# Table of Contents

**The American Ophthalmological Society 2007**

- **Officers and Council** vi
- **Presidents of the Society** vii
- **Recipients of the Lucien Howe Medal** x
- **Frederick H. Verhoeff Lecturers** xii
- **Members** xiii

## Necrology

**In Memorium** 1

## Minutes of the Proceedings

**Introduction** 10

**Papers: Monday, May 21** 10

**Executive Session** 10
- Report of the Secretary-Treasurer 10
- Report of the Committee on Theses 10
- Report of the Editor 11
- Report of the Program Committee 11
- Report of the Membership Committee 12
- Report of the Archivist/Photographer 12
- Report of the Committee on Emeriti 13
- Report of the Representative to the Pan-American Association of Ophthalmologists 13
- Report of the Representative to the American College of Surgeons 13
- Report of the Representative to the American Orthoptic Council 14
- Report of the Representative to the Council of the American Academy of Ophthalmology 14
- Report of the Chair of the Council 15
- Report of the President 16

**Papers: Tuesday, May 22** 18

**Banquet** 19
- President's Speech 19
- Report of the Committee on New Members 21
- Report of the Committee on Athletics 22
- Report of the Committee on Prizes – Lucien Howe Medal Presentation 23

**Papers: Wednesday, May 23** 25

**Members in Attendance** 28

## Papers

**An Evaluation of How Glaucoma Patients Use Topical Medications**
Tony Tsai MD, Alan L. Robin MD*, and Judson Smith III MD 29

**Customizing Selection of IOL Asphericity Based on Pre-Existing Corneal HOAs**
Douglas D. Koch MD*, and Li Wang MD PhD 36

**Chromosome 3 Analysis of Uveal Melanoma Using Fine Needle Aspiration Biopsy at the Time of Plaque Radiotherapy in 140 Consecutive Cases**
Carol L. Shields MD*, Arupa Ganguly PhD, Miguel A. Materin MD, Luiz Teixeira MD, and Jerry A. Shields MD 43

**An Alternative Explanation for Observed Mortality Rates Due to Metastasis After Treatment of Choroidal Melanomas of Different Sizes**
James J. Augsburger MD*, Zélia M. Corrêa MD, and Nikolaos Trichopoulos MD 54

**Primary Acquired Melanosis of the Conjunctiva in 311 Eyes**
Jerry A. Shields MD*, Carol L. Shields MD, Arman Mashayekhi MD, Brian P. Marr MD, Raquel Benavides MD, Archana Thangappan BS, Laura Phan BS, and Ralph C. Eagle Jr. MD 61

**Plus Disease in Retinopathy of Prematurity: An Analysis of Diganosic Performance**
Michael F. Chiang MD*, Rony Gelman MS, Lei Jiang BA, M. Elena Martinez-Perez PhD, Yunling E. Du PhD, and John T. Flynn MD 73
AN AGE-BASED METHOD FOR PLANNING SCLEROTOMY PLACEMENT DURING PEDIATRIC VITRECTOMY: A TWELVE YEAR EXPERIENCE
CRAIG A. LEMLEY MD*, AND DENNIS P. HAN MD

HUMAN HtrA1 IN THE EYES WITH AGE-RELATED MACULAR DEGENERATION
CHI-CHAO CHAN MD*, DEFEN SHEN PHD, MIN ZHOU MD, ROBERT I. ROSS BS, W. RICHARD GREEN MD, AND ZINGHSHENG Tuo PhD

QUANTITATIVE EVALUATION OF ANTERIOR SEGMENT PARAMETERS IN THE ERA OF IMAGING
SYRIL DORAIRAJ MD*, JEFFREY M. LIEBMANN MD, AND ROBERT RITCH MD

MACHINE LEARNING CLASSIFIERS ARE ABLE TO DETECT VISUAL FIELD DEFECTS IN EYES OF HIV SUBJECTS
IGOR KOZAK MD,*, PAMELA A. SAMPLE PHD, JIUCANG HAO PHD, WILLIAM R. FREEMAN MD, ROBERT N. WEINREB MD, TE-WON Lee PHD, AND MICHAEL H. GOLDBAUM MD*

CORONAL AND TRANSVERSE PLANE IMAGING OF MACULAR HOLES AND MACULAR PUCKER WITH COMBINED SLO-OCT
JERRY SEBAG MD FRCOPITH*, PRIYA GUPTA MD, PATRICIA GARCIA MD, RICHARD R. ROSEN MD, AND ALFREDO A. SADUN MD PhD

COMPUTER BASED PRIMARY VISUAL CORTEX TRAINING FOR TREATMENT OF LOW MYOPIA AND EARLY PRESBYOPIA
DANIEL S. DURRIE MD* AND PETER SHAW McMinn OD

GIANT CELL ARTERITIS... SUDDENLY
BRIAN R. YOUNGE MD*, CORNELIA M. WYAND MD PhD, AND JORG J. GORONZI MD PhD

ASSOCIATION BETWEEN THYROID-STIMULATING IMMUNOGLOBULIN LEVELS AND OCULAR FINDINGS IN PEDIATRIC PATIENTS WITH GRAVES DISEASE
OLGA ACUNA MD, IOANNA ATHANNASSAKI MD AND EVELYN A. PAYSSE MD*

ACQUIRED OCULAR MOTOR APRAXIA AFTER AORTIC SURGERY
ROBERT D. YEE MD* AND VALERIE A. PRUVIN MD

THE GOAL OF VALUE-BASED MEDICINE ANALYSES: COMPARABILITY. THE CASE FOR NEOVASCULAR MACULAR DEGENERATION
GARY C. BROWN MD MBA*, MELISSA M. BROWN MD, HEIDI C. BROWN MBA, SYLVIA KINDERMANN BA, AND SANJAY SHARMA MD MSC MBA

FUNDUS AUTOFLUORESCENCE OF CHOROIDAL MELANOCYTIC LESIONS AND THE EFFECT OF TREATMENT
KAAN GUNDUZ MD*, JOSE S. PULIDO MD, SOPHIE J. BAKRI MD, LUIS AMSELEM MD, ELISABETH PETIT-FOND BS, AND THOMAS LINK CRA

KERATOCYTE AND SUBBASAL NERVE DENSITY AFTER PENETRATING KERATOPLASTY
SANJAY V. PATEL MD*, JAY C. ERIE MD, JAY W. MCLAREN PhD, AND WILLIAM M. BOURNE MD

IMPROVING THE RISK-BENEFIT RELATIONSHIP AND INFORMED CONSENT FOR PATIENTS TREATED WITH HYDROXYCHLOROQUINE
ALLAN J. FLACH MD PharmD*

THE EFFECT OF INTERNAL LIMITING MEMBRANE REMOVAL AND INDOCYANINE GREEN ON THE SUCCESS OF MACULAR HOLE SURGERY
JOHN T. THOMPSON MD*

CENTRAL CORNEAL OPAFICATION RESULTING FROM RECENT CHEMOTHERAPY IN CORNEAL DONORS
WOODFORD S. VAN METER MD*

HOW EFFECTIVELY DOES MEDICAL CARE ACHIEVE ITS PURPOSES? EVALUATION OF PEER-REVIEWED LITERATURE IN OPHTHALMOLOGY RELATED TO WELLNESS
GEORGE L. SPAETH MD*, DANIELA S. MONTEIRO DE BARROS MD, MOATAZ GHEITH MD, GHADA ALI SIAM MD, AND MEHUL NAGARSHETH MS-III

AQUEOUS HUMOR DYNAMICS IN MONKEYS IN RESPONSE TO THE KAPPA OPIOID AGONIST BREMAZOCINE
CAROL A. RAMUSSEN BA, B‘ANN T. GABELT MS, AND PAUL L. KAUFMAN MD*

CUSTOMIZED TOPOGRAPHICALLY-GUIDED LASIK TREATMENT OF MYOPIC ASTIGMATISM
GEORGE WARING MD*, PAUL J. DOUGHERTY MD, ARTURO CHAYET MD, JEFFERY FISCHER MD, BARBARA FANT PHARM, GARY STEVENS PhD, AND HARKARAN S. BAINS
POSTERS

**OPHTHALMOLOGY AND THE HISTORY OF PENICILLIN: A TALE OF FOUR CITIES**
JOHN D. BULLOCK MD MPH MSC*

**THE RELATIONSHIP BETWEEN COMBINED POSITRON EMISSION TOMOGRAPHY/COMPUTED TOMOGRAPHY FINDINGS AND LIGHT MICROSCOPIC FINDINGS IN CASES OF CHOROIDAL MELANOMA**
LISA J. FAIA MD*, JOSE S. PULIDO MD MS MPH MBA, MARK J. DONALDSON MBBS (HONS), DIVA R. SALOMAO MD, J. DOUGNASCAMERON MD, BRIAN MULLAN MD, AND KAAN GUNDUZ MD

**THE INCIDENCE OF CENTRAL SEROUS CHORIORETINOPATHY IN OLMSTED COUNTY, MINNESOTA, FROM 1980-2002**
ANNA S. KITZMANN MD*, JOSE S. PULIDO MD MS MPH MBA, NANCY N. DIEHL BS, DAVID O. HODGE MS, AND JAMES P. BURKE PhD

**COMPARISON OF ANGLED AND STRAIGHT IRIS HOOKS**
JOHN C. MERRIAM MD*, ADRIAN BRUGGER MD, AND LEI ZHENG MD

**INITIAL STUDIES OF THE USE OF OCULAR VIBROACOUSTOGRAPHY**
JOSE S. PULIDO MD MS MPH MBA*, RANDALL R. KINNICK, CHERYL HANN, JAMES F, AND GREEFLEAF PhD

**EVIDENCE FOR CORNEAL GLUTAMATE RECEPTOR EXPRESSION AND FUNCTION**
SCOTT SHIPPY PhD*, JOSE S. PULIDO MD MS MPH MBA, HAOHU QIAN PhD, J. DANIEL NELSON MD, M. J. LU MS, AND JAY C. ERIE MD

**NODULAR DEGENERATION**
THOMAS O. WOOD MD*, ELLEN E. WILLIAMS MBA, DANIELLE L. HAMILTON, AND BRYAN L. WILLIAMS PhD

*Presenter

**Bold** type indicates AOS member.

THESIS

**MONOCULAR DIPLOPIA DUE TO SPHERO-CYLINDRICAL REFRACTIVE ERRORS (AN AOS THESIS)**
STEVEN M. ARCHER MD

**DISSOCIATED HORIZONTAL DEVIATION: CLINICAL SPECTRUM, PATHOGENESIS, EVOLUTIONARY UNDERPINNINGS, DIAGNOSIS, TREATMENT, AND POTENTIAL ROLE IN THE DEVELOPMENT OF INFANTILE ESOTROPIA (AN AOS THESIS)**
MICHAEL C. BRODSKY MD

**HANGING BY A THREAD – THE LONG TERM EFFICACY AND SAFETY OF TRANS-SCLERAL SUTURED INTRAOCULAR LENSES IN CHILDREN (AN AOS THESIS)**
EDWARD G. BUCKLEY MD

**SOURCES OF BINOCULAR SUPRATHRESHOLD VISUAL FIELD LOSS IN A COHORT OF OLDER WOMEN BEING FOLLOWED FOR RISK OF FALLS (AN AOS THESIS)**
ANNE LOUISE COLEMAN MD PHD

**COMPARISON OF TOPICAL INTERLEUKIN-1 (IL-1) VERSUS TUMOR NECROSIS FACTOR-ALPHA (TNF-A) BLOCKADE WITH CORTICOSTEROID THERAPY ON MURINE CORNEAL INFLAMMATION, NEOVASCULARIZATION, AND TRANSPLANT SURVIVAL (AN AOS THESIS)**
REZA DANA MD MPH MSC

**A RECONSIDERATION OF ANTERIOR CHAMBER FLARE AND ITS CLINICAL RELEVANCE FOR CHILDREN WITH CHRONIC ANTERIOR UVEITIS (AN AOS THESIS)**
GARY N. HOLLAND MD

**SUPPRESSION OF KERATOEPITHELIN AND MYOCILIN BY SMALL INTERFERING RNA**
ANDREW JW HUANG MD MPH

**MECHANISMS OF RETINAL GANGLION SPECIFIC-CELL DEATH IN LEBER HEREDITARY OPTIC NEUROPATHY (AN AOS THESIS)**
LEONARD LEVIN MD PHD

**A PROSPECTIVE STUDY OF CAVERNOUS SINUS SURGERY FOR MENINGIOMAS AND RESULTANT COMMON OPHTHALMIC COMPLICATIONS (AN AOS THESIS)**
STEVEN NEWMAN MD

**IMPACT OF A PAY-FOR-PERFORMANCE INTERVENTION: FINANCIAL ANALYSIS OF A PILOT PROGRAM IMPLEMENTATION AND IMPLICATIONS FOR OPHTHALMOLOGY (AN AOS THESIS)**
DAVID W. PARKE II MD
MALPRACTICE AND THE QUALITY OF CARE IN RETINOPATHY OF PREMATURITY (AN AOS Thesis)  
JAMES D. REYNOLDS MD  

THE GRADED LEVATOR HINGE PROCEDURE FOR THE CORRECTION OF UPPER EYELID RETRACTION (AN AOS Thesis)  
DANIEL P. SCHAEFER MD  

PREVENTING SURGICAL CONFUSIONS IN OPHTHALMOLOGY (AN AOS Thesis)  
JOHN W. SIMON MD  

ENDOTHELIAL KERATOPLASTY: CLINICAL OUTCOMES IN THE TWO YEARS FOLLOWING DEEP LAMELLAR KERATOPLASTY (AN AOS Thesis)  
MARK A. TERRY MD  

CAUSING AND CURING INFANTILE ESOTROPIA IN PRIMATES: THE ROLE OF DE-CORRELATED BINOCULAR INPUT (AN AOS Thesis)  
LAWRENCE TYCHSEN MD  

COMPUTER-ASSISTED QUANTIFICATION OF VASCULAR TORTUOSITY IN RETINOPATHY OF PREMATURITY (AN AOS Thesis)  
DAVID K. WALLACE MD MPH  

VISUAL MORBIDITY IN THIRTY-FOUR FAMILIES WITH SCHNYDER CRYSSTALLINE CORNEAL DYSTROPHY (AN AOS Thesis)  
JAYNE S. WEISS MD  

