Those who would choose the same career again if given a second chance:

	<u>No.</u>	<u>Percentage</u>
Yes	1030	76.7
No	239	17.8
Missing or not sure	74	5.5

23. Extent to which respondent is able to keep up with new developments in his/her field of employment:

	<u>No.</u>	<u>Percentage</u>
Fully	191	14.2
Reasonably well	911	67.8
Not as well as hoped	196	14.6
Not at all	11	0.8
Missing	33	2.6

24. Those believing that Lincoln has a part to play in keeping them up to date with new developments in their field of employment:

	<u>No.</u>	<u>Percentage</u>
Yes	938	69.8
No	339	25.2
Missing	66	5.0

25. Subject areas in which Lincoln could be playing a greater part in respondent's continuing education (ranked in order of priority):
- in providing more research information;
 - in conducting more seminars and short courses;
 - in providing more information on farm management;
 - in providing more information on animal husbandry and animal health;
 - in providing circularised papers, pamphlets and bulletins through the mail;
 - in holding more field days.

(A total of 62 subject areas were recorded)

26. Important challenges considered to lie ahead in the training of young people for the land use professions (ranked in order of priority):

- (a) imparting practical skills that facilitate putting theory into practice;
- (b) the development of inter-personal skills with particular emphasis on being able to communicate effectively with people and to understand and respect their point of view. This was seen to apply particularly in the case of urban/rural relationships;
- (c) striking the right balance between practical and theoretical issues so as to encourage broad, general understanding.

(A total of 70 challenges were recorded)

27. (This section was completed by farmers/farm managers/farm workers only.)

- (a) Means of obtaining whole or part ownership of present property:

	<u>No.</u>	<u>Percentage</u>
Purchase from relation	210	45.4
Purchase on open market	197	42.5
Other means	43	9.3
Farm ballot	13	2.8

- (b) The main sources of finance for purchase of the property (in order of frequency mentioned but not necessarily reflecting proportion):

Funds supplied by family/relatives	270
Personal savings	215
Rural Bank	195
Vendor	63
Stock firms	57
Banks	55
Insurance companies	48
Solicitors	40

- (c) Consideration as to whether farm ownership is a realistic goal for a young person today:

	<u>No.</u>	<u>Percentage</u>
Yes	396	73
No	146	27

- (d) The most important incentives to a substantial increase in farm production (in order of priority):

- (i) Greater profit margin and stable income.
 - (ii) Industrial harmony.
 - (iii) Taxation and production incentives.
 - (iv) Secure markets.
 - (v) Younger farmers.
 - (vi) Availability of loan finance.
 - (vii) Control of inflation.
- (A total of 35 incentives were recorded)

PROFESSOR WALKER RETIRES

EXCERPTS FROM THE COLLEGE FAREWELL TO
EMERITUS PROFESSOR T.W. WALKER
OCTOBER 23 1979

CHAIRMAN OF COUNCIL, DR. D.W. BAIN

"I am not quite sure whether we have come to farewell Johnny Walker for the second occasion, or whether we have come to welcome him onto the staff for the third occasion. Because, in fact, he does become a member of staff again today as Emeritus Professor. So where-as you thought you were coming here to get rid of him, in fact you are not. He will be around for a long time to come.

"He was a member of Council for about nine years. Three times he stood for election to Council by the lecturers of Lincoln College and three times they elected him, which says something about his popularity and success. I have always regarded him as a magnificent and doughty advocate, even if, when he was so piercingly convincing in his arguments, he was on the wrong side of the house."

PRINCIPAL, PROFESSOR J.D. STEWART

"When I was thinking about what I might say today, I asked myself what kind of people have made an indelible impact on Lincoln, and on the industry which Lincoln is here to serve. You can name them: people who have made an impact across the whole spectrum of Lincoln's activities, in the class room, in the laboratory, in field experiments and with farmers. People like Hilgendorf, Calder, Iverson, McLean, Weston, Flay, Bevin, Garret and so on, down to the current staff. They all made their particular contribution in certain ways. They have all left lasting impressions in the area in which they worked.

"I wonder however, if any have made the breadth of impact that Johnny Walker has. He has been primarily a scientist. He reminded us consistently on the Prof-

essorial Board of the need to maintain scientific integrity in our courses, and in our research, and he established and maintained high standards of scientific achievement himself, making a national and international contribution to soil science.

"In the classroom he had personality and colourfulness, and was able to control and command his classes, to get a response from them whether they were Diploma of Agriculture students or small groups of post-graduates. He had the same attributes with farmers. There have been few in the recent history of Lincoln who communicated with farmers and had such empathy with them as he has had. The fact that nearly all the farmers that we invited to be here this afternoon are here, is a reflection of the admiration and affection that they have for him.

"You all know that he left the College after he had been here for a few years and returned to Britain to the second Chair of Agriculture at Newcastle. By some great stroke of luck, or maybe inspiration from my predecessor, we were unable to fill the Chair in Soil Science for the two or three years before the call of the Rakaia and certain other attractions was heeded. He said to me when I saw him in Britain at the time, that the most important thing that would bring him back to New Zealand was that he felt that he had a place in the sun here in terms of his contribution to involvement and feeling for New Zealand agriculture. It was extremely fortunate for Lincoln College that he decided to come back and stay with us.

It is sad in a way that he is now finishing his last work here at Lincoln when the great nitrogen debate is hotting up again. But I cannot imagine him standing outside it during the next few years. I am sure that we will hear more from him in that field.

"I feel sorry for the Rakaia salmon. They have been hunted remorselessly over the last two decades by Johnny Walker. The intensity of hunting they will have when he is free to spend all his time there, I cannot imagine.

PROFESSOR T.W. WALKER

"I want particularly to thank you for those very unmerited words. I feel totally unworthy of them and I am sure I do not measure up to them. My wife would not recognise me! Secondly I would like to

thank you very much indeed for this wonderful present. I did not know you were going to give me this blessed glass-house! My wife had been wanting me to get a glass-house for years, but I decided that it would interfere too much with the important things in life such as fishing, shooting, and also perhaps work at Lincoln College, so I thought I would not get a glass-house until I retired. You are handing it to me on a plate. I feel I have been put out to glass, and in more ways than one. We have got a house that is nearly all glass, and every two months my wife pays a couple of window cleaners \$18 to clean the outside windows. I heard her telling them the other day, when they had just finished, that that was the last time! Thank you very much for making me a Professor Emeritus. As I said in a letter to the Registrar, that as far as I can see, the only difference it makes is that I can keep working at the College now without pay. It will be a great privilege to be able to do that.

"When I first came here in 1952, there were Arthur Adams, Bernard Elphick and Hec Orchiston. We four. I think only Hec was a lecturer. It was a wonderful time, those first six or seven years I had at Lincoln. We did an enormous amount of work; we must have been much more energetic in those days. I always look back on those days with enormous pleasure.

"Then I think not only of the former members of my own department, but those early members of staff. Not only the academics, three of whom are here today, those that are alive, but also the farm-hands. The electrician, the plumber, the butcher - I often think of the butcher because I look after him when he is fishing - and I think of people like Ian Blair, who was the first New Zealander I ever met.

"Ever since I came here I have had a love affair with New Zealand farmers. I am sorry that one or two of them are not here this afternoon. I was hoping Charlie Craw would be here, but he must be over 80. We did a lot of experimental work on his place in the Rakaia Gorge on sulphur and I was hoping that he would be here so that I could thank him on behalf of the College as one of those farmers who lent their place to use to do experimental work. He would always put fences round the trials to

keep his stock out. I gave up doing experiments at Lincoln after my first year because the fences would always break down, the stock would get in and the only place to do an experiment was outside on someone else's farm like Charlie's.

"Now I think I should also say something about the wife. I thought she was not going to be here and then I could have said a lot more! As some of you know, I fell in love with my wife when I was thirteen, which is a long time ago. She did not reciprocate until I was sixteen.

"One's wife, I think, has an enormous amount to do with one's happiness. I do owe her a great debt for all she has done for me. In her off moments - and I do give her due cause to be cross - she will say, that she has reared the family and I have gone off fishing when I have wanted to go, and that I brought her out here for the second time, when I think she would rather have lived on the moors of Northumberland and heard the curlews there on the heather near the Roman wall. She really loves England, but I think she had got to love New Zealand. When I was toying with the idea of coming back to New Zealand because I missed the research challenge, I had to get the children on my side. We had had a glorious summer in England in 1959 and the paper had come out with the statement right across the front page "The best summer for 200 years", and I said to the kids "Let's see Mum and tell her that we've got to wait 200 years for another summer" and she came round!

"I have got lots of fishing memories. I will just say that my first year here fishing I was fishing with Ron Blackmore and a cockie joined us. As I was walking away to fish another hole, this fellow turned to Ron and said "Is that fellow a Dutchman?" He knew by my accent that I wasn't a Kiwi. Ron said "No, he's not a Dutchman, he's a Pommy". He said "Ah, I thought he was a bloody foreigner!" Then five years ago I was fishing in the Rakaia and got to know Len Young very well. I used to ride in his boat. One day he said to me "You know, my wife knows your wife. We live in Halswell and they go to the Garden Club together and they have got to know each other. She says what a charming English lady your wife is". His wife asked him "Is he English?" And Len Young said "No, he's a hundred

per cent dinkum Kiwi". That was a great tribute.

"When I started my university life here in New Zealand I remember reading somewhere, something like this, and I want to leave these thoughts with you... "The purpose of a university is to conserve the knowledge and culture of our civilisation"... and I like to think that we do that here. "Secondly, it is to extend that knowledge by research, and expand that culture by

creative additions to it. And thirdly, our job is to transmit to students through teaching, not only a prescribed body of knowledge, but the excitement of increasing the information", and I think that we also can do that. I would like to think then, that I have been slightly instrumental in maintaining those three factors which I think are most important in university life, and I am going to look at developments here at Lincoln from my arm chair, and I wish it the very best"



This page kindly sponsored by Central Otago Branch of L.C.O.S.A.

VISITORS TO THE COLLEGE

Don Crabb

Each year brings its particular and sometimes peculiar grouping of visitors to the College. At the very least, you can say the groupings are diverse! Royalty nearly arrived; but in the event His Majesty the King of Tonga's plans were altered because of weather.

Governments were represented by the High Commissioner for the United Kingdom and Fiji's High Commissioner; politicians arrived from Canada, Germany and Japan and academics and agricultural administrators from more than just the four corners of the world. Trade winds and silver sand spent a day here in the form of the Director of Projects, Caribbean Development Bank, a faint whiff of printers' ink was carried in by a number of Government invited publicists from E.E.C. countries and Japan and industry toured in the form of buyers from China and senior executives from I.C.I.

Groups of visitors are even more diverse, though most are farming groups. For the record, over 2,500 people visited in the 85 touring groups. The Australian

Agricultural Council met in New Zealand by invitation of the Government and spent half a day touring the research areas. French and Chinese horticulturalists, Japanese livestock businessmen, visiting bankers from the United Kingdom and visiting student groups from overseas universities were all there, together with the farmer and business study tours and more general interest groups. And the school groups, I'm glad to say, continue to visit. They're very welcome and this year accounted for a fair proportion of visitors.

A light-hearted review of College visitors in any year pays scant regard to the benefits the College gets. Many visitors gladly left names and addresses among staff here.

If there is one slightly less appealing note it would have to be the small number of New Zealand farmers who toured in groups. The College would far more readily open its doors and farms to groups of New Zealand farmers than it would to overseas groups - do farm discussion groups, Federated Farmers branches and Y.F.C. clubs not tour now? Perhaps next year.....



NEXT!

This page kindly sponsored by The Bank of N.S.W.

OF COURSES AND CONFERENCES

Don Crabb

Courses and conferences offered in any year should show a balance between activities organised for farmers and those arranged for other specialist groups, and this was so this year.

High among the farmer activities we'd expect to find the annual farmers' conference and College field days. This year, the conference, though enjoyed by those attending, was obviously not of practical enough concern to a number of farmers. Be sure that 1980 will see a good start to another decade.

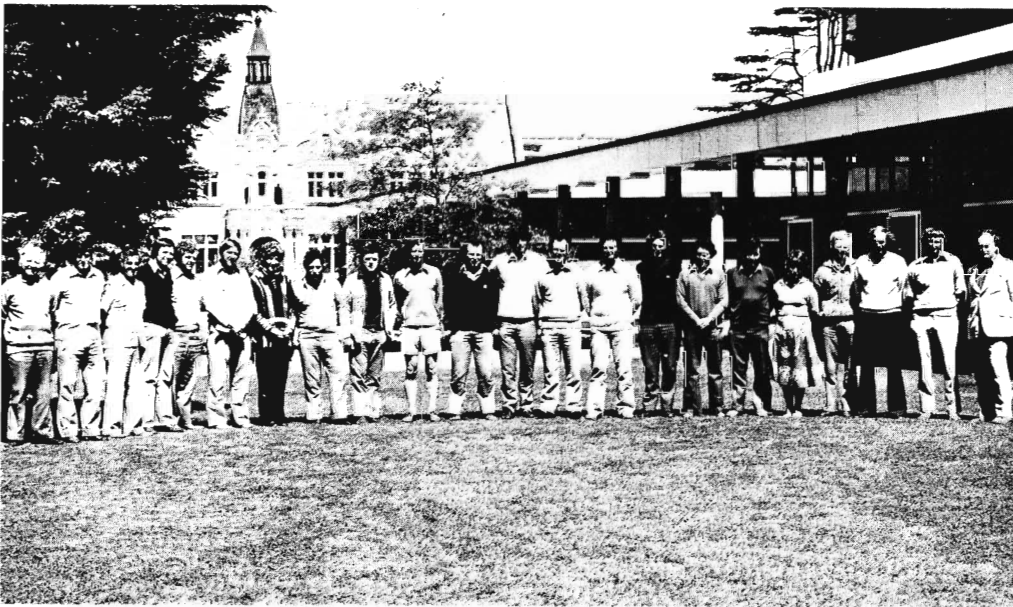
The farmers' oriented and more specialised events concentrating on peas (one day) and herbage seed production (three days and arranged in association with the N.Z. Grassland Association) attracted more farmer and industry interest with 250 and 350 people attending the respective topics. And the significant fact is that many - who came

from all parts of the country - commented on the stimulating speakers and practical approach to the topics. Now those are the comments we should hear more of!

Twenty-six courses were run, involving over 1600 people. For farming groups courses included welding instruction, tree crop production, farm leadership training, farm accounting, together with the pea agronomy and herbage seed production mentioned above and special courses for farm cadets and for people who own or plan to own small blocks of land.

Energy production was discussed on two occasions and a three day course for hill country farmers was organised by Tussock Grasslands and Mountain Land Institute staff.

Other events again showed some of the more recent developments in College development - recreation planning courses vied with a conference to help bring together various factions in the goat industry and the training of National Parks rangers.



A group attending a Kellogg Farm Leadership Course.

**This page kindly sponsored by The Southland Frozen Meat and Produce
Export Co. Ltd.**

OBITUARY

TERENCE EDWARD LUDECKE

When I look back on nearly forty years association with Lincoln, and then look further back in Ian Blair's book, I am struck by the way in which our history is marked by a succession of people who seemed to have all the qualities themselves, which the College's complex role required at the time to be covered by a number of people. When Terry Ludecke, at the height of the affection and esteem in



which he was held, died at the College on Monday, May 5th, we lost such a man. As we slowly pick up the ropes which were immediately left unattended, they seem to be everywhere. He sought out responsibilities like a blood-hound, if anyone else wavered he jumped in and eagerly got on with what had to be done.

A mere recitation of all that he did, and all that he was currently involved in would miss the essential nature of the man. On the day that

he died he had been to see me to discuss his concern over the Old Students' Reunion to be held later in the week - he had obviously spent a good part of the weekend drumming up support. He was Secretary of the Association. He was also concerned about some course problems with the B.Com.(Ag.) and some teaching problems with Dip.Ag. (He was Course Advisor and Lecturers' representative on the Professorial Board.) He discussed some issues related to his Presidency of the New Zealand Grassland Association, and he gave me his firm opinions on what we had to do to improve our rugby team's performance. He was President of the Club and assistant coach of the 1st XV. In the afternoon he had a long session with Professor Swift on Soil Science Department matters. He had been a successful Acting Head and was an immensely loyal lieutenant. Other days would be similar, and related to other responsibilities.

His loyalty, indeed passionate concern for the College, spilt over into everything that he did. His relationship with students at all levels was easy and friendly, but he never lost their respect and admiration. His personality, enthusiasm and effervescent personality, backed by a clear understanding of what was important for his students and based on his wide knowledge of New Zealand agriculture, put him at the top of their list of admired staff.

How he found time for any research at all is difficult to comprehend, but he did, and its significance was reflected in the amount of outside support he continued to get for it. We had all been trying to persuade him to drop a few things in order to complete writing up his Ph.D. thesis on ammonia and nitrite levels in relation to wheat production. Although its completion was not far off, I sometimes felt that he regarded time spent on this as being a bit selfish, when there was so much to be done for others.

Farmers came to the funeral service from far and wide; they had lost a responsible friend and a kindred spirit. He was happy

amongst farmers and he talked with them in a way they understood. He was a first class extension man, and could easily have had an eminent career in this alone.

No man could do all this of course without there being some sacrifices. But although Barbara and the four children must have lived in continuous hope that his life would slow down sometime, Terry still found time to take part in family interests - he was Chairman of the Riccarton High School Board of Governors, and he had been vestryman and Vicar's Warden for

six years at St Peter's Anglican Church. But the family's sacrifice was considerable and now total and for that, all of us who benefited from them, can only be grateful and immensely sad.

Irreplaceable is usually an overused word, but I apply it to Terry Ludecke without a moment's hesitation. I was with him when he died, and I like to think that he will be with me and the College for the rest of my time here, as a shining beacon for all our aspirations.

