

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
Associate Editor: Roxanne K. Young
Assistant Editors: Charlene Breedlove, Elizabeth Knoll, Hilda L. Slive
Manager: Martha Carney
Production Manager: Marlene M. Hinsch
Assistant Production Manager: John R. Sayban
Editorial Processing Manager: Cheryl Iverson
Assistant Editorial Processing Manager: Paula Glitman
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: Vickey Golden (Free-lance Coordinator), Toni Brandeis, 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, 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, Mary Planek, Janice Techter, Sandra Williams
Cover Editor: M. Therese Southgate, MD
Administrative Secretary: Cassandra Johnson
Editorial Assistants: Mary Cannon, Roberta Larson, Mary Ann Lilly, Rosemary Navarro, Annette Nunnally, 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

Grant Wood, Woman With Plants 2612
M. T. Southgate, MD, Chicago

MEDICAL NEWS 2617

Another Artificial Heart Receives FDA Approval for Clinical Trials . . . Looking Ahead: Electrical Motor-Driven Artificial Heart . . . Improvements Predicted in Artificial Heart by 1990 . . . Miscellanea Medica

LEADS FROM THE MMWR 2630

INSTRUCTIONS FOR AUTHORS April 26, 1985, p 2349

LETTERS 2643

The Final Epidemic: Nuclear and Population Explosions N. Ende, MD, Newark, NJ . . .
Occupational Exposure to Heat or Noise and Reduced Fertility D. D. Baird, PhD, Research Triangle Park, NC, M. B. Bond, MD, Golden, Colo . . .
Complications of Insulin Infusion Pump Therapy J. J. Bending, BSc, MRCP, J. C. Pickup, BM, PhD, London, R. S. Mecklenburg, MD, E. A. Benson, MD, J. W. Benson, Jr, MD, P. N. Fredlund, MD, T. Guinn, RN, R. J. Metz, MD, R. L. Nielsen, MD, C. A. Sannar, CRN, Seattle . . .
That Boorish, Insensitive, Loudmouthed, Crass Physician in the Elevator G. W. Small, MD, Los Angeles . . .
Sudden, Unexpected Nocturnal Deaths in Washington L. J. Paulozzi, MD, MPH, Atlanta, R. Munger, MPH, PhD, Seattle . . .
Unexplained Elevation of Serum Alkaline Phosphatase Levels R. Dodds, MD, Temple, Tex, P. G. Steiner, MD, L. J. Steiner, MD, New York . . .
Atrioventricular Conduction Block Caused by Phenylpropranolamine O. F. Woo, PharmD, N. L. Benowitz, MD, F. W. Bialy, MD, J. W. Wengert, MD, San Francisco . . .
Haemophilus influenzae Type b in Day Care Centers M. T. Osterholm, PhD, MPH, Minneapolis, J. N. Kuritsky, MD, Rockville, Md, T. V. Murphy, MD, Dallas, W. C. Mead, Rochester, NY, M. E. Pichichero, MD, S. R. Redmond, MD, Monroe County, NY

REFERENCE DIRECTORIES

Organizations of Medical Interest 2651
US Meetings, May 3; Foreign Meetings, April 12; State Associations and Exams and Licensure, April 19; AMA Officials, April 5

A PIECE OF MY MIND

Ciné or Vérité? 2673
M. S. Langley, MD, Charlottesville, Va

ORIGINAL CONTRIBUTIONS

Babesiosis in Wisconsin 2675
R. W. Steketee, MD, MPH, Atlanta; M. R. Eckman, MD, Duluth, Minn;
E. C. Burgess, DVM, PhD, Madison, Wis; J. N. Kuritsky, MD, Minneapolis;
J. Dickerson, Atlanta; W. L. Schell, MS; M. S. Godsey, Jr; J. P. Davis, MD, Madison, Wis

Liver Disease in α_1 -Antitrypsin Deficiency 2679
J. N. Udall, Jr, MD, PhD; M. Dixon, MD; A. P. Newman, BA;
J. A. Wright, MD; B. James, MD; K. J. Bloch, MD, Boston

Hospice Effectiveness in Controlling Pain 2683
R. L. Kane, MD; L. Berstein, PhD; J. Wales, PhD; R. Rothenberg, MPH, Los Angeles

SPECIAL COMMUNICATIONS

Hospital Ethics Committees 2687
N. Fost, MD, MPH, Madison, Wis, R. E. Cranford, MD, Minneapolis

Hospital Medical Ethics Committees: A Review of Their Development 2693
F. Rosner, MD, Jamaica, NY

CONTENTS—Continued

COUNCIL REPORT

Guidelines for Ethics Committees in Health Care Institutions 2698
 Judicial Council, Chicago

CONSENSUS CONFERENCE

Travelers' Diarrhea 2700

CONCEPTS IN EMERGENCY AND CRITICAL CARE

Penetrating Abdominal Wounds 2705
 E. E. Moore, MD, J. A. Marx, MD, Denver

EDITORIAL

Medicine—Trade or Profession? 2709
 L. S. King, MD, Chicago

PRACTITIONERS

A 60s Doctor Enters the 80s 2714
 An Interview With George Flesch, MD

INTERNATIONAL ABSTRACTS 2722

QUESTIONS AND ANSWERS 2732
 Diagnostic and Therapeutic Technology Assessment (DATTA) (Endoscopic Management of Gastrointestinal Tract Hemorrhage) . . . Frey's Syndrome K. Sato, MD, Iowa City

PHOTO/ESSAY

Somatostatin Receptors 2741
 R. Maurer, PhD, J.-C. Reubi, MD, Basel, Switzerland

BOOKS 2757

The Nature and Nurture of Twins (Bryan) Reviewed by S. R. O'Neil, MD, Houston . . . **Synopsis of Pediatrics** (Hughes, Griffith, eds) Reviewed by H. A. Carithers, MD, Jacksonville, Fla . . . **Manual of Vascular Access, Organ Donation, and Transplantation** (Simmons et al, eds) Reviewed by R. E. McCabe, MD, New York . . . **Handbook of Nautical Medicine** (Goethe, Watson, Jones, eds) Reviewed by W. R. Barclay, MD, Chicago . . . **Biology, Crime and Ethics** (Marsh, Katz, eds) Reviewed by T. B. Karasu, MD, New York . . . **Mutations in Man** (Obe, ed) Reviewed by J. L. Simpson, MD, Chicago . . . **Proper Doctoring** (Mendel) Reviewed by T. H. Lewis, MD, Billings, Mont . . . **Geriatric Medicine** (Cassel, Walsh, eds) Reviewed by T. R. Reiff, MD, Boston . . . **Books Received**

OBITUARIES 2773

CLASSIFIED ADVERTISING 2781

CME Corner 2792

INDEX TO ADVERTISERS 2792

CORRECTIONS 2648

Early Detection of Breast Cancer
 Council on Scientific Affairs, Chicago

Questions and Answers: Diagnostic and Therapeutic Technology Assessment (DATTA) (Noninvasive Extracorporeal Lithotripsy)

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*
 * 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
Senior Deputy Executive Vice-President: James S. Todd, MD
Deputy Executive Vice-President, Corporate, Publishing and Management Services: Richard A. Norfolk
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, IL 60610 (Manager: Thomas J. Carroll [312-280-7182]; Representative: Daniel T. Mjolsness); Classified Advertising: Dolores 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.