

CEYLON.



SESSIONAL PAPER IV.—1935.

Report and Accounts of the Coconut Research Scheme for 1934.

MARCH, 1935.

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COCONUT RESEARCH SCHEME.

ANNUAL REPORT OF THE BOARD OF MANAGEMENT FOR THE YEAR 1934.

(In terms of Section 8 (2) of Ordinance No. 29 of 1928.)

BOARD OF MANAGEMENT.

On January 1, 1934, the Board of Management consisted of the following members:—

The Director of Agriculture, Chairman (Dr. W. Youngman, D.Sc., Ph.D.).

The Deputy Financial Secretary (C. W. Bickmore, Esq., C.C.S.).

The Chairman of the Low-country Products Association of Ceylon (Mr. A. B. Gomes).

Mr. F. A. Obeyesekere, M.S.C.

Mr. J. L. Kotalawala, M.S.C.

Sir H. Marcus Fernando

Gate Mudaliyar A. E. Rajepakse, M.S.C.

Mr. J. Fergusson

Mr. A. W. Warburton-Gray, J.P., U.P.M.

Mr. Graham Pandittesekera, J.P., U.P.M.

Mr. E. F. Kannangara

) Members of the State Council nominated by the Governor.

) Representing the Low-country Products Association of Ceylon.

) Representing the Planters' Association of Ceylon.

) Representing the Smallholders.

Mr. C. H. Collins, C.C.S., succeeded Mr. C. W. Bickmore, C.C.S., as the representative of the Financial Secretary on the latter's retirement from Government Service. Mr. R. Sri Pathmanathan became an *ex officio* member of the Board upon succeeding Mr. A. B. Gomes as Chairman of the Low-country Products Association. Mr. J. L. Kotalawala, representing the State Council, ceased to be a member of the Board at the end of October, having completed three years' service. Mr. E. D. Sperdier continued to act for Mr. J. Fergusson until the latter's resignation was received in January. Mr. A. Ekanayake was nominated by the Planters' Association of Ceylon to fill the vacancy caused by this resignation. Mr. A. W. Warburton-Gray was renominated in May by the Planters' Association of Ceylon to serve on the Board for a further period of three years.

Meetings of the Board of Management were held on four occasions: March 16, June 1, October 5, and December 7.

COMMITTEE.

Building Committee.—Personnel: The Chairman, Sir H. Marcus Fernando and Gate Mudaliyar A. E. Rajepakse, M.S.C.

STAFF.

Dr. R. Child, Technological Chemist, has been in charge of the Research Station as Chief Technical Officer throughout the year.

Mr. W. V. D. Pieris, Geneticist, left the Island on study leave to England in December and will return to the service of the Scheme in July, 1935. The work of the Genetics Department is being carried on by Mr. C. L. de Zylva, Technical Assistant to the Geneticist.

Mr. S. Ramanathan, B.Sc., who had been appointed Technical Assistant to the Technological Chemist in January was transferred to the post of Technical Assistant to the Technological Chemist in February on the resignation of Mr. E. L. Keegel, Technical Assistant to the Technological Chemist. Mr. E. Chinnarasa was appointed Technical Assistant to the Soil Chemist in March.

Mr. P. J. Nonis has held the post of Estate Superintendent throughout the year.

The secretarial and accounting work has been carried out under the supervision of the Chief Technical Officer.

TECHNICAL WORK.

1. *Technological Chemist.*—(i.) Work in the Technological Chemist's laboratory has been largely in connection with the local soap industry. Analyses have been carried out on a large number of local soaps; sources of raw materials have been surveyed and samples examined. The whole of these results and some suggestions relative to the local soap industry have been published as Bulletin No. 1.

(ii.) Coconut shell charcoal is a minor product of some importance, and experiments have been conducted on the dry distillation of shells with a view to examining by-products. Shells gave on the average 30 per cent. of charcoal, 40 per cent. of acid liquor and 5 per cent. of tar. The acid liquor contains as chief constituent (besides water) some 10 per cent. acetic acid and experiments are being continued to see whether a method can be worked out for producing acetic acid for rubber coagulation. The tar can be made to yield creosote and small amounts of carbolic acid and a method has also been devised for hardening the tar to a brittle pitch possibly of use for roads.

