

Copyright © 1987 by the American Medical Association

Average Monthly Circulation, 19,800

<b>CALENDAR</b> .....	<b>357</b>
<b>LETTERS TO THE EDITOR</b> .....	<b>361</b>
<b>Magnetic Resonance Imaging in Patients With Intractable Focal Seizures</b> Jonathan I. Wiener, MD, St Louis, Mo; Ronald P. Lesser, MD, Baltimore, Md; Meredith A. Weinstein, MD, Cleveland	
<b>NEWS</b> .....	<b>361</b>
<b>ORIGINAL CONTRIBUTIONS</b>	
<b>Clinical Assessment of 31 Patients With Wilson's Disease: Correlations With Structural Changes on Magnetic Resonance Imaging</b> <i>Simon Starosta-Rubinstein, MD; Anne B. Young, MD, PhD; Karen Kluin, MS; Gretchen Hill, PhD; Alex M. Aisen, MD; Trygve Gabrielsen, MD; George J. Brewer, MD, Ann Arbor, Mich</i> .....	
	<b>365</b>
<b>Correlation of Clinical and Immunologic States in Multiple Sclerosis</b> <i>M. Ray Mickey, PhD; George W. Ellison, MD; John L. Fahey, MD; Dewey J. Moody, PhD; Lawrence W. Myers, MD, Los Angeles</i> .....	
	<b>371</b>
<b>Mood Disorder and Multiple Sclerosis</b> <i>Russell T. Joffe, MD; Gerard P. Lippert, MD; Trevor A. Gray, MD; Gordon Sawa, MD; Ziporah Horvath, RN, Toronto</i> .....	
	<b>376</b>
<b>Trigeminal Neuralgia and Multiple Sclerosis</b> <i>Ronald Brisman, MD, New York</i> .....	
	<b>379</b>
<b>The Relevance of Contralateral Recordings and Patient Disability to Assessment of Brain-Stem Auditory Evoked Potential Abnormalities in Multiple Sclerosis</b> <i>S. R. Hammond, MB, BS, FRACP; C. Yiannikas, MB, BS, FRACP, Sydney, New South Wales, Australia</i> .....	
	<b>382</b>
<b>Neuropsychiatric Aspects of Multi-infarct Dementia and Dementia of the Alzheimer Type</b> <i>Jeffrey L. Cummings, MD; Bruce Miller, MD; Mary Ann Hill, PhD; Robert Neshkes, MD, Los Angeles</i> .....	
	<b>389</b>
<b>Tactile Discrimination Learning Deficits in Alzheimer's and Parkinson's Diseases</b> <i>Morris Freedman, MD, FRCP(C), Toronto, Marlene Oscar-Berman, PhD, Boston</i> .....	
	<b>394</b>
<b>Cholinesterases in Cerebrospinal Fluid: A Longitudinal Study in Alzheimer Disease</b> <i>Roger Elble, MD, PhD, Ezio Giacobini, MD, PhD, Springfield, Ill; Gian Franco Scarsella, PhD, Rome</i> .....	
	<b>403</b>

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

Associate Editors  
**David Goldblatt, MD, Rochester, NY**  
**Vladimir Hachinski, MD, FRCP(C)**  
London, Ontario  
**Melvin D. Yahr, MD, New York**

Assistant Editors  
**Richard Rudick, MD, Cleveland**  
**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**  
**Antonio Damasio, MD, PhD, Iowa City**  
**David Drachman, MD, Worcester, Mass**  
**David Goldblatt, MD, Rochester, NY**  
**Robert C. Griggs, MD, Rochester, NY**  
**John Growdon, MD, Boston**  
**Robert M. Herndon, MD, Rochester, NY**  
**Jun Kimura, MD, Iowa City**  
**Harvey S. Levin, PhD, Galveston, Tex**  
**Matthew Menken, MD, New Brunswick, NJ**  
**John Moossy, MD, Pittsburgh**  
**George W. Paulson, MD, Columbus, Ohio**  
**Marjorie E. Seybold, MD, La Jolla, Calif**  
**Arnold Starr, MD, Irvine, Calif**  
**Jack P. Whisnant, MD, Rochester, Minn**

**James H. Sammons, MD, Executive Vice-President**  
**James S. Todd, Senior Deputy Executive Vice-President**  
**Whalen M. Strobhar, Deputy Executive Vice-President**  
**Theodore R. Chilcoat, Jr, Assistant Executive Vice-President**  
**M. Roy Schwarz, MD, Assistant Executive Vice-President**  
**George D. Lundberg, MD, Vice-President, Scientific Information**  
**John T. Baker, Vice-President, Publishing and Marketing**  
**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**

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.

