

W. P. Bowles
R.I.

ES8

RLBC/Lt. 39.

Rutherford Laboratory Building Committee

Minutes of the meeting held in the Conference Room,
Building R.1 on Monday, 5th March, 1962.

Present : Mr. F. Bowles - Chairman
Mr. C.W. Dixon
Mr. A. Miller
Mr. G.N. Venn
Dr. J.A.V. Willis

Visitor : Mr. R.J. Burleigh - Berkeley University,
California.

In attendance :

Mr. K.H. Choate
Mr. A.H. Fryer
Mr. J.A. Goode
Mr. G.M. Harbert
Mr. D.A. Harrison
Dr. J. Howlett
Mr. J.B. Marsh
Mr. J.A. Nott
Mr. G.E. Simmonds
Mr. A. Shackelford - Secretary.

Action

1. Minutes of the last meeting - RLBC/M.38.

The minutes of the previous meeting, held on 5th February were accepted, subject to the following correction :-

Minute 4, para. 6, line 1. delete 'Project Committee and insert 'General Purposes Committee'.

2. Atlas Computer Building.

Mr. Choate tabled prints of a new scheme, providing reduced accommodation as agreed with the Atlas Computer Committee. The scheme met with general approval, but Mr. Simmonds raised objection to the location of the Battery Room which was not adjacent to an outside wall. Mr. Choate agreed that he had foreseen this objection but Ferranti had been insistent that it should be in this position in relation to their plant. The Chairman reminded the committee that several incidents had occurred at Harwell due to inadequate ventilation of battery rooms: it was agreed that this situation must be avoided, if at all practicable. Mr. Choate was asked to raise the matter again with Ferranti; if ducts have to be provided they must be arranged so as to give natural ventilation and not be dependent upon electrically driven fans.

Mr. Choate

Mr. Choate ✓ The siting indicated was agreed and Mr. Choate will produce a final plan. It was also agreed that fencing will not be required, but the boundary should be defined by a suitable hedge.

Mr. Choate ✓ Mr. Choate will prepare an estimate, based upon this new scheme within fourteen days. This should prove to be the Project Estimate.

Mr. Choate ✓ Instructions were issued to S.W.O. to proceed with working drawings.

3. P.L.A. Extension.

Mr. Nott ✓ Mr. Marsh reported that the scheme was still financially within the estimate. The 'whip' in the workshop crane had not yet been corrected and this must be pressed forward. General occupation had been given on 15.2.62. and occupants of the new workshop was promised by 15.3.62. The road was completed up to the Stores, but not yet to the main entrance.

Mr. Nott ✓ Mr. Nott explained that strong winds and low temperatures had held construction work, which was now behind programme. He was now aiming at balancing during the month of August and offering the single storey block for hand-over on 31st August, 1962. It was agreed that the cost of any frost precautions necessary on concrete work, would be met.

4. Extensions to R.9 and R.18.

Mr. Simmonds ✓ Mr. Simmonds is going very fully into schemes for these two projects and hopes to present a paper at the next meeting.

5. Mezzanine Floor in R.8.

Mr. Harrison ✓ At a special meeting held on 20th March, to discuss RLBC/P.78. (a proposal to increase the floor area available for Vacuum Group Laboratories), it was decided to submit a case for erection of a mezzanine floor in the north bay of R.8. similar to that in use in R.9. but covering only three-quarters of the length of the building.

Mr. Goode ✓ The Chairman asked that the estimate should allow for the floor being covered, and said that ventilation must be considered very carefully.

6. Treatment of Main Spoil Dump

✓ Mr. Choate has now received tenders for this work and the lowest offer, at £12,750, excluding grass seeding, but not fencing, appears to be acceptable. Mr. Choate will add to this a sum of £1,000 to cover expenditure by Jellicoe in supervising the operation. All surplus spoil will be removed from the site.

- Mr. Choate has discussed a fencing scheme with Mr. Snowden.
- Mr. Choate ✓ The anticipated final cost on this project is £19,500, which is within the sum previously envisaged.
- Dr. Willis ✓ The estimate includes a sum of £4,000 for seeding and Dr. Willis will see if this can be dispensed with and have this work done by Grounds Staff.
- Dr. Willis ✓ It was agreed that this scheme should be put before the G.P.C. and the Chairman asked that the paper which is presented shall include some explanation of the relatively high fees involved.
- Dr. Willis ✓ It was agreed that Record Photographs should be obtained, showing the mound in its present condition, so that this expenditure can be justified, if questioned at some future date.

7. Site Power Distribution - RLBC/P.77.

- Mr. Simmonds ✓ Mr. Simmonds had prepared his paper for submission to the G.P.C. but wishes to discuss the High Voltage end of the scheme with Mr. Harbert.

Connection of our demand will load the A.E.R.E. 132 KV. supply to above the maximum guaranteed, and N.I.R.N.S. may therefore have to accept load shedding to suit A.E.R.E. essential requirements.

Mr. Harbert said that his estimate will not exceed ✓
£60,000.

