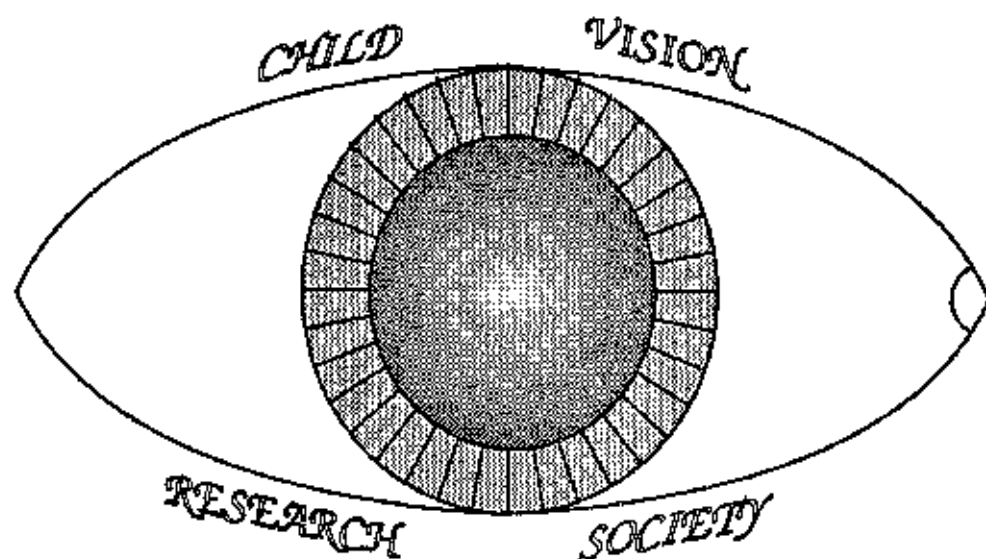


INAUGURAL MEETING



4th - 5th July 1987

Balliol College and University Laboratory of Physiology

University of Oxford

Child Vision Research Society

4th and 5th July 1987.

Scientific sessions in University Laboratory of Physiology.

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Refreshments during meeting including lunch, in first floor common room.

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Posters in corridor outside common room.

Saturday 4th July.

1.30-2.00 Registration.

2.00-2.05 Introduction and Welcome.

Session 1: Chairperson Mr. David Taylor.

2.05-2.20 *J. Atkinson, Cambridge*
Eye, subcortex and cortex: what new techniques of assessment tell us about the limit set by different parts of the visual system.

2.20-2.30 *M. Buultjens and S. Aitken, Edinburgh.*
Visual assessment of children with multiple impairments.

2.30-2.40 *W. Harrison, York.*
Assessment of multiply handicapped children

2.40-2.50 *S. Aitken and M. Buultjens, Edinburgh.*
The discrepancy between visual assessment and remediation in children with multiple impairments.

2.50- 3.00 DISCUSSION

Session 2: Chairperson Dr. Janette Atkinson

3.00-3.10 *F. Vital-Durand, Bron.*
Comprehensive examination of visual functions before one year of age.

3.10-3.20 *T. Heersema, J. van Hof-van Duin, Rotterdam.*
Effects of perinatal hypoxia on visual development in very low birthweight children.

3.20-3.30 *C. Thompson, Aston.*
Clinical experience with preferential looking.

3.30-3.40 DISCUSSION

3.40-4.10 TEA

4.10-4.20 *G. Mohn, V Barth, J van Hof-van Duin, Tübingen.*
Investigation of acuity in a clinical setting.

4.20-4.30 *D. Rodier and L. Mayer, Boston.*
Nystagmus and preferential looking.

4.30-4.40 *A. R. Fielder, Leicester.*
Acuity card procedure - clinical impressions and theoretical clues

4.40-4.50 DISCUSSION

4.50-5.30 *C. Blakemore, Oxford.*
The neurophysiological approaches to visual development and amblyopia.

