

Mr P. Bowers
R1

RUTHERFORD LABORATORY BUILDING COMMITTEE

RL BC.M.56

Minutes of the meeting held in No. 1 Conference Room Building R.1 on Monday 2nd September, 1963.

Present: Mr. J.C. Louth Chairman
Mr. G.W. Dixon
Mr. A. Miller
Mr. M. Snowden

In Attendance Mr. R.G. Bowers
Mr. K.H. Choate
Mr. D. Flynn
Mr. J.A. Goode
Mr. A. Hancock
Mr. D.A. Harrison
Mr. G.N. Venn
Mr. W.W. Woodal
Mr. E.H. Young. Secretary.

ACTION

1. Minutes of the previous meeting The minutes of the previous meeting should be amended as follows:-

Progress Statement List A Sheet 3 - item No. 60 Hydrogen Ventilation Scheme - in remarks Column delete the word "Deferred". With this amendment the minutes were confirmed.

2. Matters Arising

(1) The chairman said that the statement of current design work called for in Min. 2 para 3 was now to hand. (Letter KHC/MJT dd 19 Aug 63 refers).

(A) The Committee considered this statement and the following conclusions were agreed.

Job 6685 - New Entrance to Magnet Room - design work must continue in order that work may be taken in hand as quickly as possible when approval is forthcoming.

Job 6695 - Chilton Pond Enlargement - Mr. Choate reported that this Scheme is ready for discussion. It is to be tabled at the next meeting.

Job 6701 - Link Road to R.5 and R.6 - This project will not now go forward as originally planned. If the new entrance to the magnet room is now approved the entrance to Tunnel 8 will not be required. The lavatory is already designed and would be proceeded with as soon as approval is given. S.W.O. was asked to provide an estimate for the link road omitting the entrance to Tunnel 8.

Mr. Choate

Job 6702 - Injector Room Entrance - Design work to be completed.

Job 6703 - Low Background Counting Cellar - Mr. Hancock said this scheme was out to tender and could be put in train at once an approval being given.

withheld
now.

Job 6710 - Hydrogen Target Building - Mr. Choate considered that the design work for this scheme should be integrated with that for other projects involving excavation and mounding - this particular project called for a supply of spoil for mounding which could be made available from excavations in connection with other projects. It was agreed that design work should proceed.

ACTION

(B) It was further agreed that design work for the following projects must go forward to completion:-

- Job 6684 - Helium Bubble Chamber Plant Room (NOTE Clearance to proceed with this building has since been given).
- Job 6692 - Heavy Plant Store
- Job 6705 - Vapour Dump Receiver
- Job 6709 - Ventilation to Parasitic Area
- Job 6698 - Converter Hall Ventilation (minor works).

In the case of Job 6698 - Converter Hall Ventilation, the committee agreed that this work must be treated as urgent.

(C) Mr. Woodall reported that resumption of work had been authorised on Jobs 6698 (Gatekeepers Lodge) and 6707 (Seeding NIMROD Area).

(D) Job 6671 - Increased electricity supplies - This scheme has been cancelled.

Job 6704 - Irradiation Building - this scheme provides for an irradiation building for Radiation Protection Group. Mr. Snowden said that there was little design work left to be done, and that the project had no urgency in the light of current financial restrictions.

Job 6708 - Proposed Extension to Converter Hall (R.4) - The Chairman said that design work on this must proceed.

Job 6698 - Roads and Fencing South of R.33 - This work will remain in abeyance pending the decision on the Building R.33 project.

With reference to para 6 of the Mr. Choates letter the Chairman stated that he did not accept the 2nd alternative suggested procedure and if satisfactory negotiation could not be achieved with the lowest tenderer than a re-tendering exercise should take place. But in any case an early decision on this particular building was unlikely.

(E) Job 6692 - Heavy Plant Store - In considering the reference to this project in Mr. Choates letter the Chairman said that the General Purposes Committee had already approved it. It was hoped that the present embargo would be lifted in time for work to commence in March 1964.

(2) Statement of Building Staff on Site This had been promised by Mr. Nott (See in 6 of previous meeting). Mr. Guthbert said that the figures had been prepared but that they did not necessarily reflect any trend directly resulting from the "slow-down" of building operations ordered on July 1st. Overall there had been a reduction of approximately 33 $\frac{1}{3}$ % of both building and M and E labour.

3. Minor Works Orders MWO. P114 was distributed, considered and accepted.

4. Progress on Existing Schemes - See schedules A B and C attached to these minutes.

5. Date of Next Meeting - The next meeting of the Building Committee will be held in Conference Room No. 4 at 9.00 a.m. on Monday 7th October, 1963.

E.W. Young
Secretary

Rutherford Laboratory.
9th September, 1963.

