Part III.—Bibliography and Epitome.*

ACT. LUSO-ESPANOL. NEUROL. PSIQUIAT.

VOL. VI. 1947.

Clinical Expression and Basic Form of Mental Diseases. *Bleuler, M.* . . 169
Man, an Experiment *Rof Carballo, J.* 180
Neurological and Mental Complications in Epidemic Parotitis. *Soto Yarritu, F.* 203
Observations on a Case of Obsessive Neurosis. *Guera Miralles, A.* . . . 207

ACTA MED. SCAND.

VOL. CXXVII. 1947.

Course of Paralysis in Poliomyelitis Patients. *Kristensen, G. S., and Wulff, F.* 361
Endocrine and Mental Disorders in Acute Anterior Poliomyelitis. *Luft, R., and Müller, R.* 448

ACTA PSYCHIAT. NEUROL.

VOL. XXII. 1947.

*Localization of Intracranial Tumors by EEG. *Borchthal, F., and Busch, E.* 9
Intrasternal Injection of Glucose in Wakening of Patients from Induced Coma. *Dalgaard, J. B.* 17
The Influence of the Initial Posture of the Body on the Pattern of the Electrically Induced Convulsion. *Jensen, E. S.* 37
Significance of the Cortical Vasomotor Centres for the Circulation. *Lund, A.* 41
Intracranial Teratomas and Teratoid Tumors. *Müller, R., and Gunner, W.* 69
Gold Intoxication of Nervous Elements. *Querido, A.* 97

Localization of Intracranial Tumors by Electroencephalography.

In a series of 60 verified intracranial tumors electroencephalography indicated the affected hemisphere (unipolar leads) in 72 per cent., while 10 per cent. were wrongly localized and 18 per cent. could not be localized as to hemisphere. With bipolar leads phase reversal was found corresponding to the tumor in 51 per cent., while low frequency potentials were found over the tumor in 73 per cent.

(Authors' abstr.)

ACTA PSYCHIAT. NEUROL. SUPP.

1947.

The Eosinophil Count in Health and in Mental Disease. *Rud, F.* . . xl
Blood-Spinal Fluid Permeability to Bromide in Closed Head Injuries. *Zetterholm, S.* xlv

AM. HEART J.

VOL. XXXIV. 1947.

Electrocardiogram in Neurocirculatory Asthenia, Anxiety Neurosis or Effort Syndrome. *White, P. D., et al.* 390

AM. IMAGO.

VOL. IV. 1947.

Question of Jewish Monotheism. *Barag, G.* 8
The Jew as Symbol. *Loeblowitz-Lennard, H.* 26
Varieties of Castration. *Fodor, N.* 32
Saint Christopher, Patron Saint of the Motor-car Drivers. *Bonaparte, M.* . . 49
Dragon Lady. *Schneir, J.* 78

* A number of extracts in this section are reproduced from *Chemical Abstracts* and *Psychological Abstracts*. To the Editors of these two Journals we extend our grateful thanks.

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

AM. J. CLIN. PATH.

VOL. XVII. 1947.

Gargoylism. *Strauss, R., et al.* 671

AM. J. DIS. CH.

VOL. LXXIV. 1947.

Cerebral Damage in Infants and in Children. *Faber, H. K.* 1
Asymmetric Spastic Infantile Cerebral Palsy. *McGovern, J., and Yannet, H.* 121
Results of Treatment of Recurring Convulsive Attacks of Epilepsy. *Keith, H. M.* 140
Etiology of Mongolism. *Ingalls, T. H.* 147
Nature and Treatment of Stuttering. *Glasner, P. J.* 218

AM. J. HYG.

VOL. XLVI. 1947.

Contact Typhoid Fever in a State Mental Hospital. *Beck, M. D., et al.* . 162

AM. J. MED.

VOL. II. 1947.

Investigations of C.S.F. in Cases of Rheumatoid Arthritis. *Sundelin, F.* 579

VOL. III.

Influence of Dibenamine on Certain Functions of Sympathetic Nervous System in Man. *Hecht, H. H., and Anderson, R. B.* 3

AM. J. MED. SCI.

VOL. CCXIII. 1947.

Treatment of Syphilis of CNS with Penicillin. *Heyman, A.* 661

VOL. CCXIV.

Alterations in Form of Electrocardiogram in Patients with Mental Disease. *Heyer, H. E., et al.* 23
Persistence of Penicillin in C.S.F. after Massive Intravenous Administration. *Barton, R. L., et al.* 50
Subacute Combined Degeneration of Spinal Cord Occurring in Identical Twins. *Schwarz, G. A., and Todd, J. C.* 94
Electroencephalography. *Ebaugh, F. G., and Busse, E. W.* 109

AM. J. MENT. DEF.

VOL. LI. 1947.

The Need for Expansion of Social Work in the Field of Mental Deficiency. *Matthews, M. A.* 362
Basic Requirements for the Testing of Mental Acuity with Especial Reference to the Intracranial Pressure and Volume Relationships. *Fay, T.* . . . 369
Significance of Psychological Test Results of Exogenous and Endogenous Children. *Frazeur, H. A., and Hoakley, Z. P.* 384
Measuring Mental Deterioration by the "Differential Test Score Method." *Johnson, A. P.* 389
The Effect of Hospitalization on Wechsler-Bellevue Subtest Scores by Mental Defectives. *Cutts, R. A., and Lane, M. O'K.* 391
Test Patterns of Mental Defectives on the Revised Stanford-Binet Scale. *Sloan, W., and Cutts, R. A.* 394
Effect of Music on Hospital Accident Rate. *Whiting, H. S.* 397
Diagnosis of Mental Operations and Theory of the Intelligence. *Piaget, J., and Inhelder, B.* 401
Mental Deficiency in Behavior Problems. *Marcotte, J. E. A.* 407
Is Mental Deficiency Curable? *Doll, E. A.* 420
Prime Factors in the Placement of the Below Normal. *Burr, E.* . . . 429

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

Guidance, Placement and Follow-up: the Minnesota Program. *Thomson, M.* 435
The New York City Program of Guidance and Placement. *De Prospo, C. J.* 441
Education—Occupational Program for Special Class Girls. *Lovell, C.* . 452
Feeble-mindedness *Versus* Intellectual Retardation. *Doll, E. A.* . . 456
The Illinois Program of Special Education in Public Schools for the Educable Mentally Handicapped Children. *Graham, R.* 460
Teaching Instrumental Music to Mentally Deficient Boys. *Prather, V. A.* . 467
A Community Program for Exceptional Children. *Millais, W. W.* . . 477
Community and Institution, Co-workers. *Porter, E. H.* 489
The Mental Defective in the Community and the Philosophy which has Resulted in the Plan for Training Defectives, etc. *Goodfellow, H. D. L.* 495
Survey of a School Program for Family Care of School-age Children. *Cohen, J.* 502
Case Work with Adult Mental Defectives in a Placement Program. *Harms, M.* 510
Home Supervision of Mental Deficients in New Jersey. *Cianci, V.* . . . 519
Diagnostic Value of Picture Anomalies and Verbal Absurdities for Institutional Adjustment. *Sloan, W., and Oblinger, B.* 532

AM. J. OBS. GYN.

VOL. LIV. 1947.

Psychiatric Aspects of Menopause. *Chamberlain, H. E.* 301

AM. J. ORTHOPSYCHIAT.

VOL. XVIII. JANUARY, 1948.

Case Study of an Atypical Two-and-a-Half Year Old. Round Table, 1947 . 1
The Situation of the Aged within the Family. *Fried, E. G., and Stern, K.* 31
Psychic Constitution in Childhood. *Hay, M.* 55
Children with Epilepsy. *Deutsch, L., and Wiener, L. L.* 65
Projection Technique in Social Case Work Procedure. *Le Shan, E., and L.* 73
Research in Psychotherapy. Round Table, 1947 92
The Diagnostic and Prognostic Validity of the Rorschach Test in a Child Guidance Clinic. *Siegel, M. G.* 119
Pre-school Clinical Service and Follow-up in a City Health Department. *Rich, G. J.* 134
The Chemistry of Human Behaviour. *Clark, L. C., jun.* 140
New Trends in Clinical Psychology. *Symonds, P. M.* 153
Toward a Dynamic Interpretation of Anti-Scientific Attitudes. *Ackerman, N. W., and Jahoda, M.* 163

AM. J. PSYCHIAT.

VOL. CIV. OCTOBER, 1947.

Lessons to Learn. *Gregg, A.* 217
Observations of Psychiatry, in World War II. *Snyder, H. McC.* . . 221
Psychiatric Aspects of Women Serving in the Army. *Craighill, M. D.* . 226
A Revision of the Psychiatric Rating Scale. *Malamud, W., and Sourds, S. L.* 231
Preventive Psychiatry. *Kraines, S. H.* 238
The Frustration Threshold. *Sherman, M.* 242
*Tridione Therapy. *Perlstein, M. A.* 247
Brief Psychotherapy with Enuretics in the Army. *Kriegman, G., and Wright, H. B.* 254
Criteria of Therapy of War Neuroses. *Kasanin, J. S., et al.* . . . 259
A Study of Tactics for Resolving the Antistir Barrier. *Betz, B. J.* . . 267

Tridione Therapy.

1. A progress report of clinical observations in the therapeutic use of tridione on 136 cases of varied neurological manifestations, over a period of 2 years, is presented.

2. As previously reported, most spectacular benefits were obtained in cases of *petit mal*, where clinical improvement was immediate, associated with improvement in the EEG pattern, and sustained often after cessation of the drug.

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

3. Tridione appears to be useful as an adjuvant drug in the treatment of *grand mal* seizures, though it does seem to aggravate some cases.

4. Both *grand* and *petit mal* of the idiopathic type were more responsive than those due to organic lesions.

5. Anticonvulsant action is indicated by its beneficial effects in cases of tetanus.

6. Tridione is of value in cerebral palsy, especially for reducing tension of the athetoid type.

7. Some forms of behavior disturbances are sedated by tridione.

8. Site of action for tridione appears to be the mid-brain and (with some selectivity) the basal nuclei, an inference drawn from its failure to help patients with pyramidal lesions, while markedly benefiting extra-pyramidal lesions, with the exception of chorea, parkinsonism, and dystonia.

9. Toxic side-effects in the use of tridione, in the author's experience, were rare in children, were generally innocuous, and seemed readily reversible with cessation of the drug. More severe reactions were seen in adults.

(Author's abstr.)

VOL. CIV. NOVEMBER, 1947.

The Concepts of " Meaning " and " Cause " in Psychodynamics. *Whitehorn, J. C.* 289
Soviet Psychiatry in the Post-war Period. *Gilyarovski, V. A.* 293
First Year Analysis of Veterans Treated in a Mental Hygiene Clinic of the Veterans' Administration. *Futterman, S., et al.* 298
Psychoses Associated with the Administration of Atabrine. *Greiber, M. F.* 306
Laboratory Findings in Affective and Schizophrenic Psychoses. *Eaton, M. T., and Muntz, H. H.* 315
Psychiatric Diagnoses of Military Offenders. *Schneck, J. M.* 325

DECEMBER.

*Report on Lobotomy Studies at the Boston Psychopathic Hospital. *Greenblatt, M., et al.* 361
*The Significance of Alpha Variants in the EEG, and their Relationship to an Epileptiform Syndrome. *Goodwin, J. E.* 369
The Effect of Various Medications on Patients Manifesting an Epileptiform Syndrome. *Proctor, L. D.* 380
Five Years after Shock Therapy. *Hinks, E. N., and Lipschutz, L. S.* . . . 387
*EEG Studies in Idiopathic Epilepsy, Idiopathic Syncope and Related Disorders in a U.S. Naval Hospital. *Rossen, R.* 391
Socio-economic Aspects of the Shock Therapies in Schizophrenia. *Feldman, S., et al.* 402
ECT in Stammering. *Owen, T. V., and Stemmermann, M. G.* 410
Group Psychotherapy in Patients Recovering from Psychoses. *Weltharp, R. W.* 414

Report on Lobotomy Studies at the Boston Psychopathic Hospital.

It is clear that the results of prefontal lobotomy are quite variable. Clinically a few cases are dramatically improved and may be restored to a healthy efficient life in the community, a rather large number are partially improved or rendered more comfortable, and a good many are essentially unchanged. There is always a small but definite risk to life, and there is always the possibility of producing new and undesirable symptoms. As yet, we are quite unclear as to the exact indications for the operation. However, we would venture the opinion that by selection of early and relatively well-integrated cases we would get a better percentage result. We would go on record as saying: that lobotomy is a good method, perhaps the foremost method, for the treatment of the chronic mentally ill patient.

The changes in the personality are very variable and complicated and great caution should be exercised in interpreting psychological results. There is no question that prefontal lobotomy offers a very rich field for research.

(Authors' abstr.)

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

The Significance of Alpha Variants in the EEG, and their relationship to an Epileptiform Syndrome.

1. Evidence has been presented to show that the cerebral psychomoter patterns of Gibbs, Gibbs and Lennox are related to certain variations of the 10-cycle or alpha rhythm of the brain, which have been termed alpha variants. The most common variants consist of a halving or doubling of the alpha rate.

2. Even in cases of known psychomotor epilepsy the amount of the alpha variants recorded in the EEG between attacks may vary widely both among and within individuals, but practically all such patients show traces of the variants between seizures.

3. There is a high incidence of alpha variants in certain other conditions, notably psychoneurosis and idiopathic epilepsy. Their presence in the so-called psychoneurotic group shows a high correlation with a symptom complex that includes cranialgia, episodic changes in levels of consciousness, and emotional and vasomotor disturbances.

