

identifiable acute exacerbations. The monthly distribution of these incidences, separately and in combination, is indicated in Fig. 1.

There is little difference in the incidence per month of initial episodes (χ^2 with 11 degrees of freedom = 10.617—not significant). More exacerbations, however, occurred in July than in any other month, but this increase in July is balanced by a decrease in June and August. When the incidence for three-monthly periods throughout the year is compared, there is no evidence of seasonal preponderance either for total episodes (January to March, 130;

April to June, 120; July to September, 131; October to December, 133) or for initial episodes or exacerbations.

The author wishes to thank the North-East Multiple Sclerosis Trust for the financial support which has made this work possible, and Dr. Henry Miller for suggesting the subject of the present investigation.

REFERENCES

- Limburg, C. L. (1950). *Res. Publ. Ass. nerv. ment. Dis.*, XXVIII, 15.
Hopkins, C. E., and Swank, R. L. (1955). *A.M.A. Arch. Neurol. Psychiat.*, 74, 203.

THE AUGUST (1959) ISSUE

The August (1959) issue contains the following papers:—

Memories of Hugh Cairns Sir Geoffrey Jefferson.

Changes in Human Muscles after Permanent Tenotomy. S. Sunderland and J. O. Lavarack.

The Range of Conduction Velocity in Normal Motor Nerve Fibres to the Small Muscles of the Hand and Foot. P. K. Thomas, T. A. Sears, and R. W. Gilliatt.

A Clinical and Experimental Study of the Effects of Exercise on Motor Weakness in Neurological Disease. J. A. R. Lenman.

A Case of Spontaneous Dissecting Aneurysm of the Internal Carotid Artery. R. McD. Anderson and M. M. Schechter

Ruptured Posterior Fossa Aneurysms and their Surgical Treatment. Helen Dimsdale and Valentine Logue.

The Association of Cerebral Angiomas with Intracranial Aneurysms. J. S. Boyd-Wilson.

Congenital Arteriovenous Fistula with Aneurysm of the Great Cerebral Vein and Hydrocephalus Treated Surgically. James B. Gibson, Alexander R. Taylor, and Alan E. Richardson.

Traumatic Thrombosis of the Internal Carotid Artery. T. D. R. Hockaday.

Clinical and Electroencephalographic Investigations in Myoclonic Cerebellar Dyssynergia. A. Kreindler, E. Crichel, and I. Poilici.

Is Lumbar Puncture Harmful in Multiple Sclerosis? Kurt Schapira.

Slowness in Schizophrenia. Arthur Harris and Maryse Metcalfe.

The Use of an Object Sorting Test in Elucidating the Hereditary Factor in Schizophrenia. N. McConaghy.

A Clinical and Biochemical Study of a Trial of Iproniazid in the Treatment of Depression. C. M. B. Pare and M. Sandler.

A Cerebrospinal Fluid Bank. Harold C. Voris and Peter J. Talso.

Book Reviews.

A number of copies are still available and may be obtained from the Publishing Manager, British Medical Association, Tavistock Square, W.C.1, price 17s. 6d.

INDEX TO VOLUME 22, 1959

A

- Acrylic inlays, paraspinal, use of, in treatment of cervical and lumbar spondylosis, 84
 Affective illness with overt anxiety, prognosis for, 338
 Amytal, intracarotid, neurological changes with, 333
 ANDERSON, P. J., *see* WERMAN, R., CHRISTOFF, N., and ANDERSON, P. J.
 ANDERSON, R. MCD., and SCHECHTER, M. M.: A case of spontaneous dissecting aneurysm of the internal carotid artery, 195
 Aneurysms, arteriovenous, congenital intraorbital, 330
 ———, intracranial, association with cerebral angiomas, 218
 ———, ———, fatal ruptured, brain changes in, 78
 ———, ———, pathogenesis and natural history of, 259
 ——— of great cerebral vein with congenital arteriovenous fistula and hydrocephalus treated surgically, 224
 ——— of internal carotid artery, spontaneous dissecting, 195
 ——— of middle cerebral artery, 77
 ———, ruptured posterior fossa, and their surgical treatment, 202
 Angiomas, cerebral, association with intracranial aneurysms, 218
 Anticoagulant therapy in cerebro-vascular disease, controlled clinical trial of, 347
 Anxiety, overt, effective illness with, prognosis for, 338
 ARAKI, S., *see* MCALPINE, D., *et al.*
 Arteriovenous aneurysm, congenital intraorbital, 330
 ——— fistula, congenital, with aneurysm of great cerebral vein and hydrocephalus treated surgically, 224
 Astrocytoma, cerebral, malignant, management of, 83
 Atlanto-axial dislocation, "spontaneous", 77

