

Copyright © 1985 by the American Medical Association

**CALENDAR** ..... 8

**NEWS** ..... 9

**LETTERS TO THE EDITOR** ..... 15

**Effects of Propranolol on Ataxic Syndromes** William J. Duhigg, MD, Lakewood, Ohio . . . **Absence of CNS Lesion in Autopsied Patients With Miller-Fisher Syndrome** Allan Ropper, MD, Boston . . . **Linolenic Acid Deficiency** J. C. Winter, PhD, Buffalo . . . **Autonomic Function in Myotonic Dystrophy** Michael J. Aminoff, MD; Dennis J. Beckley, MD; Malcolm B. McIlroy, MD, San Francisco

**1984 REVIEWERS** ..... 19

**EDITORIALS**

**A DNA Polymorphism for Huntington's Disease Marks the Future**  
*Nancy S. Wexler, PhD, Santa Monica, Calif;*  
*P. Michael Conneally, PhD, Indianapolis;*  
*David Housman, Cambridge, Mass; James F. Gusella, PhD, Boston* ..... 20

**Neurotoxicity of Metrizamide**  
*Sven Ekholm, MD, Harry Fischer, MD, Rochester, NY* ..... 24

**ORIGINAL CONTRIBUTIONS**

**Computed Tomography in Chronic Seizure Disorder Caused by Glioma**  
*Keith M. Rich, MD; Sidney Goldring, MD; Mokhtar Gado, MD, St Louis* ..... 26

**Familial Hypokalemic Periodic Paralysis: 50-Year Follow-up of a Large Family**  
*Onno J. S. Buruma, MD, PhD; Gerard Th. A. M. Bots, MD, PhD;*  
*Lodewijk N. Went, DSc, Leiden, the Netherlands* ..... 28

**Early Cortical Median Nerve Somatosensory Evoked Potentials: Prognostic Value in Anoxic Coma**  
*Hermann Walsler, MD; Heinrich Mattle, MD;*  
*Herbert M. Keller, MD, PhD; Robert Janzer, MD, Zurich* ..... 32

**Aphasia Following Pluridirectional Tomography With Metrizamide: The Effect of Patient Position**  
*Michael J. Butler, MD; Steven H. Cornell, MD;*  
*Antonio R. Damasio, MD, PhD, Iowa City* ..... 39

**Propranolol Plasma Levels and Relief of Migraine: Relationship Between Plasma Propranolol and 4-Hydroxypropranolol Concentrations and Clinical Effects**  
*Pietro Cortelli, MD; Tommaso Sacquegna, MD; Fiorenzo Albani, MD;*  
*Anna Baldrati, MD; Roberto D'Alessandro, MD; Agostino Baruzzi, MD;*  
*Elio Lugaresi, MD, Bologna, Italy* ..... 46

**Fingerprint Patterns in Alzheimer's Disease**  
*Herman J. Weinreb, MD, New York* ..... 50

**Dysphagia in Huntington's Disease**  
*Norman A. Leopold, DO, Marion C. Kagel, MA, Chester, Pa* ..... 57

**Vertebrobasilar Transient Ischemic Attacks in Internal Carotid Artery Occlusion or Tight Stenosis**  
*Julien Bogousslavsky, MD, Franco Regli, MD, Lausanne, Switzerland* ..... 64

Average Monthly Circulation, 16,900

Chief Editor  
**Robert J. Joynt, MD, PhD**  
601 Elmwood Ave  
Rochester, NY 14642

Editor Emeritus  
**Maurice W. Van Allen, MD**, Iowa City

Associate Editors  
**David Goldblatt, MD**, Rochester, NY  
**Melvin D. Yahr, MD**, New York

Assistant Editors  
**Richard Rudick, MD**, Rochester, NY  
**Ira Shoulson, MD**, Rochester, NY

Book Review Editor  
**Maurice Charlton, MD**, Rochester, NY

History Editors  
**Robert Currier, MD**, Jackson, Miss  
**Richard Satran, MD**, Rochester, NY

Neurological Review Editors  
**Richard Moxley III, MD**, Rochester, NY  
**Anne Young, MD, PhD**, Ann Arbor, Mich