4. A high incidence of alpha variants among patients with *grand mal* epilepsy has been noted. The alpha variants may be correlated in these cases with altered states of consciousness (which cannot be identified electroencephalographically with *petit mal*), or with neurotic traits superimposed on the major epilepsy. It is concluded that mixed epilepsy of a *grand mal*-psychic variant type is of frequent occurrence.

5. The alpha variants are not pathognomonic of the epileptiform states. The significance of their appearance in the EEG without the accompanying symptom complex, as in the case of a small proportion of presumably normal individuals, has not yet been elucidated.

6. The alpha variants are of diagnostic assistance in cases where the neurological findings are essentially negative, and where the EEG is otherwise within broad normal limits. Under these circumstances, their presence in the EEGs of patients with vasomotor instability (cranialgia, dizziness, etc.), emotional disturbance of an episodic nature, or changes in the state of consciousness, indicate that the condition may be related to an epileptiform syndrome, rather than to a purely psychosomatic etiology.

7. The term psychomotor epilepsy is inadequate to describe the entire range of psychic variants in the epileptiform syndrome, and in the author's opinion should either be replaced by a more descriptive term, or its use restricted to conditions in which motor manifestations of a bizarre nature are present. (Author's abstr.)

EEG Studies in Idiopathic Epilepsy, Idiopathic Syncope and Related Disorders.

The physiological and psychological factors relating to idiopathic syncopal attacks are discussed since this symptom was predominant in the group discharged with non-epileptic diagnoses.

The symptoms produced by arresting cerebral circulation in man and the syncopal attacks observed in certain cases of personality disorder and psychoneurosis are compared.

The ultimate discharge diagnosis and EEG correlation were considered in 469 patients admitted with a diagnosis of epilepsy or a possible convulsive disorder, and analysis showed that less that half were discharged from the naval service with a diagnosis of epilepsy and that the EEG abnormalities were significantly higher in this Group.

Of 469 cases admitted with the possibility of a convulsive disorder 147 were discharged with a diagnosis of personality disorder and 62 with the diagnosis of psychoneurosis which made up about 44 per cent. of the admission group.

Analysis of 206 cases discharged from a U.S. Naval Hospital with a diagnosis of epilepsy is presented. The EEG findings are compared with a control group. There is a similarity between Gibb's series of EEG findings in 730 adult epileptics and with his series of " controls."

Nineteen cases or 9·6 per cent. of the series gave a history of head injury 1–10 years prior to their first convulsive seizure.

Of these 19 cases, 11 had abnormal EEG, 5 of which were focal in type.

Of this series 127 patients had been observed in typical *grand mal* seizures and of this group 63 per cent. had greatly abnormal EEG and 11·8 per cent. showed slightly abnormal EEGs.

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

Typical *petit mal* histories in this series were rare as were typical *petit mal* waves in the EEG tracings. A possible explanation for this may be that all of the patients considered were over 17 years of age and 90 per cent. of them were in the age group of 17–30 years and the remaining 10 per cent. were over 30 years of age. (Author's abstr.).

AM. J. PSYCHOL.

VOL. LX. 1947.

The Backward Conditioning Curve. *Spooner, A., and Kellogg, W. N.* . 321
Hand Dominance in Reading Braille. *Fertsch, P.* 335
Intellective Tests for Longitudinal Experiments on Adults. *Guetzkow, H., and Brozek, J.* 350
Retroactive Inhibition and Psychophysical Judgment. *Postman, L., and Page, R.* 367
Persistence as a Function of Previous Experience of Failure Followed by Success. *Grosslight, J. H., and Child, I. L.* 378
The Effect of Typography upon the Perceptual Span in Reading. *Paterson, D. G., and Tinker, M. A.* 388
The Discrimination and Reproduction of Motor Adjustments with Various Types of Aircraft Controls. *Jenkins, W. O.* 397
Cardiovascular Responses of Innocent Persons to Criminal Interrogation. *Bitterman, M. E., and Marcuse, F. L.* 407
A Projection Timer for Visual Research. *Woollen, C. E., and Hamburger, F., jun.* 413
A Psychologist's Reflections upon Howell's Physiology. *Bentley, M.* . 420
Visual Phenomena During Retinal Detachment. *Glaze, J. A.* . . . 432
Asynchrony of Labyrinthine Receptors. *Morales, M. F.* 434

AM. J. PSYCHOTHER.

VOL. I. 1947.

Hysteria as a Conditioning Process. *McGill, V. J., and Welch, L.* . . 253
The Personal Meaning of Organs in Psychosomatic Medicine and its Importance for the General Practitioner. *Wilder, J.* 313

AM. J. ROENTG. RAD.-THER.

VOL. LVIII. 1947.

Metastatic Carcinoma of Hypophysis Cerebri. *Schwartz, C. W.* . . . 168

AM. J. SURG.

VOL. LXXIV. 1947.

Convulsions During Ether Anaesthesia. *Hyde, T. L., and Schwegler, R. C.* 33

AM. J. TROP. MED.

VOL. XXVII. 1947.

Psychotic Reactions to Ingestion of Large Doses of Quinacrine in Normal Subjects. *Hoobler, S. W.* 477

AM. PRACTIT.

VOL. II. 1947.

Diagnostic Aspects of Subdural Hematoma. *Voris, H. C.* 170
The Early Manifestations of Multiple Sclerosis. *Lichtenstein, B. W.* . . 197
The Treatment of Acute Infections of the Nervous System. *Gilpin, S. F., jun.* 253

1948.

The Immediate Treatment of Cerebral Vascular Accidents. *de Takats, G., and Gilbert, N. C.* 287
Psychosomatic Medicine in Daily Practice. *Billow, B. W.* . . . 321

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

AM. REV. SOV. MED.

VOL. IV. 1947.

Diagnostic Significance of Ocular Pain in Craniocerebral Trauma. *Mokhova, T. M.* 400

ANESTHES.

VOL. VIII. 1947.

Curare and Curare-like Compounds. *Robbins, B. J., and Lundy, J. S.* . 348
Spinal Fluid Findings in Spinal Anesthesia. *Black, M. G.* . . . 382

ANN. INT. MED.

VOL. XXVI. 1947.

Psychosomatic Aspects of Cardiac Arrhythmias. *Katz, L. N., et al.* . . 261
Genesis of Neuroses. *Hadden, S. B.* 282
Psychogenic Rheumatism. *Weiss, E.* 890

ANN. MED.-PSYCHOL.

VOL. CV. DECEMBER, 1947.

A School Innovation in Psychological Medicine in the United States. *Palmer, M.* 481
Psychoneuroses of War. *Sutter, J., et al.* 496

VOL. CVI. JANUARY, 1948.

Reeducation of Patients with Character Defects. *Fau, R., and Memin, C.* 1
Cerebrospinal Pressure in Electro-shock. *Deshaies, G., and Renard, E.* . 18

ANN. OTOL., RH. AND LARYN.

VOL. LVI. 1947.

Hearing Impairment due to Craniocerebral Trauma. *Grove, W. E.* . . 264
" Meniere's "—A Synonym of Confusion. *Lyman, H. W.* . . . 352

ANN. PSYCHOL.

VOLS. XLIII–XLIV. 1947.

Researches on the Latency of Light Sensation by the Method of Chrono-stereoscopic Effect. *Liang, T., and Pieron, H.* 1
Facilitation and Inhibition. *Baumgardt, E,, and Segal, J.* 54
Studies of Immediate Memory. II. *Fraisse, P.* 103
Researches on the Perception of Differences in Elevation in Relation to the Aptitude for Aeroplane Piloting. *Louvier, R., and Pieron, H.* . . . 144
The Interpretation of the Numerical Laws of Liminal Stimulus Quantities. *Segal, J.* 181
Is the F Test of Cattell an Objective Test of Temperament? *Bènassy, M., and Chauffard, C.* 200
The Quantity-duration Relation in Luminous Excitation by Monochromatic Radiations. *Galifret, Y., and Pieron, H.* 231
A Study of a Method of Qualitative Analysis of Olfaction. *Le Magnen, J.* 249
Studies on Auditory Fatigue. *Caussé, R., and Chavasse, P.* 265
Estimation of Psychological Factors by Means of Regression. *Bernyer, G.* 299

ANN. RHEUM. DIS.

VOL. VI. 1947.

Psychosomatic Nonarticular Rheumatism. *Edmonds, E. P.* . . . 36

ANN. SURG.

VOL. CXXVI. 1947.

Psychiatric Study of 61 Appendicectomy Cases. *Blanton, S., and Kirk, V.* 305

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

ANN. WEST. MED. AND SURG.

VOL. I. 1947.

Proctologic Syndromes of Emotional Origin. *Miller, D.* 258

APPL. PSYCHOL. MO.

1947.

An Evaluation of Non-directive Psychotherapy. *Muench, G. A.*. . No. 13

ARCH. DERM. SYPH.

VOL. LV. 1947.

Psychosomatic Factors in Dermatoses. *Cormia, F. E.* 601

VOL. LVI. 1947.

Neurosyphilis: Treatment with Penicillin, etc. *Leavitt, H. M.*. . . 233

ARCH. NEUR. PSYCHIAT.

VOL. LVIII. NOVEMBER, 1947.

*Activated Electroencephalography. *Kaufman, I. C., et al.* . . . 533
Fatal Cryptogenic Neuropathy. *Brock, C., and Davison, C.* . . . 550
*Relation of the Frontal Lobes to the Autonomic Nervous System in Man. *Rinkel, M., et al.* 570
Hyperhidrosis. *Palmer, A. J.*. 582
Spinal Extradural Cyst. *Turner, O. A.* 593
Rehabilitation of the Paraplegic Patient. *Lowman, E. W.* . . . 610

Philadelphia Neurological Society.

Pneumococcic Meningitis Developing in a Patient Treated with Penicillin. *Kambe, C. S., and Pope, R. C.* 635
Coccidioidomycosis. *Davis, C. N.* 637
Neurologic Complications of Diphtheritic Neuritis. *Gaskill, H. S.* . . 639

New York Neurological Society.

Endocrine Manifestations and their Relation to the Hypothalamus. *Davison, C.* 642
Neurosurgery of the Parasellar Region. *Browder, J.* 643

Activated Electroencephalography.

In a series of 97 patients with post-traumatic epilepsy, an attempt was made to activate the epileptogenic focus by hyperventilation, hydration, electric shock, intravenous administration of alcohol, and injection of trimethadione, penicillin, acetylcholine chloride, sodium cyanide and metrazol.

Of these methods, the injection of metrazol proved to give satisfactory focal activation in approximately 44 per cent. of the patients on the first test and in a much higher percentage on repeated testing.

Intravenous administration was more effective than intramuscular injections.

Clinical seizures occurred in approximately 14 per cent. of patients, but not if anticonvulsant medication was given before the test.

The electroencephalographic alterations induced with metrazol included focal slow waves, spikes or, somewhat less frequently, the rhythmic discharge of a seizure. The same alterations were less commonly recorded from all parts of the head.

Activated electroencephalography appears to be a useful diagnostic aid in the understanding of the mechanisms involved in post-traumatic epilepsy.

(Authors' abstr.)

Relation of the Frontal Lobe to the Autonomic Nervous System in Man.

The autonomic nervous system was examined in a control group and in a series of patients who had undergone prefrontal lobotomy. The sympathetic nervous system was tested pharmacologically with intravenous injection of 0·05 mgm. of

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

epinephrine hydrochloride (1:1,000). The parasympathetic system was examined by means of stimulation of the carotid sinus reflex. The effects were recorded with the electrocardiograph and the electroencephalograph, and the clinical manifestations were carefully noted.

Subcortical section of the frontal lobes interferes with inhibitory and excitatory autonomic centers in the cortex, resulting in overreaction of the autonomic nervous system to direct stimulation.

After frontal lobotomy autonomic equilibrium is eventually established at a new level and is brought about by readjustments of the autonomic system.

This work confirms other reports that cortical representations of the autonomic nervous system are located in the prefrontal area. (Authors' abstr.)

VOL. LVIII. DECEMBER, 1947.

C.N.S. in Pneumonia. III. *Moran, H. H., et al.* 653
*Ballism and the Subthalamic Nucleus. *Whittier, J. R.* 672
*EEG Studies on Induced and Excised Epileptogenic Foci in Monkeys. *Pacella, B. L., et al.* 693
Investigations on Narcodiagnosis. *Freyhan, F. A.* 704
Postoperative Period of Survival of Patients with Oligodendoglioma of the Brain. *Shenkin, H. A., et al.* 710
Significance of Changes in the Electrocardiogram of the Electrically Induced Convulsions in Man. *Altschule, M. D., et al.* 716
Spatial Organization of Visual Perception Following Injury to the Brain. *Bender, M. B., and Teuber, H. L.* 721
Poliomyelitis. *Davis, W. D., and Silverstein, C. M.* 740

Ballism and the Subthalamic Nucleus (Nucleus Hypothalamicus; Corpus Luysi): Review of the Literature and Study of Thirty Cases.

A review of the literature disclosed 30 cases of hemiballism associated with localized pathologic change in the subthalamic nucleus. Analysis of these cases led to the following conclusions:

1. Ballism is a distinct form of involuntary movement characterized by continuous, violent, coordinated activity of the axial and proximal appendicular musculature such that the limbs are flung about.

2. Hemiballism, and sometimes monoballism of the upper extremity, is the apparently inevitable symptom in man of destruction localized in the contralateral subthalamic nucleus (nucleus-hypothalamicus; corpus Luysi).

3. There is evidence that interruption of the connections of the subthalamic nucleus may result in hemiballism.

4. Hemiballism may appear without demonstrable pathologic change in the subthalamic nucleus or its connections, although such cases are relatively rare.

5. Ballistic movements may appear in a variety of dyskinesias, to which the relation of the subthalamic nucleus is as yet obscure. Their similarity to or identity with those of hemiballism following damage to the subthalamic nucleus awaits a more complete, and preferably cinematographic, comparison.

