

THE AUSTRALIAN NATIONAL UNIVERSITY

THE EDITH & JOY LONDON FOUNDATION

ANNUAL REPORT 1986

INTRODUCTION

The Foundation was inaugurated in March 1975 by Miss London's gift to the University of her 348 hectare property at Kioloa. Its prime purpose is to provide a place of instruction and research in the field sciences. To this end it provides a protected and managed environment and simple accommodation and laboratory facilities. The facilities are also available to study groups from other disciplines for approved meetings and courses.

The Foundation has continued to graze beef cattle on the cleared portion of the property since Miss London ceased this activity in 1979. This type of farming was seen as the best method of maintaining the property in its natural and rural state in accordance with the conditions of the Deed of Gift.

In terms of achievement, 1986 saw:

- (a) An above average usage rate of the field station facilities;
- (b) application of the Joy London Fund to specific research and teaching projects based on the Foundation; and
- (c) continued consolidation of the farming operation.

ADMINISTRATION AND CONTROL

The Foundation is administered by a Management Committee appointed by Council. During 1986 members were:

Miss Joy London
Dr R.E. Barwick (Bailiff)
Mr R. Chevis
Dr O.F. Dent (Chairman)
Dr Caroline Ifeka
Mr R.A. Hohnen
Dr I.R. Noble (Chief Curator)
Dr B. Lees
Mr W.P. Packard (Steward)
Mr C.G. Plowman
Professor D. Walker
Dr R. Whelan, University of Wollongong
Mrs Roslyn Muston, University of Wollongong

Dr Dent was elected Chairman in March to succeed Mr Packard. Mr Packard, a foundation member of the Committee, had previously advised that he would be retiring from the University during 1986.

Mr Rodney Chevis joined the Committee as a co-opted member in January whilst undertaking a PhD with the Zoology Department. Mr Chevis was a practising farmer and Chief Veterinarian with the New South Wales Government Department of Agriculture.

Dr Brian Lees of the Geography Department in The Faculty of Arts joined the Committee as a co-opted member in March.

The Committee is assisted by voluntary curators in special fields. These are:

Dr J.C. Banks	:	woody plants
Dr R.E. Barwick	:	reptiles and amphibia
Dr J.A. Carnahan	:	marine algae
Dr O.F. Dent	:	historical materials
Dr V.A.P. Harris	:	crustaceae
Mr H.A. Nix (CSIRO)	:	birds
Dr N.M. Wace	:	herbaceous plants
Dr R. Whelan	:	documents

Mr John McFarlane was responsible for on-site management of the property during the year in the salaried appointment of Resident Custodian/Farmer.

Mr C. McGregor of Buildings and Grounds Division continued to act as Secretary to the Management Committee which met formally on five occasions during the year.

BUILDINGS AND GROUNDS

All buildings remain in good condition and are subject to constant preventive and/or remedial maintenance as required. The same procedures apply to building services and accommodation stores. Major replacement action required to date has been limited to expense items.

The internal road was resurfaced, graded and drainage improved during the year and a new section of road constructed to by-pass Miss London's residence. This work also included the provision of all weather access to the hayshed which is adjacent to the road. Resurfacing and remedial drainage of the road is required every 3 years or so and has a cumulative effect of improving the road's all weather capability and in preparation for eventual sealing.

TEACHING AND RESEARCH

(a) User Rate

A total of 2076 user nights recorded during the year were made up as follows:
(1985 figures are provided for comparison)

		<u>1986</u>	<u>1985</u>
ANU or Wollongong students with staff-(field science departments)	-	826	667
ANU students with staff (Other departments)	-	246	310
Other ANU students	-	26	84
Non ANU/Wollongong students with staff (e.g. other Universities, CCAE)	-	125	217
Individual research workers (staff and research students)	-	140	53
Foundation sponsored research and service groups	-	321	100
Others	-	<u>392</u>	<u>247</u>
Totals	-	<u>2076</u>	<u>1678</u>

Usage figures were above average and continued to follow the general pattern of high and not so high usage over alternating years.

