

BRITISH BIOPHYSICAL SOCIETY

Minutes of the twelfth meeting of the Committee

The twelfth meeting of the Committee was held at 2.40 p.m. on Thursday, 1st October, 1964 in Professor M.H.F. Wilkins' room, Biophysics Department, King's College, 26-29 Drury Lane, London, W.C.2.

Present: Dr. J.C. Kendrew (Chairman)
Dr. S. Brenner
Dr. W.B. Gratzer
Dr. P. Johnson
Dr. D. Noble
Professor M.H.F. Wilkins
Professor R.E. Burge (Meetings Secretary)
Dr. P.M.B. Walker (Hon. Treasurer)
Professor D.D. Eley (Hon. Secretary)

Apologies for absence were received from Dr. Keynes and Professor Dainty.

64/28 Arising from Minutes of Eleventh Meeting ; from Minute 64/12

It was reported that application had been made to the Royal Society on behalf Professor Sonneborn, in place of Dr. Ehret.

From 64/21. An Annual Review of Biophysics. After some discussion, the Committee decided to look into an occasional publication of this character, and Dr. Gratzer, with Dr. Brenner's and Dr. Noble's assistance, was asked to prepare an outline of contents for 3 or 4 volumes of 300 pp. each, for consideration at the A.G.M.

From 64/25. Professor J.D. Bernal had accepted the invitation to become an Honorary Member of the Society; to be announced at the A.G.M.

From 64/18. A letter from Mr. McAnuff, Nuffield Foundation to Sir John Randall, stated that no funds could be made available for a Summer School in Biophysics.

64/29 Biological Council. It was decided to accept an invitation to join the Biological Council.

64/30 Income Tax. The Treasurer stated that after the Society had run for 3 or 4 years the Income Tax Commissioner would consider putting the B.B.S. on its list for an allowance.

64/31 Committee Nominations. It was agreed to put the following to the A.G.M.

Officers: Hon. Secretary: Prof. R.E. Burge.
Meetings Secretary: Dr. A.R. Peacocke (Biochemistry Dept.,
Oxford University).
Treasurer: either Dr. A.C.T. North (Royal Institution) or
Dr. J.D. Coombes (Pfizers, Ltd) in that order.

Committee: Prof. D.D. Eley and 2 from: Dr. N. Symonds (Microbial Genetics Unit, Hammersmith Hospital), Prof. J.M. Mitchison (Zoology Dept., Edinburgh) Dr. J.B. Finean (Reader in Biophysics, Birmingham) and Dr. R.W. Horne A.R.C. Institute for Animal Physiology, Babraham, Cambridge), to be approached in that order.

64/32 Agenda for A.G.M. Besides the usual formal items the three matters raised at the last A.G.M. (see Committee Minutes 64/4) will also be on the Agenda. The latter will include the question of an Annual Review of Biochemistry.

64/33 Agenda for Committee. The topic of Membership should be considered at the next meeting, in the light of an analysis to be provided by the Treasurer.

Dr. Brenner suggested that regional meetings might aid in recruitment.

64/34 Physical Biochemistry Group. The meeting on "the Use of Electron Spin Resonance Spectroscopy in Biological Studies", held on 17th September, 1964, in the Biophysics Department, King's College London, was a success; four papers were read (including an introductory paper) and about 40 people attended.

64/35 W.B. Hardy Symposium, 16-17th June, 1964, in Cambridge.

A successful two-day programme of lectures, visits and a dinner (at Caius College) was held.

64/36 Future Meetings

a) "Morphogenesis and Differentiation in Relation to Cellular Fine Structure", Imperial College, 8-9th January, 1965.

The list of participants is appended to the minutes. It was proposed to invite Prof. Sonneborn of Indiana to give an Introductory Lecture, and it was agreed if necessary to pay Prof. Sonneborn's air fare and subsistence, assuming the other speakers would not require any financial assistance.

It was agreed to fix the A.G.M. for 12 noon on 9th January, 1965.

b) "Haemoglobin and Myoglobin", Cambridge, 8-9th April, 1965.

A verbal report from Dr. Perutz stated arrangements were proceeding successfully.

Dr. Johnson asked the local organiser to arrange for overnight accommodation to be available for 7th April, for people attending the Physical Biochemistry Group Meeting on that day (on the Physical Chemistry of Separation Methods). The Committee suggested that Dr. Perutz should be asked to contact Dr. Gratzer about possible publication of this Symposium in the 'Occasional Publications' series.

c) "Stereochemistry and Conformation of Biological Macromolecules", Queen Elizabeth College, London, December, 1965.