8. Roads Construction - RLBC/P.76.

- Mr. Harrison ✓ There was nothing new to report on this item, since insufficient rain had fallen since the last meeting to enable 'ponding' to be defined.

9. R.2 Extension.

- Mr. Louth ✓ The breakdown estimate, at ^{193,000} £198,000 is now with Mr. Louth. Mr. Miller has issued an I.T.F. for that amount.

- Mr. Harbert ✓ Mr. Choate was satisfied that he had been given a clear indication of the Clients requirements before preparing his estimate, but Mr. Harbert was still doubtful of the trend that M. & E. estimates would take when tenders are received.

- Mr. Nott ✓ Mr. Nott hopes to hand over the site to Chivers during the present week, and will then review his programme. The alternative access to the Control Building will be made available before the existing main entrance is closed off.

Mr. Nott will give advance warnings, to Dr. Willis, of all periods of road closures and to Mr. Louth and Mr. Simmonds, of all interruptions to any services, so that any alternative provisions made necessary can be arranged in advance. ✓

10. Roads and Roundabouts.

Mr. Choate tabled a new plan for Road 7, with the road shown as edged by a double curb, set back to back, "cats eyes" were indicated down the road centre line. The roundabout was omitted from this scheme. The estimate for this new scheme is £2,500, which compares with £5,000 for the scheme which Mr. Johnson presented at the previous meeting.

It was agreed that this scheme should proceed and an I.T.P. has been issued.

Mr. Bowles
Dr. Willis

The Chairman and Dr. Willis will discuss the method of traffic control at the junction of Road 7 and Fermi Avenue with A.E.R.E. before the next meeting.

Mr. Harbert advised the committee that traffic lights could be hired for £60/week.

11. Access to Laboratories on North side of R.1 Extension.

More traffic is now expected to approach the large doors opening into the laboratories on the north side of R.1. Extension than was originally envisaged and it now appears advisable to provide a permanent roadway to serve these doors. Mr. Choate tabled a sketch plan showing a road running along the north side of the building and continuing westward, in a straight line, to meet the perimeter of Car Park "E", so that vehicles could approach by driving across the Car Park, a turning spur at the western end being provided. An approximate estimate for this scheme is £3,000.

Mr. Louth
Dr. Stafford

Mr. Louth and Dr. Stafford are to be asked to assess the need for this road and to submit a paper for discussion at a future meeting, or agree at a special meeting if urgency justifies.

12. Parasitic Area Extension.

Mr. Harbert has agreed with Mr. Snowden that the crane capacity shall be increased to 20 tons.

13. Lecture Theatre.

Mr. Choate said that his preliminary estimate was £115,000, but he wants to discuss this further with Mr. Snowden and to re-examine the whole scheme.

Mr. Bowles
Mr. Choate

The Chairman felt that this figure was much too high, £75,000 to £80,000 was probably the maximum which may prove acceptable to Treasury. Mr. Bowles and Mr. Choate will discuss this separately before the next meeting.

14. Plant Store - R.24.

Mr. Goode presented a detailed report on the functional suitability of this building, the final cost of which worked out at £2.7 per square foot including all services, heating is good and lighting, both natural and artificial, is adequate. The building was proving adequate for its purpose.

Mr. Dixon was not pleased with the architecture of the building.

Mr. Choate ✓
Mr. Nott

S.W.O. and Construction Group are also preparing reports and these will be combined with the present paper, to form a final report.

✓ 15. Standard Signs.

Mr. Harrison tabled a drawing showing details of a form of sign and lettering which it was proposed to adopt for site buildings, roads, car parks etc. the signs to be fabricated in perspex in some cases and in embossed steel, stove enamelled in others. The estimated cost of this scheme was quoted as £750.

Mr. Harrison ✓

Mr. Choate asked if a sample sign could be produced, for inspection, before reaching a decision.

The Chairman said that the type of sign selected must be such that maintenance was kept to the minimum practicable. He suggested that the type of sign in use at Bracknell should be considered.

Mr. Dixon, as Architect, would decide which was the best proposal

16. Buildings for Temporary Purposes.

Mr. Harrison ✓

The Chairman asked Mr. Harrison to design a suitable type of building, to meet the occasional need which arises, to house generators, pumps etc. for relatively short periods.

17. R.1. Extension - Orion Bay.

Comment was passed on the doorway, at first floor level, in the end wall of R.1. extension. Mr. Choate explained that this was provided as a means of getting bulky equipment to the laboratories on the first floor, by means of lifting tackle on a retractable beam.

Mr. Choate ✓

The Chairman asked that this feature should be reviewed.

18. Minor Works Orders.

Mr. Venn presented a statement of minor works orders issued up to 17.2.62.

19. Date of next meeting.

The next meeting will be held in Mr. Bowles' Office,
Building R.1. on Monday, 2nd April at 9.00 a.m.

A. Shackleford.

Building R.1.,
Rutherford Laboratory,
12th March, 1962.