

Contents

- Editorial: Congenital nystagmus *page 1*
- A new treatment for congenital nystagmus R. V. ABADI, D. CARDEN, AND J. SIMPSON *page 2*
- Increased drift in amblyopic eyes KENNETH J. CIUFFREDA, ROBERT V. KENYON, AND LAWRENCE STARK *page 7*
- Contrast sensitivity in amblyopia due to stimulus deprivation DENNIS M. LEVI AND RONALD S. HARWERTH *page 15*
- Effect of age on Arden grating acuity HAROLD W. SKALKA *page 21*
- Comparison of Snellen acuity, VER acuity, and Arden grating scores in macular and optic nerve diseases HAROLD W. SKALKA *page 24*
- Keratitis due to *Aspergillus flavus* successfully treated with thiabendazole MADAN P. UPADHYAY, EDNA P. WEST, AND ACHYUT P. SHARMA *page 30*
- Trifluorothymidine versus adenine arabinoside in the treatment of herpes simplex keratitis O. P. VAN BIJSTERVELD AND H. POST *page 33*
- Topical therapy of hyperendemic trachoma with rifampicin, oxytetracycline, or spiramycin eye ointments S. DAROUGAR, B. R. JONES, N. VISWALINGAM, J. ALLAMI, D. MINASSIAN, M. A. FARAHMANDIAN, AND A. HOUSHMAND *page 37*
- Clinical evaluation of clobetasone butyrate: a comparative study of its effects in postoperative inflammation and on intraocular pressure T. G. RAMSELL, R. S. BARTHOLOMEW, AND S. R. WALKER *page 42*
- Crystalline stromal dystrophy: histochemistry and ultrastructure of the cornea R. O. WELLER AND F. C. RODGER *page 46*
- Unilateral lattice dystrophy of the cornea R. F. MEHTA *page 53*
- Rieger's anomaly: a 42-year follow-up Z. GREGOR AND R. A. HITCHINGS *page 56*
- Indirect choroidal tears at the posterior pole: a fluorescein angiographic and perimetric study J. C. DEAN HART, V. E. NATSIKOS, E. R. RAISTRICK, AND R. M. L. DORAN *page 59*
- Notes *page 68*

Contents

No. 1 January 1980

Editorial: Congenital nystagmus	1
A new treatment for congenital nystagmus R. V. ABADI, D. CARDEN, AND J. SIMPSON	2
Increased drift in amblyopic eyes KENNETH J. CIUFFREDA, ROBERT V. KENYON, AND LAWRENCE STARK	7
Contrast sensitivity in amblyopia due to stimulus deprivation DENNIS M. LEVI AND RONALD S. HARWERTH	15
Effect of age on Arden grating acuity HAROLD W. SKALKA	21
Comparison of Snellen acuity, VER acuity, and Arden grating scores in macular and optic nerve diseases HAROLD W. SKALKA	24
Keratitis due to <i>Aspergillus flavus</i> successfully treated with thiabendazole MADAN P. UPADHYAY, EDNA P. WEST, AND ACHYUT P. SHARMA	30
Trifluorothymidine versus adenine arabinoside in the treatment of herpes simplex keratitis O. P. VAN BIJSTERVELD AND H. POST	33
Topical therapy of hyperendemic trachoma with rifampicin, oxytetracycline, or spiramycin eye ointments S. DAROUGAR, B. R. JONES, N. VISWALINGAM, J. ALLAMI, D. MINASSIAN, M. A. FARAHMANDIAN, AND A. HOUSHMAND	37
Clinical evaluation of clobetasone butyrate: a comparative study of its effects in postoperative inflammation and on intraocular pressure T. G. RAMSELL, R. S. BARTHOLOMEW, AND S. R. WALKER	42
Crystalline stromal dystrophy: histochemistry and ultrastructure of the cornea R. O. WELLER AND F. C. RODGER	46
Unilateral lattice dystrophy of the cornea R. F. MEHTA	53
Rieger's anomaly: a 42-year follow-up Z. GREGOR AND R. A. HITCHINGS	56
Indirect choroidal tears at the posterior pole: a fluorescein angiographic and perimetric study J. C. DEAN HART, V. E. NATSIKOS, E. R. RAISTRICK, AND R. M. L. DORAN	59
Notes	68