Editorial Assistant  
**Patricia E. Goodman, MFA**, Pittsford, NY

**EDITORIAL BOARD**

**Robert H. Ackerman, MD**, Boston  
**Patrick F. Bray, MD**, Salt Lake City  
**Thomas N. Chase, MD**, Bethesda, Md  
**Antonio Damasio, MD, PhD**, Iowa City  
**David Drachman, MD**, Worcester, Mass  
**Gerald M. Fenichel, MD**, Nashville, Tenn  
**David Goldblatt, MD**, Rochester, NY  
**Robert C. Griggs, MD**, Rochester, NY  
**John Growdon, MD**, Boston  
**Vladimir Hachinski, MD, FRCP(C)**, London, Ontario  
**William F. Hoyt, MD**, San Francisco  
**Jun Kimura, MD**, Iowa City  
**Matthew Menken, MD**, New Brunswick, NJ  
**John Moossy, MD**, Pittsburgh  
**John Mullan, MD**, Chicago  
**Edward P. Richardson, Jr, MD**, Boston  
**Bennett M. Stein, MD**, New York  
**Maurice W. Van Allen, MD**, Iowa City  
**Jack P. Whisnant, MD**, Rochester, Minn  
**Melvin D. Yahr, MD**, New York

The ARCHIVES OF NEUROLOGY (ISSN 0003-9942) is published monthly by the American Medical Association, 535 N Dearborn St, Chicago, IL 60610, and is an official publication of the Association. Second-class postage paid at Chicago and at additional mailing office.

**James H. Sammons, MD**, Executive Vice-President

**Richard A. Noffke**, Deputy Executive Vice-President, Corporate, Publishing and Management Services

**George D. Lundberg, MD**, Vice-President, Scientific Information

**John T. Baker**, Vice-President, Publishing

**Norman D. Richey**, Director, Publication Production and Printing Division

**Joseph Dennehy**, General Sales Manager, Director, Advertising Sales and Promotion Services Division

**Lee A. Parent**, Director, Circulation-Fulfillment Division

**PUBLICATION STAFF**  
535 N Dearborn St  
Chicago, IL 60610

**Gabriela Radulescu**, Managing Editor and Director, Specialty Journal Department

**Michael D. Springer**, Assistant Editor

**Marlene M. Hinsch**, Production Manager

**John R. Sayban**, Assistant Production Manager

**Cheryl Iverson**, Editorial Processing Manager

**Paula Glitman**, Assistant Editorial Processing Manager

**Dennis J. Shipley**, Reprints and Permissions

**Copy Editing:** Kathleen Swartz (Supervisor), Deborah Thorp (Free-lance Coordinator), Stephen Borysewicz, Vickey Golden, Edward Jyvaskylä

**Production Supervisors:** Betty Frigerio (Advertising), Thomas J. Handrigan (Illustrations), Elizabeth Petrikenas (Proofreading), JoAnne Weiskopf (Layout), Blake Winter (Editorial)

**Proofreading:** Verna Coffman, Patricia Coyne, Winifred O'Reilly, Lisette Sabbach, Barbara Wojtowicz

**Art and Senior Production Assistants:** Karen Branham, Diane Darnell, Donna Hagler, Jerri Hall-Gortowski, Debra Lucas, Marilyn Moroney, Terese Noto, Susan Price, Zack Price, Janice Techter, Sandra Williams, Ellen Yoshihara

**Production Assistant:** Carmen Muñoz

**Manuscript Records:** Shirley Goines

**Editorial Assistant:** Jean Schaffner

**Indexing:** Phyllis H. McLaren (Supervisor), Mary Kay Tinerella, Pam Wood

Please address correspondence concerning accepted or published communications to: AMA Specialty Journals, 535 N Dearborn St, Chicago, IL 60610.