6. Adequate clinical description and pathologic study will continue to be of value in elucidating the genesis and nature of this remarkable symptom.

(Author's abstr.)

EEG Studies on Induced and Excised Epileptogenic Food in Monkeys.

In *rhesus* monkeys the application of a lumina cream to the motor cortex of one side produced a primary focus of EEG abnormality, characterized chiefly by delta activity, random spikes and sharp formations. This abnormality appeared prior to the onset of jacksonian attacks, which could be elicited by physical stimulation. Subsequently, a secondary (mirror) focus of EEG abnormality developed in the opposite motor cortex, which was followed later by generalized convulsions.

A direct correlation was found between the degree of EEG abnormality and the convulsive threshold. Maximal EEG disturbance was usually associated with generalized convulsions. Minimal EEG abnormality was associated with jacksonian attacks and was also present after the cessation of seizures.

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

Ablation of Area 4 resulted in eventual cessation of seizures and diminution of EEG abnormalities.

The limiting intravenous convulsant dose of metrazol for monkeys exhibiting epileptic seizures, or for similarly prepared monkeys after ablation of the primary focus, or for a monkey in which alumina cream had been applied subcortically, was significantly lower than that for control monkeys. (Authors' abstr.)

ARCH. PSICOL. NEUR. PSICHIAT.

VOL. IX. 1948.

Angiomatosis of the C.N.S. *Fracasso, L.* 1
The Concept of " Hysterical Character." *Luzzatto, A.* 46
The Problem of Grief. *Porta, V.* 76

ARCH. SURG.

VOL. LIV. 1947.

Partial Excision of the Motor Cortex in Treatment of Jacksonian Convulsions. *Pilcher, C., et al.* 633

ARIZONA MED.

VOL. IV. 1947.

Treatment of Injuries of the Spinal Cord. *Martin, J.* 28

ARKANSAS M. S. J.

VOL. XLIV. 1947.

Role of Private Psychiatric Hospital in Treatment of Alcohol Addicts. *Young, R. C.* 91
Problem of Neurosis. *Yerser, J.* 95

ARQ. NEURO-PSIQUIAT.

VOL. V. DECEMBER, 1947.

The Use of Curare in ECT. *Novaes, A. C.* 347
Congenital Hemi-hypertrophy of the Body. *Lefèvre, A. B.* 359

BR. J. DERM. SYPH.

VOL. LIV. 1947.

Psychologic Aspects of Seborrhaic Dermatitis. *Wittkower, E.* 281

BR. J. PSYCHOL.

VOL. XXXVIII. DECEMBER, 1947.

Respective Effectiveness of Success and Task-tension in Learning. *Nuttin, J.* 49
Theory of the Human Operator in Control Systems. *Craik, J. W.* . . . 56
Notes on the Intellectual and Social Capacities of a Group of Young Delinquents. *Dunsdon, M. I.* 62
The Growth of the Knowledge of Time in Children of School-age. *Bradley, N. C.* 67
Different Types of Perceptual Ability. *Vernon, M. D.* 79
High Incentives *Versus* Hot and Humid Atmospheres in a Physical Effort Task. *Mackworth, N. H.* 90

BR. J. RADIOL.

VOL. XX. 1947.

Technic of Direct Cerebral Angiography. *Lindgren, E.* 326

BULL. JOHNS HOPK. HOSP.

VOL. LXXX. 1947.

Neurinomas of Cerebellopontine Recess. *Revilla, A. G.* 254
Certain Vascular Effects of Curare in Man: the " Histamine " Reaction. *Grob, D., et al.* 299
Impact of Modern Psychiatry on Medical Education and Practice and on Hospital Organization. *Kubie, L. S.* 348

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

BULL. LOS ANGELES NEUR. SOC.

VOL. XII. DECEMBER, 1947.

Coccidioidal Granuloma Simulating a Spinal Cord Tumor. *Rosow, H. M., and Raney, R. B.* 167
The Nature and Incidence of Traumatic Lesions of the Brain. *Bloomquist, E. B., and Courville, C. B.* 174
Thyrotoxic Muscular Syndromes. *Nielsen, J. M.* 184
Glycine in Childhood Muscular Dystrophy. *Nielsen, J. M.* 186
Denial of Blindness and Argyll Robertson Pupils Without Syphilis. *Lutt, C. J.* 189
Facial Hemiatrophy with Homolateral Paroxysmal Headaches. *Friedman, A. R., and Davidoff, L. M.* 192
Sensory Perception Through Vision. *Nielsen, J. M.* 195

BULL. N.Y. ACAD. MED.

VOL. XXIII. 1947.

Studies in New Anticonvulsants. *Merritt, H. H., and Brenner, C.* . . . 292
Results of Prostigmin and Tridione Therapy in 50 Cases of Spastic Neurologic Disorders. *Denker, P. G., and Kaplan, L. I.* 472

BULL. U.S. ARMY MED. DEPT.

VOL. VII. 1947.

Role of Research Psychologists in Military Service. *Tucker, A. C.* . . . 726
Combat Record of Psychoneurotic Patients. *Pratt, D., and Neustadter, A.* 809
Army Neurosis Center. *Dunn, W. H., and Selinski, H.* 868
The Paraplegic. *Ginzberg, E., and Klarman, H.* 892

CALIF. MED.

VOL. LXVI. 1947.

Subacute Generalized Neuromuscular Exhaustion Syndrome. *Nielsen, J. M.* 338
Neurologic Complications to Treatment with Rabies Vaccine. *Redervill, F. H., jun., and Underwood, L. J.* 360

VOL. LXVII.

Some Features of Psychiatric Practice in Post-war Medical Care Planning. *Chamberlain, H. E.* 31

CANAD. J. PSYCHOL.

VOL. I. 1947.

Canadian Psychology. *Bernhardt, K. S.* 49
The First Course in Psychology in Canadian Universities. *Liddy, R. B., and Neal, L. E.* 61
Studies in International Morse Code. *Marsh, J. E., and Stannard, A. F. B.* 67
Social Status of Occupations in Canada. *Tuckman, J.* 70
Psychological Aspects of the Social Credit Movement in Alberta. *Irving, J. A.* 75
Analysis of Data Obtained from Ten Years of Intelligence Testing in the Ottawa Public Schools. *Dunlop, F. S.* 87

CAN. M. A. J.

VOL. LVI. 1947.

Social Therapy of Epilepsy. *Lennox, W. G.* 638

VOL. LVII. 1947.

Clinical Depressions. *Adamson, G. L.* 1
Stuttering. *Love, W. R.* 4
Papaverine in Treatment of Neurotic Symptoms. *Tyhurst, J. S.* . . . 25
Working Concept of Psychoneuroses. *Brillinger, H. R.* 142
Battle Exhaustion. *Billings, R. M., et al.* 152
Future of Canadian Psychiatry. *Hincks, C. M.* 161
Emotions and Human Relations. *Foucar, H. O.* 281

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

CERVELLO.

VOL. XXIV. 1948.

The Morphology, Structure and Behaviour of Isolation in Man. *Macchi, G.* 1
The Cerebral Histopathology of Confusional Insanity. *Chiaramonti, E.* 27
The Cadmium Reaction of Wunderly and Wuhrmann in Dysthymia, Confusion and Dementia Praecox. *La Loggia, M.* 38
Haemorrhagic Foci in the Cerebellum with Granuloma of Malarial Type in an Epileptic. *Fattovich, G.* 42
Intuition in Neurobiology. *Ruggiero, G.* 54

CONN. STATE. M. J.

VOL. XI. 1947.

Newer Therapy of Epilepsy. *Lennox, M.* 432
Connecticut Commission on Alcoholism. *Bacon, S. D., and Miller, D. P.* 742
If Child Guidance Clinics—Why Not Parentoriums? *Burlingame, C. C.* 829

CRIMIN., MISC.

VOL. XII. 1946.

Crime and Psyche. *Garrido, L.* 462
Prophylactic Measures with Regard to Delinquency of Migrants and International Sanitation. *Chavez, L., and Quiroz Cuarón, A.* 476
Juvenile Delinquency. *Arce, D. L.* 489

DELAWARE STATE M. J.

VOL. XIX. 1947.

Role of Emotions in Disease. *Harrison, F. M.* 79
Observations on Importance of Time in Etiology of Psychopathology. *Koch, E. J.* 84
Trends in Mental Hygiene. *Doering, J. A.* 87
Reflex Tremor. *Gordon, G. J.* 90
Homosexual Prostitution 92
Group Psychotherapy. *Adamson, W. C.* 94
Objective Measurement of Reality: Perceptions in Dementia Praecox. *Jastak, J., and Stubbs, E.* 98

DEUT. MED. MO.

VOL. LXXI. 1946.

Active Hypnotic Exercises and Change of Hypnotic Technic. *Kretschmer, E.* 281
Herpes Zoster Encephalitis. *Schmidt, W.* 308

VOL. LXXII. 1947.

Hereditary Psychic Characteristics. *Gruhle, H. W.* 62
Structure of Somatogenic Psychoses. *Schneider, K.* 177

DIA MED.

VOL. XIX. 1947.

Varicellous Neuraxitis. *Castex, M. R., et al.* 1214

DIS. NERV. SYST.

VOL. VIII. DECEMBER, 1947.

A " Natural Order " of Abnormal Reactions. *Kant, O.* 363
EEG Findings in a Naval " Control " Group of 259 Men. *Rossen, R., and Gordon, M.* 373
Psycho-physiological Background of Pain and its Psychological Treatment. *Chodoff, P.* 378
Hazards of Curarization Before Electroshock. *Riggs, B. C., and Schtomer, G. M.* 382
Papaverine Hydrochloride in *Status Epilepticus*. *Wirth, L.* 387

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

VOL. IX. JANUARY, 1948.

Management of Speech Disorders in a Hospital Clinic. *Peacher, W. G., and G. M.* 3
Maintenance Treatment in Schizophrenia. *Weisz, S., and Creel, J. N.*. . . 10
Clinical Trial of 10820, a New Synthetic Analgesic. *Bercel, N. A.* . . . 15
A Review of Literature on Group Treatment of Psychoses. *Gifford, S.* . 19
Observation Noted During Course of Group Treatment of Psychoses. *Fiddler, J., jun.* 24

FEBRUARY.

Vocational Guidance of Psychoneuroses. *Semrad, E. V.* 35
Practical Use of the Rorschach Test. *Wikler, A., and Daingerfield, M.* . 42
The Organization and Technique of Group Treatment of Psychoses. *Mann, J. and H.* 46
Preliminary Survey of the Results of Group Treatment of Psychoses. *Gurri, J., and Chaser, W.* 52
Ambulatory Electric Shock Therapy. *Hauser, A., and Peters, I. D.* . . . 55
Isolated, Progressive, Symmetrical Dystrophy of the Pectoralis Motor Muscles. *Teitelbaum, H. A., and Lewis, R. P.* 60

EDIN. MED. J.

VOL. LIV. 1947.

Some Problems in Assessing Part of Trauma in Nervous Disease. *Slater, J. H.* 349

EDUC. PSYCHOL. MENT.

VOL. VII. 1947.

The Effect of the Nature of the Criterion upon the Validity of Aptitude Tests. *Stuitt, D. B.* 671
Relationship Between Military Occupational Specialty and Army General Classification Test Standard Score. *Stewart, N.* 677
The Validity of a Multiple Aptitude Test at the Secondary School Level. *Segel, D.* 695
Student Personnel Work in National Setting. *Wrenn, C. G.* 707
Measuring Outcomes of Classroom Therapy. *Pepinsky, H. B.* 713
The Frequency of Errors in the Classification of Individuals on the Basis of Fallible Test Scores. *Ebel, R. L.* 725
The Validity of Standard and Custom-Built Personality Inventories in a Pilot Selection Program. *Super, D. E.* 735
The Graduate Record Examinations. *Vaughn, K. W.* 743
Validation of the Study of Values for Two Vocational Groups at the College Level. *Seashore, H. G.* 757
Selecting Executives by Psychological Tests. *Thompson, C. E.* 773
A Misuse of Group Tests of Intelligence in the School. *Worcester, D. A.* . 779
Multiple Forms of Objective Tests. *Lemmon, V. W., and Du Bois, P. H.* . 783

FLORIDA M. A. J.

VOL. XXXIV. 1947.

Bromide Intoxication. *Logan, W. P.* 161
Curare. *Taby, T. E.* 207

GAC. MED. MEX.

VOL. LXXVII. 1947.

Mental Hygiene in Relation to Noise and Work. *Ramirez Moreno, S.* . 108

GERIAT.

VOL. II. NOVEMBER–DECEMBER, 1947.

Endocrine Problems after the Age of Forty-five. *Thompson, W. O.* . . 325
General Oxidative Processes with Relation to Degenerative Changes in the Body. *Kountz, W. B., and Chieffi, M.* 344
Care of the Aged and Chronic Sick in Great Britain. *Sturdee, E. L.* . . 359

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

ILLINOIS M. J.

VOL. XCI. 1947.

Treatment of Neurologic Disorders with Tridione. *Liebert, E.* . . . 30
Recognition and Management of Depressed Mental States. *Brown, M.* . 95
Radical Extirpation of Acute Brain Abscesses. *Tinsley, M.* . . . 102
ECT in Office, Home and General Hospital. *Kraines, S. H.* . . . 291

IND. ST. M. A. J.

VOL. XL. 1947.

Occupational Adjustment of Psychoneurotic Veterans. *Stellner, H. A.* . 525

INDIV. PSYCHOL. BULL.

VOL. VI. 1947.