(iii.) Work on fibre dust is being continued in conjunction with the Rubber Research Scheme, with a view to the possibility of combining bleached fibre refuse with rubber to form a flooring material and the like.

Work in conjunction with the Soil Chemist has shown that bacterial decomposition of the material is too slow for composting purposes, as would be expected from its composition, which has been thoroughly worked out.

(iv.) Analyses of various samples of oil and copra have been continued. The samples came from various sources and included one interesting lot of Maldive copra. The Laboratory equipment has been extended, one useful addition being a hydraulic press for the expression of oil from samples of copra and other oil seeds in amounts in one ounce to about two pounds.

(v.) An investigation is in progress in co-operation with the Soil Chemist on the development of the nut, analysis being carried out on the husk, shell, kernel and water of nuts of increasing degrees of ripeness.

Work of an advisory capacity has included the examination of samples of poonac, mostly in conjunction with the Soil Chemist, concerning their manurial value, analysis of "milk" from the young coconut; and some work on the production of edible coconut oil.

2. *Soil Chemist.*—The main work carried out by the Soil Chemist's Department includes the following:—

(i.) The statistical analysis of the data of the second year of the uniformity trial was completed, and plots were laid down for the manurial experiments to determine the response of coconuts to nitrogen, potash and phosphorus at three levels, separately and conjointly.

(ii.) A preliminary study was completed in the manurial value of coconut husk ash, and an investigation on the decomposition of husk in trenches commenced.

(iii.) Eighteen soil profiles were collected to form the nucleus of a survey of coconut soils.

(iv.) An attempt to prepare a compost manure out of coir dust was a failure. A complete chemical examination of coir dust confirmed the residual nature of this material to decomposition.

(v.) There has been a considerable growth in advisory work—in advice, correspondence relating to manuring and related problems, and analysis of samples submitted for report and advice. The latter included several samples of poonac, coconut water, coconut milk and toddy heads, "coconut milk", potash salts from the Coconut Exhibition and husk ash samples and sea weeds.

(vi.) Visits were paid to eighteen estates.

3. *Genetics Department.*—Work on Bandirippuwa estate has been continued on lines already laid down. A paper entitled "Studies on the Coconut Palm (I)", embodying the results of biometric investigations, was published in the "Tropical Agriculturist" in February, 1934.

Yield recording on Bandirippuwa and elsewhere has been continued. On one estate a block of five acres of newly cleared jungle has been planted up with nuts selected from that estate. Monthly measurements of rate of growth are being kept and it is hoped that with the acquirement of jungle land by the Scheme, this most necessary work will be extended.

Experiments in the nursery have been extended to include observations on the effect on seedlings of planting out nuts at different times of the year; at different times after picking and of planting upright or flat.

The stream near the nursery was flooded during the heavy rain in early November, when 22.11 in. fell between 3.30 P.M. on the 4th and 9.30 A.M. on the 9th. The water flowed over the nursery and upset two of the experiments. These have been adjusted and steps taken to prevent flood damage in future. Seedlings were supplied for vacancies on Bandirippuwa estate and there was an increased outside demand during 1934 for selected seed-nuts and seedlings supplied by the Scheme. It is hoped that this will develop still further.

The important correlation between weight of husked nuts and weight of copra has received important confirmation from work done by the Department of Agriculture in Malaya.

The Geneticist during his study leave is taking courses in Statistics and in Cytology.

4. *Meteorological Observations.*—A complete series of weather records has been kept since May 1, 1933, and includes rainfall, maximum and minimum temperatures, ground temperatures, humidity, barometric pressure and cloud observations. A monthly statement of these readings is sent to the Colombo Observatory. The bulk of the observations during 1934 were carried out by the Technical Assistants to the Chief Technical Officer and to the Soil Chemist. Observations were taken during public holidays by the Chief Technical Officer, the Soil Chemist and the Estate Superintendent as convenient.