B

- BARNETT, H. J. M., and LOUGHEED, W. H.: Therapy in carotid artery disease, 347
 BECK, E., *see* BRIERLEY, J. B., and BECK, E.
 Behaviour, some aspects of the effects of acute reserpine treatment on, 11
 Blood-cerebrospinal fluid bromide ratios in mental patients, 61
 Books received:
 ACKERKNECHT, E. H.: A short history of psychiatry, 1959, 353
 AHRENFELDT, R. H.: Psychiatry in the British Army in the second world war, 1958, 154
 AUERBACH, A.: Schizophrenia, 1959, 354
 BATTISTA, O. A.: Enjoy work and get fun out of life, 1959, 353
 BENTON, A. L.: Right-left discrimination and finger localization, 1959, 354
 BOVET, D., *et al.*, eds.: Curare and curare-like agents, 1959, 258
 BROOKE, C. MCC., and CRANFIELD, P. F., eds.: The historical development of physiological thought, 1959, 354
 COERS, C., and WOOLF, A. L.: The innervation of muscle, 1959, 258
 CONEL, J. LEROY: The cortex of the twenty-four-month infant, 1959, 354
 CUMINGS, J. N.: Heavy metals and the brain, 1959, 354
 EECKEN, H. M. VANDER: Anastomoses between the leptomeningeal arteries of the brain, 1959, 354
 FERREIRA ALVES, A., and ANDRADE, C.: Traumatismos vertebro-medulares cervicais com perturbações nervosas, 1958, 154
 FISCHGOLD, H., and MATHIS, P.: Obnubilations, comas et stupeurs, 1959, 354
 GUIOT, G., *et al.*: Adénomes hypophysaires, 1958, 154
 GUILLAUMAT, L., MOROX, P.-V., and OFFRET, G.: Neuro-ophthalmologie, 1957, 354
 HANRAETS, P. R. M. J.: The degenerative back, 1959, 353
 KIES, M. W., and ALVORD, E. C., jr., eds.: "Allergic" encephalomyelitis, 1959, 354
 KOLLE, K., ed.: Grosse Nervenärzte. Vol. 2, 1959, 154
 ———: Der Psychiater, 1959, 154
 ———: Psychiatrie und Nervenlinik, 1959, 354
 KRETSCHMER, E.: Mehrdimensionale Diagnostik und Therapie, 1958, 154
 LOCKHART, R. D., HAMILTON, G. F., and FYFE, F. W.: Anatomy of the human body, 1959, 353
 MERCIER, F., ed.: Les médicaments du système nerveux cérébro-spinal, 1959, 258
 MERRITT, H. H.: A textbook of neurology, 2nd ed., 1959, 353
 MEYER, J.-E.: Die Entfremdungsergebnisse, 1959, 258

- MEYERS, J. K., and ROBERTS, B. H.: Family and class dynamics in mental illness, 1959, 353
 MINSKI, L.: Practical handbook of psychiatry for students and nurses, 4th ed., 1959, 258
 MONRO, P. A. G.: Sympathectomy, 1959, 353
 MORRISON, L. R., *et al.*: The effect of advancing age upon the human spinal cord, 1959, 258
 MUSSET, P. P.: Psychosomatic correlation in its biochemical aspect, 1958, 154
 Nat. Inst. Health: Temporal lobe epilepsy, 1958, 154
 NITTNER, K., and STEINMANN, H. W.: Klinik und Therapie symptomatischer Anfallsleiden, 1959, 353
 NOORDENBOS, W.: Pain, 1959, 354
 NOVIES, V.: Mental illness in London, 1959, 258
 NUNBERG, H.: Neubearbeitete und Erweiterte, 1959, 354
 PETIT-DUTAILIS, D., and BERNARD-WEIL, E.: Métabolisme de l'œu dans les traumatismes du crâne, 1958, 154
