

Editor: George D. Lundberg, MD
Deputy Editor: M. Therese Southgate, MD
Senior Editors: John D. Archer, MD, Bruce B. Dan, MD
Senior Contributing Editor: Drummond Rennie, MD
Contributing Editors: John P. Callan, MD, Charles B. Clayman, MD, Lester S. King, MD, Harriet S. Meyer, MD, Carlotta M. Rinke, MD
Statistical Editor: Naomi Vaisrub, PhD
Morris Fishbein Fellow: Helene M. Cole, MD
Medical News—Editor: Phil Gunby; **Associate Editors:** Kimberly Glasbrenner, Marsha F. Goldsmith, Charles Marwick (Washington, DC), Kathryn Simmons, Terra Ziporyn
Assistant Editors: Charlene Breedlove, Elizabeth Knoll, Hilda L. Slive, Roxanne K. Young
Manager: Martha Carney
Production Manager: Marlene M. Hinsch
Assistant Production Manager: John R. Sayban
Editorial Processing Manager: Cheryl Iverson
Assistant Editorial Processing Manager: Paula Gitman

Reprints and Permissions: Dennis J. Shipley
Manuscript Records: Ethel Pinkston
Production Supervisors: Lori A. Burnette (Copy Editing), Thomas J. Handrigan (Illustrations), Elizabeth Petrikenas (Proofreading), John R. Sayban (Advertising), Bonnie Van Clevon (Editorial), Jo Anne Weiskopf (Layout)
Copy Editing: Deborah Thorp (Free-lance Coordinator), Toni Brandeis, Vickie Golden, Elaine Masciale, James Zrimsek

Proofreading: Verna Coffman, Patricia Coyne, Winifred O'Reilly, Lisette Sabbach, Barbara Wojtowicz
Letters: Sharon Iverson (Editorial Coordinator)
Senior Production Assistants: Karen Branham, Diane Darnell, Debra Lucas, Marilyn Moroney, Terese Noto, Susan Price, Zack Price, Cathy Watkins, Blake Winter, Ellen Yoshihara

Production Assistant: Darlene E. Filips
Illustrations and Layout: Jerri Hall-Gortowski, Donna Hagler, Janice Techter, Sandra Williams
Cover Editor: M. Therese Southgate, MD
Editorial Assistants: Mary Cannon, Cassandra Johnson, Roberta Larson, Mary Ann Lilly, Rosemary Navarro, Sheri Raynard, Ann Schoenberger, Lucille Souci
Indexing: Phyllis H. McLaren (Supervisor), Mary Kay Tinerella, Pam Wood

All articles published, including editorials, letters, and book reviews, represent the opinions of the authors and do not reflect the official policy of the American Medical Association or the institution with which the author is affiliated, unless this is clearly specified.

JAMA, THE JOURNAL of the American Medical Association (ISSN 0098-7484), is published four issues per month by the American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Phone (312) 645-5000. Cable address "Medic" Chicago.

SUBSCRIPTION RATES—The subscription rate per year for members of the AMA is \$2 included in the annual membership dues. The subscription rate per year for nonmembers is \$52 for one year, \$90 for two years in the United States and US possessions; in all other countries, one year, \$68; two years, \$110 (add \$30 surcharge to each one-year subscription and \$60 surcharge to each two-year subscription for air delivery to the United Kingdom and Europe only). Rates to medical students and residents, \$26 for one year, \$45 for two years in the United States and US possessions. 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 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 new zip code.

Second-class postage paid at Chicago and additional mailing office.

JAMA[®] Registered in the US Patent and Trademark Office.
 Copyright © 1985 by the American Medical Association



THE COVER

Pablo Picasso, *Two Youths* 962
 M. M. Gedo, PhD, Chicago

MEDICAL NEWS 943

PET Scans 'Relate Clinical Picture to More Specific Nerve Function' . . . Magnetic Resonance 'Sees' Lesions of Multiple Sclerosis . . . Miscellaneous Medica

LEADS FROM THE MMWR 957

DOMESTIC ABSTRACTS 969

REFERENCE DIRECTORIES

US Meetings, Feb 8; Foreign Meetings, Jan 11; Organizations of Medical Interest, Jan 25; State Associations and Exams and Licensure, Jan 18; AMA Officials, Oct 5

