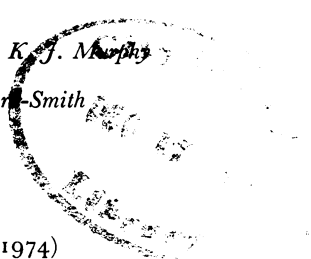


---

Editorial: The background to sickling	641
Ocular findings in children with sickle cell haemoglobin C disease in Jamaica <i>P. I. Condon, R. Gray, and G. R. Serjeant</i>	644
Photocoagulation and diathermy in the treatment of proliferative sickle retinopathy <i>P. I. Condon and G. R. Serjeant</i>	650
Bilateral aplasia of the optic nerve in a cat <i>K. C. Barnett and T. D. Grimes</i>	663
Comparison of the accommodative effects of Carbachol and Pilocarpine with reference to accommodative esotropia <i>H. P. Williams</i>	668
Management of acute glaucoma with Pilocarpine-soaked hydrophilic lens <i>J. S. Hillman</i>	674
Trabeculectomy. A follow-up study <i>A. E. A. Ridgway</i>	680
Clinical significance of the fleurette in retinoblastoma <i>D. Sevel, G. F. Röhm, and R. Sealy</i>	687
Papilloedema due to hyperparathyroidism <i>K. J. Murphy</i>	694
Transient myopia after aspirin <i>J. H. Sandford-Smith</i>	698
Reviews	701
Notes	706

ASTM CODEN: BJOPAL 58(7) 641-706 (1974)



# Contents

## No. 1 January, 1974

Editorial: A new inborn error of metabolism .. .. .	1
Gyrate atrophy of the choroid and retina associated with hyperornithinaemia <i>K. Takki</i> .. .. .	3
Differential diagnosis between the primary total choroidal vascular atrophies <i>K. Takki</i> .. .. .	24
Closed-angle glaucoma. Theoretical considerations <i>R. Mapstone</i> .. ..	36
Closed-angle glaucoma. Experimental results <i>R. Mapstone</i> .. .. .	41
Precipitation of angle closure <i>R. Mapstone</i> .. .. .	46
Inadequate diagnostic value of the water-drinking test <i>J. A. Roth</i> .. ..	55
Effect of carbon dioxide on the intraocular pressure in man during general anaesthesia <i>J. R. Samuel and A. Beaugié</i> .. .. .	62
Ocular dimensions and the heredity of open-angle glaucoma <i>A. Tomlinson and D. A. Leighton</i> .. .. .	68

## No. 2 February 1974

Editorial: Therapy of diabetic maculopathy .. .. .	75
Pathogenesis and treatment of diabetic maculopathy <i>K. Rubinstein and V. Myska</i> ..	76
Treatment of diabetic maculopathy by argon-laser <i>S. Merin, L. Yanko, and M. Ivry</i>	85
Retinal detachment after congenital cataract surgery <i>J. J. Kanski, A. R. Elkington, and R. Daniel</i> .. .. .	92
Hyalo-retinopathy in the clefting syndrome <i>R. Daniel, J. J. Kanski, and M. G. Glasspool</i> .. .. .	96
Mobile vitreous cysts <i>A. R. Elkington and D. M. Watson</i> .. .. .	103
Orbital diploic dermoids <i>J. F. Cullen</i> .. .. .	105
Craniometaphyseal dysplasia <i>H. V. Nema, J. S. Mathur, and T. P. Srivastava</i> ..	107
Unilateral proptosis in the newborn <i>C. C. Cory and N. Manson</i> .. .. .	110
Discrete carcinomatous metastases in the extraocular muscles <i>N. Ashton and G. Morgan</i> .. .. .	112
Analysis of the recovery of third nerve function after direct surgical intervention for posterior communicating aneurysms <i>M. C. Grayson, S. R. Soni, and V. A. Sponer</i> .. .. .	118
Ocular damage after blunt trauma to the eye <i>E. M. Eagling</i> .. .. .	126
Evaluation of contact lenses for central vision in high myopia <i>G. Fonda</i> .. ..	141
Disposable graft splint in penetrating keratoplasty <i>P. Hardy Smith</i> .. ..	148