No. 2 February 1980

Optic disc neovascularisation in diabetic retinopathy: I. A system for grading proliferation at the optic nerve head in patients with proliferative diabetic retinopathy YUVAL YASSUR, LINDA W. PICKLE, STUART L. FINE, LAWRENCE SINGERMAN, DAVID H. ORTH, AND ARNALL PATZ	69
Optic disc neovascularisation in diabetic retinopathy: II. Natural history and results of photocoagulation treatment YUVAL YASSUR, LINDA W. PICKLE, STUART L. FINE, LAWRENCE SINGERMAN, DAVID H. ORTH, AND ARNALL PATZ	77
Peripheral retinal ablation in the treatment of proliferative diabetic retinopathy during pregnancy B. L. HERCULES, MARGARET WOZENCROFT, I. I. GAYED, AND JULIE JEACOCK	87
Effect of preoperative posture and binocular occlusion on retinal detachment J. S. LEAN, M. MAHMOOD, R. MANNA, AND A. H. CHIGNELL	94
Buckling procedures for retinal detachment caused by retrolental fibroplasia in premature babies ELCHANAN GRUNWALD, YUVAL YASSUR, AND ISAAC BEN-SIRA	98
Epiretinal membrane formation associated with spontaneous massive periretinal proliferation ROGER MCGUINNESS	102
Posterior hyperplastic primary vitreous K. RUBINSTEIN	105
Autosomal dominant exudative vitreoretinopathy R. R. OBER, A. C. BIRD, A. M. HAMILTON, AND K. SEHMI	112
Retinal detachment in median cleft-face syndrome V. FEILER-OF-TRY, V. GODEL, P. NEMET, AND M. LAZAR	121
Sector retinitis pigmentosa in juvenile nephronophthisis V. GODEL, A. IAINA, P. NEMET, AND M. LAZAR	124
A patterned macular dystrophy with yellow plaques and atrophic changes PAUL CORTIN, DESMOND ARCHER, IRENE H. MAUMENEE, KATHY FEIOCK, AND PERRY SPEROS	127
Diced cartilage grafts to correct enophthalmos D. J. COSTER AND J. E. K. GALBRAITH	135
Self-medication with pilocarpine among outpatients in a glaucoma clinic S. E. NORELL AND P.-A. GRANSTROM	137
Book reviews	142
Correspondence	143
Notes	144

No. 3 March 1980

Editorial: Effect of cyclosporin A on the survival of corneal grafts in rabbits	145
Editorial: Early diagnosis of choroidal melanoma	146
Effect of cyclosporin A on the survival of corneal grafts in rabbits W. F. I. SHEPHERD, D. J. COSTER, T. CHIN FOOK, N. S. C. RICE, AND B. R. JONES	148
Aetiology of climatic droplet keratopathy and pterygium HUGH R. TAYLOR	154
Corneal endothelial changes under induced intraocular pressure elevation: a scanning and transmission electron microscopic study in rabbits S. MELAMED, I. BEN-SIRA, AND Y. BEN-SHAUL	164
Bilateral necrotising scleritis with marginal corneal ulceration after cataract surgery in a patient with vasculitis STEPHEN E. BLOOMFIELD, CARL G. BECKER, CHARLES L. CHRISTIAN, AND JACK S. NAUHEIM	170
Brittle cornea, blue sclera, and red hair syndrome (the brittle cornea syndrome) U. TICHO, M. IVRY, AND S. MERIN	175
Diffuse melanoma of the choroid DEVRON H. CHAR, R. DUDLEY STONE, J. BROOKS CRAWFORD, ROBERT WALLYN, ALEXANDER R. IRVINE, GEORGE F. HILTON, HOWARD SCHATZ, ARIAH SCHWARTZ, AND LAWRENCE LONN	178
Antibodies to skeletal muscle actin and their reactivity with malignant melanoma of the choroid AMIN MALATY, AMJAD RAHI, AND ALEC GARNER	181
Observations on the ³² P uptake test H. MOSELEY AND W. S. FOULDS	186
Changes in visual function and in the posterior segment of the eye during treatment of onchocerciasis with diethylcarbamazine citrate A. C. BIRD, HADI EL SHEIKH, J. ANDERSON, AND H. FUGLSANG	191
Rubella maculopathy D. H. ORTH, G. A. FISHMAN, M. SEGALL, A. BHATT, AND Y. YASSUR	201
Infantile cystoid maculopathy MICHAEL T. TRESE AND ROBERT Y. FOOS	206
Macular changes resulting from papilloedema A. T. MORRIS AND M. D. SANDERS	211
Identification of T and B lymphocytes in the human conjunctiva and lacrimal gland in ocular diseases RUBENS BELFORT JR. AND NELSON F. MENDES	217
Pigmentation associated histopathological variations in sympathetic ophthalmia GEORGE E. MARAK JR. AND HIROSHI IKUI	220
Book reviews	223
Correspondence	223
Notes	223
Obituary	224

