

The ARCHIVES OF GENERAL PSYCHIATRY is a member of the consortium of AMA journals listed below. The complete text of all AMA journals is available online from Dialog Information Services and Information Access Company.

The Journal of the American Medical Association (JAMA)

- Archives of Dermatology
- Archives of Family Medicine
- 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 Pediatrics & Adolescent Medicine
- Archives of Surgery

The ARCHIVES OF GENERAL PSYCHIATRY (ISSN 0003-990x) is published monthly by the American Medical Association, 515 N State St, Chicago, IL 60610, and is an official publication of the Association. The ARCHIVES OF GENERAL PSYCHIATRY reaches more than 27 700 readers in over 79 countries each month. Periodicals postage rates paid at Chicago, IL and at additional mailing offices. GST registration number: 12622 5556 RT. Canada Post International Publications Mail (Canadian Distribution) Sales Agreement No. 318633.

Printed in the USA.

SUBSCRIPTION RATES—The personal subscription rates for the ARCHIVES OF GENERAL PSYCHIATRY are \$145 for 1 year (12 issues) in the United States and US possessions; \$195 in the Americas; £125 outside the Americas. The institution rates for 1 year are \$245 in the United States; \$345 in the Americas; £195 outside the Americas. Special rates for residents and medical students are available. Address all subscription communications to: Subscriber Services Center, American Medical Association, PO Box 10946, Chicago, IL 60610-0946. Phone: (800) 262-2350. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. For mailing addresses outside the United States and US possessions, see International Subscription Information.

CHANGE OF ADDRESS—POSTMASTER, send all address changes to ARCHIVES OF GENERAL PSYCHIATRY, c/o Subscriber Services, American Medical Association, 515 N State St, Chicago, IL 60610. Please notify us of address change at least 6 weeks in advance to ensure uninterrupted service. Include both old and new addresses, a recent mailing label, and new ZIP code. For mailing addresses outside the United States and US possessions, see International Subscription Information.

SUBSCRIBER SERVICES—For information about subscribing to any of the AMA publications, change of address, missing issues, or purchasing back issues, please contact Subscriber Services Center, American Medical Association, PO Box 10946, Chicago, IL 60610-0946, or call (800) 262-2350 or (312) 670-SUBS (670-7827) between 8:30 AM and 4:30 PM CST. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. For mailing addresses outside the United States and US possessions, see International Subscription Information.

INTERNATIONAL SUBSCRIPTION INFORMATION—Subscriptions outside the United States and US possessions are served according to geographic region. Please address correspondence to the following 2 offices based on delivery address: (1) For delivery in North America, Central America, and South America, contact Subscriber Services, AMA, PO Box 10946, Chicago, IL 60610-0946. Phone: (312) 670-7827. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. (2) For delivery outside the Americas, contact JAMA & Archives Journals, Reader Services Centre, PO Box 299, London WC1H 9TD, England. Phone: +44 (0)171-383-6270. Fax: +44 (0)171-383-6402. E-mail: jama-archives@dial.pipex.com.

REPRINTS—Authors place their reprint order at the time the edited typescript is reviewed and should allow 4 to 6 weeks for delivery following publication. Requests for individual reprints should be sent directly to the author at the address shown in the article.

For bulk reprint orders for distribution by commercial organizations, please contact Wanda Bartolotta, 500 Fifth Ave, #2210, New York, NY 10110. Phone: (212) 354-0050. Fax: (212) 354-1169. E-mail: wanda_bartolotta@ama-assn.org. For reprint orders in limited quantities for distribution by educational organizations and for author reprints, please contact Joseph R. Reakash, 515 N State St, Chicago, IL 60610. Phone: (312) 464-4594. Fax: (312) 464-4849.

WORLD WIDE WEB ADDRESS—<http://www.ama-assn.org>.

GENERAL PSYCHIATRY HOME PAGE—<http://www.ama-assn.org/psych>.

PERMISSIONS—Contact Ada Jimenez-Walker, Permissions Assistant, 515 N State St, Chicago, IL 60610. Phone: (312) 464-2513.

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.