The wide range of environments within a short distance of Kioloa and the wealth of teaching examples in a variety of disciplines sustain the Foundation's attractiveness as a centre for field science teaching and research. Established users return to the Foundation year after year and new users frequently make favourable comments on the environment, the facilities and their upkeep. There is also a growing clientele of non-field science users who find the facilities and surroundings appropriate for small conferences, workshops and similar academic pursuits. However the Management Committee is mindful that the rate of use should not be allowed to grow much beyond its present level to avoid degrading the very environment which is so attractive to users.

The modest growth in use of the Foundation's facilities over the years and its continued popularity with users attest to the Foundation's success in meeting its primary aim of fostering research and teaching in the field sciences.

(b) Long Term Research and Monitoring Programme

The Management Committee approved in principle and initiated preliminary work on the following projects at the Foundation.

(i) Automated Meteorological Station

This proposal involved the assessment and servicing of existing University equipment

constituting a VISALA station which could be available on transfer to the Foundation to form the nucleus of an automated station

(ii) Stratigraphic Survey

Taking advantage of drilling equipment available from the CCAE a study of the stratigraphy of sediments in the eastern half of the property was commenced.

(iii) Astronomy

To service and install a surplus reflector telescope on the property. The construction of an appropriate structure for the instrument would be involved.

(iv) Prehistory Records

The collection of selected regional prehistory reports and theses for the Foundation Library.

THE JOY LONDON FUND

This Fund was established by Council in 1980 following a second donation by an anonymous benefactor of the Foundation. In general terms the fund was to be used to support educational activities and to facilitate research of direct relevance to the Foundation, particularly in the field sciences, for undergraduates and research students.

Fund expenditure during 1986 was concerned with:

(a) Equipment for Individual Research

Telemetry equipment to the value of \$1300 was provided to a post graduate student of the Biology Department of the University of Wollongong. This equipment is used in a study of the yellow-bellied glider population in the Kioloa area and will be retained by the Foundation on completion of the study.

(b) Accommodation and Facilities for Individual Research

This was provided at the Foundation for a prehistory student during fieldwork for her honours thesis which was based on the Kioloa area.

(c) Student Workshop on Vegetation Dynamics

This was the first major activity attempted by the Foundation under the auspices of the Joy London Fund. In essence, the Fund met all the organizational costs including board and lodging at the Foundation and some assistance with transport.

The workshop was conducted over the period 16-22 February with the organization phase commencing as early as August 1985. The aim was to enable an Australia wide group of students and researchers in vegetation dynamics to discuss and exchange ideas and experiences between themselves and selected principals with long experience in the field in an informally organised environment. 24 students, mostly mid-point PhD researchers and a sprinkling of MSc and Honours representatives, were selected from 52 applicants.

This new venture, which the Management Committee thinks is unique in Australia, was acclaimed as highly successful by all participants. It allowed a group of young and dedicated students to meet their fellows from around the country and to interact with experts in their field. Through the course of the workshop they lived their science and they went away with valuable insights and renewed interest in their discipline. This is another example of the very positive contribution being made by the Foundation to field science teaching and research in the University and in Australia and the Management Committee plans to conduct such workshops regularly.

The Management Committee at its May meeting approved financial support from the Joy London Fund for the following 1987 project.

Student Workshop: Plant Breeding Systems and Pollination Ecology

Use of the Foundation facilities and a provisional budget of \$7,000 was approved for this activity to be conducted over 5 working days in February 1987.

The workshop was designed by Dr R. Whelan with the aim of providing a selected group of students from Honours to doctorate level with the opportunity to exchange ideas, learn a variety of techniques and discuss the topic with a small group of specialists, namely:-

Dr Brian Barlow, Herbarium Australiense,
CSIRO Canberra

Dr Stephen Hopper, W.A. Department of
Conservation and Land
Management

Dr Robert Whelan, Biology Department, University
of Wollongong.