No. 4 April 1980

Editorial: Genetic associations of glaucoma	225
Genetic markers in glaucoma ROBERT DAVID AND TREFOR JENKINS	227
The optic disc in glaucoma: IV. Optic disc evaluation in the ocular hypertensive patient R. A. HITCHINGS AND C. A. WHEELER	232
Timolol in operated closed-angle glaucoma CALBERT I. PHILLIPS	240
Role of axoplasmic transport in the pathophysiology of ischaemic disc swelling DAVID MCLEOD, JOHN MARSHALL, AND EVA M. KOHNER	247
Peripheral retinal haemorrhages with papilloedema R. GALVIN AND M. D. SANDERS	262
Acquired opticiliary shunt vessels in papilloedema H. M. EGGARS AND M. D. SANDERS	267
The Sylvian aqueduct syndrome and neurofibromatosis JOHN S. LEAN	272
Comparative sensitivity of fluorescent antibody staining of conjunctival scrapings and irradiated McCoy cell culture for the diagnosis of hyperendemic trachoma S. DAROUGAR, R. M. WOODLAND, B. R. JONES, A. HOUSHMAND, AND H. A. FARAHMANDIAN	276
Guinea-pig inclusion conjunctivitis as a model for the study of trachoma: clinical, microbiological, serological and cytological studies of primary infection MARJORIE A. MONNICKENDAM, S. DAROUGAR, J. D. TREHARNE, AND ANGELA M. TILBURY	279
Development of chronic conjunctivitis with scarring and pannus, resembling trachoma, in guinea-pigs MARJORIE A. MONNICKENDAM, S. DAROUGAR, J. D. TREHARNE, AND ANGELA M. TILBURY	284
Family-based suppressive intermittent therapy of hyperendemic trachoma with topical oxytetracycline or oral doxycycline S. DAROUGAR, B. R. JONES, N. VISWALINGHAM, R. H. POIRIER, J. ALLAMI, A. HOUSHMAND, M. A. FARAHMANDIAN, AND J. A. GIBSON	291

A modified technique for correction of trachomatous cicatricial entropion C. P. THOMMY ..	296
Book reviews	299
Correspondence	300
Notes	300