Publication Staff
Offices: 515 N State St
Chicago, IL 60610

Editorial Processing Department, Archives Journals

Director: Paula Glitman
Manager: Vickey Golden
Freelance Manager: Diane L. Cannon
Freelance Coordinator: Connie Manno

Electronic Editing Specialist: Paul Frank

Assistant Electronic Editing Specialist: Monica Mungle

Senior Copy Editor: Brenda Gregoline

Copy Editor: Michelle Kurzynski

Editorial Assistant: Celina Canchola

Scientific Information and Multimedia Group

Administrative Assistant: Helga Fritz

New Media Editorial Office

Editorial Director, New Media: William M. Silberg

Associate Editor: Marty Suter

Assistant Editors: Deborah Flapan
Neil Shankman

Staff Assistant: Marla A. Hall

Production & Distribution Division

Manager, Budgets & Costs: Bonnie Van Cleven

Publishing Manufacturing Analyst: Diane Darnell

Office Manager: Karen Branham

Senior Secretary: Shannon Epplett

Advertising & Production Department

Director: Karen Adams-Taylor

Production Specialist: Terri Hanley

Manager, Advertising Services: Carole Piszker

Manager, Production Services: Susan Price

Production Associates: Debbie Camp
Betty Frigerio
Mari Guizzetti
Sarah Powell
Jo Anne Turner
Carmela Ware

Production Assistant: Bryan Irzyk

Distribution

Distribution Manager: Paul Gasielki

Senior Traffic Control Specialist: Michael McGraw

Traffic Control Specialist: Victoria Buckner

Electronic Production Department

Director: Linda Knott

Manager, Composition: Phil Arko

Electronic Production Operators: Brenda Chandler
Mary Ann Kuranda
Amy Evers
Sandra Lopez

Manager, Graphics: Charl Richey

Graphics Operators: Joe Amft
JoAnne Weiskopf
Alicja Wojcik-Dunn

Manager, Proofreading: Teresa H. Omietek

Proofreaders: David Antos
Daniel James
Mary Kay Tinerella
Barbara Wojtowicz

Production Assistant: Ruth Sprague

Manager, Database & New Media: Mary Ellen Johnston

Indexer: Kathy Gaydar

Database Assistants: Gail Barrett
La'son J. Diggs
Melanie Parenti

Specialty Journal Division Office

Assistant to the Publisher: Christine Hearne

Circulation & Content Marketing Division

Administrative Assistant: Millette Jackson-Bates

Circulation Processing Department

Director: Beverly Martin

Circulation Development Department

Director: Bina Oza

Licensing & Permissions Department

Director: Norman Frankel

Permissions: Ada Jimenez-Walker

International Coordinator: Sharon Ali

Reprints

Reprint Coordinator: Joseph Reakash



ARCHIVES

OF

GENERAL PSYCHIATRY

www.ama-assn.org/psych

VOL 55 NO. 9, SEPTEMBER 1998

ORIGINAL ARTICLE

- Lifetime Prevalence of DSM-III-R Psychiatric Disorders Among Urban and Rural Mexican Americans in California** 771
William A. Vega, PhD;
Bohdan Kolody, PhD;
Sergio Aguilar-Gaxiola, MD, PhD;
Ethel Alderete, DrPH;
Ralph Catalano, PhD;
Jorge Caraveo-Anduaga, MD

COMMENTARY

- Immigration and Mental Health: Why Are Immigrants Better Off?** 781
Javier I. Escobar, MD

NEWS AND VIEWS

- Changing Patterns of Psychiatric Inpatient Care in the United States, 1988-1994** 785
David Mechanic, PhD;
Donna D. McAlpine, MA;
Mark Olfson, MD, MPH

ORIGINAL ARTICLES

- Brain Dopamine Transporter Messenger RNA and Binding Sites in Cocaine Users: A Postmortem Study** 793
Karley Y. Little, MD; Daniel P. McLaughlin, PhD;
Lian Zhang, PhD; Patrick R. McFinton, BS;
Gregory W. Dalack, MD; Edwin H. Cook, Jr, MD;
Bader J. Cassin, MD; Stanley J. Watson, MD, PhD
- Lifetime Panic-Depression Comorbidity in the National Comorbidity Survey** 801
Ronald C. Kessler, PhD; Paul E. Stang, PhD;
Hans-Ulrich Wittchen, PhD; T. Bedirhan Ustun, MD;
Peter P. Roy-Burne, MD; Ellen E. Walters, MS
- The Relationships Between Age, Sex, and the Incidence of Dementia and Alzheimer Disease: A Meta-analysis** 809
Sujuan Gao, PhD; Hugh C. Hendrie, MB, ChB;
Kathleen S. Hall, PhD; Siu Hui, PhD
- Prevention of Recurrent Depression With Cognitive Behavioral Therapy: Preliminary Findings** 816
Giovanni A. Fava, MD; Chiara Rafanelli, MD;
Silvana Grandi, MD; Sandra Conti, MD;
Piera Belluardo, PhD

American Medical Association

Physicians dedicated to the health of America



Copyright 1998 by the American Medical Association. All rights reserved. Reproduction without permission is prohibited.

