

28th June, 1961

NI/GP/61/33

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

General Purposes Committee

General Financial Statement

Note by the Secretary

1. Financial Forecast 1960/61 - Schedule I

The latest forecast of expenditure for 1960/61 compared with the Treasury grant.

2. New Commitments - Schedule II

The schedule of commitments entered into since the last statement.

3. Schemes costing over £100,000 - Schedule III

A summary of the present position on each major scheme.

4. Estimates 1961/62 - Schedule IV

Estimates for 1961/62 compared with the allocated Treasury grant.

5. Revenue and Capital Accounts - 31/3/60 - Schedule V

The Revenue Account for the period ended 31.3.60. and the Capital Account as at 31.3.60.

Rutherford Laboratory,
Harwell.

Distribution: - to Members of the G.P.C. and
- to Members of the Governing Board - for information

N.I.R.N.S.

Financial Forecast 1960-61

SCHEDULE I

Capital

1. Nimrod Project

Notional Allocation of Treasury Grant £000	2,403	Latest Forecast £000	Grant	Forecast
3,054	2,431		Buildings Plant	500
			2,554	1,772
			Total	3,054
				2,431

2. Buildings

- (a) Phase II
- (b) Phase III
- (c) Other major schemes
- (d) Minor schemes
- (e) Hostels, Houses & Flats

230	188	207
70	41	44
170	83	105
30	17	47
20	4	8

3. Plant

- (a) Nimrod spares
- (b) Other Nimrod Plant
- (c) P.I.A. Plant
- (d) Other major schemes - R.H.E.I.
- (e) Minor Capital items - R.H.E.I.

80	20	1
516	123	225
175	35	35
99	-	-
55	40	45
1	-	-

4. Research Reactors

4,500	2,954	3,148
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Non-Capital

- 1. Salaries and Wages
- 2. Travelling Expenses
- 3. E.M.R.
- 4. Preparation for Experiments by Universities
- 5. Direct Materials and Services etc.
- 6. Services by A.E.R.E.
- 7. Hostels, Houses and Flats
- 8. Housing Loans

141	230	242
20	24	22
40	24	37
25	8	4
245	150	181
1,267	1,252	1,417
7	3	3
5	1	-

DEDUCT Receipts from Hostels, Houses & Flats etc.

1,750	1,692	1,906
4	1	3
1,746	1,691	1,903
6,246	4,645	5,051

N.I.R.N.S.

New Commitments valued £1,000 and over, for the period 1st April to 24th June 1961, not shown on the return of Nimrod Project

SCHEDULE II

Capital

Buildings

Scheme

Hostels, Houses and Flats

Detail

Value
£

Firms etc.

Approved By

Minor Schemes

31 Houses at Didcot

12,000

various

London Office AEA for purchase of land only.

"

Removal of Top Soil

12,500

Southern Works Organisation

G.P.C. 10.2.61.

"

Fire Fighting Equipment

8,500

"

Chairman, G.P.C. 5.10.61.

"

Centralised water cooling

17,250

"

G.P.C. 21.4.61.

"

Plant Stores

40,000

"

(London Office AEA R/ATNo. 601)

Site Services

Lecture Theatre - Fees only

1,500

"

Director 6.6.61.

"

Sub-station adjoining Hydrogen B.C. Services-increased cost

6,600

"

(London Office AEA R/ATNo. 615)

Plant

Nimrod Plant

Nimrod Spares

600 K.V. High voltage supply

6,375

Hydrogen B.C. Services

Combustible Gas Analyser

1,520

Heavy Liquid B.C.

Main observation windows

13,500

"

Single unit compressor plant

8,268

Visual Techniques

Projection Scanning Tables

9,600

Beam Handling Plant

Charging Capacitors

2,395

S.A.M.E.S.
M.S.A. Ltd.
Jena Glasswork Schott & Gen. Mainz.
Fullerton, Hodgart & Barclay Ltd.
E. W. Hudson & Co.
B.I.C.C. Ltd.

Chairman GPC 14.6.61.
Director R.H.E.L. Delegated
Director R.H.E.L.

Capital

Plant (continued)

Nimrod Plant

Minor Items

P.L.A. PLANT

Minor Capital Items R.H.E.L.

Stabalised Power units	1950	Westinghouse Ltd.	Director R.H.E.L.
Mass Spectrometer Leak Detector	1500	Edwards High Vacuum Ltd.	"
Refrigeration Plant for cooling PLA modulator	3817	Thames Valley Refrigeration Services Ltd.	"
75 K.W. AC/DC Motor generator set	1,285	R.F. Winder Ltd.	"
3 ton van.	1,300	Not yet known	"
2 ton hand operated crane	1,055	Herbert Morris Ltd.	"
Motor vehicles (6 vans)	3,000	Not yet known	Chairman GPC 18.3.61.
Addressograph machine	1,216	Addressograph-Multigraph Ltd.	" 18.3.61.
Motor vehicles (2 saloon cars)	1,455	Hartford motors Ltd.	" 18.3.61.
Lathe, Type 'O' 31" swing	5,054	Oldfield & Schofield	Director R.H.E.L.
Rebuilding valve test equipment additional cost	3,200	John T. Thornycroft & Co. Ltd.	"
Nuclear magnetic resonance fluxmeter and control	1,280	Varian A. G. Switzerland	"
Test Rig. - vacuum inner vessel	1,000	Marston Excelsior Ltd.	" delegated
Repairs to prototype vacuum vessel	1,000	"	"
Investigation - preparing niobium tin	1,000	Fulmer Research Institute Ltd.	"
Site Testing	1,250	Soil Mechanics Ltd.	"
Document reproduction	1,000	Office Services, Luton	"
Radiation Shielding Bricks	1,965	Unibrix Radiation Shielding Ltd.	"
Services of draughtsman-Cable position drawings	1,000	Kilpatrick & Sons	"
Mods. to Octant and Brackets	2,500	Newburgh Engineering Co.	Chairman GPC 30.3.61.
Contract Labour - increase	150,000	Matthew Hall & Co. Ltd.	" 14.6.61.
Consultants Engineering Staff	3,000	C. W. Glover & Partners	" 14.4.61.