Karen Horney and Erich Fromm in Relation to Alfred Adler. *James, W. T.* 105
An Individual Psychological Approach to a Case of *Folie Imposée*. *Kramer, H. C.* 117
Adler and the Others. *Plottke, P.* 130
A Child with Compulsive Neurosis. *Dreikurs, R.* 137
Note on the Psychology of Proper Names. *Ansbacher, H. L.* . . . 142

INDUST. MED.

VOL. XVI. 1947.

Hyperinsulinism of Menses. *Billig, H. E., jun., and Spaulding, C. A., jun.* . 336

INT. J. PSYCHOANAL.

VOL. XXVIII. 1947.

The Psycho-analyst. *Sharpe, E.* 1
On the Development of the Ego and Super-ego. *de Groot, J. L.* . . 7
Three Dreams of Descartes. *Wisdom, J. O.* 11
Transference Sleep in a Neurosis with Duodenal Ulcer. *Stone, L.* . . 18
The Analysis of an Exhibitionist. *Sperling, M.* 32

IRISH J. MED. SC.

VOL. CCLXI. 1947.

Problems Arising from Prefrontal Leucotomy. *Malone, J. P.* . . . 573

J. AB. SOC. PSYCHOL.

VOL. XLII. OCTOBER, 1947.

*Traits Related to Improved Adjustment of Psychotics after Lobotomy. *Peters, H. N.* 383
Predicting the End of the War. *Smith, G. H.* 393
Personality Factors in Response to Humor. *Cattell, R. B., and Luborsky, L. B.* 402
Influence of Affectional Family Relationships on Character Development. *Brown, A. W., et al.* 422
Mass Propaganda in the War Against Bigotry. *Flowerman, S. H.* . . 429
Psychosurgery and Test Validity. *Porteus, S. D., and Peters, H. N.* . . 473

Traits Related to Improved Adjustment of Psychotics after Lobotomy.

An investigation of the relationships between 199 behavior traits and improvement after lobotomy in 71 hospitalized patients produced evidence of significant association for only 12 traits. Nineteen traits in which statistical relationship was not significant were considered of interest on a purely rational basis. It is argued that the traits considered can be readily classed under two principles of prediction: (1) A heightened activity level is favorable to improved social adjustment after lobotomy. (2) Evidence of cortical domination of efferent pathways is favorable.

A scoring system based on 31 trait items makes a rough prediction possible. In terms of this system the investigator found a critical score above which the operation seems advisable; a lower critical score permits a more cautious prediction of no improvement. (Author's abstr.)

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

J. A. M. A.

VOL. CXXXIII. 1947.

Penicillin in the Treatment of Neurosyphilis. *Rose, A. S., and Solomon, H. C.* 5
Epidemic Encephalitis in Military Personnel. *Sabin, A. B.* 281
Urologic Complications in Injury of the Spinal Cord. *Bumpus, H. C., et al.* 366
Psychic Factors in the Development and Treatment of Obesity. *Freed, S. C.* 369
Present Trends in the Practice of Neurology. *Wilson, G., and Rupp, C.* . 509
Cerebellar and Spinal Injuries after Chiropractic Manipulation. *Pratt-Thomas, H. R., and Berger, K. E.* 600
Ocular Manifestations of Psychosomatic Disorders. *Harrington, D. O.* . 669
Psychiatric Sense and Nonsense. *Burlingame, C. C.* 971

VOL. CXXXIV. 1947.

Intrathecal Penicillin. *Reuling, J. R., and Cramer, C.* 16
Tridione in the Treatment of Epilepsy. *Lennox, W. G.* 138
Spontaneous Regeneration of Severed Nerves. *Pollock, L. J., et al.* . . 330
Rheumatic Brain Disease. *Bruetsch, W. L.* 450
" Alcoholic Cirrhosis." *Boles, R. S., et al.* 670
The Epidemiology of Poliomyelitis. *Sabin, A. B.* 749
The Bulbar Form of Poliomyelitis 757
Psychoneurosis, its Significance in General Practice. *Waggoner, R. W.* . 779
Psychogenic Factors in Pelvic Pain. *Miller, W. R.* 938
Early Diagnosis of Poliomyelitis. *Pohl, J. F.* 1059
The Mechanism and Management of Injuries of the Head. *Gurdjian, E. S., and Webster, J. E.* 1072
Poliomyelitis. *Bodian, D.* 1148
Program for the Activation of Neurology under the Veterans' Administration. *Bailey, P.*. 1283
The Challenge of Functional Disease. *Nearn, J. T.* 1517
Psychosomatics. *Strecker, E. A.* 1520

VOL. CXXXV. 1947.

Polyethylene. *Ingraham, F. D., et al.* 82
The Neurologist Looks at Discipline. *Mackay, R. P.* 399
Some Applications of Psychiatry in General Medicine. *Groom, D.* . . 403
Bulbar Form of Poliomyelitis 425
Neurosurgery (and the Neurosurgeon) in World War II. *Spurling, R. G.* . 473
The Control of Epilepsy. *Loscalzo, A. E.* 496
Multiple Sclerosis 569
Psychiatric Contributions to Care of Tuberculous Patients. *Coleman, J. V., et al.* 699
Psychosomatic Medicine that Every Physician Should Know. *Alvarez, W. C.* 704
White Bread and Epilepsy in Animals. *Silver, M. L., et al.* 757
Role of " Agenezid " Flour in the Production of Running Fits. *Newell, G. W., et al.* 760
The Babinski Reflex after Fifty Years. *Wartenberg, R.* 763
Advances in Head Injuries. *Woodhall, B.* 816
Headache. *Butler, S., and Thomas, W. A.* 967
Psychiatric Aspects of Physical Medicine. *Watkins, A. L., and Finesinger, J. E.* 1050

J. AVIAT. MED.

VOL. XVIII. 1947.

Studies on Positive Pressure Respiration. IV. *Barach, A. L., et al.* . . 252

J. BELGE NEUROL. PSYCHIAT.

VOL. XLVII. 1947.

The Notion of Responsibility and the Psychiatric Appraisement. *Ley, J.* . 3
A New Type of Rapid Response Psychogalvanograph. *Heaskin, J., and Bobon, J.* 22

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

Relative to the Psychiatric Appraisement in Legal Medicine. *Bobon, J., and Errard, E.* 29
Considerations on Cerebral Senescence. *Divry, P.* 65
The Theory of Conditioned Reflexes in Psychiatry. *Heernu, J.* . . . 127

J. CLIN. ENDOCRIN.

VOL. VII. 1947.

Urinary Excretion of 17-Ketosteroids in Various Conditions of Oligophrenia Correlated with Some Autopsy Observations. *Benda, C. E., and Bixby, E. M.* 503

J. CLIN. INVESTIG.

VOL. XXVI. 1947.

Proteins in Colloidal Gold Reaction. *Bernsohn, J., and Borman, E. K.* . 1026

VOL. XXVII. 1948.

Exchange of Sodium and Potassium in Familial Periodic Paralysis. *Danowski, T. S., et al.* 65

J. CLIN. PSYCHOL.

VOL. IV. JANUARY, 1948.

The Bender-Gestalt. *Billingslea, F. Y.* 1
Observations on Human Behavior in Experimental Semistarvation and Rehabilitation. *Franklin, J. C., et al.* 28
A Preliminary Investigation of the Sergent Test. *Fassett, K. K.* . . 45
Recent Advances in Screening the Emotionally Maladjusted. *Zubin, J.* . 56
A Statistical and Profile Comparison of a Hospitalized Tuberculosis Group, etc. *Wechsburg, F. O., and Sparer, P. J.* 63
Directive Psychotherapy. XIV. *Thorne, F. C.* 70
The Wonderlic Personnel Test as a Predictor of Scores of the American Council and Education Examination. *Chesler, D. J.* 82

J. COMP. NEUR.

VOL. LXXXVII. DECEMBER, 1947.

Physiologic Consequences Following Extensive Removals of the Cerebellar Cortex, etc. *Carrea, R. M. E., and Mettler, F. A.* 169
Dorsal Roots Following Anastomosis of the Central Stumps. *Kimmel, D. L., and Moyer, E. K.* 289
The Climbing Fibers of the Simian and Feline Cerebellum. *Carrea, R. M. E., et al.* 321
Reticulospinal Tracts Influencing Motor Activity. *Niemer, W. T., and Magoun, H. W.* 367

J. COMP. PHYSIOL. PSYCHOL.

VOL. XL. 1947.

Enzyme Kinetics and the Dynamics of Behavior. *Hoagland, H.* . . 107
Biology of Drives. *Richter, C. P.* 129
A Modern Dynamic Psychology. *Lanotis, C.* 135
Water-hoarding in Rats. *Bindra, D.* 149
Heart Rate on a Behavioral Indicator in the Fetal Rat. *Rose D.* . . 157
Anticipation and Space Learning. II. *Blodgett, H. C., and McCutchan, K.* . 165
*Losses and Gains on the Alpha Group Examination as Related to E.C.T. *Stone, C. P.* 183
The Relative Effectiveness of Auditory Stimulation and Motivational Stress in Precipitating Convulsions Associated with Magnesium Deficiency. *Lazovik, D. A., and Patton, R. A.* 191
The Effects of Partial Section of the Auditory Nerve. *Neff, W. D.* . . 203
A Further Study of the Effects of Partial Section of the Auditory Nerve. *Wever, E. G.* 217

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

A Reaction Chaining Apparatus. *Herbert, M. J.* 227
The Relationship Between Voluntary Water Intake, Body Weight Loss and Number of Hours of Water Privation in the Rat. *Siegel, P. S.* . . . 231
An Analysis of Certain Cures in the Delayed Response. *MacCorquodale, K.* 239
An Investigation of Latent Learning in a T-maze. *Kendler, H. H.* . . . 265
An Examination of Some Factors Relating to the Voluntary Water Intake of the Rat. *Siegel, P. S.* 271
" Emotional " Behavior of Fighting Mice Caused by Conflict Between Weak Stimulatory and Weak Inhibitory Training. *Scott, J. P.* 275
Sound-induced Convulsions in the Hamster Associated with Magnesium Deficiency. *Patton, R. A.* 283

Losses and Gains on the Alpha Group Examination as Related to Electroconvulsive Shocks.

" In this study five forms of the Army Alpha Group Examination were given to 15 mental patients whose intellectual level and formal schooling were, on the average, above those of the general population. With but few exceptions one test was given: (1) one day after the first shock, (2) one day after the 9th or 10th shock, (3) one day after the 19th or 20th (last) shock, (4) one week after the last shock, (5) about 3 weeks after the last shock." The results indicated a significant decline in test scores from the beginning to the end of the course of shocks, with a significant rise during the time after the termination of shock treatment. It was not possible to evaluate the final scores in terms of pre-illness test level because of the lack of data for these patients covering that period. In some instances where such information was available, the pre-illness test level seemed to be regained within a month after the end of the convulsive therapy.

L. I. O'Kelly (Psychol. Abstr.).

J. CON. PSYCHOL.

VOL. XI. 1947.

Personality Factors in Symptomatic Chronic Alcoholism as Indicated by the TAT. *Klebanoff, S. G.* 111
The Validity of a General Information Test for Certain Groups of Army Illiterates. *Altus, W. D., and Bell, H. W.* 120
The Relative Incidence of Psychoneurosis Among Negroes. *Hunt, W. A.* 133
Fear and Courage in Aerial Combat. *Shaffer, L. F.* 137
Note on the Age Placement of Year-scale Tests. *Doll, E. A.* 144
The Shipley-Hartford Retreat Scale as a Quick Measure of Mental Status. *Garfield, S. L.* 148
A Note on the Use of the Woodworth-Mathews Questionnaire to Predict the " Emotional Adjustment " of Delinquent Boys in a Correctional School. *Harris, D. B.* 151
An Investigation of Nondirective Group Therapy. *Peres, H.* 159
Methods of Studying the Progress and Outcomes of a Group Psychotherapy Program. *Luchins, A. S.* 173
The Kuder Preference Record in Vocational Diagnosis. *Super, D. E.* . . . 184
The Kuder Preference Record and MMPI Scores for Two Occupational Groups. *Lewis, J. A.* 194
Color in the Rorschach and Kohs Block Designs. *Sarason, S. B., and Potter, E. H.* 202
Vocabulary and Efficiency Levels as Functions of Age in the Babcock Method. *Rabin, A. I.* 207
Personality Factors in Adolescent Female Friendships. *Reader, N.* . . . 212
A Note on the Scoring of the MMPI. *Gulde, C. J.* 221

J. EX. PSYCHOL.

VOL. XXXVII. 1947.

The Effects of Pacing and Distribution on Intercorrelations of Motor Abilities. *Nance, R. D.* 459
Experimental Extinction as a Function of the Distribution of Extinction Trials and Response Strength. *Rohrer, J. H.* 473

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

A Positive Relationship Between Reinforcement and Resistance to Extinction, etc. *Lawrence, D. H., and Miller, N. E.* 494
Some Functional Relationships of Reaction Potential and Related Phenomena. *Gladstone, A. I., et al.* 510
Sensory Pre-conditioning of Human Subjects. *Brogden, W. J.* . . . 527
Sensory Pre-conditioning and Incidental Learning in Human Subjects. *Karn, H. W.* 540
A Comparison of Learning under Motivated and Satiated Conditions in the White Rat. *Kendler, H. H.* 545

J. GENET. PSYCHOL.

VOL. LXX. JUNE, 1947.

The Infant's Reaction to his Mirror Image. *Gesell, A., and Ames, L. B.* . 141
The Development of Handedness. *Gesell, A., and Ames, L. B.* . . . 155
Homo sapiens Versus *Homo mechanicus*. *Elias, H.* 177
The Developmental History of a Group of Triplets. *Howard, R. W.* . . 191
Fetal Reactivity to Tonal Stimulation. *Bernard, J., and Sontag, L. W.* . 205
Children's Audiograms in Relation to Reading Attainment. I. *Henry, S.* 211

VOL. LXXI. SEPTEMBER, 1947.