J.D. STEWART
May 1980



Terry Ludecke, as he will be remembered by many students

AROUND THE DEPARTMENTS

AGRICULTURAL ECONOMICS AND MARKETING

The major activity of the department in 1979 has been in maintaining its very large commitments to students. In the first half of the year Professor Ross was on secondment to the Treasury, John and Joan Rodgers were in the U.K. on study leave and no appointment had been made to the vacant Chair in Marketing. That, as can be imagined, left us fully extended.

As the year ends we do have our existing staff back to full-time duties but so far the Chair has not been filled and Rod Brodie has lodged an application for refresher leave, so that we may once again find ourselves in a "high demand" situation.

On the research front we have not been able to do as much as we would have liked, but Alistair McArthur has been continuing his work on dairy cow replacement policies; Tony Zwart has been studying the wheat industry; Les Woods has pursued his studies of the meat situation and John Wood, the economics of regional development. Michael Mellon and Rod Brodie have been busy in the market research area and Peter Cosgriff was a member of the committee which organised, under the auspices of the NZIM, New Zealand's first Advanced Management Programme.

As a department which has always espoused the view that the welfare of the students is paramount, it has given us a great deal of satisfaction to hear from some of our "old students" who are doing well in a wide range of activities and in most parts of the world. "That," as one very tired staff member said, "makes the whole thing worth while".

Despite the emphasis on work, we have also ascribed to the old saying about "all work and no play" and have enjoyed several very pleasant get-togethers, including two with senior students. All in all a busy year but a very satisfying one.

AGRICULTURAL ENGINEERING

The most notable occasion for the department was the move to the new offices and laboratory block. All the lecturing staff are now housed within

one building and this is already making for greater efficiency. The laboratory block consists of a Soil and Water Section as well as an Agrometeorology Section, together with associated workshop facilities. Old students are welcome to inspect the new facilities.

In the teaching field we have been deeply involved in the new B. Com.(VPM) course and Don McKenzie has been heavily involved in establishing the engineering content of this course. This has consisted largely of the planning and preparation of lectures and course work related to building construction, which is a major subject for students studying valuation.

Dr T.R. Davies spent his sabbatical leave in Switzerland, where he was involved in studies relating not only to soil and water, but also to avalanches. Mr R.E. Chilcott is at present on leave and is attending the Imperial College of Science and Technology in London. He was also invited to present a paper in Bangkok to the ESCAP conference. It was entitled "Wind Power for Developing Countries".

Dr Neil Cherry has also been active in the field of wind energy and has been responsible for the installation of a 30m wind profile mast at the climate station. Also for the first time a graduate course has been taught in Agricultural Meteorology and Applied Climatology.

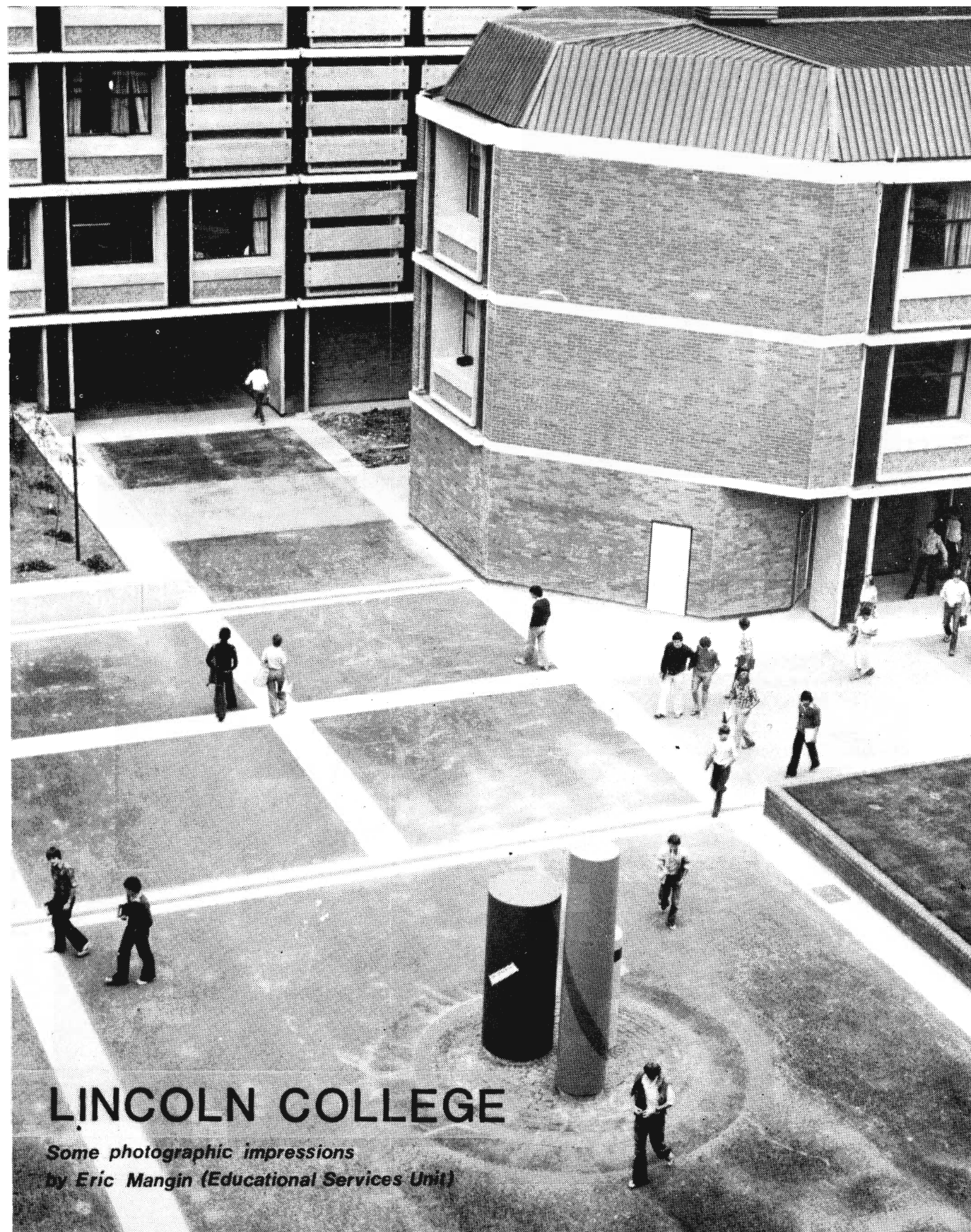
The Head of the department, Professor Ward, attended an International Conference on Agricultural Engineering in National Development at Kuala Lumpur, Malaysia, where he presented a paper on "The Training of Agricultural Engineers".

In November, Professor Ward represented New Zealand on the occasion of the Seventh General Assembly, World Federation of Engineering Organisations, Jakarta, Indonesia.

Dr Van Woudt retired as Reader from the department at the end of 1978 and was replaced by Mr A.Dakers, who was appointed with the rank of Lecturer.

Mr Graeme Robertson joined the department early in 1980. He is an architect who will also be entirely involved with further building lectures for the B.Com.(VPM) course.

Mr Doug King, who will be known to



LINCOLN COLLEGE

Some photographic impressions

by Eric Mangin (Educational Services Unit)



OVER SEVENTY YEARS SERVICE

Dave King (above)right) has been a familiar figure on the Lincoln campus for 21 years. He has been responsible for rubbish disposal since his appointment.

Ivor Gardner (above) assisted both Miss Lilburn and Miss Lanham over a nineteen year period before joining Frank Hendren's staff responsible for mail delivery.

Appointed as assistant to Les Stark on the Poultry Unit in 1955, Doug Todd (right) now works in the mail room.





Before



After



'Silence for a prayer of thanks'



Reflection and Communication.



Ralph Frizzell speaking at his farewell function.



The old.....



.....and the new.



Principal cast



— Photograph: L' Pinney



Principal bowler



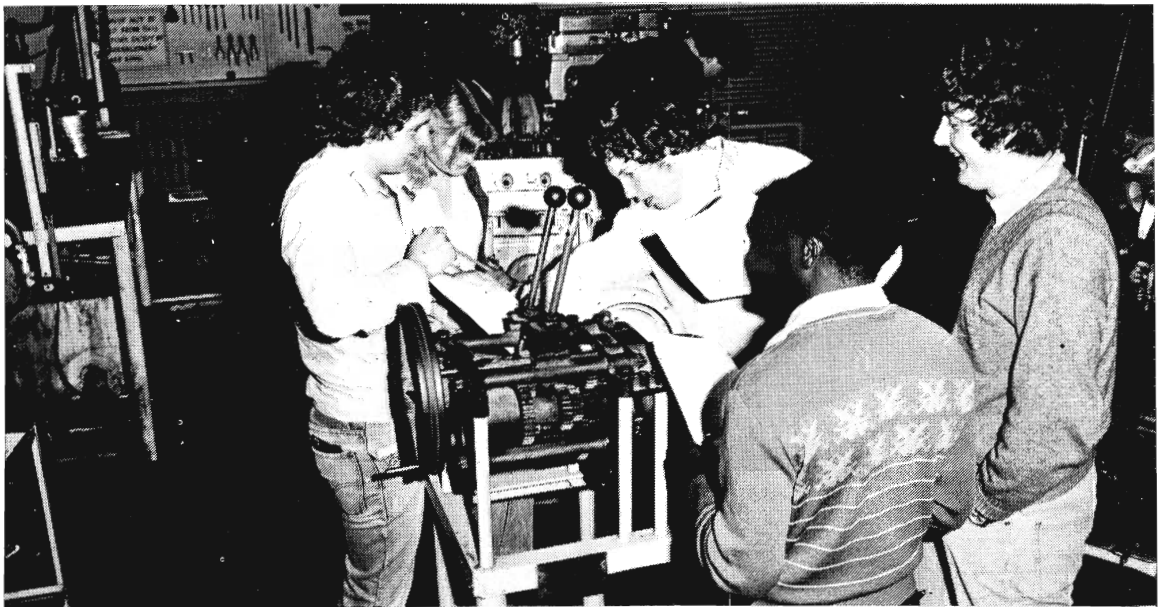
Registrar Gil Hay making a farewell presentation to Bill Wilson.



A Farewell – the other view.



Professor Langer making a farewell presentation to Professor and Mrs Harrison.



Engineers all.

many hundreds of Diploma students, is to retire at the end of February, 1980, and he will be replaced by Mr Paul Seaton.

This year has produced a bumper crop of final year B.E.(Agr.) engineers. Seven out of a class of 13 obtained Honours.

ANIMAL SCIENCE

The major development this year has been the grouping of the two departments - Animal Science and Veterinary Science - under the umbrella of an Animal Sciences Group, with Professor A.R. Sykes as Chairman. This move has the advantage of rationalizing the functions of the two hitherto separate but associated departments and should result in more effective teaching, research and administration.

Facilities

Extensive additions have been made to the Johnstone Laboratory complex providing additional pen space and also room for 30 sheep metabolism crates. In addition, provision has been made for other specialised areas which, for example, now makes it possible to provide facilities for the use of radio-isotopes, thus extending the scope for more sophisticated nutritional and physiological studies.

Also the opportunity now exists for student training and active participation in nutrition trials with sheep in a controlled laboratory situation.

Facilities for deer production and nutrition studies will be built on the research farm during January. Initial studies will be concerned with mineral and protein requirements for antler growth, but when numbers and values of live animals permit, it is anticipated that nutritional studies involving carcass analysis will be commenced.

Resulting from these improved facilities there has been a considerable intensification of the research programme. New studies have been initiated in the fields of nutritional effects of gastrointestinal parasitism, mineral metabolism, energy intake in lactating ewes and growing lambs. These studies are additional to the ongoing sheep endocrine gland transplant programme at the Johnstone Laboratory.

A major long-term cross breeding evaluation trial using Booroola Merino and Coopworth sheep has been initiated at Ashley Dene. The aim is to explore

the possibility of producing a high fertility sheep carrying a standard 25-30u halfbred style fleece. Three Booroola crosses, Booroola x Coopworth, Booroola/Coopworth x Coopworth, are being compared with pure Coopworth. Half the ewe lambs from each group will be mated as hoggets and the effect on lifetime performance assessed.

In 1979 the foundation generating stock consisted of 650 ewes; it is anticipated that the total breeding stock will rise to 2660 ewes available for evaluation by 1985. Contemporary comparisons will be made with bought in Corriedale and Border Corriedale ewes.

Staff

Dr D. Poppi has been appointed lecturer in Animal Nutrition. He has completed a term as Postdoctoral Fellow, during which he has studied nitrogen metabolism in the digestive tract of sheep suffering from parasitism of the abomasum.

Miss S. Nicklin has been appointed as Food Technologist within the Group. She is currently completing Masters studies at Massey University.

Mr M.G. Hollard retired on 31st January 1980 after 33 years service to the College. All staff of the Animal Sciences Group wish him and Neta a long and happy retirement. He will be sorely missed.

ENTOMOLOGY

Professor R.A. Harrison retired as Head of the Department of Entomology in March of this year and was succeeded in May by Dr G.R. Williams, whose previous position had been Director of the New Zealand Wildlife Service and who had served as a lecturer in this department during the period 1960 - 1965.

Dr John Mumford from Imperial College, London, completed his Post-doctoral Fellowship in August on "Pesticide use: farmer perceptiveness of pest programmes, cost and effectiveness of control" and has returned to Britain to take up an appointment at the College. Dr J. Norton, also of Imperial College, London, took the opportunity while he was in Australia of accepting an invitation to spend about 10 days in the Entomology Department giving seminars and having discussions with staff members and others on the economics of pest control.

Currently the department has been

allocated two research contracts, one from DSIR on leafroller control in orchards and the other from the College Special Projects Fund for work on pilot pest management schemes in apple orchards.

The department has had a successful and satisfying year.

WOOL SCIENCE

The department continued to provide instruction in wool growth and classification for Degree and Diploma courses in Agriculture and Agricultural Commerce. After a very modest beginning in 1975 the course for Diploma in Wool Technology is becoming more widely recognised now that the earlier students have demonstrated their usefulness. In 1979 there were nine students and numbers in 1980 will be more than this. The Certificate in Wool course continues to be popular and with 57 students in 1979 was the second largest course since it began in 1944. This was the thirty-eighth course to be held and those attending now exceed one thousand.

The department has, for some years, provided on a fee basis, a Wool Measurement Service to breeders. The number of samples handled in a wool season is approximately 1000 and from individual breeders range from just a few samples measured for use in final selection of a stud sheep, to several hundreds being used to progeny test sires.

During the year we completed a second wool growth trial for an American pharmaceutical firm, Eli Lilly and Company. Planning is well advanced for a third experiment. This work is being done on a contract basis as is some other work for a consortium of freezing companies and DSIR, who are investigating mechanical pelt removal. We welcome the growing use of research contracts because it enables us to sell what expertise we have and it brings about more efficient and extensive use of facilities.

Recently we installed small-sample automatic scouring equipment which is of the type used by wool testing authorities. The machine is specifically designed to handle core samples and deals with three at once. Because of water supply and disposal problems we have provided for recirculation of water and this is the first time this

has been done with a scour of this type.

Staff of the department are becoming increasingly involved in extra-mural work connected with the production of mohair and coloured wool. In fact Mr Bruce Tinnock spent December 1979 in California on such work at the invitation of spinning and weaving groups.

FARM MANAGEMENT AND RURAL VALUATION

A high level of teaching, research and extension was maintained throughout the year. Members of the department were widely committed in outside activities, from farm advisory work to organisation of courses for farmers (and their wives).

New teaching courses were established in the second year of the VPM, while additional courses are being prepared for the first final year of VPM and the Rural Secretary Diploma in 1980.

Research continues in farm system development, operations research applications, development of farm business management aids related to the computer and micro computer, regional development studies, particularly in water resource use, crop and livestock modelling for farm management system development, energy farming studies, extension and farm enterprise studies.

Staff

Mr Rod Plank returned from 12 months leave working in Korea and was the third member of the department to be involved in this on-going programme in Korea, developing grazing management systems and extension programmes. During Mr Pittaway's absence in Fiji in 1980, Mr Plank will also supervise the Dairy Farm.

Mr Bruce Ryde returned from 12 months leave in Fiji in January and was on leave in February and August conducting short courses for the Ministry of Agriculture and Fisheries in Fiji. Mr Tony Whatman spent the year on leave in Korea. Mr Neil Gow was on leave all year as part of the on-going department programme in Fiji. He was the third departmental member to be involved in this programme teaching farm management in the Fiji College of Agriculture and assisting the development of the farm management section in the Fiji Ministry of Agriculture.

Professor Barry Dent returned from six months study leave last February and in October attended conferences in Italy

and the United Kingdom.

During the year, Mr David Lamb was elected to the National Executive of the New Zealand Society of Farm Management and also spent a short time on conference leave in Australia.

Mr Alan Bilbrough spent two months on leave in China on Farm Advisory Service business. Mr Woodford spent two months in Antarctica on leave in November and December.

Mr Ralph Frizzell, Reader in Rural Valuation, retired in December after 12 years service.

New Appointments

Mr Adam Smith was appointed Farm Advisory Officer in the FAS in February. Mr Shane Carroll was appointed temporary Farm Advisory Officer. Mr Tony Begg was appointed Lecturer in February. Mr Cedric Croft was appointed Lecturer in Valuation in July. Ms Tandy was appointed Senior Lecturer in Real Estate Management in December, and Mr T.C. Jones was appointed Lecturer in Urban Valuation in December.

HORTICULTURE, LANDSCAPE AND PARKS

The most significant events to occur over the past 12 months have been the resignation of Prof. T.M. Morrison to take up the position of Director of Queensland Agricultural College at Gatton and the appointment of Dr R.N. Rowe to the Chair early in 1979.