5. *Library.*—On December 31, 1934, the library contained 203 books and 149 bound volumes of periodicals, with a large number of reports, leaflets and pamphlets. The principal additions during 1934 have been (by purchase) complete sets of "Benedictus" and "Der Zuchter", and a run of "The Tropical Agriculturist" from 1912-1930. Acknowledgment is made of a complete set of the "Review of Applied Mycology" to date, and of a nearly complete set of the "Review of Applied Entomology" given by the Controller of Plant Pests.

Including those loaned by members of the Staff, 52 current periodicals are received in the Library and this opportunity is taken of thanking the Directors of Departments and Institutes who supply their publications gratis. A large number of Annual Reports are received from various Departments and Institutes which are acknowledged individually by post.

The chief need of the library at present is of back numbers of the more important journals relating to Agricultural Science and to Chemical Technology; the bulk of the Library Vote (Rs. 2,500) for 1935 will be devoted to this purpose.

Publications, 1934.—

- W. V. D. Pieris: "Studies on the Coconut Palm, I.", *Tropical Agriculturist*, Vol. LXXXII, No. 2, February, 1934, pp. 75-97.
 B. Child: "Review of the Activities of the Coconut Research Scheme of Ceylon"—an address to the Central Board of Agriculture. *Tropical Agriculturist*, Vol. LXXXIII., No. 1, July, 1934, pp. 56-63.
 The Coconut Research Scheme for 1933: Annual Report and Accounts. Ceylon Government Sessional Paper V.—1934, April, 1934.
 B. Child: Bulletin No. 1, Report on the Soap Industry in Ceylon, pp. vi.+45.

6. *Meetings.*—The Chief Technical Officer attended by invitation the four meetings of the Board of Management during the year and acted as Secretary. The Chief Technical Officer also attended during the year one meeting of the Coconut Products Investigation Committee, nine meetings of the Standing Committee for Industrial Research and Development, three meetings of the Committee on Research facilities in Ceylon, one meeting of the Patent Advisory Committee, two meetings of the Central Board of Agriculture, one meeting of the Ceylon Planters' Association, one meeting of the Kurunegala Planters' Association and two meetings of the Chilaw Planters' Association.

On March 8, the Chief Technical Officer gave an address to the Rotary Club of Colombo on "Coconut Oil and its Rivals", which was broadcast; and a lecture on "Vitamins" to Toe H on May 16.

THE ESTATE.

The crops harvested were as follows:—

	No. of Nuts.
1st crop: February	78,589
2nd crop: April	89,398
3rd crop: June	129,296
4th crop: August	122,457
5th crop: October	85,562
6th crop: December	70,453
	<hr/>
	576,755

The total yield per acre was 3,774 and per palm 58.5. The corresponding figures for previous years are:—

Year.	Nuts Harvested.	Per Acre.	Per Palm.
1932	447,161	2,981	45.4
1933	632,106	4,145	64.2

The estate expenses for the year totalled Rs. 6,550.16, working out at Rs. 11.20 per 1,000 nuts harvested, the lowest since the estate was acquired by the Scheme in 1931. This included an expenditure of Rs. 1,035.94 on Estate roads and culvert.

The income from the sale of the 6th crop does not accrue in the financial year under review. The actual revenue from the estate during 1934 is made up as follows:—

	Rs.	c.	Rs.	c.
From 6th crop, 1933: nuts	1,193	5		
Do. copra from experiments		58	23	
Do. copra from rejections		11	1	
		<hr/>		
		1,262	34	
From crops 1-5 (1934) nuts	7,774	96		
Do. Copra from experiments (33 candies 3½ cwt.)		762	9	
Do. Copra from rejections (3 candies 3 cwt. 13 lb.)		61	1	
		<hr/>		
		5,638	4	
Sale of seed nuts and seedlings			113	50
Sundry sales (leaf butts, &c.)				100
		<hr/>		
		16,014	74	

The income per 1,000 nuts harvested was therefore Rs. 17.39; the net income (revenue less expenditure) was Rs. 3,464.68 or Rs. 6.01 per 1,000 nuts.