Children's Audiograms in Relation to Reading Attainment. II. *Henry, S.* . 3
Children's Audiograms in Relation to Reading Attainment. III. *Henry, S.* 49
Do We Grow Mentally? *Oppenheimer, O.* 65
Lateral Preference of a Group of Mentally Subnormal Boys. *Mintz, A.* . 75
The Origin and Evolution of Bisexual Differentiation. *Kempf, E. J.* . . 85

J. GERONT.

VOL. II. 1947.

The Broader Implications of Aging. *Cowdry, E. V.* 277
Factors Contributing to Mental Disease in the Aged. *Stieglitz, E. J.* . . 283
Glycine-Creatine Metabolism in its Relationship to Aging. *Stern, K., and Askonas, B. A.* 296
The Relation of Nutritional Deficiency to Impaired Libido and Potency in the Male. *Biskind, M. S.* 303
The Effect of Age on the Carbohydrate Metabolism of Tissue Homogenates. *Reiner, J. M.* 315
The General Physiology of Aging. *Lansing, A. I.* 327

J. INTERNAT. COLL. SURG.

VOL. X. 1947.

Diagnosis and Treatment of Brain Tumor. *Jaeger, R.* 391
Neurosurgical Team. *Verbrugghen, A.* 487
Training of the Neurosurgeon. *Bailey, P.* 510

J. MT. SINAI HOSP.

VOL. XIV. 1947.

Comparison of Pneumoencephalography and EEG in Brain Tumors. *Schlesinger, B., and Strauss, H.* 47

J. NERV. MENT. DIS.

VOL. CVI. SEPTEMBER; 1947.

The Literary and Historical Contributions of Dr. Smith Ely Jelliffe. *Oberndorf, C. P.* 228
The Avoidance of " Emotion " in Medical Literature. *Bond, E. D.* . . 260
The Present Status of Neurology in the U.S.A. *Riley, H.A.* . . . 262
Psychoneuroses and Our Changing Times. *Hutchings, R. H.* . . . 283
Dream Life in a Case of Transvestism. *Karpman, B.* 292
Some Applications of a Psychoanalytic Concept in the Treatment of the Psychotic Patient. *Alexander, G. H.* 338

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

The Proprioceptive Nervous System. *Herrick, C. J.* 355
C.S.F. Studies in Cerebral Concussion. *Spiegel-Adolf, M., et al.* . . 359
Experimental and Clinical Studies on the Anticonvulsant Properties of Epidon. *Ellermann, M.* 369

OCTOBER.

The Pathways of the Tectum of the Midbrain in Cats. *Marburg, O., and Warner, F. J.* 415
An Objective Method of Recognizing Biophysical Artefacts in the EEG. *Thiesen, J. W.* 447
*The EEG in Epileptic Patients Aged 5–80 Years. *Robinson, L. J., and Osterheld, R. G.* 464
The Processes of Expectation and Anticipation. *Arieti, S.* 471
Psychiatric Realities. *Freyhan, F. A.* 482
A Case of Neuronitis Simulating Muscular Dystrophy. *Appfel, P. R.* . 493
EEG Changes Induced by Water Intoxication. *Cohn, R., et al.* 513
Some EEG Findings in Subcortical and Hypothalamic Lesions. *Laufer, M. W.* 527
Blocking of Chemical Decerebration by Pontile Pathology. *Lipton, B. S.* 537
Study of Carbonic Anhydrase in 37 Brains with Reference to Symmetry of Distribution. *Ashby, W., and Weickhardt, G. D.* 540
Objective (Behavioristic) Criteria of Recovery from Neuropsychiatric Disorders. *Eissler, K. R.* 550
Observations on Emotional Currents in Interview Group Therapy with Adolescent Girls. *Spotnitz, H.* 565
Diary of a War Neurosis. *Stern, L. R.* 583
Mental Hospitals: To-day and To-morrow. *Thomas, P. W.* 587

The Electroencephalogram in Epileptic Patients Aged 5 to 80 Years.

An analysis was made of the electroencephalographic findings in 369 cases of epilepsy (243 idiopathic and 126 symptomatic), aged five to 80 years, between periods of seizures.

Of the 146 patients under 20 years of age, 101 had idiopathic and 45 had symptomatic epilepsy.

Of the idiopathic group the EEG was aberrant in 91 per cent., with wave and spike forms accounting for 27 per cent.

Of the symptomatic group the EEG was aberrant in 60 per cent., with wave and spike forms accounting for 22·2 per cent.

For the combined total of epileptic patients in this age-span the incidence of aberrant EEGs was 80·8 per cent., with wave and spike forms accounting for 25·3 per cent.

Of 223 patients aged 20–80 years, 142 had idiopathic and 81 had symptomatic epilepsy.

Of the idiopathic cases the EEG was abnormal in 63·3 per cent., with wave and spike forms accounting for 16·4 per cent.

Of the symptomatic cases the EEG was abnormal in 54·3 per cent., with wave and spike accounting for 3·7 per cent.

For the combined total of epileptic patients in this age-span the incidence of abnormal EEGs was 61·1 per cent., with wave and spike accounting for 11·6 per cent.

On the whole, there was a lesser incidence of electroencephalographic abnormality among symptomatic than among idiopathic cases. Up to the age of 25 years, in cases of either idiopathic or symptomatic epilepsy, wave and spike forms showed a significantly higher incidence among younger patients. After the age of 25 years the symptomatic group showed a negligible incidence of wave and spike abnormalities, whereas the idiopathic group still displayed an appreciable, although waning incidence of wave and spike forms.

When the electroencephalographic abnormalities consisted of wave and spike forms, the case was more apt to be idiopathic, whereas when the abnormality consisted of either unilateral asymmetry, or generalized or isolated spikes, the case was more apt to be symptomatic epilepsy. (Authors' abstr.)

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

J. NEUR. NEUROSURG. PSYCHIAT.

VOL. X. AUGUST, 1947.

Angiomatose Encéphalo-Trigéininée sans Calcifications Radiologiquement Décelables. *Haemerlinck, C., et al.* 93
Diverticulum of the Lateral Ventricle Extending into the Posterior Cranial Fossa. *Macfarlane, W. V., and Falconer, M. A.* 101
*A Case of Musicogenic Epilepsy. *Shaw, D., and Hill, D.* 107
Electrical Aids in Prognosis of Nerve Injuries. *Newman, H. W., and Livingston, W. K.* 118
Electromyograms in Muscular Disorders. *Kugelberg, E.* 122
Cerebral Responses to Electrical Stimulation of Peripheral Nerve in Man. *Dawson, G. D.* 137

A Case of Musicogenic Epilepsy.

1. The development of a specific musical stimulus to fit production is described in an epileptic woman.

2. Extensive clinical investigations failed to reveal an acquired cerebral lesion, although the fit pattern, optokinetic response, and inter-seizure EEG indicate an epileptogenic area in the left temporal lobe.

3. Increases of blood pressure, heart rate, and respiration while listening to music were observed in this patient. These were associated with overt signs of emotion.

4. Fits could not be induced by pure tones, although the patient felt emotional to a tone of 512, which persisted, and was varied in loudness. Different kinds of music were invariably followed by a fit within five minutes.

5. Electroencephalographic studies showed a constant pattern for the development of the fit. No change of rhythm was seen while music was played before the fit began. The cortical discharge began six or seven seconds after the clinical onset. This discharge consisted of 6 c/sec. low voltage potentials having bilateral synchrony, steadily increasing in voltage and falling progressively in frequency to reach 2½–3 c/sec.

6. The possible mechanisms of fit production are discussed.

(Authors' abstr.)

NOVEMBER.

Investigations on a Patient Subject to Myoclonic Seizures after Sensory Stimulation. *Dawson, G. D.* 141
Actinomycosis of the Brain. *Lewin, W., and Morgan, A. D.* 163
Arsenical Encephalopathy in Indian Troops. *Krainer, L., et al.* . . . 171
Aphasia Studied in Patients with Missile Wounds. *Schiller, F.* 183

J. NEUROPATH. EX. NEUR.

VOL. VII. 1948.

The Pallial Component in Hepato-lenticular Degeneration. *Richter, R.* . 1
Hemochromatosis of the C.N.S. *Neumann, M. A.* 19
Studies on the Physiology and Therapy of Convulsive Disorders. *Toman, J. E. P., et al.* 35
Mode of Extension of Contrast Substances Injected into Peripheral Nerves. *French, J. D., et al.* 47
Myotonica Atrophica. *Hassin, G. B., and Kesert, B.* 59
Bone Formation and Distribution in Hyperostoses Associated with Meningiomas. *Freedman, H., and Forster, F. M.* 69
Multiple Primary Intracranial Tumors. *Alexander, W. S.* 81
The Human Pyramidal Tract. *Lassek, A. M.* 89

J. NEUROSURG.

VOL. V. 1948.

Observations on Standardizing the Surgical Management of Intracranial Suppuration. *Gurdjian, E. S., and Webster, J. E.* 1
Faulty Sensory Localization in Nerve Regeneration. *Hawkins, G. L.* . . . 11

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

Cranioplasty and the Post-traumatic Syndrome. *Grantham, E. G., and Landis, H. P.* 19
Residual Sympathetic Pathways after Paravertebral Sympathectomy. *Ray, B. S., and Console, A. D.* 23
Upward Transtentorial Herniation of the Brain Stem and Cerebellum due to Tumor of the Posteria Fossa. *Ecker, A.* 51
Nerve Regeneration. *Tarlov, I. M., et al.* 62

J. NUTRIT.

VOL. XXXIV. 1947.

Diet of Mother and Brain Hemorrhages in Infant Rats. *Brown, E. E., et al.* 141

J. OBST. GYN.

VOL. LIV. 1947.

Fetal Brain Tumour as Case of Dystocia. *Baxter, J.* 380

J. PARAPSYCHOL.

VOL. XI. 1947.

Help-hinder Comparison in PK Tests. *Humphrey, B. M.* 4
A Second Classroom ESP Experiment with the Free Response Method. *Stuart, C. E.* 14
Target Preference in PK Tests with Dice. *Pratt, J. G.* 26
A PK Experiment Under Light and Dark Conditions. *McMahon, E. A.* . . 46
Dice Bias and Manner of Throwing. *Pratt, J. G.* 55

J. PEDIAT.

VOL. XXXI. 1947.

Effect of Tridione on Blood. *Davis, J. P., and Lennox, W. G.* 24
Psychologic Considerations in Group of Children with Poliomyelitis. *Meyer, E.* 34
Serum Precipitable Iodines in Recognition of Cretinism and in Control of Thyroid Medication. *Man, E. B., et al.* 154
Stuttering: a Reorientation. *Missildine, W. H., and Glasner, P. J.* . . . 300
Sydenham's Chorea. *Kagan, B. M., and Mirman, B.* 322
Psychiatric Services in Children's Hospital. *Szurek, S. A.* 338

J. PERSONAL.

VOL. XV. JUNE, 1947.

The Structure of Sentiments. I. *French, V. V.*. 247
The Validation of Personality Factors in Humor. *Luborsky, L. B., and Cattell, R. B.* 283
Objective Measurements of Personality Traits. *Schettler, C.* 292
Tension and Tension Release as Organizing Factors in Perception. *Bruner, J. S., and Portman, L.* 300
The Incidence of Nervous Habits Observed in College Students. *Young, F. M.* 309
Personality Variation in a Primitive Society. *Wallace, W. J.* 321

J. PHARM. EX. THER.

VOL. XC. 1947.

Effect of Metrazol on Electrical Excitability of Respiratory Center when Depressed by Phenobarbital. *de Arellans, M.* 95
Detoxification of Barbiturates. *Dorfman, A., and Goldbaum, L. R.* . . . 330

J. PSYCHOL. NORM. PATH.

VOL. XXXIX. 1946.

A Type of Defensive Argument. *Meyerson, I., and Dambuyant, M.* . . . 387
Phonology and Psychology. *Tesniere, L.* 405
The Proprioceptive Sense and Visual Spatial Perception. *Jampolsky, P.* . 439

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

The Choice of Protein Foods by the Rat as a Function of his Nitrogen Need. *Aschkenasy-Zeln, P.* 445
Note on Rhythm in Voluntary Movements of the Hand. *de Montpellier, G.* 467
The Impression of an Amnesia Sufferer. *Chastaing, M.* 474

J. SOC. PSYCHOL.

VOL. XXVI. NOVEMBER, 1947.

Some Psychological Hypotheses on Nazi Germany. *Kecskerneti, P., and Leites, N.* 141
A Study of Homesickness in College Freshmen. *Rose, A. A.* 185
Achievement of a Group of Socially Maladjusted Boys as Revealed by the Stanford Achievement Test. *Feinberg, H.* 203
The Nature of Motivation. *Oppenheimer, O.* 213
Interests and Personality Traits of Bible Institute Students. *Kimber, J. A. M.* 225
Reactions to the Death of President Roosevelt. *Orlansky, H.* 235

J. SPEECH DIS.

VOL. XII. JUNE, 1947.

Speech Problem of the Cerebral Palsied. *Gratke, J. M.* 129
Use of Conversation Patterns to Promote Speed and Retention of Learning. *Backus, O. M., and Dunn, H.* 135
The Etiology and Nature of Functional Articulatory Defects in Elementary School Children. *Reid, G.* 143
Clinical Application of Two Harvard Auditory Tests. *Hirsh, I. J.* . . . 151
A Quantitative Method of Testing the Hearing of Young Children. *Keaster, J.* 159
Personality Adjustment Technique on Voice Therapy. *Duncan, M. H.* . 161
Oral Deformities and Dyslalias. *Partridge, L. M.* 168
Growth of Speech Correction Facilities in Colleges and Universities in Indiana. *Matthews, J., and Sheer, M. D.* 169
Infant Speech and The Problem of Variability. *Irwin, O. C.* 173
The Chewing Method Applied for Excessive Salivation and Drooling in Cerebral Palsy. *Sittig, E.* 191
The Chewing Method of Treating Stuttering. *Kastein, S.* 195

SEPTEMBER.