FARMING

The farming operation derives from the University's commitment under the Deed of Gift to "...preserve the land in

its entirety in its natural and present state...". Approximately 80 hectares was under pasture and devoted to beef cattle farming when the University received the property from Miss London. The Management Committee has continued this activity since Miss London gave up her interest in the farm in 1979. Independent expert advice has confirmed beef cattle breeding is the most appropriate land use relative to the local agricultural economy and commensurate with the Foundation's aims of environmental conservation and good land management. Maintaining the cleared land provides a greater variety of ecological niches than would otherwise exist, particularly forest edges which are attractive to wildlife. The open grasslands also attract a variety of birds and mammals. Furthermore, the farming operation ensures efficient use of major plant and equipment and capital items such as roads, fencing, water supply and bushfire protection which are required to maintain the property regardless of whether the land is farmed or not.

Stock holdings based on 50-70 breeding cows, dependent on seasonal conditions, have been maintained and appeared to be the optimum stocking commensurate with the cleared area. Further pasture improvement, fencing, stock handling facilities and equipment acquisition is aimed at establishing an efficient farming routine that is within the Resident's capacity and compatible with the operation of the field station.

Arrangements were commenced through the good offices of Mr Chevis to have the farming operation independently reviewed in 1987.

PUBLIC RELATIONS

(a) Open Week

An open week and public display was conducted at the Foundation over the period 29 December 1986 to 2 January 1987 inclusive. During the week 481 people visited displays in the field laboratory and historical museum, 158 participated in organised field excursions and 103 attended evening astronomy sessions; a total of 742 person-visits.

(b) Scientific Activities for Local Residents

Following an approach by local community groups the Management Committee agreed to arrange periodical talks and activities of general scientific interest either at or based at the Foundation. Two such activities were conducted during the year.

(c) Bush Fire Brigade Facilities

Agreement was reached with the local Fire Brigade whereby the northern bay of the fireshed would be enclosed and lined to provide a meeting place and operational base with kitchen facilities for both the Brigade personnel and the Ladies Auxiliary. In

keeping with previous arrangements in this regard the Foundation was to provide the building materials with the Brigade providing the labour. Repainting and staining the exterior of the building was also agreed under the same arrangement.

Dr O. DENT
Chairman,
Management Committee

INCOME & EXPENDITURE STATEMENT
FOR YEAR ENDED 31 DECEMBER 1986

1877/1987

	Farming Operations	Fieldwork & General Operations	Total	1985
	\$	\$	\$	\$
<u>Direct Income</u>				
1. Income - general	-	-	-	481
2. User charges	-	14118	14118	10403
3. Gross surplus on livestock account	13995	-	13995	12097
4. <u>Total</u>	13995	14118	28113	22981
<u>Expenditure</u>				
5. Resident farmer/custodian and oncost	13504	13505	27009	22900
6. Annuity and letting rights	-	6000	6000	6000
7. Rates	-	2807	2807	2552
8. Insurance	210	1915	2125	1853
9. Small works and conversions/special projects	-	-	-	6700
10. Rental subsidy - resident (plus FBT)	-	4809	4809	4156
11. Farm materials and maintenance	5188	-	5188	5226
12. Farm contractors	1640	-	1640	2394
13. Travelling, meeting, functions	-	949	949	1800
14. Vehicle running expenses	1637	260	1897	3980
15. Telephones and telex (less recoveries)	-	771	771	504
16. Electricity (less recoveries)	486	2753	3239	3047
17. Furniture and fittings	-	280	280	2175
18. Maintenance - buildings, roads services	-	5302	5302	4193
19. Research and teaching contracts and materials	-	1420	1420	1353
20. Other expenditure	-	836	836	1247
21. <u>Total</u>	22665	41607	64272	70080
22. Deficit of direct income over expenditure	8670	27489	36159	47099