INSTRUCTIONS FOR AUTHORS January 25, 1985 p 485

LETTERS 976

Physicians on Nuclear War R. D. Gillette, MD, Cincinnati . . . **Diagnosis of Meralgia Parasthetica** A. D. Ecker, MD, Syracuse, NY, D. Gateless, DO, J. Gilroy, MD, FRCP(C), Detroit . . . **Phenylpropanolamine Exposure and Subsequent Hospitalization** P. Aseton, RN, MS, H. Jick, MD, Waltham, Mass, J. R. Hunter, Seattle . . . **Mycosis Fungoides Treated With Acyclovir** G. Mahrle, MD, B. Thiele, MD, G. K. Steigleder, MD, Cologne, West Germany, S. N. Horwitz, MD, P. Frost, MD, Miami Beach, Fla . . . **Anaphylaxis Associated With Chymopapain Injections** G. E. Battit, MD, Boston, W. W. Whisler, MD, PhD, Chicago . . . **Kinetic Analysis of Lipoproteins** A. C. Asmal, MD, PhD, MRCP, FCP, Boston, Y. A. Kesaniemi, MD, Helsinki, S. M. Grundy, MD, PhD, Dallas . . . **Pneumocystis Pneumonia: Response to Corticosteroids** M. A. Foltzer, MD, S. E. Hannan, MD, A. J. Kozak, MD, Cooperstown, NY . . . **Obligatory Running and Anorexia Nervosa** R. Dresser, JD, Houston, J. A. Blumenthal, PhD, Durham, NC . . . **Toxic Effects of Marine Plywood** G. Gidseg, MD, Orange Park, Fla . . . **Emergency Medicine** H. L. May, MD, Boston, J. C. Johnson, MD, Valparaiso, Ind . . . **Geriatrics Residency and Fellowship Programs** G. R. Batra, MS, K. Steel, MD, Boston

A PIECE OF MY MIND

Knowing Ron 985
 P. L. Spechko, RN, San Diego

ORIGINAL CONTRIBUTIONS

Cytologic Manifestations of Cervical and Vaginal Infections:
I. Epithelial and Inflammatory Cellular Changes 989

N. B. Kiviat, MD; J. A. Paavonen, MD; J. Brockway, CT(ASCP); C. W. Critchlow, MS; R. C. Brunham, MD; C. E. Stevens, MA, PA; W. E. Stamm, MD; C. C. Kuo, MD, PhD; T. DeRouen, PhD; K. K. Holmes, MD, PhD, Seattle

Cytologic Manifestations of Cervical and Vaginal Infections:
II. Confirmation of *Chlamydia trachomatis* Infection by Direct Immunofluorescence Using Monoclonal Antibodies 997

N. B. Kiviat, MD; M. Peterson, CT(ASCP); E. Kinney-Thomas, PhD; M. Tam, PhD; W. E. Stamm, MD; K. K. Holmes, MD, PhD, Seattle

Renal Dysfunction After Arteriography 1001

R. A. Mason, MD; L. A. Arbeit, MD, F. Giron, MD, PhD, Stony Brook, NY

Ectopic Pregnancy in Relation to Previous Induced Abortion 1005

J. R. Daling, PhD, Seattle; W. H. Chow, PhD, Salt Lake City; N. S. Weiss, MD; B. J. Metch, MS; R. Soderstrom, MD, Seattle

TOPICS IN RADIOLOGY

Doxycycline-Induced Esophagitis 1009
 M. A. Amendola, MD, T. D. Spera, MD, Ann Arbor, Mich

BRIEF REPORT

Acute Gastric Anisakiasis 1012
 K. Sugimachi, MD; K. Inokuchi, MD; T. Ooiwa, MD;
 T. Fujino, MD; Y. Ishii, MD, Fukuoka, Japan

CASE REPORT

Delayed Laceration of Ulnar Nerve Following Hand Trauma 1014
 E. V. Craig, MD, Minneapolis

CLINICAL INVESTIGATION

Pharmacologic Suppression of the Fetal Adrenal Gland In Utero 1015
 M. I. Evans, MD; G. P. Chrousos, MD; D. W. Mann, MD, Bethesda, Md;
 J. W. Larsen, Jr, MD, Washington, DC; I. Green, MD; J. McCluskey, MB, BS;
 D. L. Loriaux, MD, PhD; J. C. Fletcher, PhD, Bethesda, Md; G. Koons, MD, Fairfax, Va;
 J. Overpeck, PhD, Washington, DC; J. D. Schulman, MD, Fairfax, Va

TOWARD OPTIMAL LABORATORY USE

Improved Detection of Early Iron Deficiency in Nonanemic Subjects 1021
 S. McClure, MD, PhD; E. Custer, PhD; J. D. Bessman, MD, Galveston, Tex

EDITORIALS

Anisakiasis From the American Perspective 1024
 R. E. Fontaine, MD, Atlanta

**Manpower Issues for a Surgical Specialty:
 The Impact of Oversupply** 1025
 B. J. Bailey, MD, Galveston, Tex

QUESTIONS AND ANSWERS 1033

Can Severe Spinal Nerve Injury Be Repaired? T. M. Sundt, Jr, MD, Rochester, Minn,
 E. Tarlov, MD, Burlington, Mass . . . **Head Trauma, Computed Tomographic Scans,
 and Contrast Materials** M. M. Mishkin, MD, Philadelphia . . . **Risk of Seizure
 Recurrence in Elderly Man** R. G. Fariello, MD, Philadelphia . . . **Candida albicans and
 Depression? No Scientific Evidence of Relationship** W. P. Coleman III, MD, New
 Orleans . . . **An Extra Lumbar Rib: Eve's Revenge?** I. M. Siegel, MD, Chicago