 PLANIOL, T.: Diagnostic des lésions intra-craniennes par les radioisotopes, 1959, 258
 RENDER, H. W., and WEISS, M. O.: Nurse-patient relationships in psychiatry, 2nd ed., 1959, 258
 RINKEL, M., and HIMWICH, H., eds.: Insulin treatment in psychiatry, 1959, 354
 ROSSELLE, N., *et al.*: Electromyographie dans les maladies nerveuses et dans le cryptotétanie, 1958, 258
 ROUSSEL, J., *et al.*: Cliniques radiologiques, 1959, 354
 RUSSELL, D. S., and RUBINSTEIN, L. J.: The pathology of tumours of the nervous system, 1959, 353
 Society for Psychosomatic Research: The nature of stress disorder, 1959, 258
 SPURLING, R. G., WOODHALL, B., and MCFETRIDGE, E. M., eds.: Surgery in World War II: Neurosurgery, vol. 1, 1958, 354
 STALLWORTHY, K. R.: A manual of psychiatry, 1959, 354
 STENSTEDT, A.: Involutional melancholia, 1959, 258
 STOOKEY, B., and RANSOHOFF, J.: Trigeminal neuralgia, 1959, 354
 TALAIRACH, J., *et al.*: L'exploration chirurgicale stéréotaxique du lobe temporal dans l'épilepsie temporelle, 1958, 154
 V.A.: Research in aging, 1959, 353
 WULFF, M. H.: The barbiturate withdrawal syndrome, 1959, 354
 Book Reviews:
 A.R.N.M.D.: The brain and human behaviour, 1958, 150
 BALDWIN, M., and BAILEY, P., eds.: Temporal lobe epilepsy, 1958, 348
 BARBARA, D. A.: Stuttering, 1958, 353
 BODECHTEL, G.: Differentialdiagnose neurologischer Krankheitsbilder, 1958, 257
 BOHM, E.: A textbook in Rorschach test diagnosis, 1958, 352
 BONNAL, J., and LEGRÉ, J.: L'angiographie cérébrale, 1958, 348
 BOOR, W. DE: Pharmakopsychologie und Psychopathologie, 1956, 85
 BOUDIN, G., and PEPIN, B.: Dégénérescence hépato-lenticulaire, 1959, 349
 BRAIN, SIR R.: The nature of experience, 1959, 255
 BRAZIER, M. A. B., ed.: The central nervous system and behaviour, 1959, 257
 BRODAL, A.: The cranial nerves, 1959, 354
 CAUDILL, W.: The psychiatric hospital as a small society, 1958, 153
 Ciba Foundation: Symposium: The cerebrospinal fluid, 1958, 90
 ———: Symposium on the neurological basis of behaviour, 1958, 150
 CLARKE, A. M., and CLARKE, A. D. B., eds.: Mental deficiency: the changing outlook, 1958, 351
 COBB, S.: Foundations of neuropsychiatry, 6th ed., 1958, 90
 COIRAULT, R., *et al.*: Le syndrome de Guillain-Barré, 1958, 256
 CONNELL, P. H.: Amphetamine psychosis, 1958, 350
 COOPER, B. P.: Minds matter, 1958, 257
 CORSINI, R.: Methods of group psychotherapy, 1957, 86
 CRUE, B. L., jr.: Medulloblastoma, 1958, 257
 DAWSON, W. S.: Mental disorders, 5th ed., 1958, 351
 DEJONG, R. N.: The neurologic examination, 1958, 151
 DELMAS, A., and PERTUISSET, B.: Topométrie crano-encéphalique chez l'homme, 1959, 348
 DE SAVITSCH, E.: Homosexuality, transvestism and change of sex, 1958, 89
 ELSASSER, W. M.: The physical foundation of biology, 1958, 153
 FAURE, H.: Cure de sommeil collective et psychothérapie de groupe, 1958, 352