It was agreed to have the following arrangements:

first day: Prof Burge's symposium; second day with a possible third day: Prof. Wilkins' meeting on "Molecular Model Building". In view of the need to include a section on Computer Calculations Prof. Eley was asked to withdraw his section on

N.M.R. and E.S.R. for a later meeting, and to write Prof. R.E. Richards and Dr. Whiffen to this effect. Dr. Kendrew suggested that Mossbauer studies (Dr. Marshall, Harwell) should be included in any Resonance Meeting.

It was agreed to arrange an exhibition of Molecular Models at this meeting.

d) "Excitable Tissues", 14-15th April, 1966, Oxford.

Dr. Noble reported Balliol could give accommodation and all meals at 35/- a day (including lunch) and it was agreed to accept this. The organising committee was given full responsibility for the scope of the meeting, and the proposal to have 30 minute review papers was accepted. It was agreed the Society might provide a total of £150 in speakers expenses.

e) "Genetic Code and the Origin of Life", December 1966.

It was agreed to leave this over, and to consider 'Resonance Techniques in Biophysics' as a possible alternative title.

64/37 Style of Meeting Sub-Committee

Since it had been agreed to restrict contributed papers to the subject of the symposia, it was decided there was no further matter for this Sub-Committee, which was disbanded.

64/38 Summer School Sub-Committee

The Committee considered the report from Dr. Brenner attached to these minutes, and the proposal that there should be a Summer School for second year undergraduates at the end of their summer term, for 40-60 people for 2 weeks, at an estimated cost of £2000. It was agreed that Dr. Kendrew or Prof. Wilkins could consult Sir Harold Hainsworth, as to a possible source of finance, viz. £10,000 to run the school for 5 years. Discussion of an additional proposal to seek finance (£250 per student) to send 1 or 2 students to the Phage Course at Naples was postponed for further consideration.

64/39 International Organisation of Pure & Applied Bionphysics, June 1964

Dr. Kendrew reported that 2 meetings were planned

- a) Some Aspects of Molecular Biology, Naples, Summer, 1965,
- b) A Plenary International Conference at Vienna, September, 1966.

64/40 Physical Biochemistry Group

Future Meetings are:

"Electronic States of Proteins", Dr. Herzenberg, at King's College, London, 16th January, 1965,

"Physical Chemistry of Separation Methods", Dr. P. Johnson, at Cambridge, 7th April, 1965.

64/41 Prof. Eley's Secretary

In view of the assistance given to the Society by Mrs. D.M. Griffiths, the Committee, on the recommendation of Prof. Eley agreed to send her a cheque for £10/10/- as a wedding present.

64/42 Date of next meeting

To be held at the Faraday Society, 6 Gray's Inn Square, at 2.30 p.m.
on Thursday, 11th February, 1965.

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List of participants: "Morphogenesis & Differentiation in Relation to Cellular Fine Structure", 8-9th January, 1965, Imperial College London.

(Minute 64/36a)

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| <u>R.J. Martinez</u>
(Univ. of California LA) | The morphogenesis of bacterial flagella. |
| <u>J. Heslop-Harrison</u>
(Univ. of Birmingham) | Aspects of plastid morphogenesis. |
| <u>P.C.C. Garnham, F.R.S.</u>
(Univ. of London) | Significance of certain organelles in the motile stages of Malaria parasites with special reference to morphogenesis. |
| <u>P.R. Bell</u>
(Univ. of London) | Factors relating to morphological changes from gametophyte to sporophyte in the Ferns. |
| <u>J. Crawley</u>
(John Innes Institute) | Cell differentiation in acetabularia. |
| <u>D.H. Northcote</u>
(Cambridge) | Fine structure and development of cambial tissue in plants. |
| <u>Birnstiel</u>
(Edinburgh) | Function of various types of RNA in the development of the greening chloroplast in unicellular algal. |
| <u>C.H. Waddington</u>
(Edinburgh) | Effect of mutant genes on the development of a subcellular organelle: the drosophila rhabdomere. |
| <u>Randall, Warr, McVittie & Hopkins</u>
(Univ. of London) | Morphogenesis of cillia and flagella. |

MHF Welkin 11 Feb 65.