Rutherford Laboratory Building Committee - Progress Statement No. 56
Incomplete Projects.

Sheet

List A

Sheet 1

| Item No. | Description. R.L.B.C. Paper Numbers. Sponsor. Project Officer. | R.L.B.C. Approval to:- | | Financial Approval. | | I.T.P. issued. | | Latest A.F.C. | | Percentage of Work:- | | Completion Date:- | | Remarks |
|----------|--|---|--------------------------|--|-------|--|---------|----------------------|---------|--|------|-------------------|---------|---|
| | | Prelim. Scheme | Developed " Control Est. | Source. | Date. | Amount. | Number. | Date. | Amount. | Fees. | Date | Target. | Actual. | |
| 13 | Treatment of Main Spoil Heap. P.55. | 3. 12. 59. 12. 5. 60. | | D.P. 29. 3. 62. | | 744 4. 4. 62. £19,250 | | 5. 3. 63. £19,250 | | Building 85 M.&E. Building 95 M.&E. | | 97 3/4 | | Cable work is holding up completion of work |
| 15 | Lecture Theatre Mr. Snowden Mr. Harrison | 7. 1. 60. 2. 7. 62 | | L.O. 26. 11. 62. | | 745 6. 12. 62. £41,200 £5,500 | | 4. 3. 63. £41,200 | | Building 0 M.&E. 0 Building 40 M.&E. 8 | | 1. 2. 64. | | Handover expected to be on 2nd. March, 1964. Mr. Louth will consult Mr. Bowles on this |
| 17 | Street Lighting P. 28. Mr. Hadley Mr. Tolcher | 3. 12. 62. 4. 2. 60. 11. 8. 60. 11. 8. 60. | | £47,700 D.P. 25. 8. 60 £9,200 | | 724 8. 2. 62. £9,000 £1,000 | | 31. 8. 63. £9,000 | | Building - M.&E. 95 Building - M.&E. 90 Building M.&E. Building M.&E. | | 31. 8. 63. | | Standards installed on Fermi Ave but not yet wired. Additional standards now required. |

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|----------|--|--|------------------------|-------------------------|---------------------|------|----------------|---------|---------------|---------|----------------------|------|-------------------|-------------------------|--|----------|
| | | | Prelim. Scheme | Developed "Control Est. | Source | Date | Amount. | Number. | Date. | Amount. | Fees. | Date | Amount. | Measured and Re-priced. | | |
| 30 | R.2 Extension | | 1. 12. 60. | | T. | | 743 | | 31. 8. 63. | | Building 6 | | 31. 1. 64. | | Handover of 3 floor section expected beam 31. Oct 64. Cost reviewed, may be a saving of up to £3,000 on this project <i>Possible saving of £5000.</i> | 30 |
| | P.37 | | 1. 12. 60. | | 10. 8. 61. | | 4. 3. 63. | | | | M.&E. 0 | | | | | |
| | Dr. Hobbs | Mr. Louth | 18. 8. 61. | | £221,000 | | £195,000 | | £195,000 | | Building 85 | | | | | |
| | | | | | | | £28,000 | | | | M.&E. 70 | | | | | |
| | | | | | | | | | | | Building | | | | | |
| | | | | | | | | | | | M.&E. | | | | | |
| | | | | | | | | | | | Building | | | | | |
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| | | | | | | | | | | | Building | | | | | |
| | | | | | | | | | | | M.&E. | | | | | |
| 40 | Experimental Area Extension including Helium Bubble Chamber Plant Building | | 5. 4. 61. | | L.O. | | 751 | | 2. 9. 63. | | Building 10 | | | | Completion date of combined scheme now under review. <i>(see Feb.)</i> | 40 |
| | P. 53 | | 6. 6. 61 | | 28. 11. 61 | | 11. 6. 63. | | | | M.&E. 0 | | | | | |
| | Mr. Snowden | Mr. Walker | 6. 3. 62 | | £71,500 | | £63,500 | | £63,500 | | Building Mech. 90 | | | | | |
| | | | | | | | £9,300 | | | | Fleet 45 | | | | | |

Rutherford Laboratory Building Committee - Progress Statement No. 56
List A
Incomplete Projects.