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

CONTENTS CONTINUED

**Akinetic Mutism in a Bone Marrow Transplant Recipient Following Total-Body Irradiation and Amphotericin B Chemoprophylaxis: A Positron Emission Tomographic and Neuropathologic Study**  
*Orin Devinsky, MD, Walter Lemann, MD, New York; Alan C. Evans, PhD, Montreal; James R. Moeller, PhD, David A. Rottenberg, MD, New York* ..... 414

**Hyperlipidemia Is a Risk Factor for Decreased Cerebral Perfusion and Stroke**  
*John S. Meyer, MD; Robert L. Rogers, PhD; Karl F. Mortel, PhD; Brian W. Judd, MA, Houston* ..... 418

**Plasma Monaminergic Metabolites and Catecholamines in Subarachnoid Hemorrhage: Clinical Implications**  
*Akemi Minegishi, PhD; Takashi Ishizaki, MD, Tokyo; Yasuaki Yoshida, MD; Asamitsu Ahagon, MD; Norio Shibata, MD; Hiroo Kobayashi, MD, Kanagawa, Japan* ..... 423

**Multifocal Central Nervous System Lesions in Three Patients With Trichinosis**  
*Axel Ellrodt, MD; Patricia Halfon, MD; Philippe Le Bras, MD; Philippe Halimi, MD; Patrice Bourée, MD; Martine Dési, MD; René Caquet, MD, Bicêtre, France* ..... 432

**Sporadic Non-A, Non-B Hepatitis and Epstein-Barr Hepatitis Associated With the Guillain-Barré Syndrome**  
*William N. Macleod, MBChB, MRCP, Dundee, Scotland* ..... 438

**HISTORY OF NEUROLOGY**

**Cerebral Congestion: A Vanished Disease**  
*Gustavo C. Román, MD, FACP, Lubbock, Tex* ..... 444

**REMINISCENCES**

**An Introduction to Harvard Neurology**  
*Charles D. Aring, MD, Cincinnati* ..... 450

**NEUROLOGICAL REVIEW**

**Neurologic Aspects of Boxing**  
*Barry D. Jordan, MD, New York* ..... 453

**INSTRUCTIONS FOR AUTHORS** ..... 363

**INDEX TO ADVERTISERS** ..... 460

**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, \$42 for one year, \$76 for two years in the United States and US possessions; all other countries, one year, \$52; two years, \$96 (add \$15 surcharge to each one-year subscription, \$30 for two years for air delivery to the United Kingdom, Europe, Bangladesh, India, Nepal, or Sri Lanka). **Special yearly rates to residents and medical students** in the United States and US possessions, one year, \$21; two years, \$38. Rates for subscriptions for delivery to Australia, Japan, New Zealand, or South Korea 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.

**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. Mjölsness, 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. The appearance of advertising in AMA publications is not an AMA guarantee or endorsement of the product or the claims made for the product by the manufacturer.



The ARCHIVES OF NEUROLOGY is a member of the consortium of AMA journals listed below. The Archives reaches more than 19,800 readers in 85 countries each month. The complete text of all AMA journals is available on the MEDIS data base from Mead Data Central, Dayton, Ohio.

- JAMA** The Journal of the American Medical Association
- AJDC** American Journal of Diseases of Children
- archives of **Dermatology**
- archives of **General Psychiatry**
- archives of **Internal Medicine**
- archives of **Neurology**
- archives of **Ophthalmology**
- archives of **Otolaryngology-Head & Neck Surgery**
- archives of **Pathology & Laboratory Medicine**
- archives of **Surgery**

**PUBLICATION STAFF**

- 535 N Dearborn St, Chicago, IL 60610
- Gabriela Radulescu**, Managing Editor and Director, Specialty Journal Department
- Michael D. Springer**, Associate Editor
- Marlene M. Hinsch**, Production Manager
- John R. Sayban**, Assistant Production Manager
- Cheryl Iverson**, Editorial Processing Manager
- Paula Giltman**, Assistant Editorial Processing Manager
- Dennis J. Shipley**, Permissions and Graphic Design Manager
- Staff Assistants:** Diane Darnell, Bonnie Van Clevon
- Copy Editing:** Edward Jyväskylä (Supervisor), Vickey Golden (Free-lance Coordinator), Dee E. Egger, Daniel Knight, Donald N. La Petina, Esther Mott-Rabinovitz
- Production Supervisors:** Betty Frigerio (Advertising), Thomas J. Handrigan (Illustrations), Elizabeth Petrikenas (Proofreading), Mary C. Steermann (Editorial), JoAnne Weiskopf (Layout)
- Proofreading:** Jennifer Reiling, Lisette Sabbach, Barbara Wojtowicz
- Art and Senior Production Assistants:** Karen Branham, Donna Hagler, Jerri Hall-Gortowski, Sally Hoyt, Debra Lucas, Terese Noto, Dorothy Patterson, Mary C. Planek-Vanco, Susan Price, Deirdre Rittenhouse, Jill Stein, Sandra Williams, Ellen Yoshihara
- Production Assistants:** Darlene E. Filips, Anita Jackson
- Editorial Assistant:** Jean Schaffner
- Indexing:** Norman Frankel (Supervisor), Hermese Bryant, Mary Kay Tinerella
- Thomas J. Carroll**, Director, Department of Promotion
- Raymond Christian**, Director, Advertising Services Department