No. 5 May 1980

Editorial: Cataract—is surgery the only solution?	301
The environment and the lens HUGH R. TAYLOR	303
A note on a possible relation between refraction and a disposition for senile nuclear cataract ROBERT WEALE	311
Effect of a nonsteroidal gametic factor on senile cataract in the dog GIUSEPPE LUGARO, MARIA MADDALENA CASELLATO, ERNESTO MANERA, MARIA ANGELA BACIGALUPO, EDOARDO MASELLI, AND GIUSEPPE FACHINI	315
Intraocular implants: the postoperative astigmatism J. GIBSON MOORE	318
Anterior chamber depth in eyes with pseudoexfoliation R. S. BARTHOLOMEW	322
Long-term follow-up study on prevention of aphakic cystoid macular oedema by topical indomethacin KENSAKU MIYAKE, SHIZUKO SAKAMURA, AND HANA MIURA	324
HLA antigens in acute anterior uveitis in South African blacks GUNTILT MAIER, BENJAMIN MILLER, JEFFREY FREEDMAN, AND INGRID BAUMGARTEN	329
Immunocompetence and transfer factor therapy in uveitis AUBRY ABRAMSON, AMANULLAH KHAN, GEORGE W. TATE, JR., ROBERT G. MARTIN, AND N. O. HILL	332
Experience with the CAM vision stimulator: preliminary report H. E. WILLSHAW, A. MALM- HEDEN, J. CLARKE, A. WILLIAMS, AND L. DEAN	339
A pilot study of children with amblyopia treated by the gratings method J. D. A. CARRUTHERS, J. A. PRATT-JOHNSON, AND G. TILLSON	342
A model for sensory adaptations of the visual system in squint L. D. PICKWELL	345
Depth perception in strabismus DAVID B. HENSON AND DONNA E. WILLIAMS	349
Torsional fusional vergences and assessment of cyclodeviation by synoptophore method D. K. SEN, B. SINGH, AND G. P. MATHUR	354
Treatment of bilateral superior oblique tendon sheath syndrome complicating rheumatoid arthritis MARILYN BECK AND PETER HICKLING	358
The oculocardiac reflex as a surgical aid in identifying a slipped or 'lost' extraocular muscle LEONARD APT AND SHERWIN J. ISENBERG	362
Rift Valley fever ocular manifestations: observations during the 1977 epidemic in Egypt A. L. SIAM, J. M. MEEGAN, AND K. F. GHARBAWI	366
Congenital nystagmus among the Red-skins of the Highlands of Papua New Guinea R. W. HORNABROOK, W. I. MCDONALD, AND R. L. CARROLL	375
Book reviews	381
Correspondence	383
Notes	384

No. 6 June 1980

Xenon arc photocoagulation for the treatment of diabetic maculopathy C. TOWNSEND, J. BAILEY, AND E. KOHNER	385
Organised macular plaques in exudative diabetic maculopathy RAGNAR SIGURDSSON AND IAIN S. BEGG	392
Diabetic retinopathy in pregnancy: a 12-year prospective survey MAGDA HORVAT, HECTOR MACLEAN, LEON GOLDBERG, AND G. W. CROCK	398
Behaviour of untreated proliferative sickle retinopathy P. I. CONDON AND G. R. SERJEANT ..	404
Follow-up study of detachment of the retinal pigment epithelium MICHAEL L. KLEIN, HANNA OBERTYNSKI, ARNALL PATZ, STUART L. FINE, AND MOHANDAS KINI	412
Retinal detachment in congenital glaucoma R. J. COOLING, N. S. C. RICE, AND D. MCLEOD ..	417
Effect of hypercapnea and hyperventilation on human intraocular pressure during general anaesthesia following acetazolamide administration A. D. PETOUNIS, S. CHONDRELI, AND A. VADALUKA-SEKIOTI	422
The effect of autonomic agents on the pupil and the intraocular pressure of eyes treated with dexamethasone GEORGE L. SPAETH	426
Intraocular pressure response to corticosteroids in children BEN-ZION BIEDNER, ROBERT DAVID, ALEXANDER GRUDSKY, AND URIEL SACHS	430

Characteristics of reduction of intraocular pressure after trabeculectomy	JEFFREY L. JAY AND STEPHEN B. MURRAY	432
Trabeculectomy: a review and 4-year follow-up	A. A. ZAIDI	436
Epithelial cyst of the iris following penetrating keratoplasty	S. ARTHUR BORUCHOFF, KENNETH R. KENYON, GARY N. FOULKS, AND W. RICHARD GREEN	440
The iris naevus (Cogan-Reese) syndrome: light and electron microscopic observations	RALPH C. EAGLE, JR., RAMON L. FONT, MYRON YANOFF, AND BEN S. FINE	446
Tumours of the anterior uvea. II. Intranuclear cytoplasmic inclusions in malignant melanoma of the iris	M. S. NOOR SUNBA, AMJAD H. S. RAHI, AND GWYN MORGAN	453
Observer variation in ophthalmology	R. A. GIBSON AND H. F. SANDERSON	457
Reading type for children	G. M. MACLURE	461
Book reviews		466
Correspondence		467
Notes		468