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|----------|--|------------------------|-------------|--------------|---------------------|------------|-----------|----------------|------------|----------|---------------|-----------|----------------------|--|--------------------------|---------|--|----------|
| | | Prelim. Scheme | Developed " | Control Est. | Source. | Date. | Amount. | Number. | Date. | Amount. | Fees. | Date | Amount. | Measured and Re-priced. | Completed. | Target. | | |
| 46 | Additional Roads and Car Parks. P.49. Dr. Valentine Mr. Harrison. | 30. 3. 61. | 9. 5. 61. | 9. 5. 61. | L.O. | 26. 1. 62. | £55,500. | 742 | 8. 2. 62. | £49,000. | £6,500. | 4. 3. 63. | £47,000. | Building 60 M.&E. 40 | | | | 46 |
| 48 | Atlas Computer Building. R.27. | 5. 3. 62. | 10. 9. 62. | 10. 9. 62. | T. | 14. 6. 62. | £320,000. | 755 | 1. 2. 63. | £253,000 | £42,000. | 4. 3. 63. | £253,000 | Building 2. M.&E. 0. Building 65 M.&E. 12 | 31.1.64. | | | 48 |
| 51 | Substation No.14. P.88. Mr. Simmonds. Mr. Hadley. | 5.12. 61. | 5. 2. 62. | 3. 9. 62. | L.O. | 13. 7. 62. | £44,000. | 764 | 11. 7. 62. | £38,200. | £5,800. | 4. 3. 63 | £38,200. | Building 0 M.&E. 0 Building 80 M.&E. 5 | 31.12. 63. | | | 51 |
| 54 | Fire Alarm System. | | | | D.P. | 21. 3. 62. | £10,000. | 761 | 2. 7. 62. | £4,700. | £700. | 63 | £4,700. | Building M.&E. 65 | | | Completion date under review | 54 |
| 55 | M.V. Site Power Distribution. P.65, 77 and 97. Mr. Simmonds. Mr. Hadley. | 12. 9. 61. | 5.11. 62. | | L.O. | 28.11. 62. | £74,000. | 760 | 3.12. 62. | £64,500. | £9,500. | 4. 3. 63 | £64,500. | Building 0 M.&E. 0 Building 92 M.&E. 70 | 25.10.63. (2nd Phase) | | Completion of 1st Phase:- 1st Transformer 14th Sept. 63 ✓ 2nd " " 21st Sept. 63 ✓ 3rd " " 19th Oct. 63 with ✓ 4th " " 20th Oct. 63 temporary connections ✓ Mr. Venn will discuss details with SVO | 55 |

Rutherford Laboratory Building Committee - Progress Statement No. 56
List A
Incomplete Projects.

| Item No. | Description | R.L.B.C. Approval to:- Prelim. Scheme Developed .. Control Est. | Financial Approval. Source. Date. Amount. | I.T.P. issued. Number. Date. Amount. Fees. | Latest A.F.C. Date Amount. | Percentage of Work:- Measured and Re-priced. Completed. | Completion Date:- Target. Actual. | Remarks | Item No. |
|----------|---|--|--|--|----------------------------------|---|--|--|----------|
| | | | | | | | | | |
| 56 | R.18. Extension. P.84. Mr. Simmonds. Mr. Hadley. | 7. 5. 62. 3. 9. 62. 1. 10. 62. | L.O. 25.10. 62. £48,300. | 763 1.11. 62. £42,000. £6,300. | 15.10. 62. £42,000. | Building 0 M.&E. 0 Building 75 M.&E. 15 | 30.9.63. ✓ (2nd Phase) | | 56 |
| 58 | Extension to R.8. P.95. Mr. Louth. Mr. Louth. | 1.10. 62. 1.10. 62. 1.10. 62. | D.P. 29.10. 62. £5,000. | 768 8.11. 62. £4,300. £645. | 5.11. 62. £4,300. | Building 0 M.&E. 0 Building 77 M.&E. 10 | 30. 9. 63. ✓ (1st Phase) 14. 11. 63 ✓ (2nd Phase) | | 58 |
| 21 A | Heavy Liquid Bubble Chamber Annex. (Propane Receiver) P.69. Mr. Snowden. Mr. Ashburn. | 6.11. 61. | T. 30. 5. 60. £41,000. | 716 11. 6. 63 £34,700 £4,500. | 11. 6. 63 £34,700. | Building 0 M.&E. 0 Building 0 M.&E. 0 | 31.12.63. Increased ITP on Propane Receiver ✓ | | 21 A |
| 59 | Electronics Laboratories and Office Block. R.33. Mr. Woodall. Mr. Goode. | 3. 9. 62. | | | | Building M.&E. Building M.&E. | | In abeyance. This project will be considerably revised before re-introduction. ✓ | 59 |

Rutherford Laboratory Building Committee - Progress Statement No. 20
Incomplete Projects.