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

E. Ratcliffe Anderson, Jr, MD
Executive Vice President,
Chief Executive Officer

Lynn Jensen, PhD
Chief Operating Officer

George D. Lundberg, MD
Editor in Chief, Scientific
Information and Multimedia

Robert L. Kennett
Interim Senior Vice President,
Publishing & Business Services

Peter L. Payerli
Publisher

Vanessa Hayden
Director, Production &
Distribution Division

Cheryl Iverson
Director, Editorial Processing
Division

James A. Skowrenski
Director, Circulation &
Content Marketing Division

Geoffrey A. Flick
Manager, Marketing Services

Advertising Office: J. P. Cahill &
Associates, 341 S Waiola Ave, La
Grange, IL 60525 (708) 352-0322.
AMA Classified Advertising Department: Thalia Moss, 800-262-2260.

Distinct Contributions of Conduct and Oppositional Defiant Symptoms to Adult Antisocial Behavior: Evidence From an Adoption Study

Douglas R. Langbehn, MD, PhD;
Remi J. Cadoret, MD;
William R. Yates, MD;
Edward P. Troughton, BA;
Mark A. Stewart, MD

Smooth Pursuit Eye Movements to Extraretinal Motion Signals: Deficits in Relatives of Patients With Schizophrenia

Gunvant K. Thaker, MD;
David E. Ross, MD;
Shawn L. Cassady, MD;
Helene M. Adami, MSW;
David LaPorte, PhD;
Deborah R. Medoff, PhD;
Adrienne Lahti, MD

Antisaccades and Smooth Pursuit Eye Tracking and Schizotypy

Gillian A. O'Driscoll, PhD;
Mark F. Lenzenweger, PhD;
Philip S. Holzman, PhD

821

830

837

LETTERS TO THE EDITOR

Distinguishing Apathy Syndromes From Vascular Depression 844

Calvin S. L. Fones, MBBS, MMed(Psych)

In Reply 844

George S. Alexopoulos, MD

Does Clozapine Treatment Cause Brain Disease? 845

Peter R. Breggin, MD

REGULAR DEPARTMENTS

This Month in Archives of General Psychiatry 770

Classified Advertising 846

Index to Advertisers 848

Instructions for Authors—
See June 1997 issue, page 581, or visit the
Web site at <http://www.ama-assn.org/psych>.

ARCHIVES
OF
GENERAL PSYCHIATRY

Editor:

Jack D. Barchas, MD
Department of Psychiatry
Cornell Medical Center
525 E 68th St, Box 171
New York, NY 10021
Phone: (212) 746-3771
Fax: (212) 746-3772

Associate Editor:

Peter M. Marzuk, MD
New York, NY

Web Site Editor:

Francis S. Lee, MD, PhD
New York, NY

Editorial Administrator:

Sheena Rumnit
New York, NY

Editorial Board:

Huda Akil, PhD
Ann Arbor, Mich
Ross J. Baldessarini, MD
Belmont, Mass
Malcolm B. Bowers, Jr, MD
New Haven, Conn
David L. Braff, MD
San Diego, Calif
William T. Carpenter, Jr, MD
Baltimore, Md
C. Robert Cloninger, MD
St Louis, Mo
Joseph T. Coyle, MD
Boston, Mass
Glen R. Elliott, PhD, MD
San Francisco, Calif
Ellen Frank, PhD
Pittsburgh, Pa

Richard M. Glass, MD
Chicago, Ill

Frederick K. Goodwin, MD
Bethesda, Md

Fritz A. Henn, PhD, MD
Mannheim, Germany

Steven E. Hyman, MD
Bethesda, Md

Kenneth S. Kendler, MD
Richmond, Va

Donald F. Klein, MD
New York, NY

Helena Chmura Kraemer, PhD
Stanford, Calif

David J. Kupfer, MD
Pittsburgh, Pa

Eric J. Nestler, MD, PhD
New Haven, Conn

Grayson S. Norquist, MD
Bethesda, Md

Charles P. O'Brien, MD, PhD
Philadelphia, Pa

William Z. Potter, MD, PhD
Indianapolis, Ind

Judith L. Rapoport, MD
Bethesda, Md

Alan F. Schatzberg, MD
Stanford, Calif

Gary L. Tischler, MD
New York, NY

Stanley J. Watson, Jr, PhD, MD
Ann Arbor, Mich

Myrna M. Weissman, PhD
New York, NY

Kenneth B. Wells, MD, MPH
Los Angeles, Calif