- FIELDS, W. S.: *ed.*: Pathogenesis and treatment of Parkinsonism, 1958, 256
- FREEMAN, T., CAMERON, J. L., and MCGHIE, A.: Chronic schizophrenia, 1958, 88
- GARDNER, E.: Fundamentals of neurology, 3rd ed., 1958, 89
- GELLHORN, E.: Automatic imbalance and the hypothalamus, 1958, 150
- GIBBS, F. A., and STAMPS, F. W.: Epilepsy handbook, 1958, 152
- GURDJIAN, E. S., and WEBSTER, J. E.: Head injuries, 1958, 151
- HAAS, A. M. L. de, *ed.*: Lectures on epilepsy, 1959, 152
- HARROWER, M.: Personality change and development as measured by the projective techniques, 1958, 352
- HAYNES, B. G.: Autonomic dyspraxia, 1958, 90
- HENKE, F., LUBARSCHE, O., and RÖSSLE, A., *eds.*: Handbuch der speziellen pathologischen Anatomie und Histologie, Vol. XIII, 1958, 85
- Henry Ford International Symposium: Reticular formation of the brain, 1957, 151
- HESS, R.: Electroencephalographische Studien bei Hirntumoren, 1958, 89
- HOLT, R. R., and LUBORSKY, L.: Personality patterns of psychiatrists, 2 vols., 1958, 349
- Houston Neurological Society: Viral encephalitis, 1958, 90
- ILLINGWORTH, R. S., *ed.*: Recent advances in cerebral palsy, 1958, 152
- JANIS, I. L.: Psychological stress, 1958, 349
- KARPMAN, B., *ed.*: Symposia on child and juvenile delinquency, 1959, 353
- KLEIN, M.-R., *et al.*: L'hydrocéphalie du nourrisson, 1958, 89
- KLEIST, K.: Sensorische Aphasien und Amusien auf myeloarchitektonischer Grundlage, 1959, 257
- KREINDLER, A., and STERIADE, M.: La physiologie et la pathologie du cerveau, 1958, 87
- KRETSCHMER, E.: Geniale Menschen, 5th ed., 1958, 349
- : Hysterie, Reflex und Instinkt, 6th ed., 1958, 353
- LUMSDEN, C. E.: Nourishing brain cells, 1959, 256
- MCILWAIN, H.: Biochemistry and the central nervous system, 2nd ed., 1959, 256
- MAGOUN, H. W.: The waking brain, 1958, 150
- MARSHALL, J.: Clinical neurophysiology, 1959, 255
- MATZKER, J.: Ein binauraler Hörstests-Test zum Nachweis zerebraler Hörstörungen, 1958, 255
- MEDUNA, J. J.: Carbon dioxide therapy, 2nd ed., 1958, 351
- MEERLOO, J. A. M.: Mental seduction and menticide, 1957, 86
- MINSKI, L.: Deafness, mutism and mental deficiency in children, 1957, 86
- MORIN, G.: Physiologie du système nerveux central, 3rd ed., 1958, 255
- MÜLLER, R., *et al.*: Sequelae of primary aseptic meningoenzephalitis, 1958, 257
- NATO Handbook: Emergency war surgery, 1958, 257
- NORDLIE, R.: Chronic subdural hematoma, 1958, 348
- OTTONELLO, P., and VASSURA, G. W.: Neurofilamologia, 1959, 349
- PENFIELD, W.: The excitable cortex in conscious man, 1958, 150
- PENNES, H. H., *ed.*: Psychopharmacology, 1958, 152
- POOL, J. L., and PAVA, A. A.: The early diagnosis and treatment of acoustic nerve tumours, 1957, 86
- POYNTER, F. N. L., *ed.*: The history and philosophy of knowledge of the brain and its functions, 1958, 150
- Recent progress in psychiatry, Vol. 3, 1959, 350
- RODGER, T. F., MOWBRAY, R. M., and ROY, J. R., *eds.*: Topics in psychiatry, 1958, 351
- ROTHENSTEIN, J.: Communication, organization and science, 1958, 353
- RUGGIERO, G.: L'encéphalographie fractionnée, 1957, 87
- RUSS, J. D., and SOBOLOFF, H. R.: A primer of cerebral palsy, 1958, 152
- RUSSELL, W. R.: Brain—memory—learning, 1959, 149
- SCHNEIDER, K.: Psychopathic personalities, 9th ed., 1958, 257
- STAFFORD-CLARK, D.: British Red Cross Society mental health manual, 1958, 90
- STENGEL, E., and COOK, N. G.: Attempted suicide, 1958, 153
- TALAIRACH, J., *et al.*: Atlas d'anatomie stéréotaxique, 1957, 86
- WALSHE, Sir F.: Diseases of the nervous system, 1958, 151
- WALTON, J. N., and ADAMS, R. D.: Polymyositis, 1958, 88
- WARTENBERG, R.: Neuritis, sensory neuritis, neuralgia, 1958, 89
- WERRE, P. F.: The relationship between electroencephalographic and psychological data in normal adults, 1957, 86
- WEWETZER, K. H.: Das hirngeschädigte Kind, 1959, 352
- WIKLER, A.: The relation of psychiatry to pharmacology, 1957, 151
- WINDLE, W. F., *ed.*: Biology of neuroglia, 1959, 256
- , —: Neurological and psychological deficits of asphyxia neonatorum, 1958, 153
- WOLFF, H., and WOLF, S.: Pain, 1959, 349
- WOLPE, J.: Psychotherapy by reciprocal inhibition, 1958, 88
- W.H.O.: Ataractic and hallucinogenic drugs in psychiatry, 1958, 350
- : Mental health aspects of the peaceful uses of atomic energy, 1958, 351
- ZULCH, K. J.: Die Hirngeschwülste in biologischer und morphologischer Darstellung, 3rd ed., 1958, 89
- BORNSTEIN, B., and KIDRON, D. P.: Prosopagnosia, 124
- BOWSER, D.: The anatomy of thalamic pain, 81
- BOYD-WILSON, J. S.: The association of cerebral angiomas with intracranial aneurysms, 218
- Brain changes in fatal, ruptured, intracranial aneurysms, 78
- haemorrhage, primary, surgical treatment of, 347
- lesions, discrete destructive, method for localization and production of, 109
- of guinea-pig, histochemical distribution of phosphorylase in, 325
- surgery, stereotactic: significance of individual variation in the diencephalon and globus pallidus, 287
- BRAVO, G. J., and COOPER, I. S.: A clinical and radiological correlation of the lesions produced by chemopallidectomy and thalamectomy, 1
- BRIERLEY, J. B., and BECK, E.: The significance in human stereotactic brain surgery of individual variation in the diencephalon and globus pallidus, 287
- Broca's contribution, reviewed a century later, 344
- BRODAL, A., and HAUGLIE-HANSEN, E.: Congenital hydrocephalus with defective development of the cerebellar vermis, 99
- Bromide, blood-cerebrospinal fluid ratios in mental patients, 61
- BROWN, D. D., *see* DENNY-BROWN, D.