List A

| Item No. | Description. | R.L.B.C. Approval to:- Prelim. Scheme Developed " " Control Est. | Financial Approval. Source. Date. Amount. | I.T.P. issued. Number. Date. Amount. Fees. | Latest A.F.C. Date Amount. | Percentage of Work :- | | Completion Date :- Target. Actual. | Remarks |
|----------|---|---|--|--|----------------------------------|-------------------------|-------------------|--|--|
| | | | | | | Measured and Re-priced. | Completed. | | |
| 65 | Low Background Laboratory for Radiation Protection Group P107 Mr. Snowden Magnet Room Entrance | | | 775 11. 6. 63 £9,700 £1,450 | | | Building M.&E. | | Deferred |
| 66 | Mr. Louth | | | | | | Building M.&E. | | Deferred |
| 67 | Site Power Distribution Sub 13 P 111 Mr. Simmonds Chilton Pond enlargement scheme | | | 776 11. 6. 63 £14,500 £ 2,200 | | | Building M.&E. | | Scheme now prepared by S.W.O. for discussion |

THIS SECTION OF THE PROGRESS STATEMENT IS NOT TO BE USED FOR THE PREPARATION OF THE PROGRESS STATEMENT

Rutherford Laboratory Building Committee - Progress Statement No. 56
List B. Completed Works - Awaiting Final Costs.

| Item No. | Description | | Financial Approval. | | I.T.P. issued | | Latest A.F.C. | | Percentage of Work Measured and Re-priced. | | Latest S.W.O. Statement. | | Construction Completed Date. | Remarks |
|----------|---|------------------|---------------------|----------|---------------|-------------|---------------|---------|--|---------------------|----------------------------|------------|--|---------|
| | Sponsor. | Project Officer. | Source Date | Amount | Number Date | Amount Fees | Date | Amount | Measured and Re-priced. | Date | Expenditure excluding fees | | | |
| 22 | Trench for Counting Cables | | D.P. | | 719 | | 1. 5. 62 | | Building 100 | 25. 5. 63 | | 31. 7. 62. | | |
| | Mr. Hadley | Mr. Hadley | 25. 7. 60. | £9,775 | 13. 9. 61. | £9,500 | | £9,500 | M.&E. 90 | £6,762 | | | | |
| 29 | Sub-station No.13. | | D.P. | | 726 | | 30. 3. 62. | | Building 95 | 4. 3. 63. | | 30. 5. 60. | | |
| | | | 7.10.60. | £31,000 | 16. 4. 62. | £27,000 | | £27,000 | M.&E. 90 | £98,447 with Item 2 | | | | |
| 28 | Heavy Laboratory R.25 (& Water Cooling Plant) | | T | | 748 | | 4. 2. 63 | | Building 99 | 25. 5. 63 | | | | |
| | | Mr. Harrison | 3. 12. 62 | £130,500 | 12. 12. 62 | £116,500 | | | M.&E. 99 | £172,074 | | | | |
| 31 | New Office Block R.25 | | T | | 749 | | | | Building 99 | | | | | |
| | | Mr. Harrison | 3. 12. 62 | £91,500 | 6. 12. 62 | £82,500 | | | M.&E. 99 | | | | | |
| 33 | Centralised Cooling Water Scheme | | P.P. | | 740 | | 18. 5. 62 | | Building 75 | 25. 5. 63 | | 31. 8. 62 | Hand-over reservations to be completed | |
| | P50. | Mr. Bowles | 21. 4. 61 | £17,250 | 8. 2. 62 | £16,000 | | £19,000 | M.&E. 95 | £11,604 | | | | |

Rutherford Laboratory Building Committee - Progress Statement No. 56

Sheet 10

Idst C - works completed and re-priced, but awaiting closure of account

Sheet 10

| I.T.P. No. | Project | Existing I.T.P. | | Latest A.P.C. Amount | Fees | Cash to 6. 5. 63 Including Retention Project | Date Completed | Remarks |
|------------|--|-----------------|-------------------------|----------------------|---------|--|----------------|---------|
| | | Date | Amount Fees. | | | | | |
| 721 | Gas and Water Mains | 8.2.62 | £5,500 (£5,445) £650 | £5,445 | £880 | £3,752 | 11. 7. 61 | £547 |
| 725 | P.L.A. Radio Chemical Laboratories | 16.4.62 | £238,000 £35,000 | £238,000 | £38,000 | £196,000 | 31.10.62 | |
| 737 | Modifications to Surface Water Drainage | 8.2.62 | £8,500 £1,000 | £8,000 | £1,400 | £4,848 | | |
| 741 | Plant Store, R.24 | 25.8.61 | £39,000 £2,000 | £39,000 | £4,500 | £37,883 | 4.12.61 | £4,522 |
| 712 | Boundary Fence | 9.2.60 | £1,800 £200 | £1,800 | £350 | £1,606 | | |
| 713 | New Steam Mains | 16.9.60 | £28,000 £4,000 | £28,000 | £4,300 | £27,937 | 25. 4. 61 | |
| 730 | R.20 Extension | 24.5.61 | £14,980 | £13,820 | £3,000 | £13,495 | 1. 4. 63 | |
| 754 | Plant Storage Space in Experimental Area | 8.2.62 | £1,700 £250 | £1,700 | £310 | £1,500 | | |