Contents

Bracket for attaching the Kowa fundus camera to the Haag–Streit 900 slit lamp <i>D. H. Brennan, T. J. G. Price, and J. A. Turnbull</i> .. .. .	151
Correspondence .. .. .	152
Reviews .. .. .	152
Notes .. .. .	154
Obituary .. .. .	155

**No. 3 March 1974**

STRABISMUS: Cambridge Ophthalmological Symposium. Perrers Taylor Memorial, September, 1973  
Chairman: T. Keith Lyle. Edited by P. G. Watson

Foreword <i>P. G. Watson</i> .. .. .	157
Factors involved in the production of amblyopia <i>G. K. von Noorden (U.S.A.)</i> ..	158
Is amblyopia due to inappropriate stimulation of “sustained” visual pathways during development? <i>H. Ikeda and M. J. Wright (U.K.)</i> .. .. .	165
Experimental analysis of amblyopia and strabismus <i>C. Blakemore and R. C. Van Sluyters (U.K.)</i> .. .. .	176
Visually evoked responses in amblyopia <i>G. B. Arden, W. M. Barnard, and A. S. Mushin (U.K.)</i> .. .. .	183
Histochemistry of primate extraocular muscles and the changes of denervation <i>J. H. J. Durston (U.K.)</i> .. .. .	193
Control of ocular movement <i>R. B. Daroff (U.S.A.)</i> .. .. .	217
Epidemiology of strabismus <i>P. A. Graham (U.K.)</i> .. .. .	224
Newer methods of investigating strabismus <i>J. Mein (U.K.)</i> .. .. .	232
Management of acquired esotropia <i>M. M. Parks (U.S.A.)</i> .. .. .	240
Relevance of the AC/A ratio <i>K. Wybar (U.K.)</i> .. .. .	248
Management of paralytic strabismus <i>P. Fells (U.K.)</i> .. .. .	255
Defects of ocular movement and fusion after head injury <i>A. Stanworth (U.K.)</i> ..	266
Strabismus affecting children with multiple handicaps <i>B. Harcourt (U.K.)</i> ..	272
Management of microtropia <i>J. Lang (Switzerland)</i> .. .. .	281
Electrophysiology of the retraction syndromes <i>A. Huber (Switzerland)</i> .. ..	293
Surgical management of Duane’s syndrome <i>M. H. M. A. Gobin (Holland)</i> ..	301
Surgery of muscle adhesions and effects of multiple operations <i>E. Dunlap (U.S.A.)</i>	307
Sensory anomalies in strabismus <i>B. Bagolini (Italy)</i> .. .. .	313
Summing up <i>T. Keith Lyle</i> .. .. .	319
Bibliography .. .. .	323

The discussions which follow each paper have been edited by P. G. Watson.

**No. 4 April 1974**

FESTSCHRIFT: Dedicated to Sir Stewart Duke-Elder	
Honouring Sir Stewart and his work .. .. .	334
Recent advances in keratoplasty <i>D. Ainslie</i> .. .. .	335