THE INCIDENCE OF SYMPTOMATIC ACQUIRED LACRIMAL OUTFLOW OBSTRUCTION AMONG RESIDENTS OF OLMASTED COUNTY, MINNESOTA, 1976-2000 (AN AOS Thesis)  
JOHN J. WOOG MD
OFFICERS AND COUNCIL
OF THE
AMERICAN OPHTHALMOLOGICAL SOCIETY
Elected at the Annual Meeting
May 20-23, 2007

PRESIDENT
DR DAN B. JONES, HOUSTON, TEXAS

PRESIDENT-ELECT
DR SUSAN H. DAY, SAN FRANCISCO, CALIFORNIA

SECRETARY-TREASURER
DR THOMAS J. LIESEGANG, JACKSONVILLE, FLORIDA

EDITOR OF THE TRANSACTIONS
DR RICHARD K. PARRISH II, MIAMI, FLORIDA

COUNCIL
DR GEORGE B. BARTLEY, JACKSONVILLE, FLORIDA
DR LEE M. JAMPOL, CHICAGO, ILLINOIS
DR DOUGLAS D. KOCH, HOUSTON, TEXAS
DR MARILYN B. METS, CHICAGO, ILLINOIS
DR HANS E. GROSSNIKLAUS, ATLANTA, GEORGIA
PRESIDENTS OF THE SOCIETY

1864-1868  DR EDWARD DELAFIELD, New York
1869-1873  DR HENRY W. WILLIAMS, Boston
1874-1878  DR C. R. AGNEW, New York
1879-1884  DR HENRY D. NOYES, New York
1885-1889  DR WILLIAM F. NORRIS, Philadelphia
1890-1893  DR HASKET DERBY, Boston
1894-1898  DR GEORGE C. HARLAN, Philadelphia
1899-1902  DR O. F. WADSWORTH, Boston
1903-1905  DR CHARLES S. BULL, New York
1906      DR ARTHUR MATHEWSON, Washington, DC
1907      DR CHARLES J. KIPP, Newark
1908      DR SAMUEL D. RISLEY, Philadelphia
1909      DR S. B. ST JOHN, Hartford
1910      DR SAMUEL THEOBALD, Baltimore
1911      DR EMIL GRUENING, New York
1912      DR EDWARD JACKSON, Denver
1913      DR MYLES STANDISH, Boston
1914      DR ROBERT SATTLER, Cincinnati
1915      DR M. H. POST, St Louis
1916      DR GEORGE E. DE SCHWEINITZ, Philadelphia
1917      DR PETER A. CALLAN, New York
1918      DR WILLIAM H. WILDER, Chicago
1919      DR LUCIEN HOWE, Buffalo
1920      DR HIRAM WOODS, Baltimore
1921      DR JOHN E. WEEKS, New York
1922      DR WILLIAM M. SWEET, Philadelphia
1923      DR WILLIAM H. WILMER, Washington, DC
1924      DR ALEXANDER DUANE, New York
1925      DR CASSIUS D. WESTCOTT, Chicago
1926      DR DAVID HARROWER, Worcester
1927      DR WILLIAM ZENTMAYER, Philadelphia
1928      DR WALTER E. LAMBERT, New York
1929      DR WALTER R. PARKER, Detroit
1930      DR WILLIAM CAMPBELL POSEY, Philadelphia
1931      DR ARNOLD KNAPP, New York
1932      DR EDWARD C. ELLETT, Memphis
1933      DR THOMAS B. HOLLOWAY, Philadelphia
1934      DR W. GORDON M. BYERS, Montreal
1935      DR WALTER B. LANCASTER, Boston
1936      DR LOUIS S. GREENE, Washington, DC
1937      DR HARRY FRIEDENWALD, Baltimore
1938      DR F. H. VERHOEFF, Boston
1939      DR FREDERICK T. TOOKE, Montreal
1940      DR E. V. L. BROWN, Chicago
1941      DR F. PHINIZY CALHOUN, Atlanta
1942      DR ALLEN GREENWOOD, Boston
1943      DR HUNTER H. MCGUIRE, Winchester, Virginia
1944      DR JOHN GREEN, St Louis
1945      DR S. JUDD BEACH, Portland, Maine
1946      DR EUGENE M. BLAKE, New Haven
1947      DR JOHN W. BURKE, Washington, DC
1948      DR HENRY C. HADEN, Houston
1949      DR BERNARD SAMUELS, New York
<table>
<thead>
<tr>
<th>Year</th>
<th>President of the Society</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950</td>
<td>Dr D R Parker Heath, Boston</td>
</tr>
<tr>
<td>1951</td>
<td>Dr John H. Dunnington, New York</td>
</tr>
<tr>
<td>1952</td>
<td>Dr Lawrence T. Post, St Louis</td>
</tr>
<tr>
<td>1953</td>
<td>Dr Conrad Berens, New York</td>
</tr>
<tr>
<td>1954</td>
<td>Dr William L. Benedict, Rochester, Minnesota</td>
</tr>
<tr>
<td>1955</td>
<td>Dr Everett L. Goar, Houston</td>
</tr>
<tr>
<td>1956</td>
<td>Dr Alan C. Woods, Baltimore</td>
</tr>
<tr>
<td>1957</td>
<td>Dr Frederick C. Cordes, San Francisco</td>
</tr>
<tr>
<td>1958</td>
<td>Dr Walter S. Atkinson, Watertown, NY</td>
</tr>
<tr>
<td>1959</td>
<td>Dr Derrick Vail, Chicago</td>
</tr>
<tr>
<td>1960</td>
<td>Dr Algernon B. Reese, New York</td>
</tr>
<tr>
<td>1961</td>
<td>Dr Edwin B. Dunphy, Boston</td>
</tr>
<tr>
<td>1962</td>
<td>Dr Francis Heed Adler, Philadelphia</td>
</tr>
<tr>
<td>1963</td>
<td>Dr Paul A. Chandler, Boston</td>
</tr>
<tr>
<td>1964</td>
<td>Dr Maynard C. Wheeler, New York</td>
</tr>
<tr>
<td>1965</td>
<td>Dr Frank B. Walsh, Baltimore</td>
</tr>
<tr>
<td>1966</td>
<td>Dr Wilfred E. Fry, Philadelphia</td>
</tr>
<tr>
<td>1967</td>
<td>Dr Phillip M. Lewis, Memphis</td>
</tr>
<tr>
<td>1968</td>
<td>Dr Gordon C. Bruce, New York</td>
</tr>
<tr>
<td>1969</td>
<td>Dr James N. Greear, Reno</td>
</tr>
<tr>
<td>1970</td>
<td>Dr C. Wilbur Rucker, Rochester, Minnesota</td>
</tr>
<tr>
<td>1971</td>
<td>Dr Dohrmann K. Pischel, San Francisco</td>
</tr>
<tr>
<td>1972</td>
<td>Dr Trygve Gundersen, Boston</td>
</tr>
<tr>
<td>1973</td>
<td>Dr Arthur Gerard Devoe, New York</td>
</tr>
<tr>
<td>1974</td>
<td>Dr William P. McGuire, Winchester, Virginia</td>
</tr>
<tr>
<td>1975</td>
<td>Dr M. Elliott Randolph, Baltimore</td>
</tr>
<tr>
<td>1976</td>
<td>Dr Joseph A. C. Wadsworth, Durham</td>
</tr>
<tr>
<td>1977</td>
<td>Dr David O. Harrington, San Francisco</td>
</tr>
<tr>
<td>1978</td>
<td>Dr Samuel D. McPherson, Jr., Durham</td>
</tr>
<tr>
<td>1979</td>
<td>Dr F. Phinizy Calhoun, Jr., Atlanta</td>
</tr>
<tr>
<td>1980</td>
<td>Dr John Woodward Henderson, Ann Arbor</td>
</tr>
<tr>
<td>1981</td>
<td>Dr William F. Hughes, Chicago</td>
</tr>
<tr>
<td>1982</td>
<td>Dr Robert W. Hollenhorst, Rochester, Minnesota</td>
</tr>
<tr>
<td>1983</td>
<td>Dr Clement McCulloch, Toronto</td>
</tr>
<tr>
<td>1984</td>
<td>Dr Robert N. Shaffer, San Francisco</td>
</tr>
<tr>
<td>1985</td>
<td>Dr Dupont Guerry III, Richmond</td>
</tr>
<tr>
<td>1986</td>
<td>Dr A. Edward Maumenee, Baltimore</td>
</tr>
<tr>
<td>1987</td>
<td>Dr Frank W. Newell, Chicago</td>
</tr>
<tr>
<td>1988</td>
<td>Dr Edward W. D. Norton, Miami</td>
</tr>
<tr>
<td>1989</td>
<td>Dr David Shoch, Chicago</td>
</tr>
<tr>
<td>1990</td>
<td>Dr Robert E. Kennedy, Rochester, New York</td>
</tr>
<tr>
<td>1991</td>
<td>Dr Frederick C. Blodi, Iowa City</td>
</tr>
<tr>
<td>1992</td>
<td>Dr Thomas P. Kearns, Rochester, Minnesota</td>
</tr>
<tr>
<td>1993</td>
<td>Dr Bradley R. Straatsma, Los Angeles</td>
</tr>
<tr>
<td>1994</td>
<td>Dr Robert B. Welch, Annapolis, Maryland</td>
</tr>
<tr>
<td>1995</td>
<td>Dr Bruce E. Spivey, Chicago</td>
</tr>
<tr>
<td>1996</td>
<td>Dr Stanley Truhslen, Omaha</td>
</tr>
<tr>
<td>1997</td>
<td>Dr William H. Spencer, San Francisco</td>
</tr>
<tr>
<td>1998</td>
<td>Dr W. Richard Green, Baltimore</td>
</tr>
<tr>
<td>1999</td>
<td>Dr William S. Tasman, Wyndmoor, Pennsylvania</td>
</tr>
<tr>
<td>2000</td>
<td>Dr W. Banks Anderson, Jr., Durham</td>
</tr>
<tr>
<td>2001</td>
<td>Dr Paul R. Lichter, Ann Arbor</td>
</tr>
<tr>
<td>2002</td>
<td>Dr Robert C. Drews, Clayton, Missouri</td>
</tr>
<tr>
<td>2003</td>
<td>Dr Marilyn T. Miller, Chicago, Illinois</td>
</tr>
</tbody>
</table>
Presidents of the Society

2004  DR FRONCIE A. GUTMAN, Cleveland, Ohio
2005  DR J. BROOKS CRAWFORD, San Francisco, California
2006  DR DANIEL M. ALBERT, Madison, Wisconsin
2007  DR JOHN G. CLARKSON, Miami, Florida
2008  DR DAN B. JONES, Houston, Texas
RECIPIENTS OF THE LUCIEN HOWE MEDAL

1922  DR CARL KOLLER, New York
1923  DR ALEXANDER DUANE, New York
1924  DR ERNEST FUCHS, Vienna, Austria
1925  NO AWARD
1926  DR EDWARD JACKSON, Denver
1927  MR PRIESTLY SMITH, Birmingham, England
1928  NO AWARD
1929  DR THEODOR AXENFELD, Freiburg, Germany
1930  NO AWARD
1931  NO AWARD
1932  DR F. H. VERHOEFF, Boston
1933  NO AWARD
1934  DR GEORGE E. DE SCHWEINITZ, Philadelphia
1935  NO AWARD
1936  SIR JOHN HERBERT PARSONS, London, England
1937  DR ARNOLD KNAPP, New York
1938  NO AWARD
1939  NO AWARD
1940  NO AWARD
1941  NO AWARD
1942  DR E. V. L. BROWN, Chicago
1943  NO AWARD
1944  NO AWARD
1945  DR WALTER B. LANCASTER, Boston
1946  SIR STEWART DUKE-ELDER, London, England
1947  DR LAWRENCE T. POST, St Louis
1948  DR WILLIAM ZENTMAYER, Philadelphia
1949  DR PHILLIPS THYGESON, San Jose, California
1950  DR ALGERNON B. REESE, New York
1951  DR JONAS S. FRIEDENWALD, Baltimore
1952  DR FRANCIS H. ADLER, Philadelphia
1953  DR ALAN C. WOODS, Baltimore
1954  DR JOHN H. DUNNINGTON, New York
1955  DR ARTHUR J. BEDELL, Albany
1956  DR BERNARD SAMUELS, New York
1957  DR GEORGIANA Dvorak-Theobald, Oak Park, Illinois
1958  MISS IDA MANN, Nedlands, Western Australia
1959  DR LUDWIG VON SALLMANN, Bethesda, Maryland
1960  DR DERRICK T. VAIL, Chicago
1961  DR FREDERICK C. CORDES, San Francisco
1962  DR FRANK B. WALSH, Baltimore
1963  DR EDWIN B. DUNPHY, Boston
1964  DR WILLIAM L. BENEDICT, Rochester, Minnesota
1965  DR DAVID G. COGAN, Boston
1966  DR DOHRMANN K. PISCHEL, San Francisco
1967  DR PAUL A. CHANDLER, Boston
1968  DR WALTER MORTON GRANT, Boston
1969  DR A. EDWARD MAUMENE, Baltimore
1970  DR PETER C. KRONFELD, Chicago
1971  DR C. WILBUR RUCKER, Rochester, Minnesota
1972  DR WALTER S. ATKINSON, Watertown, New York
1973  DR GORDON M. BRUCE, Fort Lee, New Jersey
Recipients of the Howe Medal

1974  Dr Irving H. Leopold, New York
1975  Dr Michael J. Hogan, San Francisco
1976  Dr Edward W. D. Norton, Miami
1977  Dr Kenneth C. Swan, Portland, Oregon
1978  Dr S. Rodman Irvine, Newport Beach, California
1979  Dr Frank W. Newell, Chicago
1980  Dr Frederick C. Bodi, Iowa City
1981  Dr David O. Harrington, San Francisco
1982  Dr Arthur Gerard Devoe, New York
1983  Dr J. Donald M. Gass, Miami
1984  Dr Harold G. Scheie, Philadelphia
1985  Dr Robert N. Shaffer, San Francisco
1986  Dr Robert W. Hollenhorst, Rochester, Minnesota
1987  Dr Dupont Guerry III, Richmond, Virginia
1988  Dr Thomas D. Duane, Philadelphia
1989  Dr Marshall M. Parks, Washington, DC
1990  Dr David Shoch, Chicago
1991  Dr Arnall Patz, Baltimore
1992  Dr Bradley R. Straatsma, Los Angeles
1993  Dr Bruce E. Spivey, San Francisco
1994  Dr Thomas P. Kearns, Rochester, Minnesota
1995  Dr William H. Spencer, San Francisco
1996  Dr Robert Machemer, Durham
1997  Dr W. Richard Green, Baltimore
1998  Dr Alan B. Scott, San Francisco
1999  Dr Lorenz E. Zimmerman, Washington, DC
2000  Dr William S. Tasman, Philadelphia
2001  Dr Stanley M. Truhlsen, Omaha
2002  Dr Crowell Beard, San Jose, California
2003  Dr Alfred Sommer, Baltimore, Maryland
2004  Dr Arthur Jampolsky, Belvedere, California
2005  Dr Stephen J. Ryan, Los Angeles, California
2006  Dr Matthew D. Davis, Madison, Wisconsin
2007  Dr Daniel M. Albert, Madison, Wisconsin
Verhoeff Lecturers