**Thomas J. Carroll**, Director, Department of Promotion

**Raymond Christian**, Director, Advertising Services Department

**ADVERTISING OFFICES:** Eastern: 600 Third Ave, Suite 700, New York, NY 10016 (**Manager:** Robert C. Corcoran [212-867-6640]; **Representative:** Phillip B. Altamore); Midwest/Farwest: 535 N Dearborn St, Chicago, IL 60610 (**Manager:** Thomas J. Carroll [312-280-7182]; **Representatives:** John P. Cahill, Midwest; Daniel T. Mjolsness, Farwest)

**ADVERTISING PRINCIPLES:** Each advertisement in this issue has been reviewed and complies with the principles governing advertising in AMA scientific publications. A copy of these principles is available on request.

## CONTENTS CONTINUED

### **Methylphenidate Therapy for Aggression in a Man With Ring 22 Chromosome: Report and Literature Review**

*Alison Reeve, MD; Sally A. Shulman, MD; Andrew W. Zimmerman, MD; Suzanne B. Cassidy, MD, Farmington, Conn* ..... 69

### **HYPOTHESIS**

#### **B-Cell Abnormalities in Multiple Sclerosis: A Hypothesis**

*Raymond P. Roos, MD, Chicago* ..... 73

### **CONTROVERSIES IN NEUROLOGY**

#### **Evoked Responses: Overused, Underused, or Misused?**

*Keith H. Chiappa, MD, Robert R. Young, MD, Boston* ..... 76

#### **Abuse and Misuse of Evoked Potentials as a Diagnostic Test**

*Jun Kimura, MD, Iowa City* ..... 78

#### **Comment**

*Vladimir Hachinski, MD, London, Ontario* ..... 80

### **CONFERENCE REPORT**

#### **Clinical Impact of Recombinant DNA Research on Neurogenetic Diseases: Report of Mary Jennifer Selznick Workshop, Organized by the Hereditary Disease Foundation**

*Roger Kurlan, MD, Rochester, NY* ..... 82

### **BRIEF COMMUNICATIONS**

#### **Return to Alertness After Brain-Stem Hemorrhage: A Case With Evoked Potential and Roentgenographic Evidence of Bilateral Tegmental Damage**

*Russell K. Portenoy, MD; Diane Kurtzberg, PhD; Joseph C. Arezzo, PhD; George H. Sands, MD; Ann Miller, MD; Herbert G. Vaughan, Jr, MD, New York* ..... 85

#### **California Encephalitis Virus Causes Subacute Encephalomyelitis in an Adult**

*Max R. Taylor, MD; Don E. Carpenter, MD; Robert D. Currier, MD; W. R. Lockwood, MD, Jackson, Miss* ..... 88

### **CLINICAL NOTES**

#### **Bilateral Pontine Gaze Palsy: Nuclear Magnetic Resonance Findings in Presumed Multiple Sclerosis**

*Raji Joseph, MD; Patrick Pullicino, MRCP; C. David S. Goldberg, MRCP; F. Clifford Rose, FRCP, London* ..... 93

#### **Neonatal Lumbar Plexus Injury**

*Ellen E. Hope, MD; John B. Bodensteiner, MD; Nguyen Thong, MD, Oklahoma City* ..... 94

### **INSTRUCTIONS FOR AUTHORS**

**INDEX TO ADVERTISERS** ..... 96

**SUBSCRIPTION RATES**—The subscription rates for the ARCHIVES OF NEUROLOGY are as follows: for members of the AMA, \$1.50 included in the annual membership dues; for nonmembers, \$40 for one year, \$72 for two years in the United States and US possessions; all other countries, one year, \$50; two years, \$92 (add \$10 surcharge to each one-year subscription, \$20 for two years for air delivery to the United Kingdom and Europe only). **Special yearly rates to residents and medical students** in the United States and US possessions, one year, \$20; two years, \$36. Rates for subscriptions for delivery to Bangladesh, India, Japan, Nepal, South Korea, and Sri Lanka are available through respective exclusive agents. Address all subscription communications to the American Medical Association, Circulation and Fulfillment Division, 535 N Dearborn St, Chicago, IL 60610. Phone: (312) 280-7154.

**CHANGE OF ADDRESS**—POSTMASTER, send all address changes to Caryl L. Wertheimer, Director of Fulfillment, 535 N Dearborn St, Chicago, IL 60610. Notification of address change must be made at least six weeks in advance, include both old and new addresses, a recent mailing label, and your zip code.