BUILDINGS AND ROADS.

The Building Committee consisting of the Chairman, Sir Marcus Fernando and Gate Mudaliyar A. E. Rajapakse visited the estate once and held one meeting.

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During the year an annex was built to the Junior Staff Power House and a wood asbestos partition put across the Senior Staff Power House to house the new battery installations. Arrangements have been made for periodical inspection of the electrical equipment at Bandirippuwa.

A new road has been constructed across the estate with a culvert of reinforced concrete across the stream, thus giving complete access by car to the Junior Staff bungalows which are situated at the extreme north of the estate. The estate road extension contemplated during 1935 will give complete access by car to the whole of the estate including the nursery and will greatly facilitate inspection by visitors. Kitchens have been built at the labour force lines.

The Haldanduwana-Dummaladeniya road has been resurfaced by the District Road Committee during 1934, and the estate can now be conveniently arrived at from either Wennappuwa and Lanuwila, or from the Toppu-Chilaw road. The Gansabba road from the north of the estate has received some attention from the Village Committee, so that the Research Station is much more favourably circumstanced as regards roads than formerly.

W. YOUNGMAN,
Director of Agriculture,
and Chairman, Board of Management,
Coconut Research Scheme.

January 24, 1935.

Audit Office,
Colombo, January 29, 1935.

THE CHAIRMAN, Board of Management, Coconut Research Scheme, Peradeniya.

SIR.—I HAVE the honour to report that the audit of the accounts of the Coconut Research Scheme for the year 1934, has been completed and have pleasure in forwarding the following documents duly certified:—

- (a) Statement of Receipts and Payments for the year 1934.
- (b) Balance Sheet as at December 31, 1934.

I.—RECEIPTS.

The total revenue received during the year amounted to Rs. 110,468·57. It exceeded the estimate of Rs. 98,398 by Rs. 12,070·37, but fell below the revenue of the previous year by Rs. 15,405·17. The increase over the estimated amount is mainly due to the large cess collections.

1. *Cess Collections.*—The total receipts on account of cess collections during the year amounted to Rs. 66,326·57 as compared with Rs. 47,992·64 received during the previous year. The receipts in 1934 include the collections made during December, 1933, viz., Rs. 4,790·17, but do not include the collections made during December, 1934, viz., Rs. 3,780·43, which were credited to revenue on January 14, 1935. The amount received on this account has been compared and found to agree with the corresponding figure in the Treasury Books.

2. *Grants.*—Rs. 30,000. This amount represents the annual grant received from Government under section 6 (i) (b) of Ordinance No. 29 of 1928, for the financial year 1933-34.

3. *Interest.*—A sum of Rs. 3,045·41 has been recovered during the year as compared with Rs. 4,122·90 recovered during 1933. The shortfall is due to reduced rates of interest allowed by the banks.

4. *Income from Estate.*—The income from the estate during the year was Rs. 10,997·14 as compared with Rs. 13,505·34 during the previous year. The decrease is chiefly due to the low market price of coconuts. The crop returns for the year were examined and it was seen that the proceeds of sale of the nuts have been brought to account.

7. *Electricity Charges.*—A sum of Rs. 808.46 has been recovered during the year in respect of the electric current supplied to the Senior and Junior Staff of the Scheme. These charges which have been collected as from January 1, 1934, were recovered as a result of representations made by this Department.

8. *Sundry Receipts.*—A sum of Rs. 149.79 has been received during the year on this account as against Rs. 253.66 received in the previous year.

II.—DISBURSEMENTS.

9. The details of expenditure are shown in the Statement of Disbursements. The whole of this expenditure was checked with supporting vouchers. The total expenditure during the year, exclusive of capital expenditure, advances, passage, &c. amounted to Rs. 89,562.29. This includes a sum of Rs. 14,556.64 being the amount transferred to Cash Reserve Account for depreciation, on account of buildings, laboratory, equipment, furniture, gas plant, and accumulators. The expenditure in the previous year, exclusive of capital expenditure, amounted to Rs. 81,666.27.