FREDERICK H. VERHOEFF LECTURERS

1961  DR ARTHUR J. BEDELL
1964  SIR STEWART DUKE-EDLER
1969  DR DAVID G. COGAN
1971  DR LORENZ E. ZIMMERMAN
1973  DR IRVING H. LEOPOLD
1975  DR ARTHUR GERARD DEVOE
1977  PROFESSOR JULES FRANCOIS
1979  DR SAIICHI MISHIMA
1983  DR RICHARD W. YOUNG
1989  DR FREDERICK C. BLODI
1992  DR FRANCIS I. COLLINS
1993  DR JORAM PIATIGORSKY
1997  DR GEOFFREY ARDEN
2002  DR PAUL SIEVING
2003  DR THADDEUS P. DRYJA
MEMBERS 2007

Abbott, Richard L.
Alvarado, Jorge A.
Anderson, Douglas R.
Apple, David J.
Archer, Steven
Asbell, Penny A.
Augsburger, George C.
Bartley, George B.
Bateman, J. Bronwyn
Beauchamp, George R.
Benson, William E.
Berler, David K.
Berson, Eliot L.
Biglan, Albert W.
Black, Bradley C.
Blair, Norman P.
Blankenship, George W.
Blomquist, Preston H.
Bobrow, James C.
Bourne, William M.
Brodsky, Michael
Brown, Gary C.
Buckley, Edward G
Caldwell, Delmar R.
Cantor, Louis B.
Caprioli, Joseph
Chan, Chi-Chao
Char, Devon H.
Chew, Emily Y.
Chodosh, James
Cibis, Gerhard W.
Cioffi, George A.
Clarkson, John G.
Coats, David K.
Coleman, Anne L.
Crawford, J. Brooks
Dana, Reza
Day, Susan H.
Donahue, Sean P.
Donskik, Peter C.
Doughman, Donald J.
Durrie, Daniel S.
Eagle Jr., Ralph C.
Elman, Michael J.
Elner, Susan G.
Elner, Victor M.
Erie, Jay C.
Ernest, J. Terry
Farris, R. Linsy
Federman, Jay L.
Feldon, Steven E.
Feman, Stephen S.
Ferris, Frederick L.
Ferry, Andrew P.
Flach, Allan J.
Flanagan, Joseph C.
Flynn, John T.
Forster, Richard K.
Foster, C. Stephen
France, Thomas D.
Frank, Robert N.
Friedlaender, Mitchell H.
Friedman, Alan H.
Frueh, Bartley R.
Gaasterland, Douglas E.
Gardner, Thomas W.
Gelender, Henry
Godfrey, William A.
Goldbaum, Michael H.
Good, William V.
Gottsch, John D.
Gragoudas, Evangelos S.
Grand, M. Gilbert
Gross, Ronald L.
Grossniklaus, Hans E.
Guyton, David L.
Haik, Barrett G.
Haller, Julia A.
Han, Dennis P.
Harris, Gerald J.
Heckenlively, John R.
Helveston, Eugene M.
Hersh, Peter S.
Holland, Edward J.
Holland, Gary N.
Horton, Jonathan C.
Huang, Andrew
Hull, David S.
Humayun, Mark S.
Iliff, Nicholas T.
Iliff, W. Jackson
Ing, Malcolm R.
Jabs, Douglas A.
Jaeger, Edward A.
Jakobiec, Frederick A.
Jampel, Henry D.
Jampol, Lee M.
Jampolsky, Arthur
Johnson, David A.
Johnson, Mark W.
Jones, Dan B.
Kass, Michael A.
Katz, Barrett
Kaufman, Paul L.
Kaushal, Shalesh
Kelley, James S.
Kennedy, Robert H.
Kenyon, Kenneth R.
Kivlin, Jane D.
Klein, Barbara E. K.
Klein, Ronald
Knox, David L.
Koch, Douglas D.
Krachmer, Jay H.
Kreiger, Allan E.
Lakhanpal, Vinod
Lawrence, Mary Gilbert
Lemp, Michael A.
Levin, Leonard
L'Esperance, Francis A.
Lewis, Richard Alan
Lichter, Paul R.
Liesegang, Thomas J.
Lindstrom, Richard L.
Liu, Don
Ludwig, Irene H.
Luxenberg, Malcolm N.
Mannis, Mark J.
Maumenee, Irene H.
Mazow, Malcolm L.
McCulley, James P.
McDonald, Marguerite B.
McLeod, Stephen D.
McMeel, J. Wallace
Meredith, Travis A.
Merriam, John C.
Mets, Marilyn B.
Metz, Henry S.
Meyers, Sanford M.
Mieler, William F.
Miller, Marilyn T.
Mills, Richard P.
Minekler, Donald S.
Mindel, Joel S.
Mitchell, Paul R.
Morrison, John C.
Nelson, J. Daniel
Newman, Steve A
Nirankari, Verinder S.
Nork, T. Michael
O'Day, Denis M.
O'Neill, John F.
Packer, Samuel
Parke, David W.
Parrish II, Richard K.
Parver, Leonard M.
Payse, Evelyn A.
Podos, Steven M.
Pollard, Zane F.
Pulido, Jose S.
Puro, Donald G.
Raab, Edward L.
Rao, Narsing A.
Rapuano, Christopher J.
Reynolds, James D.
Rich, Larry F.
Ritch, Robert
Robertson, Dennis M.
Robin, Alan L.
Rogers, Gary L.
Runge, Paul E.
Ryan Jr., Stephen J.
Sadun, Alfredo A.
Schaefer, Daniel P.
Schanzlin, David J.
Schein, Oliver D.
Schubert, Hermann D.
Schwab, Ivan R.
Schwartz, Daniel M.
Scott, Alan B.
Sebag, Jerry
Members

Sergott, Robert C.
Sherwood, Mark B.
Shields, Carol L.
Shields, Jerry A.
Shields, M. Bruce
Sieving, Paul A.
Simon, John W.
Small, Kent W.
Smith, Ronald E.
Smolin, Gilbert
Sommer, Alfred
Spaeth, George L.
Spencer, Rand
Srinivasan, B. Dobli
Stager Sr., David R.
Stamper, Robert L.
Stark, Walter J.
Steinert, Roger F.
Stone, Edwin M.

Stout, John T.
Sugar, Alan
Summers, C. Gail
Taylor, Hugh R.
Terry, Mark A.
Thompson, John T.
Tornambe, Paul E.
Townsend, William M.
Traboulsi, Elias I.
Tse, David T.
Tso, Mark O. M.
Tychsen, Lawrence
Van Meter, Woodford S.
Van Newkirk, Mylan R.
Vine, Andrew K.
Wallace, David
Waltman, Stephen R.
Walton, David S.
Waring III, George O.

Fraunfelder, Frederick T.
Frayer, William C.
Freeman, H. MacKenzie
Glew, William B.
Goldberg, Morton F.
Grayson, Merrill
Green, W. Richard
Gutman, Froncie A.
Hagler, William S.
Hamilton, Ralph S.
Hedges Jr., Thomas R.
Henderson, John Warren
Henderson, John Woodworth
Hiat, Roger L.
Hollenhorst Sr., Robert W.
Howard, Rufus O.
Hyndiuk, Robert A.
Irvine, Alexander R.
Jarrett II, William H.
Jones, Ira S.
Kaiser-Kupfer, Muriel I.
Kearns, Thomas P.
Kennedy, Robert E.
Kolker, Allan E.
Kupper, Carl
Laibson, Peter R.
Landers III, Maurice B.
Latties, Alan M.
Lawwill, Theodore
Levene, Ralph Z.
Little, Hunter L.
Lloyd, Lois A.
Macdonald Jr., Roderick
Manchester Jr., P. Thomas
McDonald, James E.
Meyer, Roger F.
Miranda Jr., Manuel N.
O’Connor, G. Richard
O’Rourke, James
Okun, Edward

Weakley Jr., David R.
Weinreb, Robert N.
Weiss, Jayne S.
Wilenksy, Jacob T.
Wilhelmus, Kirk R.
Wilkinson, Charles P.
Wilson, David J.
Wilson Jr., M. Edward
Wilson, M. Roy
Wilson, Steven E.
Wood, Thomas O.
Woog, John
Wright, Kenneth W.
Yannuzzi, Lawrence A.
Yeatts, R. Patrick
Yee, Robert D.
Young, Terri L.
Younge, Brian R.
Zarbin, Marco A.

Owens, William C.
Patz, Arnall
Payne, John W.
Pico Sr., Guillermo
Pollack, Irvin P.
Regan, Ellen F.
Richards, Richard D.
Robb, Richard M.
Rubin, Melvin L.
Schocket, Stanley S.
Schultz, Richard O.
Schwartz, Ariah
Sears, Marvin L.
Schaffer, Robert N.
Sherman, Arthur E.
Small, Robert G.
Snell, Albert C.
Spalter, Harold F.
Spaulding, Abbot G.
Spencer, William H.
Spivey, Bruce E.
Straatsma, Bradley R.
Streeter, Barbara W.
Tasman, William S.
Taylor, Daniel M.
Thompson, H. Stanley
Troutman, Richard C.
Truhlsen, Stanley M.
Van Buskirk, E. Michael
Veronneau-Troutman, Suzanne
von Noorden, Gunter K.
Wall, Robert R.
Watzke, Robert C.
Welch, Robert B.
Wilson Sr., Fred M.
Wilson II, Fred M.
Wilson, R. Sloan
Wolff, Stewart M.
Wong, Vernon G.
Yanoff, Myron

EMERITUS MEMBERS 2007

Aaberg Sr., Thomas M.
Albert, Daniel M.
Alper, Melvin G.
Anderson Jr., W. Banks
Annesley Jr., William H.
Apt, Leonard
Asbury, Taylor
Baum, Jules L.
Becker, Bernard
Benedict, Walter H.
Bennett, James E.
Berrocal, Jose A.
Breinin, Goodwin M.
Brockhurst, Robert J.
Bronson II, Nathaniel R.
Brubaker, Richard F.
Bullock, John D.
Burde, Ronald M.
Burton, Thomas C.
Campbell, Francis P.
Carr, Ronald E.
Coleman, D. Jackson
Cooper, William C.
Cox Jr., Morton S.
Curtin, Brian J.
Darrell, Richard W.
Davis, Matthew D.
Day, Robert M.
Dayton Jr., Glenn O.
Dellaporta, Angelos
DeVoe, A. Gerard
Drews, Robert C.
Duke, James R.
Durham, Davis G.
Dyer, John A.
Elliott, James H.
Ellis, Philip P.
Everett, William G.
Forbes, Max

Fraunfelder, Frederick T.
Frayer, William C.
Freeman, H. MacKenzie
Glew, William B.
Goldberg, Morton F.
Grayson, Merrill
Green, W. Richard
Gutman, Froncie A.
Hagler, William S.
Hamilton, Ralph S.
Hedges Jr., Thomas R.
Henderson, John Warren
Henderson, John Woodworth
Hiat, Roger L.
Hollenhorst Sr., Robert W.
Howard, Rufus O.
Hyndiuk, Robert A.
Irvine, Alexander R.
Jarrett II, William H.
Jones, Ira S.
Kaiser-Kupfer, Muriel I.
Kearns, Thomas P.
Kennedy, Robert E.
Kolker, Allan E.
Kupper, Carl
Laibson, Peter R.
Landers III, Maurice B.
Latties, Alan M.
Lawwill, Theodore
Levene, Ralph Z.
Little, Hunter L.
Lloyd, Lois A.
Macdonald Jr., Roderick
Manchester Jr., P. Thomas
McDonald, James E.
Meyer, Roger F.
Miranda Jr., Manuel N.
O’Connor, G. Richard
O’Rourke, James
Okun, Edward

Owens, William C.
Patz, Arnall
Payne, John W.
Pico Sr., Guillermo
Pollack, Irvin P.
Regan, Ellen F.
Richards, Richard D.
Robb, Richard M.
Rubin, Melvin L.
Schocket, Stanley S.
Schultz, Richard O.
Schwartz, Ariah
Sears, Marvin L.
Schaffer, Robert N.
Sherman, Arthur E.
Small, Robert G.
Snell, Albert C.
Spalter, Harold F.
Spaulding, Abbot G.
Spencer, William H.
Spivey, Bruce E.
Straatsma, Bradley R.
Streeter, Barbara W.
Tasman, William S.
Taylor, Daniel M.
Thompson, H. Stanley
Troutman, Richard C.
Truhlsen, Stanley M.
Van Buskirk, E. Michael
Veronneau-Troutman, Suzanne
von Noorden, Gunter K.
Wall, Robert R.
Watzke, Robert C.
Welch, Robert B.
Wilson Sr., Fred M.
Wilson II, Fred M.
Wilson, R. Sloan
Wolff, Stewart M.
Wong, Vernon G.
Yanoff, Myron
### Members

**HONORARY MEMBERS**
Zimmerman, Lorenz E.

<table>
<thead>
<tr>
<th>Category</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members</td>
<td>239</td>
</tr>
<tr>
<td>Emeritus Members</td>
<td>119</td>
</tr>
<tr>
<td>Honorary Members</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Membership** 359
NECROLOGY

In Memorium

CHARLES J. CAMPBELL MD, ELECTED 1968
HAROLD FRANCIS FALLS MD, ELECTED 1952
ROBISON D. HARLEY, MD, PHD, ELECTED 1951
CLEMENT MCCULLOCH, MD, FRCS(C), ELECTED 1954
KENNETH C. SWAN, MD, ELECTED 1948
Charles J. Campbell, MD
BY Harold F. Spalter MD

Dr. Charles J. Campbell, a pioneer in the development and clinical application of the first laser to be successfully employed in the treatment of ocular diseases, died peacefully at age 80 on March 1, 2007, in Vero Beach, Florida, surrounded by his devoted family. He was a former Chairman of the Department of Ophthalmology of Columbia University.