Under Prof. Morrison the Department developed rapidly from a small department of four lecturers to one of the larger ones with 15 lecturing staff with sections in husbandry, management, landscape, parks and recreation. Student numbers increased ten fold during this time. This development was largely due to the vigorous and dynamic leadership of Prof. Morrison.

Prof. Richard Rowe was Director of Knoxfield Horticultural Research Centre in Victoria before coming to Lincoln. He has been involved with research in horticultural crops, especially fruit and has particular interests in root growth and post-harvest physiology. There is no doubt that Lincoln is extremely lucky to have attracted Prof. Rowe and the department will continue to make a significant impact on the College and on horticulture in New Zealand.

Since last year the three arms of

the Parks and Recreation teaching have been completed with the appointment of Mr A.W. Taylor as Senior Lecturer in Community Recreation. This development began originally with Mr J.O. Taylor taking charge of the Local-Body Parks course, and Mr P.J. Devlin appointed to develop the National Parks course.

Mr M.J.S. Morley-Runker, who came to Lincoln from Swaziland as Demonstrator in Horticultural Management, has now been appointed as Lecturer to assist with fruit and vegetable production courses and take charge of the course in Plant Science to Dip. Hort. students. Mr Alan Rackham replaces Mike Cole (who returned to U.K. to study acupuncture) as lecturer in landscape architecture. He comes from Wiltshire. Mr Alex Smith has been assisting in the teaching of management this year.

Recently the College was granted a wine licence, which means that the surplus wines made in the department can be sold. There will be a limited quantity for sale to staff early in 1980. Regular tastings of varietal wines by a taste panel here confirmed that several varieties have potential for commercial production in Canterbury.

No longer does the department have control over the grounds of Lincoln College. This is now part of the Works and Services Section which is in line with the organisation in other N.Z. universities. Liaison between staff of Horticulture and Grounds continues, and Earl Bennett and Mary Chapman have been responsible for the Landscape plans used by the Grounds staff. Mary is now in Queensland studying for a degree in Landscape Architecture.

PLANT SCIENCE

The year 1979 seems to have been a year of staff travel in the Plant Science Department. Warwick Scott received a Nuffield Fellowship and departed at the beginning of the year for the Plant Breeding Institute at Cambridge where he collaborated with Dr Kirby in a project dealing with grain development in barley. George Hill began a period of Refresher Leave in July and, after a series of stop-overs in South East Asia to discuss problems of potential post-graduate students at Lincoln College, settled in the Department of Agricultural Botany at Reading University. To offset these losses, Peter Jarvis returned from Sussex

University in September and Neil Mountier from Armidale, both the richer for their experience overseas. In July Sally Newton joined the Department as an Assistant Lecturer.

Despite these arrivals and departures, the year has been one of the busiest on record, both in relation to teaching and research. Post-graduate student numbers, Ph.D. and Masters, reached an all-time high with a total of 26, together with three B.Agr.Sc. Honours students, a proportion of them coming from the Crop Agronomy Programme for overseas students. Research has continued into the agronomy and physiology of wheat and grain legumes, and more work has been done on pasture improvement in dry hill country and on the phosphate requirement of clovers growing in P-deficient soils. We have been able to intensify work on the biology of problem weeds, such as yarrow and fat hen, and on growth regulating chemicals, notably growth retardants and herbicides. As a contribution to the solving of the energy crisis we have begun work on factors affecting yield and quality of fodder and sugar beet as possible sources of ethanol. These investigations are financed both by Lincoln College and the Liquid Fuel Trust Board, but we are also receiving substantial support from the DSIR (e.g. a new research contract on the agronomy of Rere lucerne), the MAF and private industry.

AGRICULTURAL ECONOMICS RESEARCH UNIT

During 1979 the AERU continued its role of serving New Zealand agriculture with respect to management and economics. This role is carried out with activities in a number of spheres, the most important of which is research. The year has seen continued involvement in a number of contract research projects for commercial and government institutions. Minor activities of staff within the AERU have involved the delivery of specialist lectures to students, particularly regarding farm systems and farm surveys.

During 1979 two new staff members were appointed to the AERU. They were Ron Sheppard (B.Agr.Sci. Hons.) and Michael Rich (Dip. V.F.M., B.Agr.Com., M.Ec.).

The major end point of the AERU's

work is its publications; those produced in 1979 are outlined below:

Research Reports

No.

- 97 Peak Wool Flows Through the Marketing System.
- 98 An Economic Survey of NZ Town Milk Producers, 1977-78.
- 99 The Regional Impacts of Irrigation Development in the Lower Waitaki.
- 100 Recent Trends in the Argentinian Wool Industry.
- 101 An Economic Survey of New Zealand Wheatgrowers: Enterprise Analysis Survey No. 3 1978-79.
- 102 Cheese: A Consumer Survey of Christchurch Households.
- 103 A Study of Excess Livestock Transport Costs in the South Island of New Zealand.

Discussion Papers

- 40 New Zealand Agriculture and Oil Price Increases.
- 41 Proceedings of a Seminar on the Development of Rational Policies for Agricultural Trade between New Zealand and Japan.
- 42 A Review of the New Zealand Goat Industry.
- 43 Goats: A Bibliography.
- 44 Proceedings of a Seminar/Workshop on the New Zealand Goat Industry.
- 45 An Evaluation of the Southland Flood Relief Temporary Employment Programme
- 46 Economic Factors Affecting Wheat Areas Within New Zealand.

List of Research Projects as at 30/11/79

Survey of Farmers' Intentions, Expectations and Opinions, 1979.

Pilot Survey of Farmers' Health.

U.K. Lamb Price Study.

Horticulture Product Processing.

Meat Industry By-product Research.

Japanese/New Zealand Agricultural Trade Relations.

An Economic Survey of New Zealand Town Milk Production.

Potatoes: A Consumer Survey of Christchurch and Auckland Households.

Economic Factors Affecting Wheat Areas Within New Zealand.

An Analysis of Fuel Use in New Zealand Agriculture.

A Study of the Effect of the Road User Charges Act on Rural Areas.

Traffic Generation in Rural Areas.

An Examination of Excess Livestock Cartage in the South Island.

Minimizing Energy Use on Mixed Cropping Farms.

An Examination of Secondary Benefits from Irrigation Schemes.

Calculation of Regional Multipliers' for New Zealand from Input - Output Tables.

An Evaluation of Farm Soil and Water Conservation Policies.

An Evaluation of the Southland Flood Relief Temporary Employment Programme.

An Evaluation of the Farm Employment Programme.

A Study of the Employment Conditions of Farm Workers.

NEW ZEALAND AGRICULTURAL ENGINEERING INSTITUTE

1979 has been a busy year for energy research and along with other College departments the NZAEI has become involved in energy farming and more specifically the production of ethanol from beet.

It was after the 1973 oil crisis that George Davies (recently retired from the Institute) proposed a project on producing ethanol crops for consideration by the Institute. George had worked in the U.K. with some of the leading researchers in engines and fuels and he was really just reiterating some of the ideas proposed in the first quarter of this century. Due to George's impending retirement and probably our short memories for crises the project was not formally initiated but the seeds had been sown.

An investigation into energy farming by the Agricultural Microbiology Department was a prelude to a joint study with Carl Henderson of NZAEI into the fermentation of beet sugars to ethanol beginning in 1978. The long experience of John Dunn and his staff at NZAEI in the growing and harvesting of beet for stock feed now complemented the processing research to provide a balanced programme into this aspect of energy farming.

The energy picture was completed by the fortuitous recruitment of Roger Young from Perkins Diesel in the U.K. Although employed by the Institute as a general mechanical engineer his experience with engines and fuels were to be a valuable addition to the programme.

As the Iranian revolution pitched the world into the second and more serious oil crisis of 1979 the role of energy farming took on a new importance that resulted in seminars, meetings, conferences and a flood of research proposals to the principal funding bodies Liquid Fuels Trust Board (LFTB) and the New Zealand Energy Research and Development Committee (NZERDC). The opportuning of funds has been complicated by the requirements of the Maui project and the picture may not clear until well into 1980. However, at the close of 1979 the NZAEI energy research has settled into three main areas. The co-operative project with Agricultural Microbiology is continuing under funding from NZERDC. Liquid Fuels Trust Board have funded a Lincoln College research programme into the agronomy of beet crops and the Institute is to research the harvesting and storage of the crop. Peter Steele is at present in Europe negotiating the purchase of harvesting machinery. The use of alternative fuels in agriculture is being continued under NZAEI funding.

There is the possibility of a small pilot beet ethanol plant being constructed at NZAEI as a vehicle for co-operative research by several groups. Negotiations for funds and discussions of operational aspects will be taking place early in 1980. The outcome will depend on the attitude of Government and private industry to involvement in commercial energy farming.

RECREATION CENTRE

The year 1979 was the first full year of operation for the Recreation Centre, and at present the major sports groups in the College are reasonably well provided for with facilities and administration. Athletics, swimming, rugby, hockey, soccer, netball, cricket, softball, basketball, volley-ball, badminton, tennis, table-tennis, trampolining, indoor bowls, judo and karate appear to be well catered for.

When the two new squash courts are completed, the imprisoned energies of

our squash players will find a ready outlet.

Weight-lifting and rifle-shooting are reasonably well catered for, but there is scope for improvement with some facilities for these sports.

Indoor hockey and soccer will further develop when the new goals are installed.

Sport for women at the College has been seriously restricted in the past. However, we now have suitable facilities, and with the increasing number of women in the College courses, I am hoping that 1980 will see a big increase in sports participation by College women. We do unfortunately have a shortage of coaches and administrators for women's sports teams.

The Recreation Centre Management Committee has appointed a sub-committee (Mr D. Leary, Mr A. Taylor and Mr C. Mullany) to co-ordinate the development of non-sporting recreation on the College campus.

For 1980 they will be attempting to obtain the facilities, expertise, and enthusiasm for several recreational programmes from College staff and students and from the local community. Immediate plans involve pottery, painting, spinning, weaving, macrame and handcrafts, photography, yoga, chess, dance, guitar and piano playing, and choral singing.

Because competitive sport is not everyone's choice, consideration is also being given to the provision of facilities for casual use by people who just want to drop in for a few minutes and do their own thing. There is plenty of opportunity for informal recreation at the Recreation Centre, and you are always welcome!

SAM LEARY
Recreation
Officer

RURAL DEVELOPMENT AND EXTENSION CENTRE

RDEC has a staff who believe, with a lot of justification, that they are at or very near to the heart, if not the mind, of Lincoln. Recent visitors will know that RDEC occupies the front and east wing of Ivey Hall and it is from here that extension in the form of field days, short courses, group visits, etc. are organised by Don Crabb. In this area the highlights of 1979 were:

the Kellogg Rural Leadership course (to be repeated each year);

a three-day Herbage Seed Production Seminar initially planned for 40 but attended by over 200; and

a series of activities for small-holders leading up to the formation of a branch of the Small-holders Association.

With Graham Tate, as well as Des McSweeney, the teaching in the area of rural development and extension has expanded rapidly. Twenty-four students took the final year subject Rural Development and Extension and Graham Tate, in association with Robin Plummer of Ministry of Agriculture and Fisheries, ran a May vacation course of farm advisers with the theme "Bringing about Change".

John Fenwick, Lecturer in Agriculture in the Centre this year, had over 500 pre-entry students in his pre-entry service. In addition he has been running short courses for Canterbury Farm Cadets, Induction courses for unemployed youth seeking entry to farming and lecturing in Ag. Microbiology to Dip.Ag.

Ormond Wilson, Careers Advisory Officer, has had a good year. Lincoln seems to be one of the few places where the demand for graduates in general exceeds the supply.

Among the multifarious activities should also be noted:

Rural Society Session at ANZAAS
(Convenor Des McSweeney).

Foreign Affairs Consultancy in Malaysia:
Extension Training for Tobacco
Industry - Don Crabb;
Extension Training for Small-holder
Dairy Farmers - Des McSweeney.

Training programme for rural ministry
- Des McSweeney.

Supervision of Mixed Cropping Farm
- Graham Tate.

Liaison visits to about 180 secondary schools
- RDEC staff augmented by other
staff, notably Eric Scott.

Displays at Ruakura and National Field Days
- Don Crabb.

Joint organisation of teacher training programmes for tertiary education in Christchurch
- Des McSweeney.

Publication

Directory of New Zealand Soil Survey
Maps (Student Edition) - J.E. Fenwick.

SOIL SCIENCE

Without doubt the major event in the Soil Science Department in 1979 was the retirement of Professor T.W. Walker in October. When Professor Walker came to Lincoln College the Soil Science Department consisted of Arthur Adams, Hec Orchiston and Bernard Elphick. In 1980 the Department consists of 14 academics and nine technical and supporting staff. Professor Walker's contribution to Soil Science in New Zealand has been immense and is highlighted elsewhere in this Magazine. Professor Roger Swift was appointed the new Head of the Soil Science Department in April 1979 and took up the position in January 1980. Professor Swift, who is the same age as Professor Walker was when he came to Lincoln College, is a graduate of the University of Birmingham. He recently held a position in the Faculty of Agriculture at Edinburgh University. His main field of interest is soil organic matter. Terry Ludecke, Reader, was the acting head of department after Professor Walker's retirement.

In May 1979 Dr Richard Heine resigned to take up an appointment as a scientist with the Meteorological Service in Wellington after lecturing at Lincoln for 14 years. Philip Tonkin arrived back at the start of 1979 after being on Refresher Leave in the United States of America and Great Britain in the latter half of 1978. Dr Kuan Goh was away on sabbatical leave in Great Britain and the United States of America from August 1979 to February 1980. Dr Alistair Campbell spent four weeks in the United States of America attending a clay mineralogy conference.

Another event in the life of the Department in 1979 was the publication of a book by Eddie Cutler on the assessment of soil resources.

Miss Kay Ombler left in September to get married and live in Hamilton. Her place as a Demonstrator was taken by Mr Roger McLenaghan who had been a Technician in the Department for four years.

TUSSOCK GRASSLANDS AND MOUNTAIN LANDS INSTITUTE

The Institute lost a long serving and valuable member when John Hayward resigned to take up the position of Director of the Joint Centre for Environmental Sciences with headquarters at Ivey Hall and at Ilam. He was replaced by an Australian earth scientist, John Kennard. Other appointments were Michael Abrahamson (M.Agr.Sc. '71) in the management field and Brian Robertson (V.F.M. '62) in the Information Centre, responsible for all Institute publications.

The Director, Professor O'Connor, visited Europe and presented a paper to AMBIO, Sweden, during the year and Graham Dunbar twice visited Bhutan for FAO (see page 75).

A successful Institute venture was the Hill and High Country Seminar held at the College in July.

The objects of the Institute have been reviewed and emphasis is confirmed on the co-ordination and catalytic roles in the hill and high country.

A number of staff contributed to the teaching programme of the College.

VISITING FELLOW

The Institute was host from December 1979 to March 1980 to Dr F.S. Chapin III of the Institute of Arctic Biology, University of Alaska. Dr (Terry) Chapin, as a Guggenheim Fellow, carried out field, glasshouse and growth chamber studies in the phosphorus nutrition of *Chionochoila* species, in cooperation with the Director and staff of the Institute and with FRI personnel.

PUBLICATIONS

Kerr, I.G.C., Frizzell, R., & Ross, B.J.
1979: A Review of Rentals for
Pastoral Leases.

Wilkinson, Dann & Smith, 1979: Thyme in
Central Otago.

Kerr, I.G.C., Lefever, K. & Costello, E.
1979: High Country Production
Surveys 1965-7, 1971-3, 1976-8.

This page kindly sponsored by The N.Z. Meat Producers Board

Robertson, B.T. (editor) 1979:
Proceedings of the 1979 Hill and
High Country Seminar. 350 p.

Hayward, J.A. 1979: Hydrology and
Stream Sediment from Torlesse
Stream Catchment.

Horn, P.E., Hill, G.D. 1979: A Key to
Legumes of the sub-family
Papilionaceae in New Zealand.

Robertson, B.T., O'Connor, K.F. and
Molloy, B.P.J. (editors) 1979:
Prospects for New Zealand Bios-
phere Reserves.

Whitby, M.C. 1979: Economics for
Pastoral Development in the
Upper Waitaki.

Cant, G. and O'Connor, K.F. 1979:
Science in a Rural Community.

Tussock Grasslands & Mountain Lands
Institute *Review* 37.

Mountain Revegetation - Technologies &
Objectives in Tussock Grasslands &
Mountain Lands Institute Nineteenth
Annual Report 1979.

MICROBIOLOGY

PLANT PATHOLOGY

During 1979 Dr R.C. Close was on
study leave in Australia, Europe and
U.S.A. He attended several confer-
ences and visited both teaching and
research establishments. One of his
main impressions concerned the advances
being made in integrated disease and
pest control. He is investigating ways
of adapting these strategies to New
Zealand.

Dr Gaunt has had an active year
working on diseases of wheat and barley
and *Ascochyta fabae* of beans, both tick
and broad varieties. Of particular
interest is his work on *Septoria tritici*,
the cause of Speckled Leaf Blotch. One
of his students is examining the effect
of this type of foliar disease on root
development of cereals. Dr J. Thomson,
a Post-Doctoral Fellow, arrived to
assist with the work on speckled leaf
blotch.

ETHANOL PROJECT

We welcomed Dr Martin Smith of

Queens University, Belfast, as a Post-
doctoral Fellow to work on this project.
We will be using sugar from beet to
compare two types of fermenter (tower
and stirred tank) on a laboratory scale
as well as testing strains of yeast and
beet to ascertain the conditions for
maximum ethanol yield. This project
appears to be becoming closer to reality
as the price of petrol increases. New
research in Australia shows that stable
blends of petrol or diesel, up to 50:50,
can be made with 96% ethanol, which
makes ethanol as fuel a much more attrac-
tive proposition. Professor Mulcock was
invited to give a paper at a Conference
on Large Scale Energy Resources at the
East-West Centre in Hawaii in September.