		Total \$	1985 \$
<u>Less Contributions and Donations</u>			
23. University contribution		37000	37000
24. Donations (University of Wollongong)		4000	4000
25. <u>Excess/(Deficit) Income over Expenditure - Normal Operations</u>		4841	(6099)
26. Abnormal item-value of livestock on hand 1 January 1985 brought into accounts			<u>19000</u>
27. <u>Sub Total</u>		4841	<u>12901</u>
28. Abnormal items - Value of non-current assets brought into account in 1986			
(a) Freehold Land and Buildings as per Valuation by McCann & Associates at 30 June 1986			
(i) Freehold land	696000		
(ii) Buildings	<u>454000</u>	1,150,000	
(b) Equipment at cost as at 1 January 1986			
(i) Truck and trailer	8765		
(ii) Tractor and farm equipment	14360		
(iii) Fire Trailer and associated equipment	1471		
(iv) Research and teaching equipment	15096		
(v) Domestic, maintenance and sundry equipment	<u>8651</u>	48,343	
29. <u>Less</u> adjustment of prior period user charges		- 644	
30. Excess of Income over Expenditure		<u>1,202,540</u>	

LIVESTOCK ACCOUNT

1877/1987

Beef Cattle - mainly Hereford

	Qty	\$
Opening Stock 1 Jaunuary 1986		
Breeding stock	54	13,500
Replacement heifers	8	2,000
Vealers	19	3,800
Calves	<u>32</u>	<u>960</u>
	113	20,260
Purchases		
Breeding stock	4	1,340
Vealers	-	-
Calves	4	-
Natural increase		
Calves	<u>40</u>	<u>N/A</u>
	<u>161</u>	<u>21,600</u>
<u>Less</u>		
Deaths		
Calves	1	N/A
Vealers	-	N/A
Sales		
Breeding stock	15	4,414
Vealers	42	10,721
Calves	<u>2</u>	<u>-</u>
	- 60	<u>15,135</u>
Closing Stock 31 December 1986		
Breeding stock	49	12,250
Replacement heifers	14	3,500
Vealers	21	4,200
Calves	<u>17</u>	<u>510</u>
	<u>101</u>	<u>20,460</u>
		<u>35,595</u>
<u>GROSS SURPLUS</u>		<u>13,995</u>

KIOLOA FIELD STATION

1877/1987

BALANCE SHEET AT 31 DECEMBER 1986

<u>Accumulated Funds</u>	\$ 1986	\$ 1985
Balance at 1 January 1986	35,783	22,884
Add Excess of Income over Expenditure 31.12.86	1,202,540	12,901
	<u>\$1,238,323</u>	<u>35,785</u>

Balance at 31 December 1986

Represented By:		
Cash at Bank 31.12.86	18,242	14,654
Sundry Debtors	240	871
Livestock at Market Value	20,460	20,260
Non-current Assets (see note)	1,199,381	
	<u>\$1,238,323</u>	<u>35,785</u>

Note:

Non-current Assets

Foundation Land & Buildings at Valuation	1,150,000
Truck and Trailer at cost	8,765
Tractor & associated equipment at cost	15,060
Fire Trailer & associated equipment at cost	1,471
Research & Teaching equipment at cost	15,434
Domestic, Maintenance and Sundry equipment at cost	8,651
	<u>\$1,199,381</u>

THE JOY LONDON FUNDStatement of Receipts and Payments
for the Year ending 31 December 1986Receipts

	1986 \$	1985 \$
Interest - Short Term Money Market	7,100	5,938
- Debentures	<u> </u>	<u>911</u>
	<u>7,100</u>	<u>6,849</u>

Payments(a) Vegatation Dynamics Workshop

Catering	3,150	
Work contracted out	700	300
Honorariums	1,000	
Travel	1,209	
Miscellaneous	<u>223</u>	
	6,282	

(b) Research Equipment 1,301(c) Accommodation 100(d) Plant Breeding and Pollination
Ecology Workshop

Travel	<u>830</u>	
	<u>8,513</u>	<u>300</u>

<u>Excess of Payments over Receipts</u>	(1,413)	6,549
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Statement of Accumulated Balances
as at 31 December 1986

	1986 \$	1985 \$
Balance at 1 January 1986	40,752	34,203
Add excess of payments over receipts	(1,413)	6,549
	<u>39,339</u>	<u>40,752</u>

These balances are represented by :

Current Assets

Cash	<u>\$39,339</u>	<u>\$40,752</u>
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