No. 7 July 1980

The acute vitreous haemorrhage	JOHN S. LEAN AND ZDENEK GREGOR	469
Management of endophthalmitis with pars plana vitrectomy	GHOLAM A. PEYMAN, MOTILAL RAICHAND, AND THOMAS O. BENNETT	472
Vitrectomy in the management of intraocular foreign bodies and their complications	GHOLAM A. PEYMAN, MOTILAL RAICHAND, MORTON F. GOLDBERG, AND STEVE BROWN	476
Clinical trial with 2% sodium cromoglycate (Opticrom) in vernal keratoconjunctivitis	MEDHAT EL HENNAWI	483
Echo 11 conjunctivitis	D. J. SPALTON, S. PALMER, AND L. C. LOGAN	487
An outbreak of adenovirus type 4 conjunctivitis	ANDREW B. TULLO AND PETER G. HIGGINS	489
Allergic conjunctival granulomas	MALCOLM E. CAMERON AND HUGH GREER	494
Late complications of pterygium treatment	K. H. TARR AND I. J. CONSTABLE	496
Preinvasive carcinoma of the cornea and conjunctiva	A. J. DARK AND B. W. STREETEN	506
Congenital fistulae of the lacrimal gland	LIEUWE J. BLANKSMA AND BERT A. E. V. D. POL	515
Congenital crocodile tears: a key to the aetiology of Duane's syndrome	JAMES RAMSAY AND DAVID TAYLOR	518
Morphology of graft endothelium and donor age	GULLAPALLI N. RAO, WILLIAM R. WALDRON, AND JAMES V. AQUAVELLA	523
Athalamia as a late complication after keratoplasty on aphakic eyes	H. D. GNAD	528
Fish hook injuries of the eye	R. S. BARTHOLOMEW AND MARGARET MACDONALD	531
Ophthalmoplegic migraine and aberrant regeneration of the oculomotor nerve	JUSTIN O'DAY, FRANK BILLSON, AND JOHN KING	534
Ultrastructure of fenestrations in endothelial choriocapillaries of the rabbit—a freeze-fracturing study	S. MELAMED, I. BEN-SIRA, AND Y. BEN-SHAUL	537
Correspondence		544
Notes		544

No. 8 August 1980

Management of optic nerve gliomas	J. E. WRIGHT, W. I. MCDONALD, AND N. B. CALL	545
Primary optic nerve meningioma	J. E. WRIGHT, N. B. CALL, AND S. LIARICOS	553
Human chorioretinal biopsy under controlled systemic hypotensive anaesthesia	I. J. CONSTABLE, G. H. CHESTER, R. HORNE, AND J. F. HARRIOTT	559
Pattern of mortality in choroidal malignant melanoma	R. B. S. PACKARD	565
Lymphoproliferative response as an index of cellular immunity in malignant melanoma of the uvea and its correlation with the histological features of the tumour	M. S. NOOR SUNBA, A. H. S. RAHI, G. MORGAN, AND E. J. HOLBOROW	576
Use of the Arden grating test for screening	ROBERT G. WEATHERHEAD	591
Clinical trial of the use of rotating grating patterns in the treatment of amblyopia	C. G. KEITH, E. R. HOWELL, D. E. MITCHELL, AND S. SMITH	597
Lack of positive results of a physiologically based treatment of amblyopia	KENNETH J. CIUFFREDA, KIM GOLDNER, AND ROBERT CONNELLY	607
Loss of contrast sensitivity following contusional eye injury	Y. CANAVAN AND D. B. ARCHER	613
A 10-year survey of eye injuries in Northern Ireland, 1967-76	Y. M. CANAVAN, M. J. O'FLAHERTY, D. B. ARCHER, AND J. H. ELWOOD	618

Desferrioxamine in ocular siderosis: a long-term electrophysiological evaluation SONJA S. DECLERCO	626
Traumatic aniridia and aphakia with scleral buckling: a case report CHAKKO PUTHENPURAYIL THOMMY	630
The congenital warfarin syndrome: a case report MARJORIE BAILLIE, E. DAVID ALLEN, AND ANDREW R. ELKINGTON	633
Book reviews	636
Correspondence	638
Obituary	640
Notes	640