WATER RESEARCH

Factors affecting the contamination
of the aquifers beneath the Canterbury
Plains is the subject of Dr Noonan's
research. He has been investigating
the penetration of effluents irrigated
onto different types of soil and the
downward movement of bacteria and
viruses. His work has also included
studies on lateral movement of indica-
tor bacteria and bacteriophages in the
aquifer by sampling from wells. His
results show the greatest rate of move-
ment ever reported.

JOINT CENTRE FOR ENVIRONMENTAL SCIENCES

Following Professor P.S. Corbet's
resignation, Dr John A. Hayward,
formerly of Tussock Grasslands and
Mountain Lands Institute, was appointed
Director in 1979.

The Joint Centre is supported by
both the University of Canterbury and
Lincoln College and offers a two year
programme M.Sc. (Resource Management).

In addition to its joint support,
the College transferred its post-
graduate Diploma in Natural Resources
from the Department of Range Manage-
ment to the Joint Centre. This means
that Professor Kevin O'Connor and Ken
Ackley now teach within the Joint
Centre.

At present there are some 30
students in both the M.Sc. and Diploma
programmes. Their backgrounds include
engineering, agriculture, forestry,
law, geography, and zoology.

The Centre's research programme is

supported almost entirely by contracts which this year total almost \$100,000.

Major research programmes include:

- Energy costs of agriculture - on contract to New Zealand Energy Research and Development Committee.
- Environmental Education - on contract to the Commission for the Environment and the Department

of Education.

- National issues related to land use - on contract to the Land Use Advisory Council.

New staff appointments include Dr Basil Sharp (a former Lincoln graduate) to the position Lecturer in Resource Economics.

THE COLLEGE FARMS

MIXED CROPPING

Manager: S.J. McCartin
Supervisor: G.F. Tate

1979 saw manager Brian Scott purchase his own farm and John McCartin, who had worked on the farm for the previous 1½ years, promoted to manager.

In common with other cropping farms, steeply rising costs for machinery, fuel, herbicides and labour, combined with limited lifts in revenue prices for wheat and barley, have reduced profitability. The financial year to June 30th 1979 produced a trading surplus of \$26,041, although sales of clover stocks after balance date at better than expected prices have improved this figure.

The comparative freedom from moisture stress in the late spring of 1978 boosted clover yields to an overall average of 533 kg-ha of M.D. seed from 56 ha. The College also fared much better than most Canterbury farmers in achieving an average of 4.3 t/ha of wheat sold off the 68 ha. harvested. Barley, tick beans and tana yields were all disappointing and with one paddock of process peas badly affected by water-logging from 150 mm of rain in December 1978, the process pea average of 4 tonnes per hectare was not up to our usual standard.

We go into the 1980 harvest with mixed expectations following some severe crop damage to tick beans and tana from gale force winds and faced with a massive increase in the incidence of takeall on wheat. Having purchased a new International Harvester Axial Flow Header (with a retail price in excess of \$80,000) to replace the two aged Claas machines we have used for many years, all associated with the farm are looking to a trouble free performance and high yields to justify the expenditure.

RESEARCH

Manager: R. Lamming
Supervisor: D.K. Ower

Stock on hand 30/6/79

177 Flock ewes
135 Corriedale ewes
31 Tukidale ewes
145 Poll Dorset ewes
74 Merino ewes
118 Romney ewes

680 Total ewes
264 Ewe hoggets
136 Ram hoggets
185 Rams and wethers

1265 Total sheep

In addition, 252 Coopworth ewes and 396 ewe and ram hoggets belonging to Lyndhurst Farm were grazed on the property.

Lambing 1978-79 (Lambs tagged/ewes mated)

Coopworth stud ewes	133%
Flock ewes, Booroola X and CW	115%
Tukidale	100%
Corriedale Research Flock	85%

Percentages were depressed due to a large number of abortions.

The farm continued to be used extensively by staff and students for research work. Apart from research associated with the normal farm activities, the following areas were utilised for specific research projects:

Plant Science:	trials and plots	
		28.5 ha.
Veterinary Science:	equine research	
		6.0 ha.
Animal Science:	sheep and cattle research	20.4 ha.
Combined group:	continuous crop research	2.4 ha.
A.E.I.U.	engineering research	5.5 ha.
		62.8 ha.

This page kindly sponsored by Springston Garage

STUD SHEEP

Manager: A. Sutherland
 Supervisor: D.K. Ower

Stock on hand 30/6/79

116 Romney ewes
 121 Corriedale ewes
 166 Border Leicester ewes
 82 Southdown ewes
 139 Dorset Down ewes
 28 Borderdale ewes

652 Total ewes
 335 Ewe hoggets
 302 Ram hoggets
 28 Rams

1317 Total sheep

Lambing 1978-79 (Lambs born/ewes mated)

Romney	147%
Corriedale	157%
Border Leicester	174%
Southdown	161%
Dorset Down	161%
Borderdale	163%

Two hundred and thirty three flock rams were sold at an average price of \$73 and six stud rams averaged \$889, including two Corriedale rams sold at Christchurch stud ram fair for \$2,500 and \$1,600.

Sheep were entered in the Ellesmere, Amberley, Courtney and Christchurch A.&P. Shows and a total of 52 awards were received.

Visitors from Japan, Argentina, Poland, Canada and China visited the farm during the year.

Wet conditions during much of the season caused problems on the heavy land, but good quantities of hay were made and stock were in good condition throughout the season.

ASHLEY DENE

Manager: J.F. Anderson (to Jan.'79)
 S.R. Carroll (from 23.4.79)
 Supervisor: N.G. Gow (to 31.12.78)
 R.J. Diprose (from 1.1.79)

1978/79 has seen a year of considerable and significant changes at Ashley Dene. Firstly, Mr Gow completed his term as supervisor in December 1978 in

order to take up a one year posting in Fiji, and at the same time Mr Anderson resigned as manager to commence farming in his own right at Whakamaru. Mr Diprose commenced as supervisor in January and it was not until April that Mr Carroll was appointed manager. Mr Carroll completed a B.Ag.Com. at Lincoln in 1978 and in 1979 commenced duties in the Farm Advisory Service at Lincoln College and also tutored to the Diploma of Farm Management course. Added to this, in April 1979 he was appointed as manager (part time) of Ashley Dene, and he will take up full time duties in this position in January 1980.

Apart from staff, the most significant changes have been in the areas of livestock and research. The last of the cattle were sold off the property in January 1979 and the livestock have now reverted back to 100% sheep. However, the ewe flock has also changed from one of all first cross Border/Corriedale ewes joined to the Dorset Down sire.

In January 1979, 730 of the ewe flock were replaced with Coopworth ewes to form the basis of a large scale, long term animal breeding research programme under the direction of Prof. A.R. Sykes, the recently appointed Professor of Animal Science. Booroola Merino rams were introduced to this flock and various Booroola, Coopworth crosses will be evaluated over time in relation to wool and fat lamb production. It is planned to have 2,500 ewes in the trial flock by 1984 and this is now resulting in considerable changes to management and manpower requirements on the property. Additional work on Se research has also continued (1100 ewes).

1978/79 Results

Stocking rate	13.0 s.u./ha.
Lambing percentage	110
Total lambs sold	3758
Wool production	17833 kilos
Wool production adult sheep	4.7 kilos
Wool production/ha.	50.1 kilos
Assessed capital employed	<u>\$442072</u>
Gross revenue	\$ 83667
Gross expenditure	<u>61560</u>
Trading surplus	<u>\$ 22107</u>

Value of lambs sold	\$50501
Average sale value	\$ 13.44
Value of wool sold (net)	\$32355
Average net price/kg	\$ 1.92

HUNUA

Manager: I. Doody
Supervisor: A.R. McIvor

Stock on hand 1/7/79

1476 ewes
602 adult wethers
384 ewe hoggets
27 wether hoggets
32 rams

2521 Total sheep

Lambs tailed 1979 87%
Wool production 1978/79 7373 kg.

Bill McHugh resigned as manager in March to take up a ballot farm at Te Anau and managerhip of Hunua was taken up by Ian Doody of Oxford in April.

1979 has been a kind year to date, with a moist favourable autumn and a mild winter. The property is looking well, with good growth on the front top-dressed area, and some response on the Orepunga soils which comprise the cliff paddocks.

Last year's lambs were sold forward on the property for \$11.00, with 10% reject rate, and a draft of 160 CFA ewes were sold in the Hawarden Fair for \$16.40. This year the lambs have once again been sold forward for delivery in mid-December for \$13.50, and the outlook for the annual draft of CFA ewes looks promising.

The two-year-old steers were sold in February due to the inability of the boundaries to reliably contain them on the property. This produced a 75% return on capital over a seven month period, which would have been 90% had not four steers gone missing.

This summer six students are being employed (three from Dip. Farm Management and three Canterbury students) to shift three steel relocatable buildings from the College to the east cliff paddocks to provide accommodation. Two are to be fitted together as a wool shed. Each building, of 94 square metres, has to be completely dismantled into panels of 1.5m x 3m. To date all buildings have been dismantled and transported from Lincoln to the farm,

and the accommodation quarters erected. In addition, some twenty odd kilometres of boundary fencing is to be tightened and fitted with an electrified outrigger top wire, a water supply installed in the cliff paddocks from a dam built last year in the basin block, and the basin fenced with electric fencing powered by a solar unit in preparation for a large scale oversowing and topdressing exercise.

In short, Hunua is looking well, is beginning to perform a little better financially, and there is a definite prospect of substantial improvement during the next three years.

DAIRY

Manager: R.E. Woods
Supervisor: S.F. Pittaway

The 1978/79 year was one of considerable change for the Dairy Farm. Late in 1978 the College Council resolved that the production system would change from Town Supply to Seasonal Supply. The main reasons for the change were the wet winters experienced in recent years, the high cost of winter feed and high labour costs. Associated with the problem of wet winters was one of effluent disposal. The change to Seasonal Supply was effected during September 1979.

Growth throughout the season was generally good, but conditions in the late winter caused problems, but summer rainfall ensured good growing conditions. As a result, summer and autumn production was quite high.

Total production for the year was 1,045,851 litres. Average production per cow was 4,365 litres, with a fat test of 4.0 and a milk fat yield of 177 kg in 276 days.

Winter feeding was based on pasture, a small area of greenfeed and hay. 28,000 bales of meadow and lucerne hay were on hand for the winter and wet spells in July and August meant all this hay was required.

Management of the farm over the latter half of the season was dominated by the impending changeover. As all cows and replacements were planned to be mated in November 1979, many cows were kept milking when they would normally have been dried off.

With the farm being run as a seasonal supply unit, it will be possible to milk

more cows. Stock on hand at the end of the year reflect this.

Stock on hand 30/6/79

Cows	273
Heifers (R2YO)	42
Heifers (RIYO)	77
Heifer calves	42
Bull calves	3
Bulls	3
Total	<u>440</u>

The problems caused by wet winters will still occur to some extent, even with the changed system. To help overcome the problem associated with wintering, 40 ha. of lighter soils were purchased. This block is adjacent to the research farm and will be taken over in the autumn of 1980.

LYNDHURST

Manager: G. Varney
Supervisor: G.A.G. Frengley

The 1979-80 summer proved to be one of the most difficult experienced in Mid Canterbury for some years. Growth was very strong throughout the period as the rain continued intermittently throughout the summer and irrigation was not required except during the last week of February. As a result worms were a continuous problem with young stock and regular drenching was essential for stock health. It was difficult to watch the growth rates of lambs experienced in former summers. The demand for the Coopworth rams

continues to be high and the stud is recognized for its performance. This is especially noteworthy in view of the fast development of the property from a very limited state of irrigation to almost 80% border dyked in four years.

Land Utilization Summary

Summer 1979 - 80

Pasture grazing	106.1ha
Lucerne hay & grazing (dry land)	9.6
Pasture, grazing, fodder crop	12.0
Pasture, grazing, greenfeed	11.6
Buildings, yards, roads, etc.	2.7
	<u>142.0ha</u>

Stock as at 1st March 1980

850 registered Coopworth ewes
400 ewe hoggets
400 ram hoggets
50 rams and others

1700 total sheep

In addition, 40 two-year fattening heifers and 38 yearling dairy heifers were carried over the summer.

Last winter, 3,900 bales of hay, 11.6ha of fodder crop and 12.0ha of Italian ryegrass were available for winter feed. It was not all required for sheep feed and the rising two-year cattle were bought in late June to use the surplus. These cattle were all sold by late January. It is unlikely that the policy of finishing cattle will be continued as it is anticipated that mated heifers from the College Dairy Farm will be carried instead.

PRESIDENT'S MESSAGE TO OLD STUDENTS



Naturally I am delighted to greet you as the first one year President in the College's second century. Most of you will be aware of the constitutional changes made to the O.S.A. at the last annual meeting; the major effect of which will reduce the time served on the executive from a minimum of six years under the old system, to a minimum of four years for those holding the President's office. With ever increasing numbers of graduates becoming eligible for membership, we hope that this will encourage a greater willingness to serve on the O.S.A. Indeed, it is essential that you do so.

There are two or three topics which have given concern to your executive

during the last 12 months or so and while they are inter-related, I would like to briefly mention them separately. Firstly our financial position - you will see from the accounts for the year ending 31/3/79 that we traded at a substantial loss. The immediate reaction is to raise subscriptions and in fact this has been done, but you will also see that the cost of the last magazine alone exceeded our income from investments before postage. This magazine has been produced at a lower cost and we are grateful to our sponsors, and particularly grateful to the cost conscious Peter Cosgriff and the new Editor, Brian Robertson. The executive would be delighted to have your thoughts on the work of the magazine.

Secondly, I believe there are a lot of Old Boys with a guilty conscience; 20 - 30 years ago they paid five pounds for a life membership. Nobody could foresee the rate of inflation and the five pounds invested at 10% barely covers the cost of postage, let alone the cost of printing a magazine, or even the administrative cost. Could I suggest that the Treasurer, Gil Hay, would be only too pleased to send a receipt for further donations. In fact why not make a firm commitment to send another \$10 immediately.

In 1971 we had over 1800 members of the O.S.A. Additional membership now must represent only a very small fraction of those who qualify annually for membership. Your executive has been striving to contact eligible members to join - can you help them? Perhaps branches could appoint somebody charged with the responsibility of recruitment.

May I again remind you of the personal appeal for contributions to the Lincoln College Foundation. The response has been disappointing for the Trustees. Your executive strongly supports the Trustees in their appeal to you.

We are indebted to the Principal and his staff for their continued assistance to Old Students generally and their help to the executive.

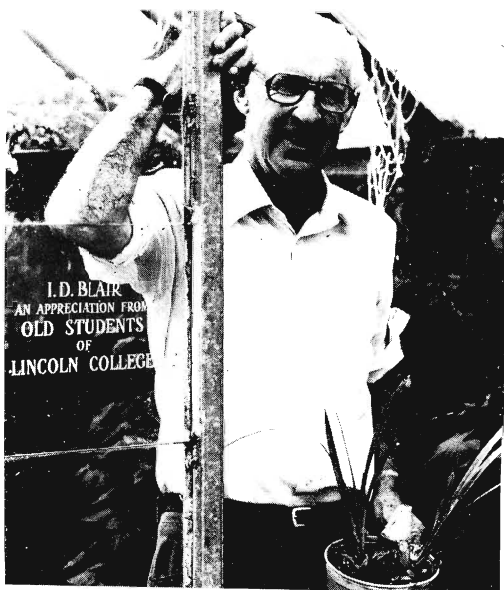
ERIC GIBSON

STAFF—RETIRED

At the conferment of Honorary Degrees at the Centennial in 1978, the Orator suggested that Lance McCaskill may have embarked upon his fifth career. Undaunted by health problems, Lance's activities have certainly not denied the suggestion. Since his move some years ago to a flat at 8A Kauri Street, he has lived within a pigeon's swoop of Riccarton Bush. He and the ranger working together with the benefit of Lance's lifetime knowledge of the nurture of native species have grown and planted a vast number of plants. His own immaculate small garden is remarkable in demonstrating his ability to maintain a number of alpine species of specific habitat, in the urban environment.

Perhaps his story of putting a spade through a wasp nest in Riccarton Bush and being beset by an angry horde beneath his shirt may have some bearing on his vigour, but an example to be followed with caution!

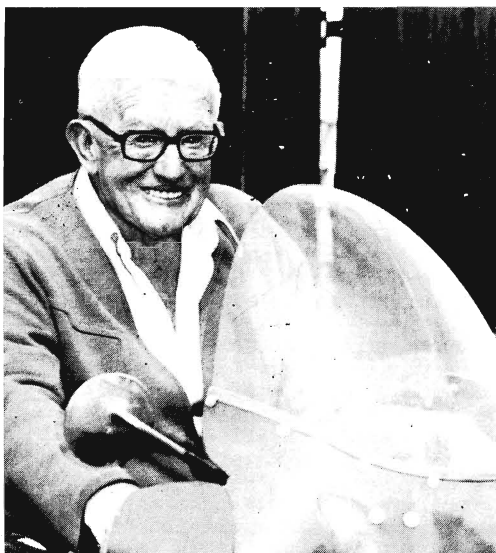
One of his latest literary efforts, completed not long before his eightieth birthday, has been the detailed annotation of a descriptive essay of New Zealand mountain lands written by the late Jack Holloway. Lance says that it is his swan song, but somehow this is very hard to believe!



I.D. Blair lives a most active retirement at 65 Puriri Street, Christchurch. It will come as no surprise to ex-students that fishing is one of his main interests. According to Doctor Blair, THE absolutely superb fishing water in New Zealand is the Ahuriri River at Omarama. He says it requires a brain of the highest order to catch fish there, for they "won't take the rubbish thrown at salmon in the Rakaia. They require special entomological specimens to be enticed on to the hook". He is Vice-President of the North Canterbury Acclimatisation Society and convenor of the Water Resource Committee of that society. He is a member of the Guardians of Lake Wanaka and was a member of the Royal Commission on Nuclear Power. He says that his involvement on this Commission was the finest intellectual experience he had ever had. He is a trustee of the National Library and is Associate President of the Canterbury Sheltered Workshop.