10. The following outstanding liabilities in respect of expenditure during 1934 are not included in these accounts:—

	Rs.	c.
1. Cost of audit, 1934 ..	336	61
2. Messrs. Carpils, Ltd., for goods supplied ..	4	66
3. Messrs. Vayansur & Co., for goods supplied ..	7	75

11. The following excesses on votes have not yet been sanctioned by the Board of Management:—

	Estimate.	Expenditure.	Excess.
	Rs. c.	Rs. c.	Rs. c.
B. Personal Emoluments:			
5-15. Salaries—			
Subordinate staff ..	10,031 0	10,168 42	117 42
D. Office:			
4. Incidental expenses ..	500 0	556 18	56 18
F. Buildings:			
3. Running expenses of electric plant ..	2,500 0	2,575 97	75 97
G. Estate Account:			
1. General charges ..	1,500 0	1,547 3	47 3
H. Research Account:			
1. General and nursery ..	1,000 0	1,044 86	44 86
A. Capital Account:			
2. Buildings ..	1,700 0	1,793 75	93 75

III.—BALANCE SHEET—LIABILITIES.

12. *Passage Fund.*—The balance on December 31, 1933, was Rs. 5,400. During the year a sum of Rs. 1,350 has been transferred to this Fund and a sum of Rs. 1,000 has been paid to the Geneticist towards his passage, thus leaving the balance at Rs. 5,750 on December 31, 1934. As a result of the observations made in paragraph II of my report for the year 1933, the Board has decided not to make any provision under this Head for 1935 as the present reserve is sufficient to cover any commitments for passages during this year.

13. *Provident Fund: Rs. 7,995.50.*—The balance on December 31, 1933, was Rs. 4,237.98. The contributions made by the officers during the year amounted to Rs. 1,554.09. The Board's contributions amounted to Rs. 1,310.83, of which Rs. 1,159.30 represented the bonus equal to the sum contributed by the members during the year 1933 and Rs. 160.53 the interest on the balance of the fund for 1933. A sum of Rs. 6.50 was paid during the year as refund of contribution made by an officer who resigned from the Scheme.

14. *Loans Outstanding Account.*—The balance on December 31, 1933, was Rs. 90,000. The second of ten instalments of Rs. 10,000 was paid during the year leaving a balance of Rs. 80,000.

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15. *Cash Reserve for Depreciation: Rs. 28,427.*—The balance on December 31, 1933, was Rs. 13,870·36, and a sum of Rs. 14,556·64 has been transferred from the revenue to this account. This amount has been arrived at as follows :—

	Rs. c.
Buildings at 5 per cent. on Rs. 164,911·26 ..	8,245 56
Laboratory structures at 5 per cent. on Rs. 61,082·45 ..	3,054 12
Laboratory equipment at 10 per cent. on Rs. 16,035·67 ..	1,603 57
Gas plant at 10 per cent. on Rs. 3,093·15 ..	309 31
Furniture for bungalows at 10 per cent. on Rs. 3,748·04 ..	374 80
Office furniture and equipment at 10 per cent. on Rs. 1,393·99 ..	139 40
Accumulators at 10 per cent. on Rs. 8,298·82 ..	829 88
	14,556 64

16. *Development Reserve Account: Rs. 379,988·42.*—This represents the amount spent on Capital Expenditure less the outstanding amount of the loan, viz., Rs. 80,000.

17. *Surplus Account.*—The excess of income over expenditure for the year is Rs. 5,235·95 and this amount is added to the balance of Rs. 117,570·51 on December 31, 1933, bringing the surplus to Rs. 122,806·46 as at December 31, 1934.

IV.—ASSETS.

18. *Land Acquisition: Rs. 187,554·68.*—This is a balance carried forward from the previous year. No expenditure was incurred during the year on this account.

19. *Buildings.*—The balance on December 31, 1933, was Rs. 171,702·64 and a sum of Rs. 1,793·75 has been spent during the year making a total of Rs. 173,496·39.