Dr. Campbell’s professional career as a dedicated physician-scientist was predicated on superb academic preparation. His M.D. degree at George Washington University had been preceded by a Master of Science degree in optics at the University of Rochester following undergraduate training at Muskingum College in Ohio. He next engaged in high altitude photometry research while serving as a Captain in the United States Air Force Aeromedical Laboratory at White Sands, New Mexico and Wright-Patterson Air Force Base in 1952-54. Throughout residency training at the Edward S. Harkness Eye Institute, Columbia University Medical Center during 1954-57, Dr. Campbell continued his research in optics and earned a Doctor of Medical Science degree at Columbia University with a thesis entitled “An experimental investigation of the size constancy phenomenon.”

As a new faculty member in 1957, Dr. Campbell was appointed Director of the Knapp Memorial Laboratory of Physiological Optics at the Harkness Eye Institute succeeding LeGrand Hardy, M.D. The Knapp Laboratory, previously renowned for development of the Hardy-Rand-Rittler pseudoisochromatic plates for testing color vision, would soon become resurgent under the new leadership. By initiating a subspecialty Retina Clinic in 1958, Dr. Campbell was able to combine clinical observations and laboratory investigations into a synthesis that culminated in his remarkable development of a prototype ophthalmic ruby laser which, in his hands, proved to be an effective alternative to invasive surgery in a variety of blinding retinal diseases. Continuous refinement resulted in an affordable compact air-cooled instrument that ushered in the golden age of the laser in ophthalmology, and subsequently in many other medical and surgical disciplines. Soon thereafter, Dr. Campbell initiated a course at the Academy withy colleagues Doctors Ellsworth and Spalter to introduce the potential of laser therapy to ophthalmological practitioners and trainees worldwide.

An indefatigable worker, Dr. Campbell was always the first faculty member to arrive at the Harkness Eye Institute in the morning and the last to leave at night. A master of concentration, observation, and documentation, the ideal assets for the consummate physician-scientist and teacher, Dr. Campbell was also a superb ophthalmic diagnostician and surgeon. Even the inventor, Dr. Campbell, in collaboration with engineers at the American Optical Corporation, developed the first successful American made slit-lamp and applanation tonometer, in addition to a new indirect ophthalmoscope.

By excelling in the academic triad of teaching, research, and clinical practice, Dr. Campbell advanced rapidly through the professorial ranks and in 1974 was appointed the Chairman of the Department of Ophthalmology at the College of Physicians and Surgeons of Columbia University and Director of the Edward S. Harkness Eye Institute. After a vigorous fourteen year stewardship of the Department, Dr. Campbell retired as Emeritus Professor in 1987.

Dr. Campbell was an active contributor to ophthalmological and medical organizations, including the Editorial Board of the American Journal of Ophthalmology, Advisor to the National Research Council Committee on Vision of the National Academy of Sciences, Advisory Committee of the Fight for Sight, Board of Directors of the National Society for the Prevention of Blindness, and for many years was an active member and officer of the New York Ophthalmological Society. He also served on the Board of
Necrology

Trustees of the Presbyterian Hospital, and the Board of Trustees of Manhattanville College. In recognition of his achievements as an “Outstanding teacher, author, and researcher”, Dr. Campbell received the Lucien Howe Gold Medal, in 1976, awarded by the Buffalo Ophthalmologic Club.

Dr. Campbell was elected to the American Ophthalmological Society in 1968, his thesis, not unexpectedly, explored the newly revealed ocular effects of laser energy. He served as a member of the Committee on Theses of the AOS during the years 1974-75 and then as Chairman of the Committee in 1976. He next served as a member of the Council of the AOS during the 1979-82, and as Chairman of the Council in 1983.

Dr. Campbell’s legacy of dedicated service to the Department of Ophthalmology and the Edward S. Harkness Eye Institute of the Columbia University Medical Center, his vision saving technological achievements, and his gentlemanly presence will long be remembered and cherished. We extend our deepest condolences to his devoted wife Mary Catherine, his children, Dr. Catherine M. Campbell, Barbara I. Campbell-Kopec, Charles A. Campbell, III, and his grandchildren.
Harold Francis Falls, M.D., of Brighton, Michigan, the founder and unparalleled pioneer of medical and ophthalmic genetics in North America, died 27 May 2006 at age 96 years. He was the undisputed master of clinical genetics in ophthalmology for nearly a half century. He is survived by his delightful wife Emeline, their three children, Thomas, Hariette [Gray], and Timothy, seven grandchildren, and four great grandchildren. For his entire professional life, he practiced ophthalmology as a faculty member of the University of Michigan, but he was well- renown and highly respected throughout the United States and internationally for his seminal descriptions and diligent analysis of hereditary eye and constitutional disorders.

He was born in Winchester, Indiana, 26 November 1909, and later moved to Detroit, graduating from Western High School as President of his Senior Class. He was graduated from the University of Michigan in 1932 and the University of Michigan Medical School in 1936, and completed his residency in Ophthalmology and his M.S. in Ophthalmology at the Horace H. Rackham School of Graduate Studies at the University of Michigan in 1939.

His interest in genetics began in childhood working at his family farm with his step-grandfather, diligently observing his selection of the best milk-producing cows, the largest hogs, and even the seed corn from the tallest and most robust stalks. During his internship, he met Professor Lee R. Dice, an ecologist, who campaigned successfully to establish the first Heredity Clinic so designated in the United States in 1941 under the umbrella of the Laboratory of Vertebrate Genetics at Michigan's undergraduate campus. Dr. Falls became the Medical Director of the Heredity Clinic in 1943. In 1946, James V. Neel M.D. succeeded Dr. Falls as physician geneticist-in-charge of the Heredity Clinic and then became Chairman of the newly formed Department of Human Genetics in 1956. This is the only instance in history in which an academic Department of Human Genetics evolved from an heredity clinic that was essentially conceived and run by an ophthalmologist!

Harold's astute powers of observation and his keen but patient curiosity led to the first lucid descriptions of familial retinoblastoma (1942), ectopia lentis (1943), and anodontia with ectodermal dysplasia (1944). He wrestled even then with the frustrating concept of variable expressivity of a dominant trait: “it is not known whether the gene [for ectopia lentis] is fully dominant..., since homozygotes...are not known and in the heterozygous condition there is such a variable expression of the character. It would perhaps be better to call the abnormal gene nonrecessive”.

His stunning but quiet intellect and his masterful clinical prescience, in an era long before what we now deem conventional human genetics, led to his remarkable intuition about inactivation of the X-chromosome. Solely from observations of the obligate heterozygote females in a form of “sex-linked anemia” (more recently, Cooley’s anemia or X-linked sideroblastic anemia), Harold recognized two distinct populations of red blood cells in the peripheral blood, one nearly normal and one similar to the affected males. He concluded in 1946: “The disease [Cooley’s anemia] appears to be transmitted from generation to generation by females, many of
whom have enlarged spleens and minor red blood cell abnormalities without anemia, in a manner compatible with sex-linked inheritance in which the abnormality is recessive, or incompletely recessive, in females”. Thus as a clinical ophthalmologist with clinical acumen alone, he unequivocally understood and predicted the concept of lyonization and random X-inactivation a decade and a half before it was espoused by Mary Lyon in the coat color of mouse in 1961!

Shortly thereafter he contributed an equally important observation on the ‘tapetal reflex’ sheen in the carrier females of one form of X-linked retinitis pigmentosa and repeatedly taught his students and trainees that “it would seem definitely advisable...to examine carefully all the close relatives of parents having retinitis pigmentosa or related conditions, even though all these relatives are reported to have good visual acuity”...“If a male patient has...a negative family history for the disease [RP],...the finding of a tapetum-like fundus...in the patient’s mother,...sister or daughter would strongly suggest... a sex-linked form of chorioretinal degeneration” (1948).

In 1950, he defined and illustrated the “typical fundus changes” of carriers of X-linked disorder that now bears his name, Nettleship-Falls Ocular Albinism, and amplified the concept of X-inactivation: “I support the postulation of an x-chromosome gene intermediate in its expression in the female and exhibiting its full effect when present in the single unopposed locus in the male”.

Even more impressively, Harold played the key role in the modern methodical description or correct interpretation of X-linked juvenile retinoschisis, Blue Cone Monochromacy, Indiana type amyloidosis, basal cell nevus syndrome, posterior polymorphous corneal dystrophy, Best vitelliform dystrophy, familial foveal retinoschisis, and hereditary lymphedema with distichiasis.

His scientific prowess, his deep commitment and compassion for families, and his intense curiosity led to two major state-wide surveys with Dr. Neel, one on retinoblastoma (1951) and the other on aniridia (1960). These two “whole-state” ascertainment provided the then most reliable estimates of incidence and prevalence, interpretation of inheritance, calculated mutation rates, and analysis of factors influencing mutation including inferentially the effect of advanced paternal age. These were the model for subsequent population-based genetic disease surveys in the United States.

Few clinicians have had Harold’s insight and foresight. He anticipated by a half-century the coordinated and integrated efforts of researchers and clinicians to solve hereditary disorders. At a symposium on Genetics at the American Academy of Ophthalmology and Otolaryngology in 1949, he stated: “The future holds the explanation! Let us hasten the day of understanding through careful analysis of all affected families by the joint activity...of the ophthalmologist, the physiologist, the geneticist, the chemist and the internist”. Further, as the Jackson Memorial Lecturer in 1953, remarkably the same year when Watson and Crick described the fundamental structure of DNA, Harold prophesied that: “The invasion...of the biochemist into ophthalmic research is a most welcomed and needed event, since it is anticipated that by this marriage the clinician will become better informed as to the specific enzymatic or hormonal patho-physiology occurring in many of these diseases”. Thus his comment predates the concept of molecular genetics by nearly a quarter-century!

“Why should we know something about genetics?” he challenged at the New Orleans Academy of Ophthalmology in 1967. “To be blunt, because we are physicians”. And “a knowledge of the principles of genetics can be rewarding, specifically for the following reasons: (1) to possess useful knowledge, (2) to be aware of genetic causation of ocular disease—etiology, (3) to improve classification of ocular disease, (4) to advance knowledge concerning metabolic processes and errors, (5) to abet prophylaxis and treatment through more accurate genetic counseling, and (6) to stimulate and improve ophthalmic research.” Does his justification remind us of the specific reasons that we embarked on the Human Genome Project in 1990?

Dr. Falls was respected and loved by his medical students, residents, and Fellows, who considered him not only a brilliant physician and medical scientist but a man warmly supportive of their work as well. “I’ll bet you a milkshake” was his repeated aphorism and the challenge to those who studied with him. So many of us owed Harold milkshakes that we remember the occasions when he pushed us in new and imaginative ways. His acumen as a clinician was legendary and his willingness to share and to transmit his enthusiasm and dedication to others made him a truly great mentor and teacher whose legacy will endure far into the future. His formal educational lectures were a blizzard of slides accompanied by urgent speech emphasizing not only his comprehensive knowledge of his subject but also his urgency to convey wisdom. It was my privilege to know him as a medical student, to study with him as a Resident, to work with him as faculty, to share his amazing cadre of patients and families when he retired in 1975, and to correspond with and visit him for years thereafter. In 2003, his friends, patients, colleagues, and admirers established the Harold F. Falls Collegiate Professorship in Ophthalmology and Visual Sciences at the University of Michigan to honor in perpetuity the history and the grand tradition of ophthalmic genetics that he began. On that occasion everyone present toasted him with milkshakes!

Dr. Harold Falls was truly a man of history: a founder of the first academic human Heredity Clinic, the discoverer of the principle of random inactivation of the X-chromosome and the explanation of X-chromosomal carrier states 15 years before animal confirmation, and the unrivaled master of ophthalmic genetics for nearly a half century. As a devoted teacher, a diligent observer, a superb diagnostician, a superior parliamentarian, and a humane physician, Harold Falls influenced my professional education and postgraduate academic career more than anyone. He belongs to an extraordinary and select cadre of legendary ophthalmologists who created medical and ophthalmic genetics, among them Edward Nettleship, Charles Usher, P.J. Waardenburg, Adolphe Franceschetti, and Jules Francois. But he also valued heart and spirit and soul more than connection and achievement. He was forward-looking and forward-thinking—he wanted a future better than the past. With modesty and humility, he always remembered his place in the Universe, and he used his one and only, brief and uncertain earthly life to do good for humankind. We all shall miss him dearly.
Robison D. Harley (Rob), a renowned pediatric ophthalmologist, died in his Wilmington home on January 3, 2007 at the age of 95. A man for all seasons, Rob had a remarkable life and career. He was born on February 27, 1911 in Pleasantville, New Jersey. A graduate of Rutgers University in 1932, Rob went on to earn a medical degree at the University of Pennsylvania in 1936. After an internship at Philadelphia General Hospital, once a facility that counted Sir William Osler as one of its physicians, he traveled to the University of Minnesota where he earned a Ph.D.

During World War II Rob served in the U.S. Army in the Panama Canal Zone where he developed an interest in tropical diseases including leprosy and onchocerciasis (river blindness). After the war Dr. Harley joined his father in an ophthalmology practice in Atlantic City and became Director of Ophthalmology at Atlantic City Hospital. Later he left private practice to become a Professor of Ophthalmology at Temple University Medical School and later Chair of that department. Rob liked to establish things. He was instrumental in founding the Department of Pediatric Ophthalmology at St. Christopher’s Hospital for Children and then became founder and Director of Pediatric Ophthalmology at Wills Eye Hospital in Philadelphia.

Singular among his many contributions was the 1975 publication of Harley’s "Pediatric Ophthalmology" which is now in its fifth edition. Rob published numerous articles and was the recipient of many honors and awards. Among these were serving as President of the American Association of Pediatric Ophthalmology and the Outstanding Humanitarian Award from the American Academy of Ophthalmology in the year 2000.

Rob generously volunteered his time to help those less fortunate and was a participant for many years with Project Hope, Care Medico, The International Society of Surgeons, and Project ORBIS. This led him to dozens of countries in Asia, India, Africa and South America where he performed eye surgery and trained local physicians.