TOP LEFT: I.W. (Bucky) Weston is living in retirement at "Ryelands", 72 South Belt, Lincoln. Mr Weston joined the staff in 1928 as Farm Economist at the College under Prof. Alexander. He was a member of the staff at the College from 1928 to 1959, and in retirement enjoys bowls and living on an 80 acre block with his wife and son.



TOP RIGHT: Emeritus Professor J.W. McLean is living in retirement at 16 Carlton Mill Road, Christchurch. A keen golfer, he retains an active interest in matters veterinary, particularly research on selenium. He is Chairman of the Meat Inspectors Training Advisory Committee, and gives four lectures a year to courses for Senior Meat Inspectors. He is an active member of the Royal Society, the New Zealand Veterinary Association and the New Zealand Institute of Agricultural Science. He retired from the College staff in 1971.

LEFT: Dudley Muff joined the College staff in 1931 as a rouse-about. After a short period as Porter, he was appointed to take charge of the Library in the old laboratory building now occupied by the Tussock Grasslands and Mountain Lands Institute. Dudley will be remembered by many old students - probably on a motor bike. He will be 80 in May 1980 and still rides a motor bike.

A TOAST TO THE COLLEGE

H. J. KING

BLEDISLOE MEDALLIST

When I was invited to propose this toast to the College, I began searching for a topic which might hold your interest for a brief period before you succumb to the more satisfying experiences of discharging bladders and recharging glasses.

In doing so I was struck by what appears to me to be a growing obsession with relatively minor reversals and obstacles. What was once a challenge now becomes a crisis or insurmountable obstacle.

In addition to the usual round of gloomy predictions about the EEC, the loss of Middle East markets and freight costs, I recently came across the following headings in the press:

*"OIL PRICE HIKE IS LAST STRAW
FOR FARMERS"*

*"OIL CRISIS HAS MAJOR IMPACT
IN HILL COUNTRY"*

"POWER CHARGES HIT DAIRYMEN"

While these are all matters for concern and cannot be ignored, I believe that undue emphasis on our weaknesses and insufficient attention to our strengths and successes is undermining national morale. As a nation we are breaking into sectional self interest groups. We lack a common unifying cause.

Perhaps it is possible to restore a sense of pride in our country and our achievements by setting some realistic goals for the future. In that way we could assess our progress against what is seen as desirable in the future, rather than looking in the rear vision mirror, as we do at present, and measuring success or failure by last past results.

I do not believe there is too much cause for despondency at the moment - apart from those monuments to human folly: The Mangere bridge,

The Wellington Harbour Board crane, and the new Bank of New Zealand building in Wellington.

In recent months our trade in agricultural products has been rather intoxicating.

DAIRY

The Dairy Board is expanding markets particularly for cheese in many Pacific Basin countries. Production is the second highest on record. All product is committed for sale and new season's production is eagerly awaited.

MEAT

Peter Blomfield after returning from an overseas trip considers our hygiene standards are equal to the best, despite the prophets of doom. Research into accelerated conditioning, mechanical dressing and shrink wrapping of carcasses is well advanced. The worldwide demand is beyond our capacity to supply. The Reserve Bank estimates that export earnings from meat will increase from \$1,300 million for 1978/79 to \$1,700 million over the next two years.

One dare not mention "fish for beef" these days. Saving every bobby calf seems to be the only way to fill the short term beef gap.

WOOL

For the first time in three years we have sold the equivalent of a full season's clip and we are heading for a season's average of 220 cents per kilogram against 190 cents for the previous year. Total production up from 310m kilograms to 320m kilograms.

HORTICULTURE

Kiwifruit production will be up substantially and continues on

its winning way. Other horticultural developments are broadening the base of production and export opportunities.

All indications at the moment point to a shortage of product in our major export earners. While we wring our hands at present about unemployment, I fear that all too soon we shall have insufficient experienced labour in the export industries.

THE RURAL BANK

For the financial year just ended the Rural Bank will have advanced about \$293 million. We have total loans outstanding of approximately \$940 million with 33,000 farmers and other rural borrowers. In the last financial year we handled over 17,000 applications compared with 4,500 in 1974 which was the last year of the old State Advances Corporation.

The Livestock Incentive Scheme continues to prove worthwhile for those with capacity to expand. Despite the warts and lack of sophistication I believe it has had a significant effect on the new direction for increased production.

The Land Development Encouragement Loans have brought in development plans covering over 200,000 hectares in the nine months to 31 March 1979.

THE COLLEGE

The College can be justly proud of its record in agricultural education and leadership. I commend particularly the thread of practical application which runs through most of the courses. I am sure that this ability to become an effective and productive unit in the workforce within a short time, gives Lincoln graduates an edge in the employment stakes.

THE FUTURE

Professor Stewart has asked - where to from here?

Firstly, I must say that a continuation of the present order of things is obviously wise, as is the setting of future goals to which we can aspire.

Secondly, I see a need for research into ways and means of gain-

fully employing, in the export industries, those workers who must inevitably be retrained and re-located from the consumer and service industries. This must be so if restructuring of the economy means anything.

We have concentrated on labour-shedding techniques to improve productivity for individual farmer survival. We must now look to techniques by which value can be added to the production or production intensified to absorb the workforce.

Thirdly, fish farming appears to have a place in the New Zealand rural scene and its development by land owners bears exploration.

We have not exhausted our technology - I wish the College and those associated with it every success in the challenge that lies ahead.

The College.

WORDS OF PRAISE

As the Executive Training Officer for the New Zealand Stock and Station Agent's Industry Training Board, I have many dealings with the various agricultural Institutes and Universities throughout New Zealand.

During my work, I am continually impressed by the very high standard of lecturing, practical work and administration conducted by the College staff. This high standard is further evidenced by evaluations of courses run by the College for my Board. In nearly every instance students pay unsolicited tribute to the way in which the College lecturers deal with the courses. As well, visiting speakers from within the Stock and Station Industry are high in praise of Lincoln, its facilities, its staff, and its farms.

Of all the teaching institutions I work with, Lincoln College,

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without a doubt, is at the top of the list. Its staff work unstintingly to provide courses with a down to earth, practical basis, for employees from a practical Industry. Their efforts, directed at getting to grips with our Industry's requirements and away from the theory, are rewarded by the knowledge that the students return to their jobs far better equipped to assist their farmer clients.

P.C. Aitken
('64-'65)

FROM HERE AND THERE

According to a recent VFM 1973 Newsletter Mike Hare is Seed Production Advisor (tropical grasses and legumes). Employed by World Bank in N.E. Thailand. Finding the job interesting and rewarding, supervising the production of improved tropical grass and legumes so they may be more widely introduced locally, plus the associated improvement in cattle fertility and production.

Has maids for every need and is finding it difficult to choose a bride from all the beautiful girls available.

Initial contract extended until March 1980.

Mr Irven Legat of Howick (VFM 1950) has been appointed general manager of Domtrac Equipment Ltd, following the company's recent acquisition of Industrial Steel and Plant Ltd, of Penrose.

The combined companies will trade as Domtrac Equipment Ltd.

Dr T.I. Kawase, Q.S.O. On May 29, the N.Z. Ambassador in Tokyo invested Dr Kawase (Dip.Agr. '31-33) with the Honour, Companion of the Queen's Service Order, for services to New Zealand. Dr Kawase who has retained close links with this country has over the years done a great

deal for New Zealand visitors to Japan and he was prominent in the establishment of the Japan-New Zealand Society.

B.P. Duncan (Dip.Agr. '72-73) was this year elected President, of the Federation of Young Farmers Clubs. This organisation comprises 260 clubs and 6500 members. He is managing the 760 acre family farm 'Glenmore', Darfield.

Dick Beamish, Te Awamutu reports that Don Tate (VFM '62) has accepted an appointment in Singapore for two years with Animal Enterprises Ltd, who are exporting cattle semen etc to many parts of the world. He is travelling to a number of countries in South East Asia as their Regional Director.

He also advises that John Darragh (1968/70) has recently been admitted as a partner to the firm Beamish, Tate and Darragh. After completing his VFM John spent some years in the Rural Bank and overseas in Europe but mainly in South Africa where he was in large agricultural consultancy practice for five years.

P.H. Elworthy (Intensive '55) President, N.Z. Deer Farmers' Assn., and chairman of the Ravensdown Fertilizer organisation, was elected Junior Vice-President, Federated Farmers of New Zealand.

G.E. Rennie (Dip. '35/36) and I.H. Hayman (Dip.Ag. '44/45) are continuing for further terms as Presidents respectively of the North Canterbury and the South Canterbury districts of Federated Farmers.

David McCallum (Dip.Hort.'48) has been appointed, under the Bilateral Aid Programme, as Chief Advisory Services Officer to the Cook Islands Ministry of Agriculture and Fisheries.

Among this year's elections to the Electoral Committee - Meat and Wool Boards, were those of P.G. Morrison (Intensive '53) as a Canterbury-Westland member and J.F. Galloway (Dip.Ag.'53) as a South Otago member.

M. McSporran (V.F.M.'49), former N.Z. Meat Board representative in Asia, based in Tokyo, is now Chairman of the West Australian Lamb Board, Perth, Western Australia.

The recently appointed Registrar of Plant Varieties, who now has his office at Lincoln, is Mr F.W. (Bill) Whitmore.

Before he joined the Ministry of Agriculture and Fisheries about a year ago, he worked for the Canterbury N.Z. Malting Company Ltd., for 15 years, and was latterly technical manager with the firm.

A graduate of Lincoln College, where he completed his Master of Agricultural Science degree in agricultural botany in the early 1960s, Mr Whitmore is a West Coaster by birth. He was born in Greymouth and his father farmed at Rotomanu.

Mr R.H. Kerr (Dip.Ag.'44) of Timaru retired from the position of President and from the administration of the Simmental Cattle Breeders' Society of New Zealand at the Society's annual general meeting held in Nelson recently.

Elected as first President when the Society was formed in 1971, Mr Kerr has been re-elected each year since.

The Society is considerably indebted to Mr Kerr, whose skilful leadership helped to guide it through its formative years and bring it to the stage where it is one of the largest and most soundly established cattle breed societies in the country.

In recognition of his service to the Society, Mr Kerr was elected an Honorary Life Member at the annual meeting, and is thus only the second person to receive this honour.

Elected to succeed him is Mr Rodney Cox, of Levels.

WELLINGTON

Roger J. Payne (M.Ag.Sc.'72) - after spending six years with the Ministry of Foreign Affairs, including four years at the New Zealand Embassy and Mission to E.E.C. based in Brussels, Belgium, returned to New Zealand in late 1978 and now holds the position of Chief Agricultural Economist for External Relations based with Head Office, Ministry of Agriculture and Fisheries, Wellington.

John B. Jackman (B.Ag.Sc.'68) - presently Chief Advisory Officer, Economics Advisory Services Division, MAF, Wellington, is to assume the position of Agricultural Attaché at the New Zealand High Commission in London in late July 1980. He replaces

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Don K. Crump - M.Ag.Sc. 1966, who is returning to MAF Advisory Services work in New Zealand.

Robin W.M. Johnson, B.Ag.Sc. 1949-51, who holds the position of Deputy Director of the Economics Division of MAF, has been seconded to the Prime Minister's Department to join the advisory team for two years from January 1980. His particular areas of interest will relate to Agriculture, Fisheries and Horticulture.

W. Jock Struthers, Dip.V.F.M. 1971, recently returned to New Zealand from Canada after a period working with the Farm Credit Corporation (equivalent organisation to RBFC) to the position of Senior Appraiser, Head Office, Rural Bank Wellington, from mid July 1979.

Peter Brabyn, B.Ag.Com. 1973, after working with the Rural Bank in Whangarei, travelled to England and completed a M.Sc.Ag. Economics at Reading University - on his return to New Zealand in mid July 1979 he was appointed Senior Appraiser, Rural Bank, in Wellington.

John A. Nimmo, Dip.V.F.M. 1954 - came to the Wellington office of Wrightson NMA in 1976 and is now a Director of Wrightson NMA responsible for administration finance and branches.

Gerald Weenink, B.Ag.Com., after a period working as a Finance Executive with Wrightson NMA, Wellington, in February 1979, was granted two years leave of absence to work with the Tanzanian Development Bank on beef cattle development work.

Peter S. Little, Dip.Ag.V.F.M. 1964-66 - currently holds the position of Fields Director with the Department of Maori Affairs - he is also responsible for the Marae Enterprises programme being operated by the Department.

Falcon R. Clouston, B.Ag.Sc. 1968-71 - after spending some two years with MAF Wellington, joined Challenge Corporation seven years ago and spent 1978/1979 in the position of General Manager of Challenge Securities Ltd. In January 1980 he joined R.A. Jarden & Co. - Wellington stock and share-brokers.

Hamish F. McDonald - Dip.V.F.M. 1963-65, who has been with the Head Office Valuation Department, Wellington, since 1976, has recently been appointed to the position of Chief Valuer. His previous position with the Department in Wellington was that of Supervising Valuer, Head Office.

Alan B. Kerr, B.Ag.Sc. 1975 - after travelling overseas both before and after graduation, joined MAF in Wellington in 1977. After 2½ years working in the Fisheries section of the Economics Division, he spent three months in late 1979 and early 1980 on secondment to the Investment Unit of Trade and Industries Department. He has recently returned to MAF Economics Division and is working in the Domestic Policy section.

Paul B. Quinn, B.Ag.Com.Economics 1973 (Maori All Black 1977-79, All Black trialist 1979 and nominated for 1980), is working with Department of Maori Affairs as the senior advisory officer for the Marae Enterprises programme. Objectives of the programme are to work with the Maori people to develop work opportunities and better use of their economic resources - themselves - skills, craft work, etc., - their land, the sea, lakes, rivers, etc.

SOUTH CANTERBURY

ANNUAL REUNION

The 27th reunion was held in Timaru on 27 April 1979, when 54 old students attended under the presidency of Morley Donaldson ('52-'53).

Guest speaker was Ralph Frizzell, Reader in Valuation at Lincoln (and formerly of the Valuation Department in Timaru), who gave a very interesting summary of changes that have occurred at Lincoln over recent years.

Eighteen members spent an enjoyable afternoon at Levels Golf Links.

Dave Collie ('55-'60), MAF Timaru, was elected President for 1979-80 and Bill McKellar ('35-'36) Secretary.

The next reunion is planned for Friday 2 May 1980.

DEPARTMENT OF LANDS & SURVEY

Dermott O'Sullivan ('70-'72) left to help run the family farm near Albury.

MINISTRY OF AGRICULTURE & FISHERIES

Bruce Muir, after a short spell as FAO in Timaru, left to manage his own farm adjacent to his father's at Heriot.

Ian Warren ('62-'66) has been appointed senior FAO Oamaru.

Don Crump ('60-'64), formerly FAO Timaru, has just completed a three year term as Agriculture Adviser, N.Z. House, London.

RURAL BANK & FINANCE CORPORATION

A field office has been opened in Ashburton to give better coverage of that district.

A new building will be completed in Timaru in February 1980.

Dave Yardley ('72-'74) returned to Heriot to manage the family farm.

Dave Montgomery ('66-'70) transferred to MAF Timaru as FAO.

Chappie Walshe ('64-'65) left to set up his own business in Timaru as a cartographer.

VALUERS

Don Armstrong ('64-'67), private valuer and consultant at Pleasant Point, has been appointed a member of the Valuers' Registration Board - he is also a Strathallan County Councillor.

Morley Donaldson ('52-'53), District Valuer, Valuation Department, Timaru, has been elected Junior Vice-President of the N.Z. Institute of Valuers.

Ted Fitzgerald ('64-'66) is practising as a private valuer in Timaru district.

Eric Etwell ('57-'60) has been ordained a Priest in the Anglican Church serving the Highfield Parish, Timaru. He is working as a self-supporting minister, giving his spare time to parish work while continuing as a farm management consultant and valuer. This is a new innovation in the Christchurch Diocese.

Liz Turnbull ('74-'75) has broken new ground as a rural valuer in the Valuation Department, Timaru.

Since retiring from the MAF in Waimate, Jack Symons ('46-'47) has continued to be active as a committee member of the Waitaki Valley Acclimatisation Society, protecting the interests of fishermen as one of the multiple uses of the Waitaki River.

Eric Hall ('34-'35 & '38) has sold his farm at Maungati and built a new house for retirement just south of Timaru.

Dick Comer ('45-'46) and Spence Cornwall ('48-'49), directors of two small dairy companies in the Temuka district which amalgamated with two similar companies to form the Temuka Co-op Dairy Company. This company has just built one of the most modern cheese manufacturing units in the world to make Parmesan cheese. Dick has also been a director of the Co-op Cool Store owned by South Canterbury dairy farmers. This store, alongside the Timaru wharves, is an essential part of the South Canterbury meat industry. Spence has continued as a director of the new company and recently shifted his dairying operations from Temuka to Carew to allow for expansion by developing a plains farm under irrigation.

Peter Hormann ('59-'62) and Tim Riley ('62-'63) are also farming in the Carew district.

Wayne Hopkins ('67-'68) is now Agricultural Training Officer, Timaru.

Ian Hayman ('44-'45) is Provincial President of SCFF and is also a Waimate County Councillor.

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Dick Kerr has recently sold his farm "Harlau" just south of Timaru and retired into Timaru. As a foundation member of the Simmental Association, he is retaining his link with the breed. He is Chairman of the South Canterbury Hospital Board and C.F.C.A. and a Director of the Timaru Herald.

Jim Crawford ('44 & '48) is General Manager of C.F.C.A. and Bill Mitchell ('61) is Manager of Farm Finance.