Vascular basement membrane changes in diabetic retinopathy (Montgomery Lecture, 1973) <i>N. Ashton</i> .. .. .	344
Treatment of senile disciform macular degeneration by photocoagulation <i>A. C. Bird</i> .. .. .	367
Recent advances in the treatment of diabetic retinopathy <i>J. H. Dobree</i> ..	377
Teaching retinal surgery <i>L. Fison</i> .. .. .	382
The toxic optic neuropathies <i>W. S. Foulds with I. A. Chisholm and A. R. Pettigrew</i> ..	386
Recent advances in fluorescein fundus angiography <i>S. S. Hayreh</i> .. ..	391
Retinal neovascularization, collaterals, and vascular shunts <i>P. Henkind and G. N. Wise</i>	413
Development of prophylactic treatment in retinal surgery <i>J. R. Hudson</i> ..	423
Recent advances in ophthalmic genetics: Genetic counselling <i>B. Jay</i> .. ..	427
Laboratory tests for chlamydial infection: Their role in epidemiological studies of trachoma and its control <i>B. R. Jones</i> .. .. .	438
Blind registration and glaucoma simplex <i>S. J. H. Miller and A. G. Karseras</i> ..	455
Recent advances in the study of uveitis <i>E. S. Perkins</i> .. .. .	462
Perspectives in neuro-ophthalmology <i>M. D. Sanders</i> .. .. .	468
Recent advances in the surgical treatment of glaucoma <i>Redmond J. H. Smith</i> ..	478
Recent advances in paediatric ophthalmology <i>K. Wybar</i> .. .. .	483

**No. 4 May 1974**

Editorial: Retroental fibroplasia unrelated to oxygen therapy .. .. .	487
Non-oxygen induced retinitis proliferans and retinal detachment in full-term infants <i>F. H. Stefani and H. Ehalt</i> .. .. .	490
Effect of changes in intraocular pressure on the retinal microcirculation <i>T. J. ffytche, C. J. Bulpitt, E. M. Kohner, D. Archer, and C. T. Dollery</i> .. .. .	514
Variations in visual acuity, refraction, and corneal curvature with changes in applanation tension <i>D. Poinosawmy and J. A. Roth</i> .. .. .	523
Family studies in glaucoma <i>E. S. Perkins</i> .. .. .	529
Familial glaucoma in nine generations of a South Hampshire family <i>J. P. Martin and E. C. Zorab</i> .. .. .	536
Ovalness of the optic cup and disc in the normal eye <i>A. Tomlinson and C. I. Phillips</i>	543
Retinal branch vein occlusion: Focal changes at the site of the venous obstruction <i>R. S. Clemett</i> .. .. .	548
Astrocytoma of the retina <i>J. Jordano, H. Galera, M. Toro, and B. Carreras</i> .. ..	555
Correspondence .. .. .	560
Reviews .. .. .	561
Notes .. .. .	566
Obituary .. .. .	567

**No. 6 June 1974**

Editorial: Computerized axial tomography .. .. .	569
Computer assisted tomography in orbital disease <i>J. Gawler, M. D. Sanders, J. W. D. Bull, G. Du Boulay, and J. Marshall</i> .. .. .	571

Contents

Acute infection after retinal detachment surgery <i>R. A. Hitchings, I. S. Levy, and A. H. Chignell</i> .. .. .	588
Postoperative endophthalmitis due to <i>Trichosporon cutaneum</i> <i>H. A. Sheikh, S. Mahgoub, and K. Badi</i> .. .. .	591
Incidence of uveitis in Bantu-speaking negroes of South Africa <i>J. Freedman</i> ..	595
Relapsing polychondritis and eye disease <i>D. A. R. McKay, P. G. Watson, and A. J. Lyne</i> .. .. .	600
Penetration of trimethoprim and sulphamethoxazole into the aqueous humour <i>P. E. J. Pohjanpelto, T. J. Sarmela, and T. Raines</i> .. .. .	606
Use of gentamicin sulphate in ophthalmology. I. Absorption of gentamicin into the rabbit aqueous <i>B. S. Kuming and M. Tonkin</i> .. .. .	609
Retinal oxalosis <i>A. Garner</i> .. .. .	613
Focal dermal hypoplasia <i>G. S. Willetts</i> .. .. .	620
Bilateral choroidal metastases from "adenoma" of the bronchus <i>C. Walker</i> ..	625
Ankyloblepharon filiforme adnatum affecting identical twins <i>J. Howe and B. Harcourt</i> .. .. .	630
Congenital abnormality of the lower lid <i>J. L. Aggarwal</i> .. .. .	633
Correspondence .. .. .	635
Reviews .. .. .	637
Notes .. .. .	639
Obituary .. .. .	640