A Philosophy of Speech Correction. *Wood, K. S.* 257
Infant Speech and Variability and the Problem of Diagnosis. *Irwin, O. C.* 287
Aphasics: Observations and Tentative Conclusions. *Eisenson, J.* . . . 290
Spontaneous Versus Imitated Verbalization in Testing Articulation in Pre-school Children. *Templin, M. C.* 293
The Efficacy of Speech Re-education of Functional Articulatory Defectives in the Elementary School. *Reid, G.* 301
" Client-Centered " Therapy for Voice and Personality Cases. *Thorn, K.* . 314
A Psychosomatic Theory of Stuttering. *Karlin, I. W.* 319
Community Speech: Hearing Clinics. *Chapin, A. B.* 331

DECEMBER.

Group Pure Tone Hearing Testing in the Public Schools. *Newby, H. A.* . 357
Rehabilitation of the Aurally Handicapped Through the Study of Speech Reading. *Morkovin, B. V.* 363
Suggestions for Supervised Teaching in Speech Correction. *MacLearie, E. C.* 369
A Program for the Speech-inhibited Child. *Chapin, A. B., and Corcoran, M.* 373
The Method of Alexander Graham Bell and A. Melville Bell for Studying the Mechanism of Speech. *Platt, J. H.* 377
The Bell Reduced Visible Symbol Method for Teaching Speech to the Deaf. *Platt, J. H.* 381
Visual Aids to Speech Improvement. *Pronovost, W.* 387
A Non-Diagnostic Articulation Test. *Templin, M. C.* 392

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

Infant Speech. *Irwin, O. C.* . . . . . 397 and 402
The Organization of Therapy for Aphasia. I. *Wepman, J. M.* . . . 405
The Wisconsin Cleft Palate Program. *Phair, G. M.* 410
Studies in Clinical Techniques. II. *Palmer, M. F.* 415
Why Stammerers Suffer. *Purohit, S. W.* 419
A Study of Nondirective Correcting as Applied to Adult Stutterers. *Schultz, D. A.* 421
Repressed Hostility as a Factor in Adult Stuttering. *Abbott, J. A.* . . . 428

KANSAS M. S. J.

VOL. XLVIII. 1947.

Pentothal and Curare for Modification of Electric Convulsions. *Rising, J. D.* 456

LANCET.

1947 (i).

Social Aspects of Epilepsy. *Fox, V. T.* 775

(ii).

Cerebral Amebiasis Treated with Emetine. *Collard, P., and Kendall, D.* . 17
EEG Changes in Migraine. *Dow, D. J., and Whitty, C. W. M.* . . 52
Education of Psychiatrists. *Lewis, A.* 79
Emotional Aspects of Skin Disease. *Robertson, G. G.* 124
Penicillin as Prevention of Infection during Operations on Brain and Spinal Cord. *Pennybacker, J. B., et al.* 159
Electronarcosis. *Paterson, A. S., and Milligan, W. L.* 198
Wernicke's Encephalopathy in Surgical Practice. *Barrie, H. J.* . . . 278

L'ENCÉPHALE.

VOL. XXXVI. 1946–47.

Inoculation of a Syringomyelia into a Monkey and a Rabbit. *Guirand, P.* 197
Culture and Personality. *Pelage, S.* 219
Intracranial Hypotension and Cerebral Pneumotherapy. *Delay, J., and Sezaret, P.* 229
The Role of the Diencephalic Nuclei in the Pathogenesis of *Petit Mal*. *Salmon, A.* 240
The Phenomena of Demonaic Possession. *Lhermitte, J.* 261
Blood-histamine in Schizophrenics. *Strengers, Th., and Gooszen, J.-A. H.* . 238

L.EVOLUTION PSYCHIAT.

JANUARY–MARCH, 1947.

Affectivity. *Minkowski, E.* 47
The Nervous System and Nervous Troubles. *Ey, H.*. 71
The Psychiatric Symptom. *Borel, A.* 105
Psychic Causality. *Lacan, J.* 123
Psycho-motor Troubles. *Baruk, H.*. 167
Theories of Reflexology. *Ey, H.* 197
Some Thoughts on Conditional Reflexes. *Tusques, J.* 219
Psychoanalysis and Conditional Reflexes. *Parcheminey, G.* . . . 230
An Experimental Basis for Neurotic Behaviour. *Duflo, J.*. . . . 251
Psychopathology of Ties. *Rouart, J.* 267
English Psychiatry and the War. *Lacan, J.* 293

APRIL–JUNE.

The Process of Schizophrenization. *Bornsztajn, M.* 5
The Phenomenological Position in Psychiatry. *Van den Berg, J. H.* 23
A Case of Mental Anorexia. *Courchet, J. L.* 43
A Delusional Psychosis. *Follm, S.* 61

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

SEPTEMBER–OCTOBER.

The Development of a Neurosis in a Child. *Bleuler, M.* 1
A Child of Three and a Crisis of Personality. *Dublineau, J.* 21
Infantile Psychopathology and the Rorschach Test. *Minkowska, F., and Minkowski, E.* 65

MED. ANN. DIST. COL.

VOL. XVI. 1947.

Headache. *Chodoff, P., and Blumenthal, L. S.* 295
Prefrontal Lobotomy: Indications and Contra-indications. *Freeman, W., and Watts, J. W.* 355
Post-traumatic Psychoses and Neuroses. *Silk, S. A.* 432

MED. INTERNAZ.

VOL. LV. 1947.

Acetylcholine Treatment of Schizophrenia. *Fiamberti, A. M.* 60

M. J. AUSTR.

VOL. XXXIV. 1947.

The Anticonvulsant Properties of Creatinine. *Cade, J. F.* . . . 621
Olivo-ponto-cerebellar Atrophy. *Lambie, C. G., et al.* 626
Prefrontal Leucotomy. *Foxton, H. V.* 645

MICH. STATE M. J.

VOL. XLVI. 1947.

Application of Psychiatry to General Practice of Medicine. *Dorsey, J. M.* 671
Development and Use of Psychiatric Out-patient Department. *Ruggles, A. H.* 793
Should Patients be Ambulatory after Lumbar Puncture, etc.? *Cook, M. J.* 930
Some Psychosomatic Disorders Involve Skin. *Moloney, J. C.* 934
Improved Legal Procedure for the Care of Mentally Ill. *Moore, A. E.* . 1056

MILIT. SURG.

VOL. CI. 1947.

Has Psychiatry Failed Us in World War II? *Koontz, A. R.* 204

MIND.

VOL. LVII. 1948.

A Defence of Sense-Data. *Yolton, J. W.* 2
Memory. *Furlong, E. J.* 16
Freewill and Moral Responsibility. *Nowell-Smith, P.* 45

MINNESOTA MED.

VOL. XXX. 1947.

Minnesota Multiphasic Personality Inventory. *Walch, A. E., and Schneider, R. A.* 753

MISS. STATE M. A. J.

VOL. XLIV. 1947.

Medicolegal Aspects of Sale and Use of Barbiturates. *Pruitt, R. S.* . . . 419
Medicolegal Problems in Distinguishing Accident from Suicide, etc. *Breyfogle, H. S., and Richardson, O.* 423
Diagnosis and Treatment of Brain Abscess. *Carmichael, F. A., jun.* . . . 684

NEBRASKA STATE M. J.

VOL. XXXII. 1947.

Dilantin in Treatment of Epilepsy. *Wigton, H. A.* 272
Differential Diagnosis of Mental Deficiency in Infants. *Gesell, A. L.* . . . 304
Diagnosis and Treatment of Latent and Active Neurosyphilis. *Cash, P. T.* . . 356

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

NEDERL. TIJD. GENEESK.

VOL. XCI. 1947.

Encephalitis After German Measles. *Musaph, H.* 1141
Psychiatric and Neurologic Manifestations of Nicotinic Acid Deficiency. *Eringa, P. S.* 2099

NERV. CHILD.

VOL. VII. 1948.

Characteristic Psychological Variations in Cerebral Palsy. *Phelps, W. M.* . . 10
The Psychological Sequelae of Poliomyelitis. *Seidenfeld, M. A.* 14
Organic Lesions Leading to Speech Disorders. *Weiss, D. A.* 29
Adjustment Problems of the Deaf Child. *Heider, G. M.* 38
Effects of Blindness on the Cognitive Functions of Children. *Lowenfeld, B.* 45
Mental Disorders in Childhood due to Endocrine Disorders. *Margolese, M. S.* 55
Factors Responsible for Emotional Disturbances in Diabetic Children. *Fischer, A. E.* 78
Mental Disorder due to Juvenile Hepatitis. *Harms, E.* 84
Present Status of Allergy. *Abramson, H. A.* 86
Psychopathology of Childhood Tuberculosis. *Kramer, H. C.* 102
Psychologic Management of Children with Pulmonary Tuberculosis. *Kendig, E. C., jun.* 115

NEW ENGL. J. MED.

VOL. CCXXXVI. 1947.

Treatment of Hysterical Amnesia by Purely Pharmacologic Means. *Myerson, A.* 821
Disturbances of Metabolism Associated with Head Injuries. *Pickles, W.* . 858
Brain Abscess 989

VOL. CCXXXVII.

EEG in Neuropsychiatric Disorders Among Soldiers. *Kibbe, M. H.* . . . 122
Specific Reading Disability. *Eustis, R. S.* 243
Prefrontal Lobotomy in Chronic Depressive States of Old Age. *Myerson, A., and P. G.* 511

NEW JERSEY M. SOC. J.

VOL. XLIV. 1947.

Brief Psychotherapy. *Baker, E.* 260
Ramsey Hunt Syndrome with Thoracic Herpes. *Leff, W. A.* 262
General Surgery in Psychotic Patients. *Kustrup, J. F.* 357
Simulated Mental Retardation Produced by Emotional Neglect. *Shapiro, R. N.* 401

NEW ZEAL. M. J.

VOL. XLVI. 1947.

Principles Underlying Management of Epileptic Patient. *Allen, I. M.* . . 198
Central Neurofibromatosis. *Alexander, W. S.* 264
Electronarcosis Treatment of Schizophrenia. *Medlicott, R. W.* 280
Defect of Speech Function in Childhood. *Allen, I. M.* 297
Penicillin in General Paresis. *Lindsay, J. S. B.* 308

NO. WEST MED.

VOL. XLVII. 1947.

Tridione. *Rickles, N. K., and Polan, C. G.* 375
Craniocerebral Trauma. *Woolliever, F. J.* 614
Cerebrovascular Accidents. *Rankin, R. M.* 691

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

NORD. MED.

VOL. XXXIV. 1947.

Phenylpyruvic Oligophrenia. *Lassen, F.* 955
Twelve Cases of Grave Barbituric Acid Intoxication Treated with Picrotoxin. *Gelg, I.* 1025
Symptoms of Brain Tumour in Xanthomatosis. *Henschen, F.* 1487

VOL. XXXV.

Epidon—New Antiepileptic. *Ellermann, M.* 1541
Cases of Brain Tumour in Gothenburg Children's Hospital, 1931–45. *Nyrin, B.* 1566
Intake of Foreign Bodies by Psychopathic Patients. *Sachs, J.* 1628

NORTH CAROL. M. J.

VOL. VIII. 1947.

Bromide Intoxication. *Bender, J. R.* 357
Polydiurnal ECT in Mental Disorders. *Tyler, E. A., and Lowenbach, H.* . 577

N.Y. STATE J. MED.

VOL. XLVII. 1947.

ECT in Geriatrics. *Gallinek, A.* 1233
Use of Tridione in Treatment of Convulsive Disorders. *Simons, D. J.* . 1363
Tridione Therapy in Institutionalized Epileptic Patients. *Davidoff, E.* . 1492
Treatment of Lightning and Girdle Pains in Tabes Dorsalis with Niacin. *Pelner, L.* 1496

OCCUP. THER. AND REHABIL.

VOL. XXVI. 1947.

Art Expression and the Psychotic Patient. *Reitman, F.* 413
Analysis of Function. *Griffiths, H. E.* 440
Modern Trends in Occupational Therapy. *Licht, S.* 455
Ergotherapy in the Treatment of Mental Disorders. *Reid, E. C.* . . 461
Idiocy Among Children. *Voisin, F.* 468

OHIO ST. M. J.

VOL. XLIII. 1947.

Some Reflections on Psychosomatic Medicine. *Pinkerton, R. E.* . . 613
Recurrent Headache and Some Neurogenic Equivalents. *Kern, F. J.* . 730
Migraine : Treatment with D.H.E. 45. *Friedman, M. D., and Wilson, E. J.* 934
Religion in Psychologies of Jung and Freud. *Postle, B.* 947

OKLAH. STATE M. A. J.

VOL. XL. 1947.

Convulsions in Infancy. *Rubin, H. J.* 286
Use of Curare in ECT. *Turner, T. R.* 338
Mental Fatigue States, Symptoms and Diagnosis. *Rayburn, C. R.* . . 375

PHILIPPINE M. A. J.

VOL. XXIII. 1947.

Psychology of the Sick Person. *Cruz, J. E.* 203

PRACTIT.

VOL. CLIX. 1947.

Recognition of Neurotic Illness. *Miller, H. G.* 128

PR. MED.

VOL. LV. 1947.

EEG Study of Sensory Dominance of One Cerebral Hemisphere. *Cornil, L., and Gastaut, H.* 421

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

PROC. ROY. SOC. MED.

VOL. XL. 1947.