C

- Cairns, Hugh, memories of (*Sir Hugh Cairns Memorial Lecture*), 155
- CAMPILLO, D., *see* JACAS, R., LEY, A., and CAMPILLO, D.
- CARMICHAEL, E. A., *see* OGDEN, T. E., ROBERT, F., and CARMICHAEL, E. A.
- Carotid artery disease, therapy in, 347
- internal, spontaneous dissecting aneurysm of, 195
- traumatic thrombosis of, 229
- CAUGHEY, J. E., and PACHOMOV, N.: The diaphragm in dystrophia myotonica, 311
- Cerebellar vermis, defective development of, with congenital hydrocephalus, 99
- Cerebral artery, middle, aneurysms of, 77
- vein, great, aneurysm of, with congenital arteriovenous fistula and hydrocephalus treated surgically, 224
- Cerebrospinal fluid bank, 252
- blood bromide ratios in mental patients, 61
- cholesterol and cholesterol ester content of, in patients with multiple sclerosis and other neurological diseases, 117
- Cerebrovascular disease, controlled clinical trial of anticoagulant therapy in, 347
- Cervical canal, colloid cysts of, 342
- CEVALLOS, W., *see* GREEN, J. B., *et al.*
- Chemopallidectomy and thalamectomy, clinical and radiological correlation of the lesions produced by, 1
- Chiasma, prefixed, temporal approach to tumours of sella turcica in presence of, 79
- Cholesterol and cholesterol ester content of cerebrospinal fluid in patients with multiple sclerosis and other neurological diseases, 117
- CHRISTOFF, N., *see* WERMAN, R., CHRISTOFF, N., and ANDERSON, P. J.
- Circle of Willis, collateral circulation through anterior segment of, angiographic test of, 64
- Conduction velocity in normal motor nerve fibres to small muscles of hand and foot, range of, 175
- CONNOLLY, C.: Aneurysms of the middle cerebral artery, 77
- Convulsive phenomena following head injuries, 342
- COOPER, I. S., *see* BRAVO, G. J., and COOPER, I. S.
- COPPEN, A. J.: Blood-cerebrospinal fluid bromide ratios in mental patients, 61
- COWAN, G. A. B., *see* FEINDEL, W., *et al.*
- COX, G. H., and MARLEY, E.: The estimation of motility during rest or sleep, 57
- CRAWFORD, T.: Some observations on the pathogenesis and natural history of intracranial aneurysms, 259
- CRIGHEL, E., *see* KREINDLER, A., CRIGHEL, E., and POILICI, I.
- CRITCHLEY, M.: Broca's contribution, reviewed a century later, 344
- Cushing's syndrome, myopathy in, 314
- Cysts, colloid, of cervical canal, 342

D

- Dandy-Walker syndrome, 99
- DAVIES, F. L.: Mental abnormalities following subdural haematoma, 78
- Demyelinating disease, acute, complicating herpes zoster, 120
- DENNY-BROWN, D., *see* RUSHWORTH, G., and DENNY-BROWN, D.
- Depression, iproniazid in treatment of, 247
- Dermal sinuses, neuraxial congenital, 342
- Diaphragm in dystrophia myotonica, 311
- Diencephalon, individual variation in, significance of, in stereotactic brain surgery, 287
- DIMSDALE, H., and LOGUE, V.: Ruptured posterior fossa aneurysms and their surgical treatment, 202
- Dyssynergia, myoclonic cerebellar, clinical and electroencephalographic investigations of, 232
- Dystrophia myotonica, diaphragm in, 311

E

- Echo-encephalography, experiences with, 83
 Electro-encephalographic abnormalities, generalized, application in general medical conditions of a visual method of assessing and representing, 69
 Electromyographic changes, quantitative, associated with muscular weakness, 306
 Encephalography, radioactive, 342
 Epilepsy, 700 cases of, 81

F

- FEDORUL, S., *see* FEINDEL, W., *et al.*
 FEINDEL, W., *et al.*: Radioactive encephalography: automatic brain scanning using radioactive iodinated albumin, 342
 Fibroid, uterine, extraspinal metastasis from, paraplegia caused by, 141
 Foot, small muscles of, range of conduction velocity in normal motor nerve fibres to, 175
 Foramina of Magendie and Luschka, so-called atresia of, 99
 FORSTER, F. M., *see* GREEN, J. B., *et al.*
 Fossa, posterior, ruptured aneurysms of, surgical treatment of, 202
 FRIEDE, R. L.: Histochemical distribution of phosphorylase in the brain of the guinea-pig, 325
 Frontal cortex, ablation of, in monkeys, two components of grasp reflex after, 91

G

- GIBSON, J. B., TAYLOR, A. R., and RICHARDSON, A. E.: Congenital arteriovenous fistula with an aneurysm of the great cerebral vein and hydrocephalus treated surgically, 224
 GILLIATT, R. W.: Peripheral nerve conduction in neurological patients, 344
 ———, *see also* THOMAS, P. K., SEARS, T. A., and GILLIATT, R. W.
 Gliomas, behaviour of, in tissue culture, 342
 Globus pallidus, individual variation in, significance of in stereotactic brain surgery, 287
 GLOW, P. H.: Some aspects of the effects of acute reserpine treatment on behaviour, 11
 GOULD, C. E. G.: Results of modern treatment of head injuries, 345
 Grasp reflex, two components of, after ablation of frontal cortex in monkeys, 91
 GREEN, J. B., *et al.*: The cholesterol and cholesterol ester content of cerebrospinal fluid in patients with multiple sclerosis and other neurological diseases, 117
 Guinea-pig, brain of, histochemical distribution of phosphorylase in, 325
 GUTHKELCH, A. N.: Treatment of head injuries, 346