**No. 7 July 1974**

Editorial: The background to sickling .. .. .	641
Ocular findings in children with sickle cell haemoglobin C disease in Jamaica <i>P. I. Condon, R. Gray, and G. R. Serjeant</i> .. .. .	644
Photocoagulation and diathermy in the treatment of proliferative sickle retinopathy <i>P. I. Condon and G. R. Serjeant</i> .. .. .	650
Bilateral aplasia of the optic nerve in a cat <i>K. C. Barnett and T. D. Grimes</i> .. ..	663
Comparison of the accommodative effects of Carbachol and Pilocarpine with reference to accommodative esotropia <i>H. P. Williams</i> .. .. .	668
Management of acute glaucoma with Pilocarpine-soaked hydrophilic lens <i>J. S. Hillman</i> .. .. .	674
Trabeculectomy. A follow-up study <i>A. E. A. Ridgway</i> .. .. .	680
Clinical significance of the fleurette in retinoblastoma <i>D. Sevel, G. F. Röhm, and R. Sealy</i> .. .. .	687
Papilloedema due to hyperparathyroidism <i>K. J. Murphy</i> .. .. .	694
Transient myopia after aspirin <i>J. H. Sandford-Smith</i> .. .. .	698
Reviews .. .. .	701
Notes .. .. .	706

**No. 8 August 1974**

Editorial: The schematic eye .. .. .	707
--------------------------------------	-----

Non-linear projection of the retinal image in a wide-angle schematic eye <i>N. Drasdo and C. W. Fowler</i> .. .. .	709
Intraocular lenticuli <i>M. J. Roper-Hall</i> .. .. .	715
Federov iris-supported intraocular acrylic lens <i>P. Jardine and J. H. Sandford-Smith</i>	718
Early ocular hypertension after cataract extraction <i>W. J. Rich, N. D. Radtke, and B. E. Cohan</i> .. .. .	725
Ocular disorders in a series of 332 patients with Crohn's disease <i>D. J. Hopkins, E. Horan, I. L. Burton, S. E. Clamp, F. T. de Dombal, and J. C. Goligher</i> .. ..	732
Fluorescein study of a family with angioid streaks and pseudoxanthoma elasticum <i>D. S. Hull and T. M. Aaberg</i> .. .. .	738
B-scan ultrasonography in the evaluation of retinal detachment <i>J. V. Forrester and G. R. Sutherland</i> .. .. .	746
Influence of menstruation on corneal sensitivity <i>M. Millodot and A. Lamont</i> ..	752
Ocular hazards of playing badminton <i>S. Chandran</i> .. .. .	757
Galilean telescopic system for the partially sighted <i>D. R. Gerstman and J. R. Levene</i>	761
The COMMIDO: Combined Operation Magnifiers and Miniature Indirect Ophthalmoscope <i>L. Pericic, G. W. Crock, J.-M. Parel, and P. N. Henderson</i> ..	766
Reviews .. .. .	770