Locally Rob was a past President of the Delaware Association for the Blind. He also created a Trust to endow the Robison D. Harley, M.D. Chair in Pediatric Ophthalmology at the Alfred I. Dupont Hospital for Children in Wilmington, Delaware and made a generous gift to the Wills Eye Hospital Society for glaucoma research.

But a man’s greatness is not alone a measure of the societies to which he belongs or the accomplishments and honors from the
past. It is a measure of his ability to continue growing and here again Dr. Harley was exceptional. His interests were not restricted just to things medical. Quite the contrary. He was a man of broad horizons, and adhered to the philosophy that those who continue to learn and to improve themselves open new windows to challenge the imagination. It is not therefore surprising that Rob was also an avid sailor, explorer, and to the end stayed current with his specialty of pediatric ophthalmology.

Rob is survived by his wife, Lucille (Garyantes) Harley; son, Robison Harley, Jr. and daughter-in-law Suzanne; daughters, Heather and Ardee Harley; sons, Halvor Harley III and daughter-in-law Cindy, and William and daughter-in-law Gaye; as well as eight grandchildren and two great grandchildren.
Clement McCulloch, MD, FRCS(C)  
BY W. Banks Anderson, Jr., MD

The 1983 President of the AOS, Clement McCulloch of Toronto, Canada died January 10, 2007, at the age of 93. His death brought to an end 129 years of Canadian participation in our Society, Lois Lloyd having died the preceding year. In 1982 Clem won the Canada Cup in the golf tourney, retiring the original Canada trophy, but a second Canada Cup bearing his name was donated to the Society and serves to remind us of this long Canadian heritage.

Clem was born December 27, 1914, in Belleville, Ontario and received his MD from the University of Toronto in 1939. His residency training was at the Eye Institute of the Columbia - Presbyterian Hospital (1940-1943). Upon completion he entered the Royal Canadian Air Force serving as a flight lieutenant and squadron leader and did research involving the psychophysics of pilot vision at high altitudes and at night. After the war, for 14 years he served as ophthalmologist-in-chief at the Toronto Western Hospital, and then was appointed Chief of the University of Toronto Department of Ophthalmology. During his 21 years as chair, 144 residents were graduated from the program and are a lasting legacy.

Clem was elected to membership in 1954 and was an active participant in the AOS serving as a member of the Thesis Committee, as the sixth editor of The Transactions from 1967 until 1972 and as a Council member from 1973-1977. He also edited the Transactions of the Canadian Ophthalmological Society for 10 years and served as vice-president of the American Academy of Ophthalmology in 1983. During this period he was a member of the Canadian Medical Research Council panel on clinical research (1981-1984) and a member of the Council of the Pan-American Association of Ophthalmology. He was the founding chair of the National Retinitis Pigmentosa Foundation of Canada. He published more than 84 articles in peer reviewed journals and his AOS thesis described the anatomy of the zonule of Zinn. In 1985 the Canadian Association of the Manufacturers of Medical Devices awarded him their award for medical achievement. There is a named lectureship in his honor at the University of Toronto established by his colleagues and friends in 1980.

The last meeting attended by Clem was that of 1992 when he was 78 years of age. He was predeceased by his first wife, Nancy, and is survived by three children, two grandchildren and his wife, Margaret Bain Simpson. Our images of him are that of a friendly, lanky, and astute clinician with a tinge of Scotland in his voice and in his golf swing. He contributed greatly to all of his organizations including the AOS. We miss him and are grateful for the Canadian connection that he so well represented.
Kenneth C. Swan, MD
By - Frederick T. Fraunfelder, MD

Beautiful young people are creations of nature. Beautiful old people create themselves.
- Anonymous

Having had almost daily contact with “the Chief” in the last three decades of his life, I would say that he was gorgeous. When I visited him a few days before his passing at age 95, I found him sharp of mind and keen of wit. Above all, he desired to avoid being a burden to anyone. Kenneth C. Swan, M.D., succumbed to complications of Parkinson’s disease on February 23, 2007, just two months after the passing of his wife and best friend, Virginia.

Dr. Swan completed his residency at the University of Iowa, where he also served on the faculty. In 1944, he became the first full-time clinician at the University of Oregon School of Medicine, now Oregon Health & Science University in Portland, Oregon. He established the first ophthalmology residency in the Pacific Northwest and went on to train more than 100 ophthalmologists, including five who became chairs of ophthalmology departments. Many of the residents he trained attended a celebration of Dr. Swan’s life in May 2007 to honor the teacher who gave so much of his time to train them personally.

Dr. Swan’s contributions to ophthalmology include developing artificial tears from methylcellulose and developing various mydriatics. He also developed one of the first microscopes used for eye surgery and surgical procedures for congenital glaucoma and cataract incisions. His primary research interest was pediatric ophthalmology, and he was co-founder of the Strabismus Club.

Dr. Swan was ahead of his time in understanding the value of philanthropy. The Elks Children’s Eye Clinic at Casey Eye Institute, the nation’s first pediatric eye clinic in an academic setting, continues to provide care for children’s visual problems. Working with the leaders of the Oregon Elks, Dr. Swan created the Elks Youth Eyes Service, to support the clinic. Today this foundation has assets of nearly $50 million. Dr. Swan was also instrumental in helping raise more than $31 million toward construction of Casey Eye Institute at Oregon Health & Science University, and in bringing in the lead gift of $7.3 million to honor the founders of United Parcel Service, James and George Casey. Dr. Swan continued to help raise money for Casey Eye Institute up to a few months before his death. A favorite saying was, “If there’s a will, there’s a way to get Casey Eye Institute into it.”

Dr. Swan received the Proctor Research Medal and the Howe Medal. He was also named as a Governor’s Scientist for the state of Oregon. For more than a decade, he took the “red-eye” to Washington, D.C., to serve on the national advisory councils of the National Eye Institute and the National Institute of Neurologic Disease and Blindness. He also served as president of the Association for Research in Vision and Ophthalmology (ARVO).

Dr. Swan is survived by three children: Stephen C. Swan, M.D., of San Diego, California; Kenneth R. Swan of Hubbard, Oregon; and Susan Gunter of Claremont, California. He and his wife also had five grandchildren.
The ONE HUNDRED AND FORTY-THIRD ANNUAL MEETING of the American Ophthalmological Society (AOS) was held at The Greenbrier, White Sulphur Springs, West Virginia, on May 20-23, 2007. There was a “Spotlight Session” on the Sunday afternoon May 20 prior to the start of the meeting to introduce all the new members elected to the AOS the prior year. Each new member presented a 10-minute summary of their thesis project as well as comments on their personal and professional life.

President John G. Clarkson MD called the opening session to order on Monday, May 21. The program began with the AOS-Knapp Symposium on Angiogenesis: From Concept to Clinic, as follows:

**SYMPOSIUM: FROM CONCEPT TO CLINIC**

3. “Unlocking the Mystery of Corneal Avascularity,” Balamurali Ambati MD
4. “Angiogenesis and Diabetic Retinopathy in 2007,” Neil M. Bressler, MD
5. “Medical Treatment for Retinopathy of Prematurity: Bench to Bedside,” Lois E. H. Smith MD PhD
6. “Inflammation and Angiogenesis in Age-Related Macular Degeneration,” Jayakrishna Ambati MD

The Meeting was continued with the following scientific program:

2. "Customizing Selection Of IOL Asphericity Based On Pre-Existing Corneal Hoas", Douglas D. Koch MD and Li Wang MD PhD
3. "Chromosome 3 Analysis Of Uveal Melanoma Using Fine Needle Aspiration Biopsy At The Time Of Plaque Radiotherapy In 140 Consecutive Cases”, Carol L. Shields MD, Arupa Ganguly PhD, Miguel A. Materin MD, Luiz Teixeira MD, and Jerry A. Shields MD
4. "An Alternative Explanation For Observed Mortality Rates Due To Metastasis After Treatment Of Choroidal Melanomas Of Different Sizes", James J. Augsburger MD, Zélia M. Corrêa MD, and Nikolaos Trichopoulos MD
5. "Primary Acquired Melanosis Of The Conjunctiva In 311 Eyes", Jerry A. Shields MD, Carol L. Shields MD, Ralph C. Eagle, Jr. MD, Arman Mashayekhi MD, Brian P. Marr MD, Raquel Benavides MD, Archana Thangappan BS, and Laura Phan BS
6. "Plus Disease In Retinopathy Of Prematurity: An Analysis Of Diagnostic Performance" Michael F. Chiang MD, Rony Gelman MS, Lei Jiang BA, M. Elena Martinez-Perez PhD, Yunling E. Du PhD, and John T. Flynn MD

**EXECUTIVE SESSION, TUESDAY, MAY 23**

President John G. Clarkson MD, called to order the members-only Executive Session of the 143rd Annual Meeting of the American Ophthalmological Society at 7 AM. He appointed Dr Charles Wilkinson as the Parliamentarian.

A motion to approve of the minutes to the Executive Session of May 23, 2006, which were published in Volume CIV of the TRANSACTIONS OF THE AMERICAN OPHTHALMOLOGICAL SOCIETY, was made, seconded, and approved.

The following reports were submitted and approved.

**REPORT OF THE SECRETARY-TREASURER**

THOMAS J. LIESEGANG MD: The Society remains in excellent financial condition. The AOS funds are actively managed by Vanguard and, with the present favorable stock market, the AOS is doing well. The 3 sources of income for the AOS are membership dues, annual meeting registration fees, and investment income. The AOS continues to subsidize the meeting and the Transactions. The symposium is funded by the Knapp Fund. It is recommended that the dues remain the same. There are now 227 active members and 119 emeritus members. New members that have been accepted for membership were featured in the spotlight session on Sunday afternoon and they will be announced tonight at the banquet. There is now enhanced information on the AOS website, including information about membership, about the governance, and about several other AOS activities, including biosketches. All members are encouraged to submit a biosketch and photo.

JOHN G. CLARKSON MD: A motion was made, seconded, and approved to accept the report of the Secretary-Treasurer as submitted.

**REPORT OF THE COMMITTEE ON THESES**

HANS E. GROSSNIKLAUS MD: Mr. President, first I would like to thank thesis committee members, Drs. Kirk Wilhelmus and Susan Elner for the tremendous job they have done this year on this very important committee. There were 23 theses reviewed. Of these 23 theses, 18 were new submissions, 3 were first revisions, and 2 were second revisions. The thesis committee recommends 10 for acceptance, 8 for minor revision, and 5 for major revision. Of the new submissions, 7, 7, and 4 were recommended for acceptance,
minor, and major revisions, respectively. Of the first revisions, one each was recommended for acceptance, minor, and major revisions, and of the second revisions both were recommended for acceptance.

JOHN G. CLARKSON MD: A motion was made, seconded, and approved to accept the candidates whose theses were either judged acceptable either without or with minor revision. The candidates were as follows: Drs. Steven Newman, John Woog, David Parke II, Daniel Schaefer, Mark Terry, David Wallace, Edward Buckley, Michael Brodsky, Gary Holland, Reza Dana, Anne Coleman, Andrew Huang, Leonard Levin, James Reynolds, John Simon, Lawrence Tyschen, Jayne Weiss, and Steven Archer.

REPORT OF THE EDITOR

RICHARD K. PARRISH II, MD: I have recently assumed the responsibility of the editorship for the TRANSACTIONS. As you know, we are now in our second year of on-line publication. The suitability of the papers and theses for on-line publication with only minor editing has dramatically improved, in my opinion. This is largely the result of Tom Liesegang providing very specific guidelines for authors regarding the formatting details for preparation of the manuscripts and requiring the authors to conform to the AMA Manual of Style. There are many opportunities that we can seize upon going forward to further enhance communication among members of the Society. For example, the discussions, a vital part of the proceedings at our annual meeting are transcribed from oral presentations to a written format. We have an opportunity to discuss the possibility of archiving these discussions from the floor in real time, so all members might have access to hear oral discussions in the future. We all appreciate the outstanding presentations yesterday in the AOS-Knapp Symposium; unfortunately, that information will not be published in the TRANSACTIONS and will be lost forever. I propose that we consider actively discussing how to make this excellent opportunity to learn about new areas in ophthalmology more available to the membership. I look forward to working with everyone. It is obvious that the web-based format of the TRANSACTIONS has in no way diminished access of the membership to the scientific content of the meeting, and, in fact, I believe it has strengthened it.

REPORT OF THE COMMITTEE ON PROGRAMS

RICHARD MILLS MD: First to acknowledge my fellow Committee on Programs members, Marco Zarbin and Steve Feldon, and this year we were assisted by our secretary-treasurer, Tom Liesegang, because of a vacancy in the chain of committee and program members. The 2007 meeting statistics are as follows: 35 abstracts were received by the deadline, many on the deadline date, 24 abstracts were accepted as platform presentations, and 7 accepted poster offers. Four posters were withdrawn because the authors were unwilling to present their materials as posters. Our 2008 Knapp Symposium plans are well underway. The topic will be industry.
rants on the subject after the symposium. That effort will be led by Dr. Lee Jampol.

The disclosure of conflict of interest this year was quite cumbersome. Some authors had 5 opportunities to disclose their conflicts, all of them required. Next year we will require a single disclosure at the time of abstract submission for authors and at the time of the discussion invitation for the discussants. The primary author will be responsible for identifying and transmitting the disclosures on behalf of all secondary authors on paper. The disclosure will also be relevant and limited to the content of the presentation and not generic for issues that might not even be related.

Finally, it is clear that many of the members do not understand the new human subject rules for IRB approval. Many of us have been operating under the assumption that if you reported the results on only your own patients, viewed retrospectively, that somehow that investigation was exempt from IRB approval. That is no longer the case. In fact, if you even anonymously assemble groups of patients and wish to report on them, that does require an IRB approval. It is important that everyone understand that IRB approval will be required initially when an abstract is submitted. Any study involving patients, whether standard treatment was involved or not, or whether the patients were limited to those of the author or not, or regardless of whether the study is prospective or retrospective will require IRB approval. The IRBs do not generally wish to grant approval after the fact. This means that step one for any project ought to be obtaining the appropriate IRB approval. In many cases the approval process is fairly simple and standard, because you can request an expedited review for much of the research work that we all do. This does require an expense for those who are in private practice and they will need to use a private IRB, but these are the rules.