H

- Haematoma, subdural, mental abnormalities following, 78
 Hand, small muscles of, range of conduction velocity in normal motor nerve fibres to, 175
 HANNAH, R. H.: Review of 700 cases of epilepsy, 81
 HANSEN, E. H., *see* HAUGHLIE-HANSEN, E.
 HARRIS, A., and METCALFE, M.: Slowness in schizophrenia, 239
 HARRIS, P.: The management of malignant cerebral astrocytoma, 83
 HAUGHLIE-HANSEN, E., *see* BRODAL, A., and HAUGHLIE-HANSEN, E.
 Head injuries, acute, 80
 ———, convulsive phenomena following, 342
 ———, modern treatment of, results of, 345
 HENDRICK, E. B.: Treatment of head injuries, 346
 Herpes zoster, acute demyelinating disease complicating, 120
 HESS, W. C., *see* GREEN, J. B., *et al.*
 HINTON, J. M., and MARLEY, E.: The effects of meprobamate and pentobarbitone sodium on sleep and motility during sleep, 137
 HOCKADAY, T. D. R.: Traumatic thrombosis of the internal carotid artery, 229
 HUGHES, R.: Some unusual cases of neurosyphilis, 81
 Hydrocephalus, communicating, treated by theco-peritoneal anastomosis, late results, 84
 ———, congenital, with defective development of cerebellar vermis, 99
 ———, Spitz-Holter valve in treatment of, 82
 ———, ventriculo-peritoneal anastomosis in treatment of, 84
 ———, with congenital arteriovenous fistula and aneurysm of great cerebral vein treated surgically, 224
 Hyperthermia, induced, effects of, on patients with multiple sclerosis, 113
 Hypothyroidism, some muscular manifestations of, 320

I

- Intervertebral disc protrusions in childhood and adolescence, 346
 Intracerebral haemorrhage, primary, surgical treatment of, 347
 Intracranial aneurysms, fatal ruptured, brain changes in, 78
 ———, pathogenesis and natural history of, 259
 ———, haemorrhage in childhood, 78
 Iproniazid in treatment of depression, 247

J

- JACAS, R., LEY, A., and CAMPILLO, D.: Congenital intraorbital arteriovenous aneurysm, 330
 JACOBS, D.: On certain acute head injuries, 80
 JEFFERSON, A.: Some experiences with echo-encephalography, 83
 ———, Sir G.: Memories of Hugh Cairns (*Hugh Cairns Memorial Lecture*), 155
 JOHNSTON, R. T.: Colloid cysts of cervical canal, 342

K

- KEITH, W. S.: Neuraxial congenital dermal sinuses, 342
 KERR, A. S.: Two unusual cases: multiple meningiomata preceded by a spinal neurofibroma, and "spontaneous" atlanto-axial dislocation, 77
 KIDRON, D. P., *see* BIRNSTEIN, B., and KIDRON, D. P.
 KNIGHT, G.: The use of paraspinal acrylic inlays in the treatment of cervical and lumbar spondylolysis and other conditions, 84
 KREINDLER, A., CRIGHEL, E., and POLLICI, I.: Clinical and electro-encephalographic investigations in myoclonic cerebellar dysynergia, 232
 KUGELBERG, E., and LINDBLOM, U.: The mechanism of the pain in trigeminal neuralgia, 36
 ———, *see also* MULLER, R., and KUGELBERG, E.
 KUROIWA, Y., *see* MCALPINE, D., *et al.*

L

- LAIDLAW, J.: The application in general medical conditions of a visual method of assessing and representing generalized electro-encephalographic abnormalities, 69
 LASCELLES, R. G., *see* TOMPKINS, V., LASCELLES, R. G., and MCKINNEY, B.
 LAVARACK, J. O., *see* SUNDERLAND, S., and LAVARACK, J. O.
 LENMAN, J. A. R.: A clinical and experimental study of the effects of exercise on motor weakness in neurological disease, 182
 ———: Quantitative electromyographic changes associated with muscular weakness, 306
 Leptospirosis, neurological aspects of, 143
 Leucotomy, value of, in relation to diagnosis, 132
 LEY, A., *see* JACAS, R., LEY, A., and CAMPILLO, D.
 LINDBLOM, U., *see* KUGELBERG, E., and LINDBLOM, U.
 LOGUE, V., *see* DIMSDALE, H., and LOGUE, V.
 LOUGHEED, W. H., *see* BARNETT, H. J. M., and LOUGHEED, W. H.
 d-Lysergic acid diethylamide after premedication with reserpine, effects of, 24