The C.F.C.A. reaches its centenary in 1980, and is the major commercial organisation in South Canterbury with a staff exceeding 500. During 1979 a successful merger was accomplished with North Otago Farmers Co-operative of Oamaru, and that company continues to operate with its own identity but as part of the C.F.C.A. group.

The C.F.C.A. has 11 subsidiary companies, including furniture manufacturing, fellmongery and precision engineering, but the largest development has been in fishing. Feron Seafoods Ltd., Timaru, is wholly owned by C.F.C.A. and has a modern fish processing plant being supplied by two 26 metre trawlers recently imported from Holland.

Mr Crawford is at present Chairman of Directors of the Farmers' Co-operative Federation of Wellington and is an executive member of the N.Z. Stock & Station Agents' Association.

MARLBOROUGH

Seventy-three old students, wives and partners attended the annual dinner and annual general meeting held at the 'Country Kitchen' Restaurant in Blenheim.

Officers elected were:

President	J. Aitken
Vice-President	B. Toms
Secretary	B. Holdaway

The guest speaker was Mr Westbrook Haines, of the Horticultural Development Committee, who spoke on recent export developments and the future of New Zealand horticulture.

SOUTHLAND

The reunion was held at the White Heron, Invercargill. Present were 66 old students. The evening took the form of President's Night, where all available past presidents of the branch spoke briefly on some of their experiences when students at the College.

Officers elected were:

President	Bevan Whitty
Vice-President	Alister Mackintosh
Secretary/Treasurer	Roger Minchin
Golf Organiser	Bill Whitaker

RURAL BANK

G.A. Twaddle ('74-'77) has been transferred from Invercargill to Rotorua.

M.H. Lemon ('73-'75) has been transferred from Invercargill to Ashburton.

D.J. Holmes ('69-'71) has been transferred from Invercargill to Greymouth.

A.D. Sewell ('67-'69) has been transferred from Hamilton to Invercargill as Senior Farm Appraiser.

G.H. Moffat ('75-'77) is working in the Invercargill office.

G. Lill ('63-'64) has been transferred from Invercargill to Auckland as District Appraiser.

R.W. Minchin ('53-'54 & '61) has been promoted to District Appraiser, Invercargill.

DEPARTMENT OF LANDS & SURVEY

G.K. Speirs ('44-'45) is now working as a Development Field Officer at Te Anau.

P.J. Curry ('66-'68) has been promoted to Senior Field Officer, Te Anau.

G.F. Soanes ('67-'69) has been transferred from Te Anau and promoted to District Field Officer, Invercargill.

J.J. Wallace ('37-'39) is now living in retirement at Wanaka.

W.H. Whitaker ('66-'68) is promoted to Senior Field Officer, Invercargill.

MINISTRY OF AGRICULTURE & FISHERIES

G.J. Cooney ('68-'73) has resigned to work as a private farm consultant and part time farmer.

P.E. Bringans ('65-'70) has been transferred from Invercargill to Alexandra.

M. O'Brien ('75-'78) is working at Gore.

COMMERCIAL AND FARMING

K.R. Whiteside ('68-'70) has resigned from the Rural Bank, Kaitaia, to work for J.E. Watson's, Gore.

D.C. Cox ('72-'74) has resigned from J.E. Watson's to concentrate on

farming, including the milking of sheep for cheese production on his Otoma farm near Gore.

T.J. Mordaunt ('70-'72), who is with J.E. Watson's, has been transferred from Gore to Invercargill.

R.J.C. Mounsey ('70-'72) is marketing Manager for Golden Bay Dolomite, Nelson.

K.J. Dunlop ('61-'63) has been appointed N.Z. Meat Board representative on the Board of Directors of Alliance Freezing Company (Southland) Ltd., replacing A. Henderson ('32,'33).

C.R. Davis ('72-'74) has now resigned from the Rural Bank, Dunedin, and is farming at Arthurlton, near the Southland boundary, with his wife, Jocelyn.

P.J. Lewis ('64-'66) and his wife Anne ('65-'66) are with Wrightson NMA and have been transferred from Gore to Hamilton.

M.A. Monteath ('56-'61) has moved as farm manager from Moa Flat, Otago, to Canterbury.

Russell Preston ('75-'77) is leasing a farm property at Oreti, near Winton, with his brother.

WESTERN AUSTRALIA

"Alan Knox is married with a young daughter, who of course is No. 1. According to Alan she walked at three months and answers the 'phone at his State Wide Real Estate business at two years (I think).

Peter Falcolner, David Nuttal and myself know all about tertiary education problems, job opportunities or lack of them for young people, used car yards on our front lawns, and, in my case, the incredibly late hours that young people can keep over the weekends.

David has led the way in setting up highly successful farming co-operatives in the wheat belt. They are not everyone's cup of tea, but in the particular circumstances of David's clients they are winners.

Peter, of course, still churns out an incredible amount of highly effective work. His biggest problem is speeding fines and retaining his licence.

Ken Boughton has moved from Merredin to a pretty rural retreat about an hour's drive from Perth. From here he can run the various large scale farming

businesses that he is associated with, with a minimum of fuss.

Denis O'Sullivan tells me that he is off to Europe with a party of farmers this month, so they at least have got round the problem of the rain, it cannot be so bad after all.

For those who have the misfortune to know me, all I can really say is - no real problems, do a bit of sailing, still have a job with the Commonwealth Development Bank dealing with farmers and fishermen. My wife and I managed to have all of May and June 1979 in the U.K. and Europe. That was quite a trip, I could be very boring about it. And I nearly forgot - I do some part time lecturing one night a week for about 30 weeks/year. The course is either a Diploma and/or a Degree in Valuation, my subject being Rural Land Utilisation. I would be hopeless with valuation subjects, but agriculture interests me. I like the students and can anticipate all their tricks.

Ross Young ('61 VFM) is just as versatile and energetic as ever. He spends his time either as a benchman in his sawmill, rushing off on FAO assignments to the Middle East, or running his beef property. It is a nice farm of about 400 ha situated in a very scenic area on the south west of West Coast.

Murray Neale joined forces with Nuttal & Co. about 18 months ago to work in the whole milk area. He and his wife live at Bunbury.

Bob Jarman is with Peter Falconer in the broad acre wheat belt country at Merredin. Bob must be wondering about the rain a bit - 100 inches on the West Coast of New Zealand - and Merredin, which should have 12 inches/year, has had about seven inches so far.

Rick Hagan has changed horses to medicine and is topping the course in spite of three children. He is doing 4th year at the moment.

Peter Clayton is employed by the Rural and Industries Bank and is stationed at Narrogin.

Bill Webb was guest of the West Coast Government to deliver a paper on "The Meat Processing Industry relevant to New Zealand". Bill is General Manager for W. Richmond Ltd., Meat Exporters, Wholesalers, Processors and Tanners, Hastings, New Zealand. The

address was to the Rural and Allied Industries Council Meat Conference at Katanning, Western Australia. Bill arrived at 11.30 a.m. on the 18th of September (plane 18 hours late), went straight to Katanning about 250 km south-east of Perth and arrived back at my home at 5.30 p.m. on the 20th. Alan Knox and I managed to get him onto the plane at midday on the 21st. Bill is looking remarkably well and has fully recovered from a major operation last May '78 on account of cancer. He is just as full of energy as ever. Keith Fincham told me that he had a look over the works earlier this year and Keith noticed that he called every one of the staff (right through the range) by their christian names (130 of them)!"

MAX WILSON

P.G. YOUNG writes from Cirencester, England:

"I wish to inform you all that I intend to give up farming in this area, after some 30 years here -

I have had a good run on this farm and have had great pleasure, shared with my wife Jill, in meeting many old students and new, and College associates and contacts over the years.

It was great to be able to send a message to you all through Sir Emrys Jones at the time of the "100 years festival". Reading all about it, it appears to have been very successful.

We treasure much the memories of the few U.K. sessions we were able to hold while "Torchy" Calder was over here.

I do not know yet whether or no I will continue in farming as farms are not easy to buy these days, but anyway I will have plenty to do for a year or two concerning my new Welsh home. Jill and I will always welcome a visit from anyone interested, as of old, at our new address - which I request you will please print in the College Magazine, and also correct in the mailing list!! As from 30th April 1980 it will be:

Swn-y-mor, Abereiddy,
Near Haverfordwest,
Dyfed. Wales, Great Britain.

With continued success to "Lincoln" and kindest regards to all."

PETER G. YOUNG

NAPIER

The annual general meeting of the Hawkes Bay Branch of the L.C.O.S.A. was held on Friday 26th October 1979. The function was held in the form of a golf match starting at 1.00 p.m., followed by a buffet tea at the Flaxmere Golf Club rooms. Guest speaker was Ivan Martin, District Appraiser, R.B.F.C., whose talk related in no way to farming or finance, but kept the audience of 54 well entertained. This was followed by a social hour or two.

Officers elected were:

President	Tony Mursell
Secretary	Derrick Snow
Committee	Alistair Spence
	Mike Morse
	Ian Henshaw

The golf was won by Reg Speedy (the handicapper), and runner-up was Tim Mackie.

DUNEDIN

The annual meeting was held on Friday 29th June. Attendance was 45. The speaker was Mr S. Hurst, who gave a very informative account of the Lincoln College Foundation, its funding and its aims.

Officers elected were:

President	J. Barlow
Vice-President	B. Thompson
Secretary	R. Ford

Rural Bank Finance Corporation staff movements are as follows:

Ron Davis has moved to Arthurlton, where he is farming on his own account.

Neville Langrish has been appointed manager of Stringer & Co. and took up this appointment in June 1979.

Ian Henshaw has been appointed Senior Farm Appraiser in Napier, and he took up this position in June 1979.

These three were replaced by John Galloway (back from a trip overseas), Hugh Perkins (transferred from Auckland) and Geoff Quaife, who joined after returning from overseas, having graduated from the College in 1977.

John Galloway has since resigned from the Corporation, and has moved to Singapore.

CLASS REUNIONS

1952 V.F.M.

You might be interested to know that the V.F.M. class of 1952 recently had its *first* reunion.

Taupo was the venue for a most enjoyable weekend for the 1952 V.F.M. reunion.

Present were:

David Boyd (Valn Dept, Hamilton)
 Tony Eastgate (Williams & Kettle, Gisborne)
 Clyde Guest (Maori Affairs Dept, Kaikohe)
 Neville McFadden (Farming, Mayfield)
 John Nicholls (Wrightson NMA, Whangarei)
 Gordon Robertson (Rural Bank, Whangarei)
 Pat Ryan (Farming, Carterton)
 Ron Simpson (Public practice, Te Awamutu)
 Peter Tierney (Public practice, Tauranga)

John Hotop was absent at the Canterbury Rugby Centennial.

Unfortunately, Ted Boothby and Ian Stewart could not be located. Information as to their whereabouts would be greatly appreciated.

A measure of the success of the event is that a repeat performance has been scheduled for two years hence, in Rotorua, when a greater muster is hoped for.

Ron Simpson.

ing was coffee, talk, ll's and late arrivals. Some of the boys and Pam Alexander went golfing in the afternoon. A hilarious evening followed at the Portage Hotel where Bruce Grinburton found a piano and the rest lost voices. On the boat back to Picton, the M.P.'s wife assumed command when the engines cut out - but unfortunately nobody had their life saving medals with them.

A quieter gathering on Sunday morning saw the northerners off on the ferry (Beamish seemed determined to miss it!) before heading south.

Those present were:

Whit Alexander - Valn Dept., Hokitika
 Brian Anson - Meat & Wool Board, Hamilton
 Bob Bentley - Valn Dept, Masterton
 Dick Beamish - Farm Consultant, Te Awamutu
 Allan Bilbrough - Farm Advisory Service, Lincoln College
 Neal Darrock - Private Valuer, Auckland
 Bruce Grinburton - Rural Bank, Hamilton
 Ken Keelty - Rural Bank, Rotorua
 Tom Marks - Farm management Dept, Lincoln College
 Dick Smith - Building Construction, Christchurch
 Noel Thomas - Maori Affairs, Rotorua
 Tom Bates - Builder/Farmer, Christchurch
 John Elworthy - M.P., Oamaru
 Clive Weir - Farmer, Fairlie
 Russell Stalker - Farmer, Blenheim.

We now look forward to '84.

Alan Bilbrough.

INTENSIVE '57, V.F.M. '58

A group of Intensive '57 and V.F.M. '58 had their fourth reunion since graduation at Picton over the weekend of 17-18 February 1979.

The occasion was capably organised by Whit Alexander, who carefully selected the only weekend in February without ferry strikes!!

The majority of the group arrived on Friday evening - so the talking began then. Saturday morn-

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OVERSEAS ASSIGNMENTS

BOLIVIA

From Arthur Delly, Tasmania:

A chance, and perhaps unwise remark I made at FAO in Rome led a few months later to a most interesting and often hilarious (to me) assignment to the uttermost parts of Bolivia. I had been in Rome clearing the final project details of a mission to Taiwan, where for the previous five years, I had been the project manager of a FAO UNDP project. My wife and I had decided, that after nearly 12 years with FAO, it would be best for family reasons to return to Australia and in effect "swallow the anchor". The remark I had passed was that although I was retiring, I would, in the case of an emergency, be prepared to help out on a short term basis, and that I could leave at short notice. I gave the matter no further thought, and entered early retirement with complete ease of mind.

The tranquility was abruptly terminated when I received a cable from "Auntie" - "Can you go to Bolivia as soon as possible as an emergency has arisen". A covering letter giving very scant details on the matter ended with the ominous sounding - "You should come to Rome for special briefing as this is a very difficult project--". While on my journey from Rome via New York to La Paz the capital of Bolivia, I read a long report which, to my way of thinking, had very little grasp of what actual field conditions could be. It more or less suggested, that with a Merlin touch and a bit of this and that, hey presto, instant utopia would result. I had however another report summary which gave a different viewpoint.

"Bolivia. As I have mentioned there are two projects which are questionable. The first one is facing a series of misfortunes, (a

technician's wife went mad, another expert killed a person with his car, an aircraft accident killed the project manager and national co-director, a local employee stole the National funds of the project, and another counterpart electrocuted himself---") The other project, (my interest) is a target of a violent Press campaign-action is very slow and with no well-defined interests either economic or political..."

Anyone with a knowledge of political/economic activities in Latin America will realise that the problems of the two projects were formidable.

REVOLUTION

Just prior to landing at La Paz, the captain of the aircraft advised us that a revolution was in progress, and that we may not be able to land. We finally did land, at an altitude of about 12,000 feet, although the revolutionaries reputedly captured the airport about an hour later. We were hurried to our hotel, where we were incarcerated for the next three days. During this period we were regaled with external noises of shouts, screams, shots, the tinkling of broken windows, and the roar of strafing WW2 fighters. The current revolution was about par for the course, the then President was the 186th in Bolivia's 145 year turbulent history.

After all the tumult and noise had died down, I was able to catch a flight, and eventually arrived at my destination, Santa Cruz. Flying in an old aircraft amongst peaks and ranges rising to about 20,000 ft often in heavy cloud, was something yet again! Santa Cruz is a very historic town, with some charming old buildings, and the 16th Century cathedral is a joy to behold. The central plaza, so typical of practically every South American village, town, and city, is beautifully laid out with tiled walkways, flowering shrubs and trees. My hotel was surprisingly modern and comfortable, except that it seemed to have a very

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heavy influx of armed troops whose uniforms seemed to change quite frequently.

BIRD TROUBLE

Shortly after I had settled in, and was enjoying my breakfast, I felt a piercing pain in my right ear. My immediate reaction was that I had been attacked with a machete, not so, it was merely the hotel's pet parrot, a large and sinister fowl, which had climbed the back of my chair and had opened the duel between parrot and gringo by fastening on to my ear with its huge scimitar-shaped beak. Over the succeeding months a kind of armed neutrality was reached, the "thing" would climb on to my table, and perch on a flower pot, and eye me with hate. To assuage his evil intentions, I would tentatively offer a crust of bread, which it would graciously accept, but every now and then it would over-reach the offering, and firmly clasp my finger. It then appeared to assume the proportions of an ostrich armed with bolt cutters. Anyone who has been bitten/pecked by a Bolivian jungle parrot has my sympathy. I was always in fear and trembling that, while perched near my plate, it would revert to the more objectional habits of many birds, particularly pigeons on town hall facades. Consequently I must have achieved the reputation of being the fastest consumer of food about the place.

PROJECT

I was most anxious to get on with the job in hand, and with my counterpart, went to the project office to be confronted, in addition to thick layers of dust over everything, with a large stack of summonses against the project for non-payment of accounts rendered over the last few months. These necessitated a series of 18 visits to the project Bank in the first week, to try and sort things out. This, after drinking innumerable cups of coffee, was accomplished, so that the project had a modicum of financial integrity. To get a general idea of the problems facing us I chartered a small aircraft to obtain an aerial view of the country involved. This was a real eye-

opener, as the Gran Chaco recently associated with the late Che Guevara of Cuba fame, seemed to stretch limitlessly to the north, east and south, with a backdrop of the foothills of the Andes to the west. We flew at very low altitude as I wanted to obtain an impression of the general topographical and ecological features. I was at times very much distracted by the heavy air turbulence, and the little fan in front seemed a very slender means for staying airborne. We ranged over many hundred square miles of jungle, and as far to the east as very sinister looking swamp lands that went over the horizon to the borders of Brazil. Our main reference point was the vast and turgid Rio Grande, with the areas we were interested in, lying to the east and south. After a fairly hectic survey we landed in a narrow cleared runway near the environs of the project field camp. I had reached such a frame of mind upon landing, that I placed perhaps undue significance on the presence of a large skull with enormous horns which some wit/seer had placed on top of a post, and upon which a large black vulture was perched. Was this an omen? As we were then in a tiny enclave carved in almost impenetrable jungle, I wondered just why such a place had been selected to commence a vast cattle, irrigation and cropping operation. I was somewhat startled to learn that the site had been chosen after a selected company of troops had set out from the river on a ten day foray through the jungle on a fixed compass bearing, and hey presto, after ten days of struggle, that particular spot became the proposed camp area. I felt this simple method was rather odd, but perhaps no odder than other methods I had seen in other countries.

