

Copyright © 1985 by the AMERICAN MEDICAL ASSOCIATION

Continuing the Publication
Founded by Herman Knapp, 1869

The objectives and goals of the *Archives of Ophthalmology* are education: To inform its readers of progress, problems, and pertinent research in the practice of ophthalmology through the publication of original contributions and observations.

EDITORIAL BOARD

Morton F. Goldberg, MD, Editor
Joel Sugar, MD, Associate Editor

Cinda Gislason, BA, Administrative Assistant
Archives Office: University of Illinois, Eye and Ear
Infirmary, 1855 W Taylor St, Chicago, IL 60612.
Phone: (312) 996-2327

Daniel M. Albert, MD, Boston
Book Reviews

Jorge A. Alvarado, MD, San Francisco
Richard L. Anderson, MD, Salt Lake City

Perry S. Binder, MD, La Jolla, Calif

Richard F. Brubaker, MD, Rochester, Minn

John W. Chandler, MD, Seattle

Stuart L. Fine, MD, Baltimore

H. Mackenzie Freeman, MD, Boston

J. Donald M. Gass, MD, Miami

Joel S. Glaser, MD, Miami

W. Richard Green, MD, Baltimore
Clinicopathologic Reports

Creig S. Hoyt, MD, San Francisco

Lee M. Jampol, MD, Chicago

Robert D. Reinecke, MD, Philadelphia

Melvin L. Rubin, MD, Gainesville, Fla

Daniel Seigel, ScD, Bethesda, Md

Walter J. Stark, MD, Baltimore

SUBSCRIPTION RATES—The subscription rates for the ARCHIVES OF OPHTHALMOLOGY are as follows: for members of the AMA, \$1.50 included in the annual membership dues; for nonmembers, \$38 for one year, \$68 for two years in the United States and US possessions; all other countries, one year, \$48; two years, \$88 (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, \$19; two years, \$34. 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.

THE ARCHIVES OF OPHTHALMOLOGY (ISSN 0003-9950) is published monthly by the American Medical Association and is an official publication of the Association. Second-class postage paid at Chicago, Illinois, and at additional mailing office.

INSTRUCTIONS FOR AUTHORS 315

CORRESPONDENCE 322

Retrolbulbar Anesthesia in Strabismus Surgery Thomas A. Deutsch, MD; Sandy T. Feldman, MD; Jonathan B. Rubenstein, MD; Kenneth E. Talbert, MD, Chicago; Michael X. Repka, MD, David L. Guyton, MD, Baltimore; Leonard B. Nelson, MD; Joseph H. Calhoun, MD; Robison D. Harley, MD, Philadelphia . . . **Central Serous Retinopathy, the Farnsworth-Munsell 100-Hue Test, and Protractin** James R. Coppeto, MD, Farmington, Conn; Dennis P. Han, MD; James C. Folk, MD; H. Stanley Thompson, MD, Iowa City . . . **Corning, Cocaine, and Local Anesthesia** Philip B. Gorelick, MD, Donna Zych, PhD, Chicago . . . **Central Retinal Artery Occlusion Following YAG Synchialysis** Ralph Paylor, MD, Chicago . . . **An Improved Negative-Lens Field Expander for Patients With Concentric Field Constriction** Jan M. D. Kozlowski, MD, Alex E. Jalkh, MD, Boston

NEWS AND COMMENT 328

BOOK REVIEWS 329

Eyes: Their Problems and Treatments (Glasspool) Reviewed by Daniel M. Albert, MD, Boston . . . **Corneal Disorders: Clinical Diagnosis and Management** (Leibowitz, ed) Reviewed by Kenneth R. Kenyon, MD, Boston . . . **Key Facts in Ophthalmology** (Weinstein, Raju, Schwab, et al) Reviewed by Daniel M. Albert, MD, Boston . . . **The Impact of Randomized Clinical Trials on Health Policy and Medical Practice** (Congress of the United States, Office of Technology Assessment) Reviewed by Israel A. Goldberg, PhD, Bethesda, Md

EDITORIALS

Some Cons of PROs

David B. Palmer, Esq, Washington, DC 343

Ophthalmology in Service to the Public

George W. Weinstein, MD, Morgantown, WVa 345

EXPEDITED PUBLICATION

Botulinum A Toxin Injection as a Treatment for Blepharospasm

Alan B. Scott, MD, San Francisco;
Ross A. Kennedy, MD, Vancouver, British Columbia;
Harrison A. Stubbs, PhD, San Francisco 347

CLINICAL SCIENCES

Intraoperative Adjustment of Eye Muscle Surgery

Paul Romano, MD, Larry Gabriel, MD, Gainesville, Fla 351

Margin Limbal Distance to Determine Amount of Levator Resection

Beverly L. Sarver, MD, Allen M. Putterman, MD, Chicago 354

The Use of a Periosteal Strip for Eyelid Reconstruction

Gary S. Weinstein, MD; Richard L. Anderson, MD; David T. Tse, MD;
Robert C. Kersten, MD, Salt Lake City 357

Acute Angle-Closure Glaucoma Associated With Surgical Anesthesia

Doreen T. Fazio, MD; J. Bronwyn Bateman, MD;
Robert E. Christensen, MD, Los Angeles 360