**No. 9 September 1974**

Editorial: Diagnosis of cell-mediated immunity in ocular disease .. .. .	771
Cellular hypersensitivity to uveal pigment confirmed by leucocyte migration tests in sympathetic ophthalmitis and the Vogt-Koyanagi-Harada syndrome <i>H. Hammer</i> .. .. .	773
Serpiginous choroiditis <i>L. Laatikainen and H. Erkkilä</i> .. .. .	777
Geographical choroidopathy <i>A. M. Hamilton and A. C. Bird</i> .. .. .	784
Management of the dry eye in Sjögren's syndrome <i>J. Williamson, W. M. Doig, J. V. Forrester, M. H. Tham, T. Wilson, K. Whaley, and W. Carson Dick</i> .. ..	798
Effects of general anaesthesia on the intraocular pressure in man <i>M. H. Al-Abrak and J. R. Samuel</i> .. .. .	806
Non-corneal electroretinogram. Parameters in normal children <i>A. Harden</i> ..	811
Hereditary optic atrophy with onset in early childhood <i>J. D. Brodrick</i> .. ..	817
Intracranial optic nerve angioblastoma <i>F. H. Stefani and E. Rothmund</i> .. ..	823
Astrocytoma of the optic nerve and chiasm associated with microphthalmos and orbital cyst <i>J. Bonner and C. H. Ide</i> .. .. .	828
Reviews .. .. .	832
Notes .. .. .	832

**No. 10 October 1974**

Severe endemic trachoma in Tunisia	
I. Effect of topical chemotherapy on conjunctivitis and ocular bacteria <i>D. W. Vastine, C. R. Dawson, T. Daghfous, M. Messadi, I. Hoshiwara, C. Yoneda, and R. Nataf</i> .. .. .	833
Comparison of sensitivity of primary isolation of <i>Chlamydia</i> in irradiated McCoy	

Contents

cells or HeLa 229 cells treated with DEAE-D	<i>S. Darougar, D. Kundu, and B. R. Jones</i>	843
Use of photographs for measuring cupping in the optic disc	<i>J. Gloster and D. G. Parry</i>	850
Pathogenesis of cupping of the optic disc	<i>S. S. Hayreh</i>	863
Metastatic mucus-secreting mammary carcinoma in the eyelid	<i>M. M. Rodrigues, R. L. Font, and G. M. Shannon</i>	877
Mesenchymal chondrosarcoma of the orbit	<i>D. Sevel</i>	882
Reviews		888

**No. 11 November 1974**

Transactions of the Ophthalmological Societies of the United Kingdom		889
Editorial: Presumed ocular histoplasma syndrome		890
Ocular histoplasmosis syndrome in the United Kingdom	<i>R. A. Braunstein, D. A. Rosen, and A. C. Bird</i>	893
Patterns of non-rhegmatogenous elevations of the retina	<i>H. Lincoff and I. Kreissig</i>	899
Genetic aspects of gyrate atrophy of the choroid and retina with hyperornithinaemia	<i>K. Takki and O. Simell</i>	907
Systemic associations of uveal coloboma	<i>R. M. L. James, A. G. Karseras, and K. C. Wybar</i>	917
Impairment of colour vision in patients with ocular hypertension and glaucoma. With special reference to the 'D and H Color-Rule'	<i>H. Kalmus, I. Luke, and D. Seedburgh</i>	922
Trabeculectomy in pseudoexfoliative glaucoma	<i>T. Jerndal and V. Krüsa</i>	927
Ultrastructure of the ciliary muscle treated by organophosphate pesticide in Beagle dogs	<i>H. Suzuki and S. Ishikawa</i>	931
VICRYL (Polyglactin 910). A new synthetic absorbable suture	<i>C. G. F. Munton, C. I. Phillips, B. Martin, R. S. Bartholomew, and I. Capperauld</i>	941
Reviews		948
Notes		949

**No. 12 December 1974**

Editorial: Ischaemic optic neuropathy		953
Anterior ischaemic optic neuropathy		
I. Terminology and pathogenesis		955
II. Fundus on ophthalmoscopy and fluorescein angiography		964
III. Treatment, prophylaxis, and differential diagnosis	<i>S. S. Hayreh</i>	981
Ischaemic papillopathy	<i>E. M. Eagling, M. D. Sanders, and S. J. H. Miller</i>	990
Soft contact lenses for aphakia	<i>D. Lobascher, J. Chaston, J. Morris, and M. Ruben</i>	1009
Correspondence		1016
Index, 1974		1019