The Importance of Statistics in Psychiatry. *Penrose, L. S.* 863

PROC. STAFF. MEEL. MAYO. CLINIC.

VOL. XXII. 1947.

Syndrome of Cerebral Abscess and Congenital Cardiac Disease. *Gates, E. M., et al.* 401
Cardiac Manifestation of Anxiety. *Burchell, H. B.* 433

PSYCHIATRY.

VOL. X. NOVEMBER, 1947.

The Study of Psychiatry. *Sullivan, H. S.* 355
Psychological Aspects of Obesity. *Bruch, H.* 373
The Schizoid Maneuver. *Silverberg, N. V.* 383
The Quantitave Analysis of Case Records. *Berelson, B.* 395
An Age of Mass Communication. *Meadows, P.* 405
The Personal Meaning of the Human Figure in the Rorschach. *Hertzman, M., and Pearce, J.* 413
Observations on Japanese Early Child Training. *Sikkema, M.* 423

PSYCHOANAL. QUART.

VOL. XVI. 1947.

On Some Psychodynamics of Masochism. *Berliner, B.* 459
Some Observations on a Form of Projection. *Saul, L. J.* 472
Basic Mental Concepts. *Glover, E.* 482
The Fallacious Use of Quantitative Concepts in Dynamic Psychology. *Kubie, L. S.* 507
Mohare Ovality. *Devereux, G.* 579

PSYCHOL. BULL.

VOL. XLV. 1948.

The Influence of Work on Behavior. *Solomon, R. L.* 1
The Use of Addends in Experimental Control, Social Census and Managerial Research. *Toops, H. A.* 41
Current Trends in Psychology. *Boring, E. G.* 75

PSYCHOL. REV.

VOL. LIV. NOVEMBER, 1947.

Evloutionary Changes in the Physiological Control of Mating Behaviour in Mammals. *Beach, F. A.* 297
The Growth of the Sensory Control of Behavior before Birth. *Carmichael, L.* 316
Structural Variation in the Nervous System in Relation to Behavior. *Lashley, K. S.* 325
The Hoarding Instinct. *Morgan, C. T.* 335
Methodological Resources for the Experimental Study of Innate Behavior as Related to Environmental Factors. *Stone, C. P.* 342
Summary Comments on the Heredity-Environment Symposium. *Hunter, W. S.* 348

VOL. LV. JANUARY, 1948.

A Motivational Theory of Emotion to Replace "Emotion as Disorganized Response." *Leeper, R. W.* 5
Cognition of the Particular and of the Generic. *Maslow, A. H.* . . . 22
Free-Will as a Function of Divergence. *London, I. D.* 41
Concepts and Methods in the Measurement of Group Syntality. *Cattell, R. B.* 48

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

PSYCHOMET.

VOL. XII. 1947.

Goodness of Fit of Trend Curves and Significance of Trend Differences. *Lindquist, F. E.* 65
The Estimation of Reliability when Several Trials are Available. *Alexander, H. W.* 79
An Empirical Comparison of Methods of Communality Estimation. *Medland, F. F.* 101
Tables for the Determination of the Significance of Skewness and of the Significance of the Difference in the Skewness of Two Independent Distributions. *Taylor, E. K.* 111
A Modified Aitken Pivotal Condensation Method for Partial Regression and Multiple Correlation. *Van Boren, A.* 127
Dynamics of the Cerebral Cortex Automatic Development of Equilibrium in Self-organization Systems. *Ashby, W. R.* 135
Table of Mean Deviates for Various Portions of the Unit Normal Distribution. *Leverett, H. M.* 141
Note on the Sampling Error of the Difference Between Correlated Proportions or Percentages. *McNemar, Q.* 153

PSYCHSOM. MED.

VOL. IX. 1947.

Role of Somatic Trigger Areas in the Patterns of Hysteria. *Travell, J., and Bigelow, N. H.* 353
A Rorschach Tension Score and the Diurnal Lymphocyte Curve in Psychotic Subjects. *Phillips, L., and Elmadjian, F* 364
Psychosomatic Considerations in Peptic Ulcer. *Zane, M. D.* 372
The Relation of Group Morale to the Incidence and Duration of Medical Incapacity in Industry. *Brodman, K., and Hellman, L. P.* 381

PSYKOL. STUD.

1945.

Cattell's Intelligence Tests. *Skoogaard-Petersen, K.* . . . . . Ser. 1
Rorschach Test. *Rattleff, A.* . . . . . ,, 1
Educational and Adjustment Difficulties Among Children. *Farup, B.* ,, 2
Psychological Observation of Children. *Hertz, G. J.* . . . . . ,, 2

PUB. HLTH. REP.

VOL. LXII. 1947.

Mental Hygiene in Public Health. *Lemkau, P. V.* 1151
State Planning for Participation in National Mental Health Act. *Felix, R. H.* 1183

RADIOL.

VOL. XLIX. 1947.

Irradiation of Experimental Cerebral Tumors. I and II. *Tansley, K., and Wilson, C. W.* 62

RASS. NEUR. VEGET.

VOL. V. MARCH, 1947.

Pneumocisternography of Sellar and Suprasellar Tumours. *Beltoni, G. B.* 309
" Total Hypoendocrinia " and the Syndrome of Sjögren. *Breda, R.* . . 325
Melancholia with Emaciation. *Spaccarelli, G., and Sassaroli, S.* . . 341
What Do We Mean by the Hemicraniosis of Brissaud-Lereboullet? *Bassi, M.* 351
Neuroendocrine Correlation and Mammary Function in Hypothyroidism. *de Biasio, B.* 366
A Contribution to the Study of the Mode of Action of Hormones affecting Sugar Regulation. *Marinelli, L., and Giunti, V.* 374

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

Observations on the Leucocyte Reaction from Mechanical Intradermal Stimulation in Relation to Pharmacodynamic Action. *Colombo, P., and Vittone, A.* 377
A Comparison Between Breitman's Test and Other Tests of Neuro-vegetative Function. *Spadea, G., and Rossi, G.* 384
The Influence of Nicotinic Acid on Neuro-vegetative Equilibrium. *Ballabio, C. B., and Bonomo, E.* 390
Variation of Sensibility to Adrenalin Provoked by Acidosis and Alkalosis. *Dotto, D., and Rosselli, M.* 403
Studies on Vasomotor Function in Toxic and Infective States. *Pansini, R.* 415
Gastro-Duodenal Motility Estimated by a Double Balloon Sound. *Bisaro, A.* 448

VOL. VI. OCTOBER, 1947.

Gliomas of the Middle Third of the Hemisphere and Parasagittal Meningiomas. *Spaccarelli, G.* 1
Induced Modification of the Hypophysis from Experimental Lymph Stasis of the Head. *Gastaldi, A.* 18
Studies on Arterial Hypertension. *Matteini, M., et al.* 24
Thyroid and Methyluracil. *Corelli, D.* 93
Studies on Nanism and Infantilism Associated with Chronic Visceral Disease. *Rosselli del Turco, L., and Matteini, M.* 106
The Functioning of Neurovegetative Centres in the Pathological Picture of Toxic and Toxi-infective States. I and II. *Pansini, R.* . 143 and 163
The Supply of Increased Alkali on the Hypertensive Effect of Adrenalin. *Del Dolto, M.* 184

REV. MED. CHILE.

VOL. LXXV. 1947.

Psychogenic Factors in Bronchial Asthma. *Arcaya, A.* 454

REV. MED. RAMON Y CAJAL.

VOL. VI. 1947.

Histopathologic Diagnosis of Cerebral Tumors. *von Lichtenberg, F.* . . . 598

REV. NEUROL.

VOL. LXXIX. 1947.

An Intermediate Type Between Thomsen's Disease and the Myopathies. *Roaquès, L., et al.* 481
Vegetative Sciatica, Hypertrophic and Atrophic. *Pitha, V.* 491
Triple Contraction and Triple Chronaxie of Striated Muscle. *Bourguignon, G.* 567
Two Cases of Exceptional Cerebral Dysgenesis. *Gustaut, H., and de Wolf* . 591

REV. OTO-NEURO-OFTAL.

VOL. XXII. 1947.

The Influence of Alterations in the Vasomotor System of the Eye in Relation to Local Arterial Pressure and Intraocular Pressure. *Barany, E. A.* . 73
The Action of Minimal Elective Vasodilation in Chorioretinitis and in Certain Cases of Senile Retinitis. *Gallois, J.* 78

RHODE IS. M. J.

VOL. XXX. 1947.

Lobotomy. *Hamlin, H.* 511
Records and Neuropsychiatry. *Senseman, L. A.* 517
Psychiatric Lessons Learned with Army. *Farrell, M. J.* 582
Certain Aspects of Problem Drinking. *Durfee, C. H.*. 651

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

ROCKY MO. M. J.

VOL. XLIV. 1947.

Mesantoin. *Carter, H. R.* . . . . . 614.

SCHW. MED. WO.

VOL. LXXVII. 1947.

C.S.F. Changes in Pseudosyphilitic Wassermann-Positive Bronchopneumonia. *Hegglin, R.* 588
Pharmacotherapeutic Action of Acetylcholine and Prostigmine in Biochemical Consideration. *Guggenheim, M.* 657
Familial Occurrence of Multiple Sclerosis. *Maier, C.* 697
Present State of Knowledge of Olfactory System of Brain. *Brodal, A.* . 971
Psychoses Resulting from Abuse of Sleepiness Counteracting Synthetic Amine Compound. *Harder, A.* 982
Influence of D.H.E. 45 on Psychomotor Excitation. *Pritzker, B.* . . . 985

SCHWEIZ. Z. PSYCHOL. ANW.

VOL. I. 1943.

Steadiness and Unsteadiness. *Moor, P.* 36
Blood Type, Character, Constitution. *Schaer, K. F.* 75
The Behn-Rorschach Test. *Zulliger, H.* 93
The Psychology of Drawing. *Morgenthaler, W.* 102
Psychotherapy and Philosophy of Life. *Jung, C. G.* 157
Limiting Situations in Human Existence. *Storch, A.* 185
Behavior as a Category of Knowledge. *Sganzini, C.* . . . 201 and 280
The Collaboration of the Neurologist and the Practical Psychologist. *Meier-Müller, H.* . . . . . 213 and 290
The Fractionated Osiris. *Kielholz, A.* 241
Eugène N. Marais and the Problem of the Animal Mind. *Baumann, C.* . 258

VOL. II.

Heidegger's Existential Philosophy. *Tumarkin, A.* 145
Fundamentals of Characteristics of Intelligence. *Meili, R.* . 166 and 265
From the Consultation Hour of the Psychotherapist. *Maeder, A.* . . 185
The Significance of Dissociations in Mental Life. *Pulver, M.* . . . 194
Rumour as a Phenomenon of Mass Psychology. *Brinkmann, D.* . 200 and 272
The Problem of Supernatural Entities. *Ehrlich, W.* 212

VOL. II. 1943.

Introduction to the Theory of Fake Analysis by Dr. L. Szondi. *Wagner-Simon, T.* 3
Affective Foundations of Animal Behaviour. *Holzapfel-Meyer, M.* . . 19
Graphological Investigation as a Means of Testing the Theory of Hypnosis. *Stokvis, B.* 64
On the Malagasy Ideas of the Heart. *Leib, A.* 83
Rorschach Method—Rorschach Movement. *Morgenthaler, W.* 117
Fact and Value. *Edlin, G* 225
Pyorrhoea and Psychology. *Meng, H.* 249
The Significance of the Psychology of Religion. *Schär, H.* 255
Disturbance of Learning. *Zulliger, H.* 283
The Meaning of the Mental. *Morf, G.* 302
New Points of View in Psychology. *Sutermeister, H.* 307
Psychology in Hungary. *Payer, M.* 316

VOL. VI. 1947.

Animal Societies and Human Societies. *Favre, A.* 113
Psychological Observations in the Concentration Camp, Auschwitz. *Adelsberger, L.* 124
Problems of Transference in Freud and Jung. *Graber, G. H.* 131

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

SO. CAROL. M. A. J.

VOL. XLIII. 1947.

Development of a Mental Health Program in a State. *Felix, R. H.* . . 232

SO. MED. J.

VOL. XL. 1947.

ECT.—387 Cases. *Denser, C. H.* 587
Biological and Sociological Factors in Involutional States. *Chamberlain, O. B.* 675
Migraine as Seen by Ophthalmologist. *Holden, F. A.* 757
Statistical Comparative Study on Mental Diseases Between Cuba and United States. *Bustamente, J. A.* 768

SO. SURG.

VOL. XIII. 1947.

Rational Treatment of Brain Abscess. *Haynes, W. G.* 734

TENNESSEE ST. M. A. J.

VOL. XL. 1947.

Lead Encephalopathy. *Woolley, C. W.* 188
Surgical Treatment of Localized Epilepsy. *Pilcher, C.* 241

TEXAS ST. J. MED.

VOL. XLII. 1947.

Clinical Disorders Associated with Functional and Organic Disturbances in Hypothalamic and Other Midbrain Centers. *Grollman, A.* 693

VOL. XLIII. 1947.

Management of Emotional Disorders in Adults. *Cooper, M. J.* 60
Use of Hydantoin (Mesantoin) as Anticonvulsive Drug. *Harris, T. H., and Otto, J. L.* 328

UROL. CUT. REV.

VOL. LI. 1947.

Neurosyphilis as Seen by Internist. *Bernstein, C., and Klotz, S. D.* . . 200

U.S. NAVAL MED. BULL.

VOL. XLVII. 1947.

Emotion: Etiologic Relation to Illness. *Caveny, E. L.* 421
Psychiatric Evaluation of Naval Delinquent. *Boshes, L. D.* 458
Critical Analysis Obtained from 873 EEG Examinations. *Rossen, R.* . 494
Consideration of Significance of Hallucinations. *Wall, O. A., jun.* . . 622

VIRG. MED. MO.