Primary Angle Closure Glaucoma in a Myopic Kinship

John C. Hagan III, MD, Charles M. Lederer, Jr, MD, Kansas City, Mo 363

Autosomal Dominant Retinitis Pigmentosa

Gerald A. Fishman, MD; Kenneth R. Alexander, PhD;
Robert J. Anderson, PhD, Chicago 366

Levobunolol

Richard E. Bensinger, MD, Seattle; Edwin U. Keates, MD, Philadelphia;
John D. Gofman, MD, Seattle; Gary D. Novack, PhD;
Efraim Duzman, MD, Irvine, Calif 375

Levobunolol Compared With Timolol for the Long-term Control of Elevated Intraocular Pressure

Frank G. Berson, MD, Boston; Howard B. Cohen, MD, San Francisco;
Robert J. Foerster, MD, Colorado Springs, Colo; Jonathan H. Lass, MD, Cleveland;
Gary D. Novack, PhD, Efraim Duzman, MD, Irvine, Calif 379

Intrapapillary Refractile Bodies in Optic Nerve Sheath Meningioma

Patrick A. Sibony, MD, Stony Brook, NY; John S. Kennerdell, MD,
Thomas L. Slamovits, MD, Pittsburgh; Simmons Lessell, MD, Boston;
Howard R. Krauss, MD, Los Angeles 383

Contents continued on page 312

Medical Management of Self-Enucleation
Jemshed A. Khan, MD; Lucinda Buescher; Carl H. Ide, MD;
Ben Pettigrove, MD, Columbia, Mo 386

Analysis of Corneal Thickness and Endothelial Cell Density in Pseudophakic and Aphakic Patients Undergoing Penetrating Keratoplasty
Michael S. Inslar, MD; H. Douglas Cooper;
Delmar R. Caldwell, MD, New Orleans 390

Differentiation Between Recently Resolved Optic Neuritis and Central Serous Retinopathy
Dennis P. Han, MD; H. Stanley Thompson, MD;
James C. Folk, Iowa City 394

A Comparison of Peritest Automated Perimetry and Goldmann Perimetry
Mary L. Hotchkiss, MD; Alan L. Robin, MD; Harry A. Quigley, MD;
Irvin P. Pollack, MD, Baltimore 397

CLINICOPATHOLOGIC REPORTS

Intraocular Extension of Optic Nerve Meningioma in a Case of Neurofibromatosis
Gerhard W. Cibis, MD; Charles K. Whittaker, MD;
William E. Wood, MD, Kansas City, Mo 404

Spondyloepiphyseal Dysplasia Congenita
Timothy G. Murray; W. Richard Green, MD; Irene H. Maumenee, MD;
Stephen E. Kopits, MD, Baltimore 407

LABORATORY SCIENCES

Effect of Nitrous Oxide on Gas Bubble Volume in the Anterior Chamber
Gerald L. Wolf, MD; Christine Capuano; John Hartung, PhD, Brooklyn, NY 418

Role of Lensectomy and Posterior Capsule in Movement of Tracers From Vitreous to Aqueous
John T. Thompson, MD, Bert M. Glaser, MD, Baltimore 420

The Honan Intraocular Pressure Reducer
Peter J. McDonnell, MD; Harry A. Quigley, MD; A. Edward Maumenee, MD;
Walter J. Stark, MD; Grover M. Hutchins, MD, Baltimore 422

Cefsulodin Levels in the Human Aqueous Humor
Ethan Rubinstein, MD; Isaac Avni, MD; Henry Tuizer, MD; Giora Treister, MD;
Michael Blumenthal, MD, Tel-Hashomer, Israel 426

Simulated Treatment of Recurrent Choroidal Neovascularization in Primate Retina
William E. Smiddy, MD; Stuart L. Fine, MD; Harry A. Quigley, MD;
Rebecca M. Hohman; Greg Dunkelberger, MS, Baltimore 428

Cryotherapy Enhances Intravitreal Dispersion of Viable Retinal Pigment Epithelial Cells
Peter A. Campochiaro, MD; Ian H. Kaden; Jesus Vidaurri-Leal, MD;
Bert M. Glaser, MD, Baltimore 434

Corneal Endothelium Following Immersion of Eyes in Water
David S. Hull, MD; Keith Green, PhD, DSc;
Deborah Hampstead, Augusta, Ga 437

SURGICAL TECHNIQUES

CO₂ Laser Excision of Xanthelasma Lesions
Geoffrey J. Gladstone, MD; Hugh Beckman, MD;
Lawrence M. Elson, Detroit 440

Argon Laser Choroidotomy for Drainage of Subretinal Fluid
Jerald A. Bovino, MD; Daniel F. Marcus, MD;
Philip T. Nelsen, MD, Toledo 443

CONTINUING MEDICAL EDUCATION 449

INDEX TO ADVERTISERS 460

James H. Sammons, MD, 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, Assistant 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
Copy Editing: Juliann Lundell (Supervisor), Deborah Thorp (Free-lance Coordinator), E. Sonya Baran, Vickey Golden, Patricia A. Predey, Helen Valenta
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, Susan Price, Zack Price, Janice Techter, Sandra Williams, Ellen Yoshihara
Production Assistant: Darlene E. Filips
Manuscript Records: Toni Pearson
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: John L. Reeves; Midwest/Farwest: 535 N Dearborn St, Chicago, IL 60610 (Manager: Thomas J. Carroll [312-280-7182]); Representatives: John P. Cahill, Midwest; Kenneth H. Jones, 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.