M

- MCALPINE, D., *et al.*: Acute demyelinating disease complicating herpes zoster, 120
 MCCAUL, I. R.: A method for the localization and production of discrete destructive lesions in brain, 109
 MCCONAGHY, N.: The use of an object sorting test in elucidating the hereditary factor in schizophrenia, 243
 MCDOWELL, F., *see* NELSON, D. A., and MCDOWELL, F.
 MCKINNEY, B., *see* TOMPKINS, V., LASCELLES, R. G., and MCKINNEY, B.
 MCKISSOCK, W.: The surgical treatment of primary intracerebral haemorrhage, 347
 MCNAB, G. H.: The Spitz-Holter valve, 82
 MARLEY, E., *see* COX, G. H., and MARLEY, E.
 ———, *see also* HINTON, J. M., and MARLEY, E.
 MARSHALL, J.: A controlled clinical trial of anticoagulant therapy in cerebrovascular disease, 347
 ———, Physiological tremor in children, 33
 ———, and O'GRADY, F.: The non-specificity of the intrathecal reaction to tuberculin in multiple sclerosis, 277
 Megimide, intracarotid, neurological changes with, 333
 Meningiomata, multiple, preceded by a spinal neurofibroma, 77
 Meprobamate, effect on sleep and motility during sleep, 137
 Mesencephalic tractotomy, stereotactic, sensory, motor, and reflex changes in 2 cases of intractable pain after, 299
 METCALFE, M., *see* HARRIS, A., and METCALFE, M.
 MORLEY, T. P.: Aspects of the behaviour of human gliomas in tissue culture, 342
 Motility during sleep, effect of meprobamate and pentobarbitone sodium on, 137
 ———, or rest, estimation of, 57
 Motor weakness in neurological disease, effects of exercise on, 182
 MULLER, R., and KUGELBERG, E.: Myopathy in Cushing's syndrome, 314
 Muscles, changes in, after permanent tenotomy, 167
 Muscular weakness, quantitative electromyographic changes associated with, 306
 Myopathy in Cushing's syndrome, 314
 Myotonia, relief of, by use of potassium-binding resin, 50

N

- NELSON, D. A., and MCDOWELL, F.: The effects of induced hyperthermia on patients with multiple sclerosis, 113
 Nerve conduction, peripheral, in neurological patients, 344
 — fibres, motor, to small muscles of hand and foot, range of conduction velocity in, 175
 Neuralgia, trigeminal, mechanism of pain in, 36
 Neurofibroma, spinal, preceding multiple meningioma, 77
 Neuropathy, sensory, radicular, non-progressive, 271
 —, —, —, progressive, 269
 Neurosyphilis, unusual cases of, 81

O

- O'CONNELL, J. E. A.: Intervertebral disc protrusions in childhood and adolescence, 346
 O'FLANAGHAN, P. M.: Observations on the injection of xylocaine into the frontal lobes, 82
 OGDEN, T. E., ROBERT, F., and CARMICHAEL, E. A.: Some sensory syndromes in children: indifference to pain and sensory neuropathy, 267
 O'GRADY, F., see MARSHALL, J., and O'GRADY, F.

P

- PACHOMOV, N., see CAUGHEY, J. E., and PACHOMOV, N.
 Pain, congenital indifference to, 267
 —, hysterical, 343
 — in trigeminal neuralgia, mechanism of, 36
 —, intractable, sensory, motor and reflex changes in 2 cases of, after stereotactic mesencephalic tractotomy, 299
 —, psychogenic regional, 343
 PAPADOPOULOS, N., see GREEN, J. B., et al.
 Paraplegia caused by extraspinal metastasis from a uterine fibroid, 141
 PARE, C. M. B., and SANDLER, M.: A clinical and biochemical study of a trial of iproniazid in the treatment of depression, 247
 Parkinson's disease, chemopallidectomy and thalamectomy for, clinical and radiological correlation of the lesions produced by, 1
 PENNYBACKER, J.: Treatment of head injuries, 346
 Pentobarbitone, effect on sleep and motility during sleep, 137
 Peripheral nerve conduction in neurological patients, 344
 Phosphorylase, histochemical distribution of, in brain of guinea-pig, 325
 POILICI, I., see KREINDLER, A., CRIGHEL, E., and POILICI, I.
 POPPEN, J. L.: The temporal approach to tumours of the sella turcica in the presence of a prefixed chiasma, 79
 Potassium-binding resin, relief of myotonia by use of, 50
 Prosopagnosia, 124

R

- Reserpine, premedication with, effects of d-lysergic acid diethylamide after, 24
 — treatment, acute, some aspects of the effects on behaviour, 11
 Resin, potassium-binding, relief of myotonia by use of, 50
 Rest, estimation of motility during, 57
 RICHARDSON, A. E., see GIBSON, J. B., TAYLOR, A. R., and RICHARDSON, A. E.
 ROBERT, F., see OGDEN, T. E., ROBERT, F., and CARMICHAEL, E. A.
 ROBERTSON, J. M.: Ventriculo-peritoneal anastomosis in the treatment of hydrocephalus, 84
 ROBIN, A. A.: The value of leucotomy in relation to diagnosis, 132
 ROGERS, L., and THOMAS, L.: Paraplegia caused by extraspinal metastasis from a uterine fibroid, 141
 —, see also SPILLANE, J. D., and ROGERS, L.
 ROWBOTHAM, G. F.: Results of modern treatment of head injuries, 345
 RUSHWORTH, G., and DENNY-BROWN, D.: The two components of the grasp reflex after ablation of frontal cortex in monkeys, 91
 RUSSELL, R. W. R.: Neurological aspects of leptospirosis, 143
 —, W. R.: Results of modern treatment of head injuries, 345