20. *Laboratory.*—The balance on December 31, 1933, was Rs. 76,337·90. A sum of Rs. 5,199·14 has been spent during the year making a total of Rs. 81,537·04.

21. *Gas Plant: Rs. 3,436·83.*—This is a balance brought forward from the previous year. No expenditure was incurred on this account during the year.

22. *Furniture for Bungalows: Rs. 4,164·49.*—This is a balance carried forward from the previous year. No expenditure was incurred during the year.

23. *Office Furniture and Equipment: Rs. 1,500·17.*—The balance on December 31, 1933, was Rs. 1,061·75. A sum of Rs. 438·42 has been spent during the year making a total of Rs. 1,500·17.

24. *Accumulators.*—A sum of Rs. 8,298·82 has been spent during the year on the installation of batteries at the Power Houses.

25. *Advance Account.*—Of the sum of Rs. 1,200 advanced by the Board to the Soil Chemist for the purchase of a motor car, Rs. 500 been has repaid by him (with interest at 2½ per cent. per annum) up to end of December, 1934. A sum of Rs. 700 is still due from him.

26. *Cash Account.*—Receipts for the amounts lying in fixed deposit were inspected. The balance in current account was verified by reference to the Bank Certificate. The balance on hand on January 23, 1935, was verified.

V.—GENERAL.

27. *Tennis Court.*—A sum of Rs. 202·97 was spent during the year in connection with the construction of a Tennis Court from the funds of the Coconut Research Scheme. I have already expressed the view that this expenditure cannot be regarded as expenditure incurred for any of the purposes indicated in section 4 (4) of the

Coconut Research Ordinance, No. 29 of 1928, and have requested that the question be submitted for the orders of His Excellency the Governor in terms of section 9 of the Ordinance—please see correspondence ending with my letter, No. I. M. of January 26, 1935, to the Chairman, Board of Management, Coconut Research Scheme, Peradeniya.

28. The accounts were received quarterly and were examined in this office. The books and accounts kept in the office of the Coconut Research Scheme at Bardirippuwa were inspected on two occasions during the year. The books were checked and the cash balance verified. A verification of the labour gang and a test check of the inventory articles were also made.

I am, Sir,
Your obedient Servant,

O. E. GOONETILLEKE,
Auditor-General.

COCONUT RESEARCH SCHEME.

Statement of Receipts and Payments for the Year 1934.

RECEIPTS.	Rs. c.	Rs. c.	PAYMENTS.	Rs. c.	Rs. c.
Revenue Account:			Expenditure Account:		
Balance brought forward from 1933	117,570	51	B. Personal Emoluments:		
Government's annual grant under section 6 (L) b of Ordinance No. 29 of 1928	20,000	0	Salaries: Senior staff	24,772	21
Cess collections	60,526	57	Subordinate staff	10,198	42
Interest	3,045	41	Provident Fund contribution (for 1933 and interest)	1,310	83
Income from Bardirippuwa estate	10,648	14	Refund of Provident Fund contribution	0	50
Charges to staff for electricity	898	46	C. Other Charges:		
Sundry receipts	149	79	(1) Travelling expenses: Staff	1,735	35
		228,038	(2) " Board members	295	0
Advance Account:			D. Office:		
Repayment of loan by Soil Chemist		500	(1) Stationery	520	57
			(2) Postages	358	54
Deposit Account:			(3) Printing and advertising	50	20
Balance brought forward from 1933	23,507	44	(4) Incidental expenses	556	18
Provident Fund (reserve account)	2,864	92	(5) Legal expenses	3,061	0
Passage Fund	1,350	0	(6) Telephone	417	15
Depreciation reserve account	14,556	64	E. Laboratory:		
		42,279	(1) Upkeep, chemicals, &c.	3,670	22
			(2) Books and periodicals	2,588	71
			F. Buildings:		
			(1) Upkeep	531	4
			(2) Insurance	460	25
			(3) Running expenses of electric plant	2,575	97
			(4) Tennis court	202	99
			G. Estate Account:		
			(1) General charges	1,547	3
			(2) Upkeep	2,215	0
			(3) Cultivation	492	72
			(4) Collection	495	41
			H. Research Account:		
			(1) General and nursery	1,044	86
			J. Loan Account:		
			(1) Repayment of 2nd instalment	10,000	0
			(2) Interest	4,500	0
			K. Reserve for Passage Fund	1,350	0
			L. Reserve for Depreciation Fund	14,556	64
			M. Passage to Geneticist	1,000	0
			N. Advance to Soil Chemist (to purchase car)	1,200	0
			A. Capital Account:		
			(2) Buildings	1,792	75
			Equipment of laboratory	5,199	14
			Accumulators	8,298	82
			Office equipment	438	42
				137,408	00
			Balance on December 31, 1934:		
			On fixed deposit	81,013	75
			On current account	82,165	88
			Cash in hand	190	33
				163,370	96
				270,817	88