No. 9 September 1980

Photography of the retinal nerve fibre layer: an optimised procedure LARS FRISÉN	641
Acquired medullated nerve fibres G. S. BAARMSA	651
Benign familial fleck retina SURA F. SABEL AISH AND BASEM DAJANI	652
Posterior ocular abnormalities after irradiation for retinoblastoma: a histopathological study PETER R. EGBERT, LUIS F. FAJARDO, SARAH S. DONALDSON, AND KAMBIZ MOAZED	660
Fluorescein angiography in toxæmia of pregnancy WILLIAM MABIE AND RICHARD R. OBER	666
Fungal retinitis: a case of <i>Torulopsis glabrata</i> infection treated with miconazole ROBIN B. FITZSIMONS, MARYANN D. NICHOLLS, F. A. BILLSON, T. I. ROBERTSON, AND P. HERSEY	671
Pseudomonas endophthalmitis associated with scleral necrosis K. H. TARR AND I. J. CONSTABLE	676
Post kala azar uveitis W. DECHANT, P. H. REES, P. A. KAGER, V. KLAUSS, AND H. ADALA	680
<i>Staphylococcus epidermidis</i> endophthalmitis following intraocular lens implantation DAVID J. SCHANZLIN, DANIEL B. GOLDBERG, AND STUART I. BROWN	684
Intraocular lens implantation by surgeons in training G. A. SUTTON	687
Glucose tolerance tests in 200 patients with senile cataract W. N. DUGMORE AND K. TUN	689
Tear glucose levels in normal people and in diabetic patients D. K. SEN AND G. S. SARIN	693
Fluid uptake in Schirmer papers and its relevance to their employment in tear collection for lysozyme tests TERENCE J. HYPHER	696
Quantitative tear lysozyme assay: a new technique for transporting specimens D. V. SEAL, I. A. MACKIE, R. L. COAKES, AND B. FAROOQI	700
Sampling systems for visual field assessment and computerised perimetry N. DRASDO AND W. C. PEASTON	705
Static perimetry in the study of amblyopic scotomata D. P. AGGARWAL AND GOPAL VERMA	713
Iridocyclotraction in closed-angle glaucoma P. D. BLACK	717
Trabeculectomy combined with cataract extraction: a follow-up study R. S. EDWARDS	720

No. 10 October 1980

Editorial: Batten's disease	725
Juvenile Batten's disease: an ophthalmological assessment of 26 patients D. J. SPALTON, D. S. I. TAYLOR, AND M. D. SANDERS	726
Adult vitelliform macular degeneration: diagnosis and natural history GIL A. EPSTEIN AND MAURICE F. RABB	733
Permanent retinal damage following massive dapson overdose D. J. KENNER, K. HOLT, R. AGNELLO, AND G. H. CHESTER	741
Oxygen dissociation curve in Eales's disease D. L. BOASE, R. E. GALE, AND E. R. HUEHNS	745
Leber's optic neuropathy: clinical and visual evoked response studies in asymptomatic and symptomatic members of a 4-generation family I. R. LIVINGSTONE, F. L. MASTAGLIA, J. W. HOWE, AND G. E. S. AHERNE	751
Treatment of acute retrolental fibroplasia by cryopexy I. BEN-SIRA, I. NISSENKORN, E. GRUNWALD, AND Y. YASSUR	758
A comparison of acyclovir and idoxuridine as treatment for ulcerative herpetic keratitis DOUGLAS J. COSTER, K. R. WILHELMUS, R. MICHAUD, AND BARRIE R. JONES	763
Randomised double-blind trial of acyclovir and idoxuridine in dendritic corneal ulceration L. M. T. COLLUM, A. BENEDICT-SMITH, AND I. B. HILLARY	766
Endogenous dissemination of genital <i>Herpesvirus hominis</i> type 2 to the eye KAREN D. SUMERS, JOEL SUGAR, AND ROBERT LEVINE	770
Glaucoma in a case of Hurler disease ELIZABETH SPELLACY, J. L. KENNERLEY BANKES, JULIE CROW, R. DOURMASHKIN, D. SHAH, AND R. W. E. WATTS	773