VOL. LXXVI. 1947.

Neuropsychiatry as Related to the General Practitioner. *Blalock, J. R.* . 246
Present Status of Shock Therapy. *Gayle, R. F., jun., and Neale, C. L.* . 294
The Psychoneuroses: What the General Practitioner Should Know. *Daval, A. M.* 351
Practice of Psychosomatic Medicine. *Williams, J. F.* 401

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

WEST VIRG. M. J.

VOL. XLIII. 1947.

Psychiatry and the General Practitioner. *Gerstle, M. L., jun.* . . . 303

WISC. MED. J.

VOL. XLVI. 1947.

What World War II Has Done to Neuropsychiatry. *Bleckwenn, W. J.* . 607

1. Biochemistry.

Inactivation of Certain Neurotropic Viruses in Vitro by Serum Lipides. Casals, J., and Olitsky, Peter K. (Rockefeller Inst., New York, N.Y.). [*Science*, **106**, 267–8 (1947).]

Serum lipides from mice, rabbits, hamsters, and horses reduced the potency of St. Louis, Russian, Far East, and Japanese *B. encephalitis* viruses. The lipide fractions were obtained by acetone-ether or hot alcohol extractions, and were emulsified in buffer saline solution before incubation with virus (infected mouse brain suspension) at pH 7·0–7·2 and 37° for periods up to 24 hours. The viral inactivation took place also in the presence of serum protein at 2–4°, although more slowly. The inactivating agent was not dialyzable and withstood heating at 99° for 1 hour. Its ability to change surface or interfacial tension showed no correlation with its antivirus action. When serum was extracted in succession with acetone, Et_2O, and hot EtOH–Et_2O, each extract was effective against virus. Whole lipides from egg yolk were inactive, those from brain moderately active. Of various brain lipide fractions, the acetone extract was markedly active, the Et_2O and hot EtOH–Et_2O extracts were only moderately so. The results may have bearing on the neutralization test for neurotropic viruses, and on chemotherapy of infections by them. MARION HORN PESKIN (Chem. Abstr.).

The Role of Acetylcholine in the Organism. Danielopolu, D. (Première clinique méd., Bucarest). [*Ann. méd.*, **47**, 121–8 (1946).]

The function of acetylcholine (AC) as a transmitter of nerve impulses is briefly discussed. In immunity processes the antigen in contact with the body cells liberates AC which in turn causes the production of globulins. The latter, in contact with the antigen, acquire the qualities of sp. antibodies. If the antigen is present in the organism for a longer time it causes an excessive formation of AC-precursor substance. Although AC is not a constituent of the antibody, it is in close connection with it. The introduction of antigen into the immunized organism causes the formation of the immunity complex, antigen-antibody-alexin, with the liberation of AC, the latter eliciting the anaphylactic shock. The types of antibodies that use alexins (cytolysins, bacteriolysins) cause reactions of an explosive nature. Other antibodies, like agglutinins, antitoxins, and precipitins, do not require alexins and act slowly with limited AC release. If the antigen is introduced into the organism in quantities too large to be destroyed by the antibodies, then a part is incompletely disintegrated and a sp. " apotoxin " is formed, which causes the symptoms of the disease. The development of the disease determines a second phase of immunity formation. Increased metabolism, as produced by infection, involves a higher consumption of AC which leads to tachycardia. When the immunity process has increased the AC production sufficiently to obtain adequate immunity, a shock, corresponding to the crisis in pneumonia, sets in, characterized by hypotension, bradycardia, eosinophilia, leucopenia and monocytosis. The defense mechanism of an organism is determined by the ratio of AC formation and cholinesterase. Eserine inhibits cholinesterase and also adrenolytic factors. The digitalis glycosides have the same action. Consequently digitalis should not be used as an exclusive cardiac agent but as a means of raising the " vegetative tonus." Eserine could serve the same purpose but its action is of too short duration. Both drugs favor the anaphylactic shock, which is prevented by atropine. The simultaneous application of digitalis with imunizing agents leads to increased immunity. It is admitted that histamine plays a role also. It is liberated by the action of the apotoxins on tissues. A. E. MEYER (Chem. Abstr.).

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

The Effect of X-rays on the Vegetative Nervous System. Nemenov, I. M. I. (Central Roentgenol. Radiol. Cancer Inst., Moscow). [*Am. Rev. Soviet Med.*, **4**, 446–8 (1947).]

Radiation therapy is of value in ulcerative diseases, jejunal ulcer, hypertension, Basedow's disease, and pericolitis complicated by severe constipation. The favorable effect on gastric ulcer and gastric crisis depends on the action of X-rays on the vegetative nervous system. Sugar and Ca contents of the blood are stabilized when either too high or too low, and gastric hyper- or hypoacidity is regulated. No changes were observed in patients who had a normal blood sugar or Ca, or a normal HCl in the gastric juice. In certain cases of chronic eczema with disturbed equilibrium of the vegetative nervous system, radiation was of value when administered to the corresponding segments of the spinal cord, as well as of the hypothalamus. W. R. HENN (Chem. Abstr.).

Development of Nervous Activity and Chemical Factors of Nervous Activity in Cats. Kakushkina, E. A. [*Byull. Eksptl. Biol. Med.*, **22**, *No.* 7, 65–7 (1946); *cf. C. A.*, **40**, 7242[2].]

The amount of acetylcholine-like material and of acetylcholine esterases was determined for the cerebral hemispheres of cat embryos of various lengths, for new born kittens and for kittens 2, 5, 7, 11 and 20 days old and for kittens 4 months old. The increase in acetylcholine-like materials is not a linear function of growth. Values for acetylcholine in γ were: for 5·5-cm. embryo 0·30, for 8-cm. embryo 0·23, for a kitten 2 days old 0·90, for 5 days old 0·60, for 7 days old 0·70, for 11 days old 0·54, for 20 days old 0·32 and for 4 months old 0·40. Esterase development did not follow the same pattern as growth in acetylcholine-like materials. Activity of esterases as measured by the amount of acetylcholine in γ increased throughout embryonic life and reached a maximum in the kitten 2 days old. Even at 4 months the degree of activity of esterase as measured by the acetylcholine destroyed in 15 minutes (0·45 γ) was larger than the maximum found in embryonic life (0·17 γ) in the case of the 8-cm. embryo, but was not as great as in the newborn cat (0·72 γ). N. M. P. (Chem. Abstr.).

The Occurrence of Citrate in Human Cerebrospinal Fluid with Special Consideration of the Difference between the Citrate Content found by Lumbar and by Subarachnoid Puncture. Benni, Bertil, Larsson, Hans, and Thunberg, Torsten. (Univ. Lund, Sweden). [*Kgl. Fysiograf. Sallskap. Lund, Forh.*, **13**, 91–7 (1943) (*Pub.* 1944) *(in German) : cf. C. A.* **24**, 4549, 5827.]

Normal values for citric acid (I) in cerebrospinal fluid (II) (in γ per ml.) were 45–55, as determined by the methods of Pucher *et al.* (*cf. C. A.*, **30**, 2597[8]) and of Thunberg (*C. A.*, **27**, 5770). The average normal value was 50. In meningitis, syphilitic nerve diseases and vascular lesions, (I) increased to 50–100 (or more). Lower values occurred in epilepsy, hydrocephalus, and brain tumors with increased intracranial pressure, but (I) was never totally absent from (II). Amounts of (I) in the (II) of the following numbers of epileptics were : 4 (under 30), 19 (31–35), 10 (36–40), 7 (46–50). The arithmetrical average value was 31 γ per ml. The amount of (I) in normal serum is 20–25, about half the amount in (II). Ratios between various constituents in serum and in (II) are discussed. Ca and Mg are probably present to some extent as complex univalent " calcitrate " and " magnecitrate " ions, respectively. Average values for the amount of (I) in (II) in different diseases by subarachnoid and by lumbar puncture, respectively, were: acute encephalitis, 40, 53; chronic encephalitis, 39, 56; epilepsy, 34, 47 ; cerebral hemorrhage, 35, 58 ; cerebral arteriosclerosis, 36, 72 ; hypertonia, 28, 53 ; cerebral tumor, 49, 63 ; cephalalgia, 28, 51. Average values for all the pathological conditions were 36 and 57, respectively. Results are discussed but without any very definite conclusions. W. C. TOBIE (Chem. Abstr.).

Certain Hormones in the Cerebrospinal Fluid. Myasnikov, A. L. (Naval Med. Acad., Leningrad). [*Klin. Med. (U.S.S.R.)*, **23**, *No.* 12, 156–63 (1945).]

Intravenous injection of freshly drawn spinal fluid (5–10 c.c.) in human cases leads to a sharply raised blood-sugar level, i.e. the action is similar to that of the

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

hypophysis hormones. The rise is of the order of 20–5 mgm. per cent. and lasts about 2 hours. The donors showed a significant drop of the sugar level, which was especially pronounced in diabetic patients where drops of 50–150 mgm. per cent. over several hours were observed. The recipients showed in some cases a slight rise of blood pressure although if the donor was a hypertonic individual, the blood pressure of the recipient gave a fairly pronounced rise for several hours. The pressor effect was also given by donors with diabetes or acromegaly. Since the pulse is not affected, the hormone involved is not the adrenotropic hormone. The donors gave an opposite picture of blood-pressure variation, but also showed a distinct rise of blood cholesterol, which levelled off within 3 hours. The greatest changes again occurred in diabetic patients. The effects described are linked to hypophysis hormones which penetrate into the spinal fluid.

G. M. KOSOLAPOFF (Chem. Abstr.).

The Pituitary Gland and Carbohydrate Metabolism. I. The Posterior Lobe. Corkill, A. B., and Nelson, J. F. (Baker Med. Research Inst., Melbourne, Australia). [*Med. J. Australia*, **34**, 130–4 (1947).]

The antagonism between posterior pituitary lobe extract and insulin on blood sugar was studied in cats, usually under amytal anaesthesia but sometimes under spinal. Eviscerated preparations were sometimes used. Posterior pituitary extract "surgical," which was employed, appeared to provoke a secretion of adrenaline which counteracted the insulin hypoglycemia.

II. *The Anterior Lobe. Ibid.*; 172–4.—The effects of anterior pituitary extract and insulin on glycogen and sugar content of the rat diaphragm musculature was studied by means of a modified Gemmel technique previously described. The initial glycogen content of muscles in rats treated with anterior pituitary extract was lower than in normal muscles. In Ringer's solution without insulin 90 per cent. of the glucose that disappeared could be accounted for by oxidation. With insulin, the extra glucose disappearing in the muscle strips could be accounted for by the deposition of muscle glycogen. The amount of glucose that disappeared from the strips of muscle prepared from rats treated in the absence of insulin with anterior pituitary extract was of the same order as that observed in normal animals. These findings are discussed.

G. H. W. LUCAS (Chem. Abstr.).

Disturbances in the Autonomous Nervous System in B_1-avitaminosis. Selezeneva, I. A. A. [*Farmakol i Toksikol*, **10**, *No.* 2, 3–6 (1947).]

Functional changes were studied in the neuromuscular system of B_1-avitaminotic rats with the Magnus method. Adrenaline (I), acetylcholine (II), and $BaCl_2$ (III) were tested for depressant and paralytic effects on the autonomous innervation system of intestinal musculature. A direct relation was observed between neuromuscular effect and duration of avitaminosis. There were 3 test groups: 10 rats, 4 months of B_1-free diet; 5 rats, 1 month; 5 controls, normal diet. Drug concentrations in p.p.m. were: (I), 0·005, 0·0067, 0·01, 0·02; (II), 0·002, 0·004, 0·005, 0·0067, 0·01, 0·02; (III) 12·5, 16·7, 25. Serious depression of autonomous intestinal innervation was observed; the effects of (I) and (II) indicate, in addition to inhibition or paralysis of receptor activity, a high content of adrenoxidase and cholinesterase.

JULIAN F. SMITH (Chem. Abstr.).

Cholinesterase. Bodansky, Oscar (Edgewood Arsenal, Md.). [*Ann. N.Y. Acad. Sci.*, **47**, *Art.* 4, 521–47 (1946).]

Recent data on cholinesterase (I) suggest there is not 1 or 2 types of (I) but rather a "family" of enzymes which in a general way can be divided into 2 groups. The division is made on the basis of their reaction to increasing substrate concentrations (I) in sera and some tissues obey the Michaelis-Menton formulation while the (I) in red cell and brain are inhibited at higher substrate concentrations of acetylcholine. The effects of pH and various ions on (I) are discussed. Disagreements in the literature are resolved if it is remembered that the studies were carried out on (I) from different sources. The *in vitro* action of various (I) inhibitors is summarized. The sensitivity of (I) to inhibition by diisopropyl fluorophosphate (II) varies, depending on the source, (I) from rabbit serum requiring about 1/10,000th as much (II) as the other sera studied to give 50 per cent. inhibition.

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press

Administration of (II) to monkeys gave no symptoms even when the serum (I) levels was reduced to zero ; severe toxic symptoms are associated with zero levels of brain (I) activity. Recovery of brain (I) in rabbits poisoned with (II) is exceedingly slow. The inhibition of (I) by (II) is irreversible since dilution or dialysis does not increase activity of (I) inactivated with (II). Attempts to classify (I) from various sources into types such as specific or true and nonspecific or pseudo lose their significance when the comparisons are made using additional criteria such as sensitivity to (II) or activity against triacetin. There is no evidence to suggest that the low serum (I) values found in debilitating diseases are of any special significance, so far as transmission of nervous impulses is concerned.

CARL C. SMITH (Chem. Abstr.).

https://doi.org/10.1192/bjp.94.396.665 Published online by Cambridge University Press