The camp was quite a distance from water - the river - and as there were some 150 troops as workers, and some 30 technicians as trained agricultural staff, drinking and domestic water was an urgent problem and necessitated the sinking

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of a deep bore to the aquifer some 250 feet below ground level. The extremely sandy nature of the subsoil raised many bloodpressures. Concurrent with the erection of camp buildings, an off-shoot track had been dozed from the main Santa Cruz-Paraguay road (sic), and the rail track, which had a loop track and siding. The offshoot track to the camp was about 40 miles long, and after butting out trees, and dozing a road form, most of the original heavy equipment needed a major overhaul. My first visit to the rail siding revealed a D8 Cat. tractor and clearing equipment perched forlornly on two flat cars. These were consigned for the project, and had been there for a considerable period. As there was no off-loading ramp, this meant the construction of a Heath Robinson affair from fallen trees, and the making of primitive sheer legs from the same materials. The army engineers laboured mightily and my fellow feeling for the makers of the Pyramids became highly developed. Seeing the engineers working mightily under very difficult conditions made me think that Hercules was a piker and Dole bludger. However, finally the D8 waddled off the ramp and made its way to the camp.

It may be appropriate to explain what the project envisaged. In effect it was to evaluate and commence action on developing the area for the raising of cattle, perhaps pigs and poultry, irrigated crops such as cotton and oleaginous plants, irrigated and dry land grazing, processing and marketing of the products (and anything else that had been overlooked). This can be summed up that, if practicable, it would mean the outlay of vast inputs of labour, finance, and decades of development.

By this time I was reaching a fairly advanced stage of horror, but I had'n't seen anything yet. When I mentioned that I was wondering from where the large amounts of water were to be supplied for the irrigation aspects, this was treated by

my counterparts with the contempt such a remark undoubtedly deserved - had I forgotten the Rio Grande? Tomorrow I would see what was contemplated. Eagerly awaiting further insight into human ingenuity, and shortly before retiring for the night, I commented upon the enormous numbers of bats flitting around, and was somewhat dismayed when a voice advised me to make sure that the shutter of my room window space was carefully closed as of course rabies was endemic, and that those pretty little bats were carriers. The enormous swarms of mosquitoes also made me understand why I had been pumped full of anti-malaria pills.

I should at this stage explain what the jungle cover comprised, certainly not the tall rain forest a la Amazonas, but rather three distinct types: firstly a fairly dense layer of trees up to 40 feet tall, then a very thick medium cover up to 20 feet, with an almost impenetrable lower cover from ground to about six feet. This lower cover was very wicked, and meant that survey lines and tracks had to be cleared by hand with machetes. After passing a somewhat disturbed night, we breakfasted on coffee and leathery flapjacks, and set off along a cleared trail blazed towards the river. Some seven miles later, and after hours stumbling, cursing, and being driven to the brink of sanity by the incredible amounts of large black flies which had the dreadful habit of swarming about the face and head like bees, we arrived on the banks of the river. We stripped off and with joyous shouts dashed into the "water", which had a flow rate, consistency, and colour of some of the coffee which the NAAFI issued during the war. The only effect of the refreshing dip into the turbid river was to convert a few white or near white men into redskins. We sat under a bush, and in between fighting off attacks from hungry flies, mosquitoes, and soldier ants, I listened with growing wonder as the proposed irrigation scheme was outlined.

A SIMPLE IRRIGATION SCHEME

I hadn't realised how simple it was - just construct an open channel from a river diversion across some seven miles of sandy, highly permeable soil, including two sand dunes each about half a mile wide, to a water collection area near the camp. Here water would be reticulated to irrigation areas as required. I pointed out that the river bed was about a mile wide and after fairly frequent flash floods it could, and would, change its bed by up to a mile. How did they propose to overcome the problem of a reliable offtake for the channel? - Easily - simply construct a large settling pond, install one or more large diesel powered pumps on pontoons, and "Bob's your uncle".

"Yes but what about the enormous seepage and evaporation losses?" - "No problem, just line the channel with a plastic film or perhaps spray on bitumen and/or concrete. A roof of split palings or bamboo could be made." Feeling my last vestiges of reason disappearing, I babbled about root and tree regrowth in the channel and on the banks, but was stopped cold by being told they could easily be grubbed out. I said "Yes, if all these things were possible, how much water could be delivered for reticulation, bearing in mind that the fall from river offtake to terminus was half to one foot to 1000 feet of distance?" Again quite simple, the slide rule had calculated that some 200 litres/sec was assured, enough to partially irrigate up to 100 hectares. At this point I burst into tears and was led sobbing back to camp. To compound my worries an analysis of the water showed quite a high degree of salinity - too much for human consumption, doubtful for livestock and doubtless a real problem re soil saline build-up.

CLIMATE

I have not referred to the climatic conditions, which again were rather unique - from March to December practically no rain, and from December to March up to 500 mm; winds

blew at almost constant gale force from the north - hot and dry for three to four days followed by two days calm, followed by southerlies - very cold and dry for three to four days. The risk of aeolian erosion, even from vehicle wheel tracks, was very high, and attempts at cultivation of cleared land would have to be most carefully calculated, leaving very adequate wind breaks. I suggested, very tactfully, that consideration should first be given to perimeter clearing by dozer of perhaps 100 hectares, ring fencing, and the area subdivided into four blocks with a common watering point, with water supplied from a clutch-fitted windmill pump. When this was done perhaps ten to 20 head of criollo cattle could be run on each block, and very careful note be taken of grazing/browsing reactions, edible native grasses, shrubs etc., and regular cattle weighings be carried out so that some preliminary data could be collected. The questions of the construction of abattoirs, cold stores, vegetable and oil crops marketing etc, should be deferred for some time in the distant future. A detailed and meticulous village/town plan had been drawn up by the engineers, which included school, hospital, shops, houses, church, plaza, and even a large swimming pool. The counterparts were so enthusiastic, hard working, cheerful, and capable, that I have a sneaking suspicion that, despite all the most daunting problems and obstacles, they may bring it off, and what is now a densely forested country may one day be a thriving agricultural and pastoral area. My fervent best wishes go to them all. The real tragedy is that Governments appear to have such short lives that long range planning and development could easily turn out to be ambitious wishes. I left shortly after the return of the project manager, and had rather an eventful trip back to Australia, having spent many months in a most challenging and intriguing country. I had not been back home long when I received a cable from Auntie -- "a serious problem had

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arisen in an African country would I etc." But that is another story.

*Arthur Delly: 1936/39 Lincoln -Dip. CAC,
Dip VFM,
1940/45 2NZE M.E. and Italy,
1946 D of Agr. Ashburton,
1947/1954 Tasmanian D of Agr.,
1954/1957 C'wealth Dept
Commerce and Agr.
1957/1971 FAO of UN: Chile,
Taiwan, Bolivia, Kenya.*

BHUTAN

From Graham Dunbar, Lincoln:

Three days out from Thimphu.
Altitude 13000 feet.

Tuesday 1 May

Well I feel considerably better than I did last night which is just as well, because then I really wondered if I would ever see the top! I expect the rise to 12,000 feet may have been a bit sudden but then I felt pretty well at 11,000 feet the night before. We haven't come all that far in three days really, and have the longest ride of all tomorrow to reach Lingshi. Really enjoyed it today. We travelled from 7.30 a.m. until noon. Our stops are governed more by the occurrence of suitable camp shelters than any other factor. I have the tent, which is very good; the other four have to make do, although Karma used the tent with me the first night. The first night we camped with a yak herder and his family in a forest clearing just below 11,000 feet. The first day we drove on a very rough road from Thimphu at 7,500 feet to meet up with the pack man. The Postmaster from Lingshi didn't turn up so we finished with just the five of us; that is Karma, my counterpart and interpreter, Dawa the Nepalese driver, and chief cook on this trip, Tsherwang the young veterinary assistant from Lingshi,

Sangey the pack man, and me.

There are two ponies and four mules in our train, one mule with riding saddle, the others with pack saddles, I ride the saddle mule, Karma rides pack saddle on a pack horse and the other people walk! The order of travel is fairly strictly maintained. The four pack ponies and mules lead, then the packie urging them on and making diversions to head the mules off when they take a wrong turning. Then I follow on my mule, then comes Dawa the Sherpa on foot, holding on to my mule's tail, then Karma on his pack horse brings up the rear. The Veterinary Assistant Tsherwang who is a very good fellow goes here and there as required carrying a transistor radio. We really would have been in a fix without him as it appears the packie Sangey doesn't know the way! Tsherwang works from Lingshi poor fellow, and makes four trips a year to Thimphu. The reason for Dawa walking behind me holding the mule's tail is because she is about the trickiest of the lot. Her favourite trick on a downhill path is to increase speed and raise her very short tail. The result - the crupper comes off, the saddle goes forward with dire results for me. I came off this way once the first day and had a nasty bump again yesterday but now we watch very carefully. Today's ride was good because the path was reasonably even. We descended from the overnight camp at 12,000 feet to about 11,400, then gradually climbed steadily alongside the river or above it till we came to the next camp at 13,000 feet. I can only describe the first two days as being like trying to ride a horse up the inside of the Cathedral spire, except that there were no walls outside! There certainly were some pretty rough patches but we were in forest most of the time. Yesterday we only travelled from 7.30 till 12; it was cold and rainy most of the time and I was completely done when we stopped. Slept most of the afternoon and had a good night. Much better this

morning and good tonight, although I had an altitude headache this afternoon.

I have not seen much wild life; some wild turkey-looking things, crows and a few other birds, no large animals apart from the yaks. Tomorrow early, we leave the bush and head toward the tops and a seven hour ride to Lingshi.

3rd May, Lingshi

I am afraid this letter will not be posted in Lingshi after all because (a) the postmaster is not here (b) there are only two outgoing mails a month and it seems rather uncertain when the next one will be. Lingshi is at 13,160 feet according to my altimeter, at least that is at the post office. We are just across the way in a bleak, Bhutanese style building, which is actually the headquarters for the veterinary assistant. I have been honoured with a small room of my own and, although sleeping on the floor, slept quite well last night. Generally speaking the Bhutanese do not have furniture. They sit on the floor and have box-like tables. This place at least has glass covering the windows but there is plenty of room for draughts between the boards below. It must really be freezing when there is about three feet of snow on the ground in winter. There is a small stove fed with yak dung, for heating one room.

The locals are all yak owners or herders and I believe there are about 16 families in the very large district. There are two houses nearby, which look quite substantial; the village with a few more houses is several hundred feet lower. I went for a slow walk this morning, to have a close look at the hill pasture - very severely overgrazed, though it is the end of the dry season I suppose.

Had quite a good ride from Shodug over a pass called Yale La, about 15,700 feet. Rode to the top but the shady side had snow and was slippery for about 1,000 feet, so it was better to walk down. This was okay until I had to climb a

small rise of about ten feet, I hardly made it! Pretty barren overgrazed country most of the way, general conformation somewhat like Molesworth.

Sunday, 6 May

I think it must be Sunday but there isn't anything to distinguish one day from another here. Anyway it is suitable perhaps, that we have had a relatively short journey this morning, riding from 7.15 a.m. to 1.00 p.m. and we are now camped about three hours journey from Laya. We started from Thimphu a day later than planned but should make up a day by staying just one night at Laya. In the last two days we have crossed three passes from Lingshi. Yesterday the first was quite low at 14,300 feet, the second rather higher at 15,300, but today's I am sure was the highest point of the journey at 15,980 feet. Our present camp is at about the same height as Lingshi - 13,000 feet. We are almost under an enormous mass of mountain which may have a local name but doesn't seem to have an official name on the map. It must be about 24,000 feet. Luckily we have not had rain since the first two days. The mornings are mostly very pleasant and clear, but cloud builds up round the mountains and the wind gets up in the afternoon. This side seems wetter than the far west, judging by the vegetation. All the grazing country is really overgrazed. I don't know what sort of recommendations I can make about this since the yak owners seem to be great individualists.

Had an interesting experience yesterday morning: The head man of one village had been asked to come and see us in Lingshi but had not turned up. When we arrived yesterday morning at this village where they were having an archery contest, the head man was severely told off by Karma after the assembled elders had all doffed their hats to us. Then I sat down, followed by Karma and the others, and we were offered the buttered tea followed by the local barley brew which was actually better than we had been given at

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Lingshi. As soon as a sip of the tea or the "bang-cha" was taken, the cup was immediately topped up. Anyway after having several cups of each mixture and a chat about yak farming in this particular district we finished good friends and Karma even had a shot with the bow and arrow for a wager. The day turned out to be longer than expected. We didn't make camp until after five, which was a long time since breakfast for the walkers. In penance for their sins the villagers had been told to send two boys ahead over the first pass to cut wood and prepare for our arrival. We hollered and yelled when we got there, but could see no signs, so eventually carried on over a pretty high pass to the second camp site. Just before we got there the two lads caught us up, went on ahead and were busy getting firewood when we arrived. They had run over one 14,300 feet pass from a 12,000 feet start, then over a second 15,400 feet one. Last night they slept in the open beside the fire and took off for home again about 7.00 a.m. We are usually up about 5.00 a.m., and quite ready for bed by 9.00 p.m. or earlier.

The campsite last night was at the King's game reserve where nobody is allowed to graze yak. I was able to see what the grass looked like in the absence of grazing. It is really a bit early in the season for identification. At this altitude, few things have begun to grow and the grazing lands are as bare as the proverbial baby's bottom. However, I have managed to make a reasonable plant collection. Speaking of bottoms, mine is not too bad now. I think the second day was the worst. Had a different horse today as the first one has a cut tail. Today's was a bit rash on the downhill too. Anyway I walked from about 15,500 feet down to 14,300. The alpine plants are very attractive, but unfortunately we are too early for most of the alpenes and rhododendrons above and about 11,000 feet. The primulas are well out and most attractive and there is also a blue iris in flower right through the grasslands. For the first three days before we left

the forests there were rhododendrons in bloom everywhere, and Daphne too, in some degree of flowering. Yesterday we were within about two kilometres of the Chinese border. We are not actually cut off. The transistor radio picks up a wide range of stations and we know the British election results!

Travelling on horseback does make note taking rather difficult. I travel with a small dictaphone tucked in my shirt, a plastic bag for collecting plants is under my jersey, an altimeter also strung round by neck and a camera for shooting from the mule, I hope with good results because she won't stand still. I transcribe from the dictaphone when I get to camp and press my plants etc, don't do anything about cooking or unloading the horses, as I get prior treatment for meals anyway. It is rather difficult for Dawa who is cook, to think of anything fresh with the very limited rations. Tsherwang likes the company so has decided to do the round trip.

12 May

Back in Thimphu - the hotel room looked very good when we arrived late at night. After leaving Laya about 12,300 feet, we descended steadily down the Mo Chu (River) and after the first day we were out of the Yak country. Reached Ghasa on the second day and stayed about 36 hours. One of the attractions was hot springs. One of the distractions and detractors was the leeches, but fortunately not in the springs. I was watching very carefully, but at one point on the ride, I fell off when the pony shied at something and a leech took advantage of me when I was down! When we got to camp I was surprised to find my skivvy sleeve soaked with blood but the leech had gone. We camped a night at the Ghasa School. The young headmaster Morgey spoke good English and I found him very interesting. At present he is the sole teacher with 52 pupils - other teachers come but don't seem to return from their first annual leave! The school is

residential - all except a half dozen or so pupils come from outlying districts and stay at the school from February through to the end of November. The head also has the responsibilities of the hostel - caring for the sick etc, so he has his hands very full. Karma persuaded me to talk briefly to the children with the headmaster translating. Difficult to know what gets through to children who have never seen a wheeled vehicle, let alone a motorised one. Anyway the kids were extremely attentive which is rewarding in itself, as there is little school furniture and children sit on the floor, legs crossed in traditional manner but they cannot take that for very long. With no glass in the window frames and no lighting inside, classes have to be abandoned on cold or foggy days. The school day starts with prayers about 5.30 a.m., and seemed to finish with more prayers at 8 p.m. Only four of the 52 pupils were girls, since parents don't send the girls to school from the outlying villages. I understand that in Eastern Bhutan where a greater proportion of the population is small farmers the interest in and attainment in education is higher. We leave for Bumthang in the east in two days - looking forward to seeing a different kind of country.

Graham Dunbar (1945-47), visited the small Kingdom of Bhutan in the Himalayas this year on an assignment for the Food and Agriculture Organisation of United Nations.

Graham's task was concerned with alpine pastures used by yak, mainly in the altitude range of 10,000 to 17,000 feet. Bhutan is about one-third the size of the South Island of New Zealand and has a population of about one and a quarter million people, most of whom are engaged in some form of agricultural or pastoral enterprise. Before the rainy season began Graham visited some of the more remote areas near the Tibetan border and we publish the above extracts from letters home. Thimphu, the capital of Bhutan has a population of

about 70,000 people, and is five hours drive from the Indian border.

PAKISTAN

From Norm Clark:

There are many first class features about Pakistan: the friendliness of the people, the sunny and windless, rainless, climate of the southern plains, the world class hockey, cricket and squash players, the excellent fresh fruit and fish, the well-behaved children, the respect for parents and previous generations.

Unfortunately, there are too many second and third rate aspects that combine to limit the potential of the country; namely: the general mistrust of, and the clogged up justice system, the dirt, the flies and the general unawareness of the principles of food hygiene, the bribery and corruption which appears to increase in extent and intensity the higher one is up the social scale, the general apathy and inefficiency, particularly in government agencies, and the lack of effective quality control in industry.

