

Copyright © 1985 by the American Medical Association

CALENDAR	417
LETTERS TO THE EDITOR	423
<p>Carotid Bruit Controversy Brian R. Chambers, MD, John W. Norris, MD, Toronto . . . Subcortical Neglect: Intentional or Attentional? Fausto Viader, MD; Jean Cambier, MD; Maurice Masson, MD; Jean-Pierre Decroix, MD, Clichy, France; Andrew Kertesz, MD, FRCP(C), London, Ontario . . . Anterior Choroidal Artery Syndrome Thomas N. Ward, MD, Hanover, NH, José M. Ferro, MD, Lisbon</p>	
EDITORIAL	
<p>Cerebral Dominance <i>Robert J. Joynt, MD, PhD, Rochester, NY</i></p>	
	427
SPECIAL ARTICLE	
<p>Cerebral Lateralization: Biological Mechanisms, Associations, and Pathology: I. A Hypothesis and a Program for Research <i>Norman Geschwind, MD, Albert M. Galaburda, MD, Boston</i></p>	
	428
ORIGINAL CONTRIBUTIONS	
<p>Mathematical Models of Patterns of Seizures: Their Use in the Evaluation of Drugs <i>Anthony Hopkins, MD, FRCP (London), London; Philip Davies, MSc, Coventry, England; Charles Dobson, PhD, London</i></p>	
	463
<p>Phenytoin Disposition in Obesity: Determination of Loading Dose <i>Darrell R. Abernethy, MD, PhD, David J. Greenblatt, MD, Boston</i></p>	
	468
<p>γ-Aminobutyric Acid in CSF of Children With Febrile Seizures <i>Matthew Knight, MD, Iowa City; James Ebert, MD, Knob Noster, Mo; Ruth Ann Parish, MD, Seattle; Helen Berry, MS, M. Harold Fogelson, MD, Cincinnati</i></p>	
	474
<p>Long-term Follow-up of Seizures Associated With Cerebral Arteriovenous Malformations: Results of Therapy <i>Martin J. Murphy, MD, Iowa City</i></p>	
	477

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
James S. Todd, Senior Deputy 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, Associate 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, Permissions and Graphic Design
Copy Editing: Kathleen Swartz (Supervisor), Vickey Golden (Free-lance Coordinator), Stephen Borysewicz, Richard Diaz, Edward Jyväskylä
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, Terese Noto, Mary C. Planek, Susan Price, Zack Price, Janice Techter, Sandra Williams, Ellen Yoshihara
Production Assistant: Darlene E. Filips
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. Mjølness, 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.

CONTENTS CONTINUED

Incidence of Seizures With Tricyclic and Tetracyclic Antidepressants
Bahman Jabbari, MD; George E. Bryan, MD; Ellis E. Marsh, MD; Carl H. Gunderson, MD, Bethesda, Md 480

Unilateral Hemispheric Injury and Ipsilateral Instinctive Grasp Reaction
Etsuro Mori, MD, Atsushi Yamadori, MD, Himeji, Japan 485

CSF Monoamine Metabolite Levels in Alzheimer's and Parkinson's Disease
Candace J. Gibson, PhD, London, Ontario; Mary Logue, John H. Growdon, MD, Boston 489

Cluster Headache: Local Anesthetic Abortive Agents
Jeffrey P. Kittrelle, MD; David S. Grouse, MD; Marjorie E. Seybold, MD, San Diego 496

OBITUARY

Norman Geschwind
Antonio R. Damasio, MD, PhD; Albert M. Galaburda, MD, Iowa City 500

INDEX TO ADVERTISERS 499

INSTRUCTIONS FOR AUTHORS See April 1985 issue, p 312

CORRECTION

Spinal Segmental Myoclonus: Successful Treatment With Cervical Spinal Decompression
David G. Daniel, MD, David L. Webster, MD, Nashville, Tenn 488

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, \$15; two years, \$28. 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.