REPORT OF THE COMMITTEE ON MEMBERSHIP

JULIA HALLER MD: Committee Members: Julia A. Haller, MD, Penny Asbell, MD, Barrett Haik, MD, David J. Wilson, MD. The Membership Committee met in the fall of 2006 to consider the applications of 15 potential new members. We had reviewed all of the applications and letters of recommendation. Specific consideration was given to research activities and publications in peer-reviewed journals over the past 5 years, with regard to judging the applicant’s apparent capability of producing a suitable thesis. After spirited discussion, a final list of recommendations was prepared and sent to the Council for review at their Chicago meeting.

The Membership Committee discussed strategies for identifying and recruiting “the best and the brightest” to the AOS, with particular focus on younger, up and coming leaders. A decision was made to have each member recruit 3-5 ophthalmic leaders of character and integrity, and to provide support with nominating and seconding letters. We reconvened by conference call in the spring of 2007 to review our progress. All of us had identified and approached new candidates with limited success in terms of actual applications, although numerous promises were given in terms of considering applying at some point in the future.

Several common points were identified in discussion with potential applicants. These included having too many meetings, not having enough time to attend another meeting, the perception that the attendee receives more “bang for the buck” with participation in individual subspecialty societies, and not having enough time to prepare a “big thesis project.”

Dr. Penny Asbell suggested identifying specific advantages accruing to membership in the AOS and posting these on our website, as well as using them as “talking points” with potential members. With input from Dr. Liesgang, a draft was constructed by Dr. Asbell.

The Membership Committee would recommend to the Council that we brainstorm these and other initiatives and make a point of keeping in front of our membership the vital role they play in maintaining the vitality of our organization.

The following applications have been received for membership as of the 2007 Council meeting: Mary Elizabeth Hartnett nominated by Drs. Grossniklaus and Young; Jonathan E. Sears, nominated by Drs. Gutman and Aaberg; Scott Whitecup, nominated by Drs. Foster and Ryan; Jayakrishna Ambati, nominated by Drs. Mills and Gragoudas; Jay Pepose, nominated by Drs. Liesegang and Wilhelmus; Sophie Bakri, nominated by Drs. Pulido and Robertson; Natalie C. Kerr, nominated by Drs. Haik and Hamilton; and Jay L. Katz, nominated by Drs. Spaeth and Cantor.

The Committee on Membership assisted in assembling the last of the application requirements and letters of recommendation. Although this number is small, it is of very high quality and we anticipate that all will be suitable candidates and eminently qualified to produce superb theses.

REPORT OF THE ARCHIVIST/PHOTOGRAPHER

RALPH C. EAGLE JR MD: I was unable to attend the 2006 meeting at Half Moon Bay in California due to the illness of my wife Ewa, who passed away in early December. The Society hired professional photographer, Trevor Ingraham, who took 231 photos of the meeting. Seven of these were included as color illustrations in the 2006 on-line volume of the TRANSACTIONS OF THE AMERICAN OPHTHALMOLOGICAL SOCIETY. These included photos of President Daniel M. Albert, MD and his wife Eleanor, two photos of Lucien Howe Medalist, Mathew Davis, and group photos of the Council and new members. New member Hermann Schubert also is shown signing the AOS book. The digital archives of the Society now comprise more than 2971 digital photographs stored on CDs. PowerPoint presentations in PDF formation of meeting photos from 1996 through 2003 currently can be viewed on the AOS website. Similar presentations of the 2004, 2005, and 2006 meetings have been completed and soon will be posted on the website. These files are quite large and require a high-speed connection for downloading and viewing.

JOHN G. CLARKSON MD: Thank you. Ralph does a wonderful job and as he goes about taking photographs, I would like to ask all members to thank him. This is a thankless job and he does it wonderfully, but he did not know that this was for life.
A motion was made, seconded, and approved to accept the reports of the Editor, Committee on Programs, Committee on Membership, including those who were invited to submit theses, and Archivist/Photographer after the following discussion.

EVELYN A. PAYSSE MD: Just about the thesis committee. I am wondering if we should think about reorganizing the way that we do our thesis evaluation in view of the complexity of all of our subspecialties. This could be more like having the committee function as an editorial board of a journal whereby the committee receives the theses submitted and then forwards them to members of the Society who are experts on that topic. Their reviews come back to the committee which then oversees the final decision. I think things are too complicated to have only three or four members on that committee really adequately evaluate these theses.

JOHN G. CLARKSON MD: Thank you for your comment. I would like to ask Dr. Grossniklaus to come forward to comment, but you should understand that the Committee on Theses currently has that option. They can refer out any thesis for outside review should they feel they do not have the expertise on the committee. Dr. Grossniklaus.

HANS GROSSNIKLAUS MD: Yes, I would like to echo Dr. Clarkson’s comments. We are able to ask experts in the field for their opinions and advice regarding the evaluation of theses. This is already an option. Another issue is the reviewers’ knowledge of the composition, strategic plan, and goals of the AOS when evaluating the theses. This is also a very time consuming process. Evaluating a thesis is almost like almost reviewing an NIH grant, so it is more comparable to being on study section, rather than on an editorial board. We actually organized the Committee on Theses to have a primary reviewer, a secondary reviewer, and a reader. The process works well and I believe that the key is having the proper mix of people on the committee. Thank you for your comments.

REPORT OF THE COMMITTEE ON EMERITI

ROBERT C. DREWS MD: According to our constitution, any Active Member who has been a member for 25 years, or is 70 years of age, or has completely retired from active practice or from gainful occupation may, upon written request, become an Emeritus Member of the Society, subject to the recommendation of the Council and the affirmative vote of three quarters of the members present at the Executive Session of an Annual Meeting. Currently we have 119 Emeritus Members. Six of our Active Members have requested Emeritus status in 2007:

<table>
<thead>
<tr>
<th>NAME</th>
<th>JOINED</th>
<th>MEETS CRITERIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daniel Albert</td>
<td>1979</td>
<td>71 years old + member &gt;25 yrs</td>
</tr>
<tr>
<td>D. Jackson Coleman</td>
<td>1986</td>
<td>73 years old</td>
</tr>
<tr>
<td>Froncie Gutman</td>
<td>1979</td>
<td>73 years old + member &gt;25 yrs</td>
</tr>
<tr>
<td>Stanley S. Schocket</td>
<td>1986</td>
<td>72 years old</td>
</tr>
<tr>
<td>Gil Smolin</td>
<td>1983</td>
<td>71 years old</td>
</tr>
<tr>
<td>Michael Van Buskirk</td>
<td>1988</td>
<td>65 years old + retired from practice</td>
</tr>
</tbody>
</table>

The Emeritus Members and their guests will have their traditional luncheon today, May 22, at noon.

JOHN CLARKSON MD: May I ask the membership to stand for a moment of silence in respect of our dear friends and colleagues.

A motion was made, seconded, and approved to accept the report recommending Daniel Albert, Jackson Coleman, Froncie Gutman, Stanley Shocket, Gil Smolin and Michael Van Buskirk, for emeritus membership status.

REPORT OF THE REPRESENTATIVE TO THE PAN AMERICAN ASSOCIATION OF OPHTHALMOLOGY

SUZANNE VÉRONNEAU TROUTMAN MD: No report

REPORT OF THE REPRESENTATIVE TO THE AMERICAN COLLEGE OF SURGEONS

MALCOLM MAZOW MD: The ACS meetings have continued with the annual meeting in Chicago in 2006. There was also a meeting of the Ophthalmological section at the ACS at the mid-year forum and a council meeting for the Academy of Ophthalmology in April, 2007. The issues related to ophthalmology are the lack of membership in the American College of Surgeons. Only 4000 of the roughly 7000 ophthalmologists in the country are members of the ACS. The question has arisen as to what advantages the ACS provides for ophthalmologists that the American Academy of Ophthalmology presently does not offer. The ACS has recently procured a building in Washington, D. C., with the idea of moving their office to this new building along with all the other sub-specialties. This is fine, but ophthalmology has a long-term lease on a building in Washington, D. C., and at the present time is not
JOHN F. O’NEILL MD: The Council of the American Academy of Ophthalmology (AAO) continues to meet in formal session twice yearly, first during the annual Academy meeting in the fall and then jointly at the Mid-year Forum in Washington in April. The Council was established to provide liaison between the AAO Board of Trustees and the numerous member societies involved with ophthalmology.

The current Council consists of voting representatives of all fifty states and includes Puerto Rico and the District of Columbia. Twenty-seven Sub-Specialty societies have equal representation; however, the five “Special Interest Societies” which include the Councilors, AOS, ARVO, ABO, EBAA (Eye Bank Association) and the Canadian Ophthalmological Society have Associate Non-voting representatives before proceeding to Capitol Hill and the offices of their personal representatives in the House and Senate. During the Mid-Year Forum and Council meeting, several recurring problems continue to take precedence: A top priority is the persisting efforts of organized Optometry to use the legislative route to expand their scope of practice to include invasive surgical procedures, both Laser and scalpel procedures, a variety of injection procedures including Botox, fluorescein angiography, other intravenous injections ready to relinquish this lease. The ACS offers a unity among all the surgical sub-specialty groups so they may speak with one voice in the government for the betterment of surgical medicine in this country. The ACS has investment programs that have been successful for fellows of the ACS, and of which ophthalmologists could take advantage. The Chair and committee of the Ophthalmology section of the ACS are concerned about the lack of programs during the annual meeting of the ACS for ophthalmologists. This past year in Chicago there was a symposium regarding what happened when a patient awakened from surgery and he could not see, but the surgery was non-ophtalmological. It is felt that in order to entice new ophthalmic fellows to the ACS that it would be better to offer programs at the annual meetings which would allow the ophthalmologists to get constructive education, as well as continuing education credit for the meeting. This discussion is ongoing and will continue.

REPORT OF THE REPRESENTATIVES TO THE AMERICAN ORTHOPTIC COUNCIL
EDWARD L. RAAB MD: Our society’s representatives continue to be Drs. Thomas France, Edward Raab, and David Weakley. As stated on prior occasions, this continuity contributes valuably to the mission of the AOC to promote and oversee the profession of orthoptics.

All of our representatives have been involved in the Council governance. Drs. France and Raab are Past Presidents of the Council. Dr. Weakley presently is Secretary-Treasurer. All are active on Council committees as well, and as examiners of candidates for certification. One of us is designated annually to serve on the Nominating Committee.

Dr. France continues as Editor of the American Orthoptic Journal, chairs the Ad Hoc International Committee, and serves on the Accreditation, Bylaws, Program, and Public Relations Committees, and is the representative to the Canadian Orthoptic Council.

Dr. Raab is Chair of the Bylaws Committee and a member of the Accreditation, Ethics, Ad Hoc International, and Ad Hoc Pathway Options Committees.

Dr. Weakley is Chair of the Accreditation and Ad Hoc Finance Committees, and a member of the Editorial, Examination, Program, and Ad Hoc Pathway Options Committees.

As described in last year’s report, the Council’s efforts in describing and defining the scope of orthoptics, in exploring the medicolegal and anticompetitive conduct issues pertinent to orthoptic practice, and in effective recruiting of orthoptic candidates are ongoing. We continue to work toward recognition of the American Orthoptic Journal by Medline.

Orthoptologist and Orthoptist Members of the Council, with Dr. Raab as one of the panelists, gave a workshop “Enhancing Strabismus Surgical Success” at the Annual Meeting of the American Association for Pediatric Ophthalmology and Strabismus. This has become a regular component of the AAPOS meeting program, and serves as an excellent demonstration of the value of orthoptists as members of an orthoptology practice’s staff. The Council now holds a semi-annual business meeting at this event, taking advantage of the presence of many of its members to facilitate Council activities during the year.

The 2007 Academy meeting will include a symposium co-sponsored by the Academy, the Council, and the American Association of Certified Orthoptists entitled “Standard Care and Controversies in the Treatment of Adult Strabismus.” Manuscripts from these presentations are graciously allotted by the Academy to the American Orthoptic Journal.

There currently are 11 Council-approved training programs. Ten graduating students are expected to take their certifying examinations this year. The Council encourages the development of additional programs attempts to recruit new Council members who are likely to assist in this effort in their regions. Monitoring of students’ training experience has been facilitated by institution of an electronic log book.

The Society’s representatives have enjoyed their ongoing service on the AOC and recommend continuing support of this important eye care component.

REPORT OF THE REPRESENTATIVE TO THE COUNCIL OF THE AMERICAN ACADEMY OF OPHTHALMOLOGY
JOHN F. O’NEILL MD: The Council of the American Academy of Ophthalmology (AAO) continues to meet in formal session twice yearly, first during the annual Academy meeting in the fall and then jointly at the Mid-year Forum in Washington in April. The Council was established to provide liaison between the AAO Board of Trustees and the numerous member societies involved with socioeconomic, governmental and public service issues.

The current Council consists of voting representatives of all fifty states and includes Puerto Rico and the District of Columbia. Twenty-seven Sub-Specialty societies have equal representation; however, the five “Special Interest Societies” which include the AOS, ARVO, ABO, EBAA (Eye Bank Association) and the Canadian Ophthalmological Society have Associate Non-voting Councilors.

Since its founding in 1864 the objective of the AOS has been “the advancement of ophtalmic Science and art”, and its activities are primarily for the academic, educational and collegial benefit of its members. Although the AOS maintains no political or economic agenda, participation in the Council reflects its broad support for the Academy’s mission, as does the generous support of the AOS for the AAO Surgical Scope Fund.

As in previous years, the AAO has sponsored and promoted a Congressional Advocacy Day during which a great number of members were briefed on the Academy’s top legislative priorities and counseled on relationship building with their congressional representatives before proceeding to Capitol Hill and the offices of their personal representatives in the House and Senate. During the Mid-Year Forum and Council meeting, several recurring problems continue to take precedence: A top priority is the persisting efforts of organized Optometry to use the legislative route to expand their scope of practice to include invasive surgical procedures, both Laser and scalpel procedures, a variety of injection procedures including Botox, fluorescein angiography, other intravenous injections...
and local anesthetics. States currently seeking legislative action include New Mexico, Texas, California and Alaska. The Academy Board and Council strongly emphasize the importance of all members continuing to support the Surgical Scope Fund to counteract the optometric legislative maneuvers.

The second major concern is the on-going and increasing federal commitment to reduce physician’s reimbursement. The Academy has been vigilant and diligent in monitoring the governmental programs, but report that current federal projections may result in fee cut reductions as high as 35% between 2007 and 2012. Every possible action is being taken to protect ophthalmology rights and benefits. Congress has also expressed an interest in encouraging and possibly requiring the use of electronic medical record keeping simplifying Medicare Administration.