BOOKS 1041

Dandy of Johns Hopkins (Fox) Reviewed by O. Sugar, PhD, MD, Chicago . . . **Abortion
 Practice (Hern)** Reviewed by G. M. Ditmanson, MD, St Paul . . . **Women Under the Knife
 (Keyser)** Reviewed by A. S. Tulskey, MD, Chicago . . . **Vitamin Politics (Fried)** **Vitamins
 and Minerals (Marshall)** Reviewed by V. Herbert, MD, JD, Philadelphia . . . **Clinical
 Gastroenterology (Farmer, Achkar, Fleshier, eds)** Reviewed by R. A. Levine, MD,
 Syracuse, NY . . . **Cardiovascular Disease (Hampton, ed)** Reviewed by R. J. Henning,
 MD, Cleveland . . . **Computed Tomography of the Body (Moss, Gamsu, Genant)**
 Reviewed by R. D. Harris, MD, Danville, Pa . . . **Stroke and the Extracranial Vessels
 (Smith et al, eds)** Reviewed by L. R. Caplan, MD, Chicago . . . **Vascular Surgery
 (Rutherford et al, eds)** Reviewed by D. E. Strandness, Jr, MD, Seattle . . . **Books
 Received**

OBITUARIES 1055

CLASSIFIED ADVERTISING 1067

CME Corner 1079

INDEX TO ADVERTISERS 1079

CORRECTIONS 981

Letter: Gastroparesis With Multiple Sclerosis
 N. Shah, MD, Y. K. Gupta, MD, Albany, NY

**Letter: Precipitation of Hyperosmolar Nonketotic Diabetes on
 Alternate-Day Corticosteroid Therapy**
 K. M. Lohr, MD, Milwaukee

AMA Officers

President: Joseph F. Boyle, MD*; **President-Elect:** Harrison L. Rogers, Jr, MD*; **Immediate Past President:**
 Frank J. Jirka, MD; **Secretary-Treasurer:** Hubert A. Ritter, MD*; **Speaker, House of Delegates:** James E. Davis,
 MD; **Vice-Speaker, House of Delegates:** John L. Clowe, MD

AMA Trustees

Rufus K. Broadaway, MD; Alice A. Chenault; George L. Collins, Jr, MD; John J. Coury, Jr, MD* (Chairman); Ronald M.
 Davis, MD; John H. Dawson, MD; F. William Dowda, MD; William S. Hotchkiss, MD* (Vice-Chairman); Robert E.
 McAfee, MD; Alan R. Nelson, MD*; Joseph T. Painter, MD; John J. Ring, MD; Hubert A. Ritter, MD*; James S. Todd,
 MD*

*Executive Committee

EDITORIAL BOARD

Kenneth A. Arndt, MD
 Boston

Byron J. Bailey, MD
 Galveston, Tex

Arthur E. Baue, MD
 New Haven, Conn

Donald J. Dalessio, MD
 La Jolla, Calif

Cecilia M. Fenoglio, MD
 Albuquerque

William H. Foege, MD
 Atlanta

Renee C. Fox, PhD
 Philadelphia

Daniel X. Freedman, MD
 Los Angeles

Vincent A. Fulginiti, MD
 Tucson

Morton F. Goldberg, MD
 Chicago

Marilyn Heins, MD
 Tucson

Edward C. Hill, MD
 San Francisco

James F. Holland, MD
 New York

King K. Holmes, MD, PhD
 Seattle

Harold G. Jacobson, MD
 Bronx, NY

Robert J. Joynt, MD
 Rochester, NY

Carol Kasper, MD
 Los Angeles

Richard L. Landau, MD
 Chicago

Daniel J. McCarty, MD
 Milwaukee

William W. McLendon, MD
 Chapel Hill, NC

Arno G. Motulsky, MD
 Seattle

Robert E. Rakel, MD
 Iowa City

Domeena C. Renshaw, MD
 Chicago

Alfred Soffer, MD
 Park Ridge, Ill

Robert M. Veatch, PhD
 Washington, DC

Executive Vice-President: James H. Sammons, MD
**Deputy Executive Vice-President, Corporate,
 Publishing and Management Services:** Richard A.
 Noffke

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

Vice-President, Publishing: John T. Baker

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

**General Sales Manager; Director, Advertising Sales
 and Promotion Services Division:** D. Joseph Dennehy
Director, Circulation-Fulfillment Division: Lee A.
 Parent

Director, Promotion and Western Sales: Thomas J.
 Carroll

Director, Advertising Services: Raymond Christian

ADVERTISING OFFICES: Eastern: 600 Third Ave,
 Suite 700, New York, NY 10016 (**Manager:** Robert C.
 Corcoran [212-867-6640]; **Representatives:** Bill Tice,
 Cliff Vanderhoof); Midwest/Farwest: 535 N Dearborn
 St, Chicago, Ill 60610 (**Manager:** Thomas J. Carroll
 [312-280-7182]; **Representative:** Daniel T. Mjolsness);
Classified Advertising: Delores Boudentt (312-280-
 7190)

ADVERTISING PRINCIPLES—Advertisements in this
 issue have been reviewed to comply with the principles
 governing advertising in AMA 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.