Non-Capital

	Original amount shown in Estimates	Initial Request to Treasury	Latest Treasury Approval	Latest Estimate of Cost
	£000	£000	£000	£000
Nimrod Project	6,900	6,900	11,200	11,200
Phase II Buildings	380	380	389	389
Hydrogen Bubble Chamber Services	250	250	290	290
Heavy Liquid Bubble Chamber	300	420	420	420
Beam Handling Plant for Nimrod	1,000	1,000	1,000	1,000
Orion Computer	280	400	400	(3 years) 400
P.L.A. Radiochemical Laboratory and Offices	115	230	230	268
Land and 31 Houses at Didcot	60	120		120
Heavy Laboratories	75	140	140	140
Extension to Building R.2	50	243		231
Development of Parasitic Area	230			230

N.I.R.N.S.

Financial Forecast 1961-62

SCHEDULE IV

<u>Capital</u>		<u>Latest Forecast</u>		<u>Grant</u>		<u>Forecast</u>	
		<u>Notional Allocation of Treasury Grant</u>		<u>£000</u>		<u>£000</u>	
<u>1. Nimrod Project</u>				1,850		1,650	
<u>2. Buildings - Rutherford Laboratory</u>							
(a) Phase II		141		141		141	
(b) Other major schemes		471		451		451	
(c) Minor Schemes		85		85		85	
(d) Hostels, Houses and Flats		150		210		210	
<u>3. Buildings - Electron Laboratory</u>		50		10		10	
<u>4. Plant - Rutherford Laboratory</u>							
(a) Nimrod Spares		40		20		20	
(b) Other Nimrod Plant		626		296		296	
(c) P.L.A. Plant		124		106		106	
(d) Other major schemes		190*		210		210	
(e) Minor Capital Items		160		110		110	
		<u>3,887</u>		<u>3,289</u>		<u>3,289</u>	
<u>Non-Capital</u>							
<u>Rutherford Laboratory</u>							
1. Salaries and Wages, Superannuation etc.		688		788		788	
2. Travelling Expenses		25		25		25	
3. Stores, Materials and Services		515		575		575	
4. E.M.R.		60		60		60	
5. Services by A.E.R.E.		881		691		691	
6. Housing Loans		5		-		-	
		<u>2,174</u>		<u>2,139</u>		<u>2,139</u>	
<u>Electron Laboratory</u>							
1. Salaries and Wages		20		20		20	
2. Stores, Materials and Services		80		80		80	
		<u>2,274</u>		<u>2,239</u>		<u>2,239</u>	
Deduct Amounts Recoverable		16		16		16	
		<u>2,258</u>		<u>2,223</u>		<u>2,223</u>	
		<u>6,145</u>		<u>5,512</u>		<u>5,512</u>	

Buildings
Plants

Total

Forecast

Grant

Buildings
Plants

Total

Forecast

Decrease mainly due to Beam Handling Plant and Heavy
Liquid Bubble Chamber

Increased complement

Electricity charges (£110,000) will be paid under
heading 3.

*Excluding anticipated expenditure on the Oxford
Electrostatic Generator Project amounting £50,000 which (subject to final Treasury ruling) will not pass through the Institute Vote.

SCHEDULE V

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

Revenue Account for the period ended 31st March 1960
(including expenditure incurred prior to 23rd June 1958 - date of incorporation)

Salaries and Wages	£ 44,567	Grant from the United Kingdom Atomic Energy Authority to meet Recurrent Expenditure	£ 1,988,479
Employers' Superannuation Contributions	2,836	Miscellaneous Income	90
Employers' National Insurance Contributions	801		
Travel and Subsistence Expenses	5,959		
Materials and Services	534		
Research and Development by Universities and Industry	5,917		
Hostel Expenses	230		
Miscellaneous Expenses	2,268		
Supplies and Services by the United Kingdom Atomic Energy Authority	1,925,457		
	<u>£1,988,569</u>		<u>£1,988,569</u>

Capital Account as at 31st March 1960

<u>Capital Grant Account</u>		<u>Assets at cost</u>	
As at 23rd June 1958	539,276	Land and Buildings	2,217,069
Add Grant from the United Kingdom Atomic Energy Authority to meet Capital Expenditure	4,122,668	Plant and Machinery, Ancillary Installations and Motor Vehicles	656,376
Transfer of assets at valuation from the United Kingdom Atomic Energy Authority	1,000,190	Loose Apparatus, Tools, Furniture, Fittings, and Office Machinery	24,965
			<u>2,898,410</u>
		Assets in course of construction	2,763,724
	<u>£5,662,134</u>		<u>£5,662,134</u>

NOTE: Capital Expenditure authorised but not provided for in these Accounts amounted to £6,672,948 of which £3,332,446 has been committed contractually.

Bridges Chairman

J. A. V. Willis Secretary

I have examined the above Accounts. I have obtained all the information and explanations that I have required, and I certify, as the result of my audit, that in my opinion the above Accounts are correct.

E. G. Compton,
Comptroller and Auditor General.
Exchequer and Audit Department,
11th May 1961.