Audited and found correct:
O. E. GOONETILLEKE,
Auditor-General.
Audit Office,
Colombo, January 29, 1935.

W. YOUNGMAN,
Chairman, Board of Management, Coconut Research Scheme,
Peradeniya, January 30, 1935.

COCONUT RESEARCH SCHEME.

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COCONUT RESEARCH SCHEME.

Balance Sheet as at December 31, 1934.

LIABILITIES.		ASSETS.	
	Rs. c.	Rs. c.	Rs. c.
<i>Passage Fund Reserve Account :</i>			
As per balance sheet, December 31, 1933	5,400 00		
Less passage paid to Geneticist	1,000 0		
	4,400 0		
Addition in 1934	1,350 0		
		5,750 0	
<i>President Fund Account :</i>			
As per balance sheet, December 31, 1933	4,237 8		
Less refund of contribution	6 50		
	4,230 3		
Receipts in 1934	2,854 92		
		7,085 50	
<i>Loans Outstanding Account :</i>			
As per balance sheet, December 31, 1933	90,000 0		
Less repayment in 1934	10,000 0		
		80,000 0	
<i>Cash Reserve for Depreciation :</i>			
As per balance sheet, December 31, 1933	13,870 36		
Addition in 1934	14,556 84		
		28,427 0	
<i>Development Reserve Account :</i>			
(Capital expenditure less outstanding loans)		379,988 42	
<i>Surplus Account :</i>			
Excess of income over expenditure up to December 31, 1933	117,570 51		
Excess of income over expenditure for the year ended December 31, 1934	5,235 95		
		122,806 46	
			624,067 38
<i>Land Acquisition :</i>			
Purchase price of Bandirippawa estate, as per balance sheet, December 31, 1933			187,554 68
<i>Buildings :</i>			
As per balance sheet, December 31, 1933		171,702 64	
Add expenditure during the year		1,793 75	
			173,496 39
<i>Laboratory :</i>			
As per balance sheet, December 31, 1933		76,237 90	
Add expenditure during the year		5,199 14	
			81,537 4
<i>Gas Plant :</i>			
As per balance sheet, December 31, 1933			3,436 83
<i>Furniture for Bungalows :</i>			
As per balance sheet, December 31, 1933			4,164 49
<i>Office Furniture and Equipment :</i>			
As per balance sheet, December 31, 1933		1,061 75	
Add expenditure during the year		438 42	
			1,500 17
<i>Accumulators :</i>			
Expenditure during the year			8,998 82
Advance Account (purchase of a motor car by Soil Chemist)			700 0
<i>Cash in fixed deposit in the National Bank of India, Ltd.:</i>			
in current account in the National Bank of India, Ltd.		81,013 75	
Cash in hand		82,165 88	
		199 33	
			163,378 96
			624,067 38

Peradeniya, January 30, 1935.

W. YOUNGMAN,
Chairman, Board of Management, Coconut Research Scheme.

I hereby certify that the accounts of the Coconut Research Scheme have been audited and that in my opinion the above Balance Sheet correctly sets forth the position of affairs as shown by the books at December 31, 1934.

Audit Office,
Colombo, January 29, 1935.

O. E. GOONETILLEKE,
Auditor-General.