Ophthalmology is fortunate to have an Academy and Council to monitor and address the many pressures on our respected field in medicine.

REPORT OF THE CHAIR OF THE COUNCIL

TRAVIS A. MEREDITH MD: During the past year the Council performed a survey of the membership to determine some aspects of the wishes of the membership regarding the meeting, in particular. The survey was responded to by almost 35% or 40% of the active members and a number of emeritus members, also. We have had some open debate on the floor about what the nature of the society is. The survey confirmed that this society is valued by the members both for the collegiality, because many people come for their friends, and secondly for the scientific meeting which is also just as strong a pull for the members to attend the meeting. The new Knapp Symposium has been very well received according to the membership and the spotlight session for new members, which was held yesterday, has also been well received. In polling the members about their choices about the best format for the meeting, the favorite of the possible rotational schemes proved to be an east, central, and west rotation on a three year basis followed by two years in the east and one year in the west. The second issue that we looked at was what days of the week might the meeting be the most popular. There has been some increasing concern that both weekend days might be better utilized for the meeting and many people prefer the meeting format that ends either on Sunday or on Monday and begins earlier at the end of the previous week. In responding to both of these preferences, the meeting planning committee will take this information into account in planning the upcoming meetings. Next year a central/west location has been chosen and the meeting will start on a Friday and end on a Monday which is Memorial Day, so this will mean less time out of the office. We will see how this works and solicit membership feedback so that this information can be taken into account in planning future meetings.

The second part of my report is to read the names of those people recommended for officers in the coming year. The recommendation for president-elect is Susan Day, for secretary-treasurer, Tom Liesegang to continue; for chair of the new members committee, Jay Erie to continue; for athletic director, Woody Van Meter to continue; for archivist photographer, Ralph Eagle to continue for life; for representative to the AAO council, John O’Neill to continue with alternate, Tom Liesegang; for representative to International Federation of Ophthalmic Societies, Bruce Spivey to continue; for representative to the Board of Governors of the American Orthoptic Council, Malcolm Mazow and alternate, Bill Mieler, to continue; and for representative to the Pan American Association of Ophthalmology, Susan Veronneau-Troutman to continue. This concludes my report.

It is now my privilege to announce Council Chair appointments for 2007-2008:

ATHLETIC DIRECTOR
Dr Woodford Van Meter

COMMITTEE ON PUBLICATIONS
Dr Richard K. Parrish II, Chair
Dr Thomas J. Liesegang

ARCHIVIST/PHOTOGRAPHER
Dr Ralph Eagle

AAO COUNCIL REPRESENTATIVE
Dr John F. O’Neill
Dr Thomas J. Liesegang, Alternate

INTERNATIONAL FEDERATION OF OPHTHALMIC SOCIETIES REPRESENTATIVE
Dr Bruce Spivey

BOARD OF GOVERNORS OF THE AMERICAN COLLEGE OF SURGEONS REPRESENTATIVE
Dr Malcom Mazow
Dr William Mieler, Alternate

PAN AMERICAN ASSOCIATION OF OPHTHALMOLOGY REPRESENTATIVE
Dr Suzanne Véronneau-Troutman

JOHN G. CLARKSON MD: I would like a motion from the floor to accept the report of the Chair of the Council. Is there a second? Is there any discussion? All in favor signify by saying “Aye”, “opposed”? The motion is approved. The reports of several committees,
athletics and prizes and other committee reports will be made this evening at the banquet and will be included in the minutes of the meeting in the TRANSACTIONS.

REPORT OF THE PRESIDENT

It is now time for me to make my report and that consists primarily of the appointments of Hans Grossniklaus to serve on the AOS Council; Bob Drews to continue as chair of the Committee on Emeriti, Daniel Albert to join the Committee on Prizes with Denny Robertson and Doug Anderson; Don Minckler to join the Committee on Theses as a new member, Rich Abbott to serve on the Committee on Programs, Jose Pulido to join the Committee on Membership; Tom France, Ed Raab, and David Weakley to continue to serve as representatives to the American Orthoptic Council; and Ed Wilson to continue to serve as representatives to JCAHPO. The new appointments are listed with an asterisk:

COUNCIL OF THE AOS
Dr George B. Bartley, Chair
Dr Lee M. Jampol
Dr Douglas D. Koch
Dr Marilyn Mets
Dr Hans Grossniklaus*

COMMITTEE ON EMERITI
Dr Robert Drews, Chair

COMMITTEE ON PRIZES
Dr Dennis M. Robertson, Chair
Dr Douglas Anderson
Dr Daniel Albert*

COMMITTEE ON THESES
Dr Kirk R. Wilhelmus
Dr Susan Elner
Dr Don Minckler*

COMMITTEE ON PROGRAMS
Dr Richard P. Mills, Chair
Dr Marco A. Zarbin
Dr Steve Feldon
Dr Richard Abbott*

COMMITTEE ON MEMBERSHIP
Dr Barrett G. Haik, Chair
Dr David J. Wilson
Dr Penny Asbell
Dr Jose Pulido*

AMERICAN ORTHOPTIC COUNCIL REPRESENTATIVES
Dr Edward L. Raab
Dr David R. Weakley, Jr.
Dr Thomas D. France

JCAHPO REPRESENTATIVE
Dr M. Edward Wilson

I would like to call on once again on Travis Meredith for some new business and to begin the discussion and if there are any others, obviously it will follow.

TRAVIS A. MEREDITH MD: The Council has been considering ways to continue to strengthen the membership in the organization and two issues have come to the floor. One is to look at ways to more actively involve the members in the selection of the governing representatives and officers of the society, and a second was a wish to possibly seek ways to improve and strengthen the duties of the president of the organization. At this juncture the president's function is very strong with the annual meeting, but in between the annual meeting and the next annual meeting, the council runs most of the business, so we have appointed a committee to look at changes and structure to recommend to the membership. That committee consisted of the current president, Dr. Clarkson; the president-elect, Dr. Danny Jones; secretary-treasurer, Tom Liesegang; and the upcoming chair of the council, George Bartley. I will call upon Dr. Liesegang to give a report.
THOMAS J. LIESEGANG MD: Our committee met several times by phone and by email over the last several months to iron out this new government structure we are suggesting. The aim is to make the society and the governance of the society more active, transparent, and contemporary with other societies and to include more involvement by the members in the governance and selection of the individuals to serve the society. So we want member participation in the selection of the council, the president and committee members. On the left hand side is the current structure of the governance. We have a president, president elect, a council chair, four members of council, a secretary-treasurer, and an editor. We are suggesting a new council as listed on the right, which includes, a president, four council members, an executive vice president, and an editor. Frequent at these council meetings, because of their importance, are certain committee members who are invited as guests, and sometimes permanent guests, such as the committee on membership and the committee on programs, since they are so vital in our future. Under this scenario the council member who is most senior who is serving in his fourth year would be in effect the president-elect. We are also suggesting a nominating committee for this single council position each year. The president would assign a nominating committee. We are suggesting it consists of the member of council in the third year of service, a member at large who has been a member of the AOS at least five years, and a prior council member or officer. Members under this scenario may volunteer for this position or be nominated by others for the position to this nominating committee. The committee recommends two individuals to the council and the council evaluates the biosketch and summary of the fitness for the position and then selects the individual. Then the members are approved at the executive session. We are also offering the opportunity for individuals to volunteer for a specific committee assignment or for any committee. You would indicate your name to the president who would accumulate the names, and the council would consider the names and select the individual to serve on the committee. The members would be approved at the executive session. Some of the nuances of this process would mean that we would continue under the present bylaws until the bylaws are changed. It will take at least one full year to go through the process of rewriting the bylaws, submitting them to membership for approval, and then final approval in the next executive session one year from now. The council member advances each year and then finally becomes your president, as I have already mentioned. Currently we really have not had written job descriptions for each of the committee positions and we will have written job descriptions for the major committees. If you are interested in volunteering or if someone wishes to nominate you, you will have a better understanding of what the position requires. Certainly the new bylaws will describe the process by which any vacancies that might occur would be filled under unforeseen circumstances. The motion or proposal is to accept a new governance structure nomination process for the AOS in keeping with a more open and participatory process by the AOS members and to proceed with bylaws changes which are necessary before implementation. Just to remind you, members will have the opportunity to comment again. When the bylaws have been formally proposed, you will see these ahead of time and there will be a comment period. We will have to later vote on them, possibly at the next executive session one year from now.

JOHN G. CLARKSON MD: The Council Motion to the membership: To accept the proposal for the new government structure for the AOS, in keeping with a more open and participatory process by AOS members, and to direct the Council to proceed with the bylaws changes that will be required for implementation. This comes with the unanimous endorsement of the Council. I would like to have a motion for acceptance and a second so we can discuss it. The motion has been moved and seconded for discussion.

BRUCE E. SPIVEY MD: I am not speaking against the motion, but I wonder what will be the opportunity for an editor who has served for many years in a distinguished way. We will not mention Dr. Liesegang and not personalize the matter, but what is the opportunity for that individual to become president? I see the logic and I see the flow, but I also see that it limits individuals who might have contributed substantially to the organization from being recognized as president.

WILLIAM S. TASMAN MD: My concern is the same as that of Bruce. I would add that it used to be an unwritten rule about the editor becoming president. I appreciate what you are doing and I think it is great, but one of the perquisites of being editor was that eventually they would become president. I understand that two positions are now being eliminated from the possibility of rising to the office of president.

GEORGE L. SPAETH MD: If I understood correctly, there is a succession in the Council so that the only person who can become president are those who are elected. Sometimes it is nice to have on a committee people who you know are really not appropriate to be the head of that committee. Sometimes people are contributors because of their maverick positions, but you might not want that person to become president, so you are eliminating that type of person from being on the Council. Thank you.

JOHN G. CLARKSON MD: Are there other points of discussion? Let me remind you that this proposal is being introduced today and the bylaw changes will be formulated. If approved today, then there will be a full and open discussion of all bylaw change issues. By the way, every point that was made today had been discussed by the Council. These concerns are valid, and the proposal would preclude two of the hardest working people in this organization, the secretary-treasurer and the TRANSACTIONS editor, by position from becoming present. In a sense, the rising or the senior council member would be president. This bylaw change proposal would reflect more accurately the current situation in the Council which runs the organization.

ROBERT C. DREWS MD: Just a point of information. It is not clear in my mind, although more than one person could be nominated to the Council and therefore ultimately as president, only one person will be presented to the members for vote.

JOHN G. CLARKSON MD: Yes.

DENIS M. O’DAY MD: If I understood correctly, it is possible in an unforeseen circumstance for a person to be appointed to the Council and to become president who has actually never been elected to the Council. Is that possible?
JOHN G. CLARKSON MD: The answer to your question, is it possible in unforeseen circumstances for someone to be appointed to the Council without being elected, is “yes”.

THOMAS J. LIESEGANG MD: We really have not discussed this specific point, but assume that in unforeseen circumstances the Council would appoint someone to serve. We would like to have the process for election of that individual in place ahead of time, but in unforeseen circumstances the Council would take the responsibility of filling the position. We will try whenever possible to have election for that one position.

JOHN G. CLARKSON MD: Is there any other discussion? The motion is to move forward with the process of changing the bylaws and to have a full discussion of the changes, which will then come back to the membership for approval. As I understand it, this would require a 2/3 majority of the vote for change. Seeing no further discussion, I call for the vote. All in favor of the motion, signify by saying “Aye”, “Opposed”? The “Ayes” have it from my point of view. Mr. Parliamentarian, do you want a count? Could I see a show of hands? All in favor of the motion signify by raising your hands. All opposed, please raise your hands. The Ayes have it. Thank you very much. Unless there is further business, I declare this executive session of the 143rd meeting of the American Ophthalmological Society in recess. I am sorry, we have a late discussant.

IRENE MAUNENEE MD: Nothing to do with the previous issue. I just wanted to know why there could not be a change made in the general policy so that if a spouse dies, which most of the time is the husband, the wife could be invited for several meetings. Wives usually play an integral role in the society and they are cut off after the death of the husband.

JOHN G. CLARKSON MD: Wonderful suggestion, thank you very much. I think we should take that under advisement. That would be a very nice thing to do. The 143rd executive meeting of the American Ophthalmological Society is declared in recess until the evening banquet. Thank you very much. We appreciate your coming at this early hour and hope it does enhance the enjoyment of your afternoon activities.

SCIENTIFIC SESSION, TUESDAY, MAY 22

The Meeting Continued with The Following Scientific papers:

7. "An Age-Based Method For Planning Sclerotomy Placement During Pediatric Vitrectomy: A Twelve Year Experience", Craig A. Lemley MD and Dennis P. Han MD
8. "Human HtrA1 In The Eyes With Age-Related Macular Degeneration", Chi-Chao Chan MD, Defen Shen PhD, Min Zhou MD, Robert I. Ross BS, W. Richard Green MD, and Zingsheng Tuo PhD
12. "Computer Based Primary Visual Cortex Training For Treatment Of Low Myopia And Early Presbyopia", Daniel S. Durrie MD
13. "Giant Cell Arteritis… Suddenly", Brian R. Younge MD
15. "Acquired Oculomotor Apraxia From Brainstem Lesions ", Robert D. Yee, MD, and Valerie A. Purvin MD
17. "Fundus Autofluorescence In Choroidal Melanocytic Lesions And Changes After Treatment", Kaan Gunduz MD, Jose S. Pulido MD, Sophie J. Bakri MD, Luís Amselem MD, Elisabeth Petit-Fond BS, and Thomas Link CRA

TUESDAY EVENING BANQUET, MAY 22

TRAVIS A. MEREDITH MD, CHAIR OF THE COUNCIL: Good evening. On behalf of the Council I would like to welcome you all to the dinner to honor President John Clarkson and his lovely wife. We are glad that everyone is here. We have a nice evening planned and I look forward to being with you. Enjoy.