6.45 Drinks available at bar, Balliol College.

7.30 Conference meal at Balliol College.

Sunday 5th July.

8.30-9.00 Breakfast at Balliol (residents).

Session 3: Chairperson Dr. Alan Leslie.

9.25-9.40 *A. Leslie*, London.
Infant vision - what is it ?

9.40-9.50 *N. Foreman*, Leicester.
Levels of visual function: some tests of visual attention in prematures and ex-prematures.

9.50-10.00 *J. M. Bill, R. M. Hoy and D. H. Sykes*, Belfast.
Visual-cognitive impairment follow-up studies of infants who have experienced intensive care treatment.

10.00-10.10 DISCUSSION

Session 4: Chairperson Dr. Oliver Braddick

10.10-10.20 *M. J. Moseley*, Leicester.
Light and the eye of the preterm neonate.

10.20-10.30 *J. Atkinson, J. Wattam-Bell, B. Hood and O. Braddick*, Cambridge.
Shifts of fixation, attention control and perimetry on young infants.

10.30-10.40 DISCUSSION

10.40-10.50 COFFEE

10.50-11.00 *D. Moseley*, Newcastle.
Is binocular scanning inefficiency a problem for dyslexic children ?

11.00-11.10 *K. Hagemans*, Rotterdam.
Binocular movements in reading problems.

11.10-11.20 *R. Grant*, Sussex.
Anomalies of ocular control and its effect on literacy.

11.20-11.30 DISCUSSION

11.30-11.40 *J. Voke*, London.
Colour vision of children.

11.40-11.50 *P. Linfield*, Aston.
Refraction of the preterm neonate.

11.50-12.00 *J. Gwiazda*, Cambridge, USA.
Early correlates of myopia and hyperopia in children.

12.00-12.10 DISCUSSION

12.10-12.20 *P. Sonksen*, London.
Seeing the right pre-schoolers in eye clinics.

12.20-12.30 *E. Rigg*, Strathclyde.
Are low vision aids any use to school children ?

12.30-12.40 DISCUSSION 12.40-1.45 LUNCH

Sunday 5th July continued.

Session 5: Chairperson Professor Henk Spekreijse

- 1.50-2.00 *J. Lang, Zurich.*
Fixation deficiencies in 3 conditions in young children.
- 2.00-2.10 *L. Dubowitz, London.*
Is neonatal vision subcortical ?
- 2.10-2.20 *D. Papakostopoulos, Bristol.*
Combined neurophysiological assessment of the visual system in children.
- 2.20-2.30 *A. Kriss, C. Timms, J. Elston, B. Edwards and D. Taylor.*
Pattern and flash evoked potentials in dissociated vertical deviation.
- 2.30-2.40 DISCUSSION
- 2.40-3.00 *J. Atkinson, O. Braddick, J. Wattam-Bell, J. Smith and B. Hood, Cambridge.*
Cortical orientation selectivity: VEP and behavioural measures.
- 3.00-3.10 *J. Wattam-Bell, Cambridge.*
Development of directional selectivity
- 3.10-3.20 DISCUSSION

Session 6: Chairperson Professor Colin Blakemore

- 3.20-3.30 TEA
- 3.30-3.50 Guest Lecture: "Does amblyopia have to exist ?", *R. Watt, Cambridge.*
- 3.50-4.00 *B. Doran, Bristol.*
An entoptic phenomenon elicited by viewing gratings.
- 4.00-4.10 *M. P. Headon, Reading.*
Visual deprivation in infant monkey geniculate neurones.
- 4.10-4.20 *D. Taylor, London.*
How can the researcher help the patient ?
- 4.20-4.30 DISCUSSION
- 4.30 The Future ?

END OF MEETING

Organising committee: Janette Atkinson, Colin Blakemore, Alistair Fielder, David Hull, Alan Leslie and David Taylor.

The organising committee are grateful to the Ulverscroft Trust for sponsoring this meeting.