Although an experienced overseas traveller, I was initially affected by the cultural shock of living in Karachi among five to six million people. Also the Karachi traffic was frightening to the uninitiated. For instance, no pedestrian crossings; numerous small three wheeler taxis and vehicles ranging from scooters up to large and over-crowded buses. The more unusual forms of transport are bicycles (never with lights at night), cripples on skateboards, camel and donkey carts. Everybody parks where they can. The one redeeming feature is that an accident is the fault of the

driver! Hence, Pakistan would be one of the best places in the world to learn defensive driving. My own driving has improved markedly (I can hear my colleagues saying -not before time). My athletic awards for 1979 would however, not go to the National Hockey Team but firstly to the bus conductors who are always the most outside commuter hanging onto the outside of buses. Secondly, to the women, riding side-saddle on scooters, over very bumpy roads, clutching young babies.

AGRICULTURE

The country's food system depends upon irrigated water supplied by the mighty, snow-fed, Indus River. The Indus supplies the biggest irrigation system in the world. Most of the barrages and canals were constructed in the colonial days which today, is an expression of the ability of the English engineers. About 90 per cent of Pakistan's crops come from these irrigated lands but the system is always under pressure to feed about 70 million people, increasing at the fast rate of about 3.5 per cent per year. Thankfully, the soils are very fertile and two grain crops and a fodder crop can be grown per year. A lucerne crop can be cut 40 days after sowing, and under good management yields 15 cuts per year. Unfortunately, many acres under constant irrigation, without drainage, have become waterlogged and saline and consequently abandoned. Alternatively, low yielding crops are grown on the margins. Cotton is exported but the country struggles to maintain self sufficiency in wheat and sugar.

The livestock sector has been neglected and it is mainly in the hands of millions of small farmers with two to five buffaloes and cattle per family unit. Many of these families are landless. The bulk of the livestock nutrition comes from crop residues which naturally are not the most nutritious. Also the availability of adequate drinking water can be a problem. The local breeds of cattle require the stimulation of a suckling calf for milk let down.

The undulating and rocky landscapes are kept under intense grazing pressure by the many mobs of goats and sheep. In reality there is no organized livestock industry as such, and the many peasants have little political power. However, just outside Karachi there is the largest colony of buffaloes in the world (40 - 50,000) which came into being as a home when the buffaloes were driven out of the city streets.

GENERAL

My twin hobbies of longstanding, athletics and "bird" watching reveal, firstly in athletics; that standards have not improved since 1958 and they have been recently aggravated by organizational problems. Secondly, re the bird watching, the women have good stance, are usually slim and often beautiful. Unfortunately, they can run to fat quickly which is often encouraged by the fact that a fat wife can be a status symbol particularly in the city. Dairy advisers who are used to rating the nutrition of an animal by the width of its backside, would rate the following species in ascending order; the stray dogs, the hard working peasant women, the cattle, the buffaloes and, at the top of the scale, the rich city women.

FUTURE POINTERS

Pakistan at present is one of the group of 29 nations with the lowest income per capita. The bright aspects on the horizon are the apparently large reserves of gas, oil deposits and numerous untapped minerals. However, the country is under the pressures of a high birth rate, the fluid political system and the present institutional problems. Therefore, it is difficult to visualize a quick rate of improvement in the overall situation.

N.A. Clarke (47-49) until recently with the Ministry of Agriculture and Fisheries, Palmerston North, sent his story from Pakistan where he is working for his old firm "Ashworth and Associates" on a United Nations contract, as Livestock Development Adviser to the Sind Government.

GEORGE ANDREW HOLMES died in Dunedin on August 30 1978, aged 77 years. After completing a science degree at Otago University he was one of the early students to enrol for the B.Agr. course in the early 1920s. He was on the College staff for a short time as a farm economist. Most of his career was spent in the Department of Agriculture, though he had a period in one of the mercantile firms. He became the first Director of the Invermay Research Station in Mosgiel. During World War II, he was one of the team of agricultural advisers sent from New Zealand to help the British food production programme. A member of the College Board of Governors, he retired from Invermay in 1965.

JOHN LOFTUS PORTER died on November 23 1978 at Napier, at the age of 57. John Porter was the Chief Soil Conservator at the Hawke's Bay Catchment Board for 20 years, and had become known throughout New Zealand as a leader in his field. Before joining the board, he worked with the Ministry of Works and Development and the Ministry of Agriculture and Fisheries in the field of soil conservation. During the Second World War Mr Porter served with the RNZAF, the Fleet Air Arm and also the New Zealand Army. He was educated at Wanganui Collegiate and Lincoln College, where he was a Diploma student in 1939/1940, and graduated with a Diploma in Agriculture. John was one of a distinguished group of students who attended the first training course in soil conservation under L.W. McCaskill in 1946.

RODERICK McRAE MACLEAN died on October 17 1978 at his home in Timaru. He took the Intensive and VFM courses as a war ex-serviceman on rehabilitation assistance. From then on, he spent most of his time working in the Department of Lands and Survey in Timaru.

JAMES GORDON GIBB died on October 14 1978 at his home in Wellington. James Gibb was a graduate of Lincoln College during the mid-twenties. He had a period in the Falkland Islands as a Colonial Service Officer. He gained his Ph.D. in plant pathology at the University of Minnesota and then worked as a scientist in the Plant Diseases

Division of the DSIR in Palmerston North and Auckland. At the end of his career he was a senior lecturer in the Department of Botany at Victoria University.

LESLIE WILLIAM GORMAN died on November 9 1978 at Palmerston North. Leslie received a B.Agr. in 1928 and then went on to become one of the first group of M.Agr.Sc. students. Most of his career was spent in the Grasslands Division of DSIR in Palmerston North, specialising in clover breeding. Leslie was one of Sir Bruce Levy's original team. He was secretary of the Palmerston North branch of the Old Students' Association.

ALAN DOUGLAS LOWE died on 21 January 1979 at Christchurch Hospital at the age of 64. He worked in the Entomology Division of DSIR at Lincoln and was based at the College, where he studied for a Ph.D. under Professor Harrison.

JAMES SHENNAN. LYALL died on 20 January 1979 at Christchurch at the age of 53. Born and brought up at Milford, near Temuka, South Canterbury, Jim came to Lincoln in 1945 after an intermediate year at Otago University. He completed his Bachelor of Agricultural Science at the end of 1947 and was awarded a Senior Scholarship at a time when Massey and Lincoln students were considered together for such awards. Returning to Lincoln, he completed his Masterate in 1950 with thesis work on the cyanogenetic content of white clover.

Following training at Auckland Training College, Jim taught first at Whakatane High School and then at Timaru College, before leaving in the late 1960s to work for the South Canterbury Catchment Board in his home town, Temuka. In the Temuka community Jim gained high regard for work in community affairs. He was the longest serving secretary of the Temuka Rugby Club and a Life Member. For 20 years he was on the committee of the Temuka Park Tennis Club, serving as Secretary and President. He had long service also with the Temuka Horticultural Society, where he had held at some time the offices of Secretary, Treasurer and President.

In recent years he had retained a link with Lincoln College through his

brother the late Gordon Lyall, who was Tutor in Rural Education at the College from 1966 to 1975.

KARL HENNING BERTIL HJELMSTROM died on 30 January 1978 at Whakatane Hospital at the age of 66. Karl attained fame in 1936 when, as a young apprentice on a wind-jammer sailing ship, off the coast of Australia, he was lowered over the side in a wooden bath-tub and made his way to the coast. Later, in New Zealand, he took the Diploma course at Lincoln College in 1937-38. As a Swedish national he could not serve with the N.Z. Forces during the war, so he worked instead as a deer culler in the Canterbury high country. He joined the Department of Maori Affairs in 1949 and worked with that Department as a farm supervisor until his death, except for a break of seven years during which time he managed a sheep farm near Cambridge.

ROBERT ALLENBY MILNE died on 30 June 1979 at Christchurch. Robert was one of the returned servicemen of World War II who completed a B.Agr.Sc. in 1947-48. He then became an Advisory Officer in the Department of Agriculture and was mostly located in Rangiora - the district in which he had been brought up and educated. He was at one time Provincial President of the Canterbury Golf Association.

JOHN WILLIAM RALPH SHAND died on 20 August 1979 at Invercargill, at the age of 46. John (Dip.Ag. 1951-52) was a well-respected farmer and an active member of a farm discussion group for the past 15 years. He was a very successful wheat grower, obtaining very high yields. John lived a full and public spirited life and was appointed a Justice of the Peace. He was a former secretary of the Limehills branch of Federated Farmers, secretary of the Limehills School Committee for many years and an active member of the Centre Bush Presbyterian Church. He was a prime mover and Foundation President of the Winton Bridge Club.

ALLAN FOREST GREENALL died in Christchurch on 26 May 1980. An early recruit to the Soil Conservation movement in New Zealand, "Snow" (M.Agr. Sc. 1934-36) attended school at Tinwald and Ashburton and then took his Master's degree in Agricultural Science at Lincoln College, with honours in agricultural economics. On leaving Lincoln, he joined the Department of Agriculture as Agriculture Instructor at Balclutha from 1936 to 1944. He then farmed successfully at Romahapa, South Otago. From 1947 to 1951 he was District Soil Conservator, Ministry of Works, Palmerston North, and then became Senior Agronomist, Crop Research Division, Department of Scientific and Industrial Research, Lincoln, until 1958. Much of his work with the Crop Research Division involved investigating measurement techniques for forage crops.

From 1958 to 1966 Allan Greenall was Chief Soil Conservator of the Otago Catchment Board, the largest catchment board in the country, at 36,257 km². In his eight years with the Otago Board staff teamwork resulted in a substantial increase in farm conservation plans, much progress in land-use capability surveys and greatly improved co-operation with farmers and departments. He rejoined the Ministry of Works in 1966 as a Soil Conservator in head office in Wellington and was appointed Chief Soil Conservator, Water and Soil Division, Ministry of Works, in 1967, on the retirement of D.A. (Doug) Campbell. In 1971 he was appointed Assistant Director (Research) and he retired at the end of 1974.

Allan Greenall will be remembered by old students as one of Ian Blair's 1935 1st XV. He is survived by his wife and family of four.

LINCOLN COLLEGE OLD STUDENTS' ASSOCIATION
(INCORPORATED)

INCOME AND EXPENDITURE ACCOUNT FOR
THE YEAR ENDED 31 MARCH 1979

	\$	\$
	This Year	Last Year
We received income from:		
Subscriptions - Current (2)	377.50	468.00
- Arrears	152.00	168.00
	<u>529.50</u>	<u>636.00</u>
Entrance Fees	27.00	62.00
Donations	3.70	46.48
Magazine Sales (3)	461.00	300.00
Interest from Investments (4)	3,154.39	2,386.84
Dividends (4)	699.54	680.00
Tie Sales - Surplus	226.94	5.06
Sundries	1.50	6.52
	<u>5,103.57</u>	<u>4,122.90</u>
	<u><u>5,103.57</u></u>	<u><u>4,122.90</u></u>
And we expended funds on:		
Wages	49.00	75.00
Allowances and Travel	410.44	310.00
Accounting/Secretarial Fee	1,000.00	250.00
Postages	668.17	652.79
Stationery	66.35	396.34
Insurance and A.C.C. Levy	1.19	1.25
Printing, Typing, etc. for Magazine	3,639.53	3,518.80
Scholarship	500.00	250.00
Presentation, Tributes, etc.	50.00	88.45
Miscellaneous	1.00	27.50
Social Functions - Deficit	120.85	156.45
Lincoln College Foundation	500.00	-
Executive Expenses	90.30	155.60
	<u>7,096.83</u>	<u>5,882.18</u>
	<u><u>7,096.83</u></u>	<u><u>5,882.18</u></u>
MEMBERS' FUNDS		
Balance from previous year	675.28	2,434.56
Deficit for year	1,993.26	1,759.28
	<u>1,317.98 (loss)</u>	<u>675.28</u>
	<u><u>1,317.98 (loss)</u></u>	<u><u>675.28</u></u>

LINCOLN COLLEGE OLD STUDENTS' ASSOCIATION
(INCORPORATED)

BALANCE SHEET AS AT 31 MARCH 1979

	\$	\$
	This Year	Last Year
CURRENT ASSETS		
Cash at Bank of New South Wales	3,821.01	975.08
Interest Accrued	-	150.00
Sundry Debtors	400.00	300.00
Ties on Hand (5)	990.00	375.06
	<u>5,211.01</u>	<u>1,800.14</u>
	<u> </u>	<u> </u>
MEMBERS' FUNDS	1,317.98	-
	<u> </u>	<u> </u>
INVESTMENTS		
As per schedule at cost	40,706.87	42,866.00
	<u> </u>	<u> </u>
FIXED ASSETS		
Furniture and equipment	10.00	10.00
Total assets reflect the following:		
CURRENT LIABILITIES		
Sundry Creditors	250.00	Nil
	<u> </u>	<u> </u>
SPECIAL FUNDS		
Diamond Jubilee	402.00	402.00
Hilgendorf Memorial Lecture	166.26	166.26
Scholarship	5,265.77	5,265.77
Ivey Hall Booklet	-	95.00
Hudson Memorial Plaque	100.00	100.00
	<u>5,934.03</u>	<u>6,029.03</u>
	<u> </u>	<u> </u>
LIFE MEMBERSHIP		
Balance, 1/4/78	37,971.83	34,391.83
New Members - Ordinary	2,700.00	3,300.00
- Concessional	390.00	280.00
	<u>41,061.83</u>	<u>37,971.83</u>
	<u> </u>	<u> </u>
MEMBERS' FUNDS	-	675.28
	<u> </u>	<u> </u>
TOTAL	47,245.86	44,676.14
	<u> </u>	<u> </u>

REPORT OF AUDITOR

I have examined the accounts of the Lincoln College Old Students' Association Incorporated for the year ended 31/3/79 and I have obtained all the information and explanations we have required.

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

As a result of a recent Court case it is possible that the Association has some Income Tax Liability. The position is not clear at this point in time but actions have been taken to ascertain the extent, if any, of this liability.

Subject to the foregoing, in my opinion the Balance Sheet and Income and Expenditure Account present a true and fair view of the state of affairs of the Lincoln College Old Students' Association Incorporated as at 31 March 1979 and of the results of its activities for the year ended on that date.

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.,
Registered Valuer
27 April 1979

G.A. HAY
Hon. Treasurer

LINCOLN COLLEGE OLD STUDENTS' ASSOCIATION
(INCORPORATED)

SCHEDULE OF INVESTMENTS AS AT 31 MARCH 1979

Name	Maturity Date	Maturity Value	Cost \$	Interest %
Debenture Stocks				
Christchurch Drainage Board	01.04.90	5,000	5,000	6.00
Christchurch Drainage Board	01.12.80	800	800	6.00
Broadlands Dominion Group Ltd.	31.08.81	3,000	3,000	13.00
Canterbury Frozen Meat Co. Ltd.	31.08.81	2,000	2,000	12.00
Challenge Corporation Ltd.	31.08.81	2,000	2,000	12.25
Dalgety N.Z. Ltd.	15.12.83	1,000	1,000	12.25
N.Z.Farmers Co-op Assn.of Canty. Ltd.	31.07.80	2,000	2,000	11.75
Paparua County Council	01.07.79	800	800	5.00
A.G.C. Corporation (N.Z.) Ltd.	07.12.79	2,000	2,000	11.00
A.G.C. Corporation (N.Z.) Ltd.	30.06.80	2,000	2,000	12.00
Trust Mortgages				
Wellesley Holdings	01.04.80	2,000	2,000	
Gee, G.P.	09.07.79	2,000	2,000	
Kowhai Marketing	01.04.80	1,000	1,000	
Asher, A.S.	01.11.79	2,000	2,000	
Watson Farm	01.04.80	1,000	1,000	
Company Shares/Notes		No.	Cost	
Skellerup Industries Ltd.		300	495	
Tasman Pulp and Paper		1,259	1,940.87	
Rheam N.Z. Ltd.		500	1,285	
Steel & Tube N.Z. Ltd.		1,500	1,740	
N.Z. Steel Ltd.		2,500	2,620	
National Insurance		960	1,250	
N.Z. Forest Products Ltd.		300	776	
UDC Group Holdings Ltd. (Notes)		2,000	2,000	
			40,706.87	

THANKS

Publication of the magazine depends on the enthusiasm and effort of many people. It is perhaps unfair to single out individuals, but some deserve special mention.

Because financial constraints have forced a departure from cold-type setting to reproduction from typewritten pages, a particularly heavy burden was placed on typists Mrs Nan Thomson and Ms Bev Atkinson, who cheerfully and assiduously produced faultless typewritten copy.

Doctor Ian Blair, who for 32 years edited the magazine, continues to take an active interest in it, supplying much material of interest. Branch Secretaries responded well to requests for information.

Peter Cosgriff has been, and is a willing helper and supplier of information and material for publication and Eric Mangin and his staff continue to supply excellent photographs.

CHANGE OF ADDRESS

The Secretary,
Lincoln College Old Students' Association,
LINCOLN COLLEGE, CANTERBURY.

NAME AND OLD ADDRESS

(print clearly)

NEW ADDRESS

(print clearly)

I am an Annual Member

I am a Life Member

(Cross out the one that does not apply)

COURSE TAKEN -----During 19-- to 19--

Please note the following data for the magazine: -----

APPLICATION TO JOIN THE ASSOCIATION

I wish to be enrolled as a member of the O.S.A.

- I wish to become a Life Member and
 - (a) elect to pay \$40 Life Membership fee
 - (b) enclose \$15 being the first of three annual payments.
- I wish to become an annual member and enclose \$5 membership fee and \$1 entry fee.

(Cross out the one that does not apply.)

Name -----

Permanent Address -----

Course Taken ----- 19-- to 19--