S

- SANDLER, M., see PARE, C. M. B., and SANDLER, M.
 SCHAPIRA, K.: Is lumbar puncture harmful in multiple sclerosis?, 238
 —: The seasonal incidence of onset and exacerbations in multiple sclerosis, 285
 SCHECHTER, M. M., see ANDERSON, R. MCD., and SCHECHTER, M. M.
 Schizophrenia, hereditary factor in, use of object sorting test in elucidating, 243
 —, slowness in, 239
 Sclerosis, multiple, cholesterol and cholesterol ester content of cerebrospinal fluid in patients with, 117
 —, —, effects of induced hyperthermia on patients with, 113
 —, —, is lumbar puncture harmful in?, 238
 —, —, non-specificity of intrathecal reaction to tuberculin in, 277
 —, —, seasonal incidence of onset and exacerbations in, 285

- SEARS, T. A., see THOMAS, P. K., SEARS, T. A., and GILLIATT, R. W.
 SEDZIMIR, C. B.: An angiographic test of collateral circulation through the anterior segment of the circle of Willis, 64
 —: Intracranial haemorrhage in childhood, 78
 Sella turcica, tumours of, temporal approach to, in presence of a prefixed chiasma, 79
 Sensory neuropathy, radicular, non-progressive, 271
 —, —, progressive, 269
 — syndromes in children, 267
 Sleep and motility during sleep, effect of meprobamate and pentobarbitone sodium on, 137
 —, estimation of motility during, 57
 Society of British Neurological Surgeons, 58th meeting, proceedings, 77
 —, —, —, 59th meeting, proceedings, 342

- SPILLANE, J. D., and ROGERS, L.: Lumbosacral spina bifida cystica with craniovertebral anomalies, 44
 Spina bifida cystica, lumbosacral, with craniovertebral anomalies: report of 2 cases presenting with neurological disorder in adult life, 44
 Spine, intervertebral disc protrusions in childhood and adolescence, 346
 Spondylosis, cervical and lumbar, use of paraspinal acrylic inlays in treatment of, 84
 Spitz-Holter valve, 82
 Stereotactic brain surgery: significance of individual variation in diencephalon and globus pallidus, 287
 — mesencephalic tractotomy, sensory, motor, and reflex changes in 2 cases of intractable pain after, 299
 STRATFORD, J., see FEINDEL, W., et al.
 Subdural haematoma, mental abnormalities following, 78
 SUNDERLAND, S., and LAVARACK, J. O.: Changes in human muscles after permanent tenotomy, 167

T

- TALSO, P. J., see VORRIS, H. C., and TALSO, P. J.
 TAYLOR, A. R.: Late results in 5 cases of communicating hydrocephalus treated by theco-peritoneal anastomosis, 84
 —, see also GIBSON, J. B., TAYLOR, A. R., and RICHARDSON, A. E.
 Tenotomy, permanent, changes in human muscles after, 167
 Thalamectomy and chemopallidectomy, clinical and radiological correlation of the lesions produced by, 1
 Thalamic pain, anatomy of, 81
 Theco-peritoneal anastomosis, in treatment of communicating hydrocephalus; late results in, 84
 THOMAS, L., see ROGERS, L., and THOMAS, L.
 THOMAS, P. K., SEARS, T. A., and GILLIATT, R. W.: The range of conduction velocity in normal motor nerve fibres to the small muscles of the hand and foot, 175
 Thrombosis, traumatic, of internal carotid artery, 229
 TOMLINSON, B. E.: Brain changes in fatal, ruptured, intracranial aneurysms, 78
 TOMPKINS, V., LASCELLES, R. G., and MCKINNEY, B.: The relief of myotonia by the use of a potassium-binding resin, 50
 TORVIK, A.: Sensory, motor, and reflex changes in 2 cases of intractable pain after stereotactic mesencephalic tractotomy, 299
 TOYOKURA, Y., see MCALPINE, D., et al.
 Tremor, physiological, in children, 33
 Trigeminal neuralgia, mechanism of pain in, 36
 Tuberculin, non-specificity of intrathecal reaction to, in multiple sclerosis, 277

V

- Ventriculo-peritoneal anastomosis in treatment of hydrocephalus, 84
 VORRIS, H. C., and TALSO, P. J.: A cerebrospinal fluid bank, 252

W

- WALKER, A. E.: The evolution and dissolution of convulsive phenomena following head injuries, 342
 —, L.: The prognosis for affective illness with overt anxiety, 338
 WALTERS, A.: Psychogenic regional pain alias "hysterical" pain, 343
 WALTON, J. L., see WILSON, J., and WALTON, J. L.
 WERMAN, R., CHRISTOFF, N., and ANDERSON, P. J.: Neurological changes with intra-carotid amygdalotomy and megimide in man, 333
 Willis, circle of, collateral circulation through anterior segment of, angiographic test of, 64
 WILSON, J., and WALTON, J. N.: Some muscular manifestations of hypothyroidism, 320

X

- Xylocaine, injection of, into frontal lobes, 82