Contents

Addition of timolol maleate to routine medical therapy: a clinical trial REDMOND J. SMITH, S. NAGASURBRAMANIAN, R. WATKINS, AND D. POINOOSAWMY	779
Ophthalmic manifestations of primary oxalosis A. R. FIELDER, A. GARNER, AND T. L. CHAMBERS	782
Eye manifestations in medullary carcinoma of the thyroid MOURAD K. KHALIL AND DARIO W. C. LORENZETTI	789
Ocular reticulum cell sarcoma JOHN W. SIMON AND ALAN H. FRIEDMAN	793
Correspondence	800
Notes	800

No. 11 November 1980

Experimental posterior penetrating eye injury in the rhesus monkey: vitreous-lens admixture PHILIP E. CLEARY, GLEN JARUS, AND STEPHEN J. RYAN	801
Penetrating eye injuries: a histopathological review STUART R. WINTHROP, PHILIP E. CLEARY, DONALD S. MINCKLER, AND STEPHEN J. RYAN	809
Experimental occlusion of the central artery of the retina. IV. Retinal tolerance time to acute ischaemia SOHAN SINGH HAYREH AND THOMAS A. WEINGEIST	818
Ischaemic optic neuropathy—a combined mechanism JACK ROOTMAN AND DAVID BUTLER ..	826
Photocoagulation in proliferative sickle retinopathy: results of a 5-year study PATRICK I. CONDON AND GRAHAM R. SERJEANT	832
Superficial reticular degeneration of Koby HENRY D. PERRY AND HAROLD G. SCHEIE	841
Abnormal intraocular pressure control in systemic hypertension and diabetic mellitus BILLIE I. WILLIAMS, W. S. PEART, AND E. LETLEY	845
Colour vision in patients with chronic simple glaucoma and ocular hypertension D. POINOOSAWMY, S. NAGASURBRAMANIAN, AND J. GLOSTER	852
Interocular comparison of contrast sensitivities in glaucoma patients and suspects ADAM ATKIN, MURRAY WOLKSTEIN, IVAN BODIS-WOLLNER, MALVIN ANDERS, BARRY KELS, AND STEVEN M. PODOS	858
Contrast sensitivity in children and adults L. D. BEAZLEY, D. J. ILLINGWORTH, A. JAHN, AND D. V. GREER	863
Tumours of the anterior uvea. III. Oxytalan fibres in the differential diagnosis of leiomyoma and malignant melanoma of the iris M. S. NOOR SUNBA, A. H. S. RAHI, A. GARNER, R. A. ALEXANDER, AND G. MORGAN	867
Book reviews	875
Obituary	877
Notes	878

No. 12 December 1980

Editorial: Photogrammetry of the optic disc	879
Photogrammetry experiments with a model eye A. R. ROSENTHAL, D. G. FALCONER, AND I. PIEPER	881
Microepithelial cysts observed in extended contact-lens wearing subjects J. A. HUMPHREYS, J. R. LARKE, AND S. T. PARRISH	888
West Indian punctate keratopathy in a Caucasian C. A. BUCKLEY AND A. J. BRON	890
Branhamella keratitis K. R. WILHELMUS, J. PEACOCK, AND D. J. COSTER	892
Experimental occlusion of the central artery of the retina. I. Ophthalmoscopic and fluorescein fundus angiographic studies SOHAN SINGH HAYREH AND THOMAS A. WEINGEIST	896
Visual prognosis following treatment of acute central retinal artery obstruction JAMES J. AUGSBURGER AND LARRY E. MAGARGAL	913
Central retinal artery occlusion following cosmetic blepharoplasty PHILLIP W. KELLY AND DONALD R. MAY	918
Mechanism of rotatory eye movements in opsoclonus M. A. GRESTY, L. J. FINDLEY, AND PAULINE WADE	923
Study of congenital nystagmus: optokinetic nystagmus ROBERT D. YEE, ROBERT W. BALOH, AND VICENTE HONRUBIA	926
Contraction anisocoria: nasal versus temporal illumination SHIRLEY A. SMITH AND S. E. SMITH	933
Oncocytomas (oxyphil adenomas) of the lacrimal caruncle I. G. RENNIE	935
A new lid clamp CHAKKO PUTHENPURAYIL THOMMY	940
Book reviews	941
Index 1980	942