Poster Presentations.

H. Spekrijse and P. Ossenblock, Amsterdam - Dynamic characteristics of the spontaneous EEG.

H. Spekrijse and P. Ossenblock, Amsterdam - Motion onset-offset VEPs in children from 5 to 15 years of age.

R. Oozeer, M. G. Natali-Sora, L. de Vries and L. Dubowitz, London - Multi Channel VEPs in neonatal neurological pathology.

R. Grant, Sussex - Classroom tests of ocular motility and scleral monitoring techniques.

K. H. Hagemans, Rotterdam - Detection of amblyopia with contrast gratings.

G. Hertz, Copenhagen - Acuity card testing of handicapped children.

K. C. Holland, Cheltenham - The relationship of visual defects to reading difficulties.

M. Johnson, London - An analysis of predisposition in the domestic chick.

N. Evans, L. Mayer and A. R. Fielder, Leicester - Ametropia in congenital cone deficiency - a defect in emmetropisation ?

A. R. Fielder, M. J. Moseley, C. Minshull and D. Price, Leicester - The acuity card procedure: clinical applications.

D. H. Loewer-Sieger and K. Lantau, Amsterdam - Detection of visual disorders in young children.

R. Sireteanu, Frankfurt - The development of peripheral visual acuity in human infants: binocular and monocular measurements.

J. Atkinson, O. Braddick, J. Wattam-Bell, J. Smith and B. Hood, Visual Development Unit, Cambridge - Photorefractive screening of infants and effects of refractive correction - When does binocular vision develop ? - Preferential looking - Eccentric and isotropic photorefractive - Orientation-specific VEP: a new measure of cortical function.

I. W. R. Bushnell, Glasgow - Evidence of face recognition in the human neonate.

J. Oliver, London - Retinoscopic screening by orthoptists.

A.J. Jackson and A. Collins, Belfast - Paediatric ophthalmic services - Royal Victoria Hospital.

O. Leigh, Haslemere - Strabismus and writing difficulties.

B. Daniel, Edinburgh - Looking with head and eye: a developmental study.

B. Katz and R. Sireteanu, Frankfurt - A comparative study using the Teller acuity cards.

R. M. L. Doran and A. Chandra, Bristol - Practical considerations in T.V.- based preferential looking tests.

C. Westall, J. M. Woodhouse and E. Garwood, Cardiff - Effect of development on visual and postural reflexes in human infants.

ATTENDANCE LIST

- Dr. S. Aitken, The Royal Blind School, Edinburgh.
- Mr. B. R. Ariel, 22 Durham Rd., East Finchley, London.
- Dr. J. Atkinson, Visual Development Unit, University of Cambridge.
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- Dr. O. Braddick, Visual Development Unit, University of Cambridge.
- Dr. I. Bushnell, Department of Psychology, University of Glasgow.
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- Mr. D. Calver, Guys Hospital, London.
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- Mr. A. Collins, Royal Victoria Hospital, Belfast.
- Miss G. Corley, ILEA Schools Psychological Service, London.
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- Ms. L. De Vries, Hammersmith Hospital, London.
- Mr. R. Doran, Department of Ophthalmology, University of Bristol.
- Dr. L. Dubowitz, Hammersmith Hospital, London.
- Dr. S. Dziurawicz, MRC Cognitive Development Unit, London.
- Mr. N. Evans, Department of Ophthalmology, University of Leicester.
- Mr. A.R. Fielder, Department of Ophthalmology, University of Leicester.
- Dr. N. Foreman, Department of Psychology, University of Leicester.
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Miss T. Heersema, Department of Physiology, Erasmus Universiteit Rotterdam, Rotterdam.

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Dr. J. Morris, The London Refraction Hospital.

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Dr. J. M. Woodhouse, Department of Optometry, UWIST, Cardiff.

Ms. C. Wortham, Orthoptic Department, Oxford Eye Hospital.