

# *Society for Developmental Biology*

SOUTHAMPTON MEETING 5th-6th JANUARY, 1968

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The eleventh meeting of the Society will be held in the Department of Zoology at the University of Southampton, on Friday 5th and Saturday 6th January, 1968.

Papers will be read in the lecture theatre of the Chemistry Department. Morning coffee and afternoon tea will be taken in the Zoology Department Museum.

**Accommodation** has been reserved in Glen Eyre Hall (see location maps). The charge is 27/- per night bed and breakfast and is inclusive of gratuities. Coffee, *but not dinner*, will be available on the night of Thursday, 4th January. Breakfast is at 8.15-8.45 a.m. and rooms must be vacated by 10.0 a.m. on Saturday, 6th January. The telephone number for contacting participants is Southampton 68139.

**The Society Dinner** will be held on Friday evening at 7.30 p.m. preceded by sherry at 7.0 p.m. The charge is 33/6d. per head (inclusive of sherry, wine and gratuities). A limited bar will be available from 9.0-11.0 p.m.

Bookings for accommodation, the Society dinner, lunch on Friday, tea and coffee, must be made on the enclosed form. This should be sent, together with cheques, to the local secretary (Dr. A. E. Wild, Department of Zoology, University of Southampton, Southampton SO9 5NH. Tel. No. Southampton 56331, Ext. 717) *before the 13th December, 1967.*

**The next Meeting of the Society** will take place in the Department of Zoology, Glasgow University, on July 16th-18th, 1968. This will be a joint meeting with the Society for Experimental Biology. It is intended to hold sessions on Morphogenesis in Lower Plants, the Ontogeny of Animal Behaviour and Aspects of Mammalian Development.

## PROGRAMME

Friday, 5th January

### Session 1

Chairman: Professor L. Brent

- 9.15 M. J. ORD (Department of Zoology, University of Southampton and Toxicology Research Unit, M.R.C., Carshalton).  
The reactivity of *Amoeba proteus* with mutagens and other agents during the cell cycle.
- 9.45 FU-SHIANG CHIA (Dove Marine Laboratory, University of Newcastle-upon-Tyne).  
The incorporation of  $H^3$  Thymidine and  $H^3$  Uridine in starfish oocytes.
- 10.30 COFFEE.
- 11.00 RUTH M. CLAYTON, J. C. CAMPBELL and D. S. TRUMAN (Institute of Animal Genetics, University of Edinburgh).  
The antigenic relationship between the parts of the differentiating eye.
- 11.30 J. C. CAMPBELL, RUTH M. CLAYTON and T. H. DAY (Institute of Animal Genetics, University of Edinburgh).  
Mouse mutants with abnormal eyes.
- 12.00 E. M. PANTELOURIS (Department of Applied Microbiology and Biology, University of Strathclyde).  
Absence of thymus in a Mouse mutant.
- 1.00 LUNCH.

### Session 2

Chairman: Professor D. R. Newth

- 2.15 N. MACLEAN (Department of Zoology, University of Southampton).  
Haemoglobin synthesis *in vitro* by *Xenopus* erythrocytes.
- 2.45 A. SHAW (Department of Zoology, University of Southampton).  
Observations on the switch from embryonic to adult haemoglobin in the mouse.
- 3.15 R. J. COLE (School of Biological Sciences, University of Sussex).  
The role of erythropoietin in haemoglobin synthesis in pre-natal mammals.
- 3.45 TEA.
- 4.15 LORNA DRYBURGH (School of Dental Surgery, Edinburgh).  
Tissue interactions in the early tooth development of the mouse.
- 4.45 E. KATCHBURIAN and S. J. HOLT (Courtauld Institute, Middlesex Hospital).  
The Ultrastructure of developing ameloblasts.
- 5.15 J. COHEN (Department of Zoology, University of Birmingham).  
Sperm and zygote redundancy and its correlation with chiasma frequency. (Why so many sperms?).
- 6.00 COMMITTEE MEETING.
- 7.00 DINNER AT GLEN EYRE HALL.

Saturday, 6th November

Session 3

Chairman: Dr. D. A. T. New

- 9.15 ELECTION OF NEW MEMBERS.
- 9.30 F. S. BILLETT and R. P. GOULD (Department of Zoology, University of Southampton, and Department of Anatomy, Middlesex Hospital Medical School)  
The fine structure of differentiating ectoderm cells in *Xenopus* embryos.
- 10.00 S. C. GEOL (Institute of Animal Genetics, University of Edinburgh).  
Studies on the differentiation of cartilage cells.
- 10.30 COFFEE.
- 11.00 M. EVANS (Department of Anatomy and Embryology, University College, London).  
Changes in Ribonucleic acid synthesis during primary embryonic induction in *Xenopus* embryos.
- 11.30 K. F. A. ROSS and D. E. JANS (Muscular Dystrophy Research Unit, University of Newcastle-upon-Tyne).  
Evidence for the increased utilization of Ribonucleic acid in the early stages of differentiation of a striated muscle fibre.
- 12.00 LOUIE HAMILTON and ANNE BURGESS (Department of Biology, Middlesex Hospital Medical School, and Department of Anatomy and Embryology, University College, London).  
A new look at somite morphogenesis.