(After dinner) If I could have your attention, please, we have a few formal things to do this evening. There are many pleasures in being a part of the AOS, but I think that for me one of the greatest pleasures is to introduce our president, Dr. John Clarkson. I have had the pleasure of knowing Dr. Clarkson since I was a resident and he arrived as a fellow at Wilmer from the Bascom Palmer Eye Institute. It was clear in those days that John Clarkson was marked for greatness. After finishing his fellowship at Wilmer, he returned to Bascom Palmer where he joined the surgical group and was instrumental in working with Robert Machemer and the group
there that led to the development of vitrectomy. Furthermore, he also instituted early in his career an interest in clinical trials and was the co-leader of a clinical trial that established the treatment of vein occlusions that persist to this day as our guide for the management of these ocular disorders. After several years he rose rapidly through the ranks to become professor and then took over, as we all know, as the chairman of the Bascom Palmer Eye Institute. His talents were clear as an administrator and it was not long until he was plucked from that position to become dean at the University of Miami School of Medicine, where he served for ten years. He has now moved on to a new challenge as the head of the American Board of Ophthalmology as its executive director. This would be an impressive resume for anyone, but we would often think that such a busy person would have no time for any of us. One of the remarkable things about John is that he has time for everyone and he is the kind of person that we all want to spend time with. I would like you to join me in welcoming our president, an accomplished surgeon, a fantastic investigator, a skilled leader of one of the foremost institutes of the world, an accomplished dean, and now a leader of our foremost educational group, the American Board of Ophthalmology, and most importantly for those of here tonight, one who has given the AOS eight wonderful years of leadership, throughout his career with the AOS. Please join me in welcoming Dr. John Clarkson.

JOHN G. CLARKSON MD, PRESIDENT: Thank you very much. What a pleasure and privilege it has been to work with Travis. We actually hate to interrupt the good time that everyone is having this evening, but we do need to conduct some business. Officially I need to reconvene the 143rd meeting of the American Ophthalmological Society. For the first order of business I would like to call Travis back to the microphone where as Click and Clack the Tappet Brothers, Travis and I will lead a special presentation.

TRAVIS A. MEREDITH MD, CHAIR OF THE COUNCIL: This person is someone who I have known longer than John. When I was working at the Wilmer Institute as a student I was made aware of the junior resident on the David Paton Service, and they said that he worked really very well. Subsequently, Dr. Pat Wilkinson has gone on to become a professor at Hopkins, after his stint in Oklahoma. He has been the chair at the Greater Baltimore Medical Center for seventeen years. More importantly for us at the AOS, he served for eight years as the Secretary-Treasurer and has done a fabulous job of leading this organization and changing the way that things were done in a gentle and wise way to lead us to where we are today. We have a resolution for Pat that John and I are going to read like Click and Clack, although maybe not quite as humorously.

RESOLUTION
AMERICAN OPHTHALMOLOGICAL SOCIETY
WHEREAS, he has been an effective ambassador for the Society both nationally and internationally, and
WHEREAS, he has been a steadfast and diligent initiator and supporter of all Society activities, and
WHEREAS, he has improved the financial and structural status of the Society, and
WHEREAS, his warm and professional demeanor make his parents, wife, and children, the Society, and profession proud, and
WHEREAS, the American Academy of Ophthalmology has acknowledged the Society for Presidential training, and
WHEREAS, he has kindly allowed the Society and members to enjoy the presence of his gracious and engaging wife, Alice, at the Annual Meetings, and
WHEREAS, he has unselfishly and regularly yielded the annual golf trophy to other more accomplished members of the Society, and
WHEREAS, he has lost his hair during the administration of the Society, now therefore be it
RESOLVED, that the Council and Officers, members, and staff of the American Ophthalmological Society acknowledge their sincere debt of gratitude to Charles “Pat” Wilkinson MD for his services as Secretary-Treasurer of the American Ophthalmological Society from 1998-2006.

JOHN G. CLARKSON MD, PRESIDENT: You know, events like this do not come together by chance and I want to acknowledge the individuals behind the scenes tonight, Lisa Brown and her associate, Michael Paulos, who you know very well. Lisa does just a magnificent job of quietly keeping us all in line and all the spouses out there, even though that is not such an easy thing to do. We really appreciate the effort on the part of both of you. You know, 43 years ago, our group met here. By the way, I want to thank Travis for another item. It was Travis who suggested that we come to the Greenbrier. He is a local West Virginia boy and I am sure that if Dick Green were here, it would not take Dick and Denny Robertson any encouragement at all to be singing that John Denver song. I already heard Denny get started so I am sure we have a treat coming. But anyway, 43 years ago, one among us was a guest at the 100th meeting of the American Ophthalmological Society. This is an individual who has attended 38 consecutive meetings. I asked his wife to tell me how old he is, because he has a birthday in two days, and she gave me a range, and the range was from 70 to 90, and I did not know whether to take the average. I would like you to join me, and the band is gone so you will have to depend on me, in singing Happy Birthday to Bob Welch. We do have some other business to conduct and I would like to call on Dr. Jay Erie to provide the report on the new members.
REPORT OF THE COMMITTEE ON NEW MEMBERS

JAY ERIE MD: It is my pleasure to introduce a great group of ophthalmologists as new members to the AOS. Tonight we welcome 13 members who were elected in 2006 and one member who was elected in 2005. Two new members are not present tonight, John Morrison, MD and his wife Dr. Lynne Morrison, from Portland, Oregon, who were unable to attend, and Dr. Mark Sherwood and his wife, Ruth, who were here and participated in the meeting, but had to leave earlier today. Before I introduce the new members individually, I would like to say a few words about the group in general. First, where are the new members from? In trying to avoid the political colors of Blue and Red States, you will see that geographically the new members represent the breadth of the United States. This is a large class, but is this the largest class? I looked back through the TRANSACTIONS, in the past 26 years and I found that the answer is, almost. It so happens that they are just one short of being the largest class in the last 26 years and that distinction goes to a meeting in 1984. Just for fun, I put up the names of the members of the 1984 class and just like so many AOS classes, I am sure that this is a Who’s Who in ophthalmology. It just so happens that three members of that class are at this week’s meeting and are actively involved in presentations and posters and serving as opening discussants: Bill Bourne, John Bullock, and John Flynn. This year’s class may not be the largest, but they are very talented, and as a group have over 850 peer reviewed publications. They include three former and current department chairs, six named chairs, ten full professors, and the list goes on and on and on. I encourage everyone to look at the biosketch of the new members on the AOS web-site, which does such a great job describing the new members. Not only are they very successful professionally, they are well rounded athletically and socially. Outside interests include surfing, sailing their own boat in the Gulf of Mexico, skiing and snowboarding in their own backyard on Mt. Hood or in the Rockies, long distance cycling, flying their own plane, fly fishing in western Montana, nurturing their vineyards, fine woodworking, and playing trombone in jazz and Dixie bands. As I introduce the new members, I ask you and your spouse to stand and remain standing until everyone has been introduced. We also ask the audience to withhold their applause until the very end and then we will give them the welcome they deserve. I asked the new members to send me a photo of their families to introduce them so we will put that up at the same time. First new member

Dr. Dimitri T. Azar and his wife, Dr. Nathalie Azar, from Chicago, IL; Dr. Bradley C. Black and his wife, Cindy, from Baton Rouge, LA; Dr. Preston Blomquist, and his wife, Mary, from Dallas, TX; Dr. Emily Y. Chew (elected 2005) and her husband, Dr. Robert Murphy, from Bethesda, MD; Dr. James Chodosh and his wife, Abigail, from Oklahoma City, OK; Dr. Daniel S. Durrie and his wife, Anne, from Overland Park, KS; Dr. Henry Gelender and his wife, Daryl, from Dallas, TX; Dr. David A. Johnson and his wife, Patricia, from Wilmington, NC; Dr. Shalesh Kaushal and his wife, Sonal, from Gainesville, FL; Dr. Stephen D. McLeod and his wife, Marion, from San Francisco, CA; Dr. Rand Spencer and his wife, Sherry, from Dallas, TX; and Dr. Tim Stout, and his wife, Dr. Anne Stout, from Portland, OR

JOHN G. CLARKSON MD, PRESIDENT: Thank you, Jay, and welcome all. It is an impressive new class. Now I would like to call on Woodford Van Meter, Woody, for the report on the Committee on Athletics.

NEW MEMBERS – 2007 MEETING. BACK ROW - FROM LEFT: PRESTON BLOMQUIST, RAND SPENCER, HENRY GELENDER, MARK SHERWOOD, STEPHEN MCLEOD, SHALESH KAUSHAL, DANIEL DURRIE, BRADLEY BLACK, TIM STOUT, DAVID JOHNSON; FRONT ROW - FROM LEFT: JAMES CHODOSH, EMILY CHEW, DIMITRI AZAR.
REPORT OF THE COMMITTEE ON ATHLETICS

WOODFORD VAN METER MD: The many hours on the recruiting trail has paid off in spades this year. More people signed up for athletic events and activities than in the last ten years, as I can remember. We also have a number of new names on the trophies. The trophies that we have are an integral part of the AOS structure. They allow new and old members with their spouses to meet in a collegial and friendly competition. The trophies with the names of past winners engraved on them go back 30 or 40 years and connect us with the illustrious past of this Society. I would like to have the recipients stay in their seats and come up to receive their trophies afterwards, so we can run through all of them. Please hold your applause until all have been recognized.

<table>
<thead>
<tr>
<th>EVENT</th>
<th>TROPHY</th>
<th>CATEGORY</th>
<th>WINNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOLF</td>
<td>Mishima-Michels Trophy</td>
<td>Men’s Low Gross</td>
<td>Verinder Nirankari</td>
</tr>
<tr>
<td></td>
<td>Canada-McCullough Cup</td>
<td>Men’s Low Net</td>
<td>Bob Sergott</td>
</tr>
<tr>
<td></td>
<td>Truhlsen Trophy</td>
<td>Men’s Senior Low Gross</td>
<td>Taylor Asbury</td>
</tr>
<tr>
<td></td>
<td>Knapp Memorial Trophy</td>
<td>Men’s Low Net Team</td>
<td>Daniel Durrie, David Tse</td>
</tr>
<tr>
<td></td>
<td>Ellsworth Trophy</td>
<td>Women’s Low Gross</td>
<td>Carolyn Lichter</td>
</tr>
<tr>
<td></td>
<td>Homestead-Calloway Cup</td>
<td>Women’s Low Net</td>
<td>Wendy Robin</td>
</tr>
</tbody>
</table>

GOLF UNOFFICIAL DUBIOUS AWARDS FROM ATHLETIC DIRECTOR:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>WINNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men Closest to Pin</td>
<td>Verinder Nirankari</td>
</tr>
<tr>
<td>Senior Closest to Pin</td>
<td>Taylor Asbury</td>
</tr>
<tr>
<td>Men Long Drive</td>
<td>Mylan Van Newkirk</td>
</tr>
<tr>
<td>Senior Long Drive</td>
<td>Paul Lichter</td>
</tr>
<tr>
<td>Women Closest to Pin</td>
<td>Wendy Robin</td>
</tr>
<tr>
<td>Senior Long Drive</td>
<td>Nancy Holekamp (NonMember)</td>
</tr>
</tbody>
</table>
Minutes of the Proceedings

MIXED SCRAMBLE

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>WINNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men Closest to Pin</td>
<td>David Berler</td>
</tr>
<tr>
<td>Women Closest to Pin</td>
<td>Miriam Ridley</td>
</tr>
</tbody>
</table>

EVENT TROPHY CATEGORY WINNER

<table>
<thead>
<tr>
<th>Event</th>
<th>Trophy</th>
<th>Category</th>
<th>Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENNIS</td>
<td>EVL Brown Bowl</td>
<td>Men’s Doubles</td>
<td>Gerhard Cibis</td>
</tr>
<tr>
<td></td>
<td>EVL Brown Trophy</td>
<td>Men’s Doubles Runner-up</td>
<td>Brian Young</td>
</tr>
<tr>
<td></td>
<td>Wilkinson-Michels Trophy</td>
<td>Men’s Senior Winner</td>
<td>Brian Han</td>
</tr>
<tr>
<td></td>
<td>Lewis-Perera Bowl</td>
<td>Women’s Doubles Winners</td>
<td>Deena Laties</td>
</tr>
<tr>
<td></td>
<td>Hughes Bowl</td>
<td>Women’s Doubles Runner-up</td>
<td>Betty Van Newkirk</td>
</tr>
<tr>
<td></td>
<td>Wong-MacDonald Trophy</td>
<td>Mixed Doubles Winners</td>
<td>William Jarrett June Wood</td>
</tr>
<tr>
<td></td>
<td>Wilson Trophy</td>
<td>Mixed Doubles Runner-up</td>
<td>Lou Cantor Deena Laties</td>
</tr>
</tbody>
</table>

SKEET SHOOTING

<table>
<thead>
<tr>
<th>Trophy</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wilson Trophy</td>
<td>Steven McLeod</td>
</tr>
</tbody>
</table>

FLYFISHING

<table>
<thead>
<tr>
<th>Trophy</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>McCaslin-Fralick-Kimura</td>
<td>Thomas France</td>
</tr>
<tr>
<td>Trophy</td>
<td>Mylan Van Newkirk</td>
</tr>
</tbody>
</table>

That concludes my report.

JOHN G. CLARKSON MD, PRESIDENT: Thank you, Woody, and congratulations to all. I can tell you I have no idea how these scores are calculated. It has nothing to do with the Council and as long as it remains a mystery and everyone is happy, we will continue to support our athletic program. It is now my privilege to introduce Dr. Ron Smith, who is the chair of the Committee on Prizes. Certainly, the report of the Committee on Prizes is always the highlight of the Annual Meeting. Ron, I know that you and your committee have done an outstanding job, so we look forward to your report.

RONALD E. SMITH MD, CHAIR OF THE COMMITTEE ON PRIZES: It is a pleasure for me, on behalf of the Howe Medal Committee, to introduce the Howe Medalist for 2007. Thanks to Denny Robertson and Doug Anderson for serving on this committee.

I will begin with quotes from the 2007 Howe Medalist: “At times of crisis or great change, such as ophthalmology now faces, it behooves us to pause and examine our past and renew our understanding of where we came from so we may better decide where we are going.” “If you want to know where we are headed, historians tell us to look back and see where we have been.”

In case you think that our Howe Medalist spends too much time looking at the past, this quote is on a plaque in his office: “There are three kinds of people: those who make things happen, those who watch things happen, and those that wonder what happened.”

Who is this wise man? Where did he come from? How did he get so smart?

He was born in New Jersey, here with his father, his older brother and mother, his first car. He went to Franklin and Marshall College in Lancaster, Pennsylvania, and from there to medical school at the University of Pennsylvania.

He subsequently went on to the AFIP, and then to the faculty at Yale. Here he is with Chair Marvin Sears. From 1976-1992 he was at Harvard where he was the Cogan Professor. In 2002 he moved to the University of Wisconsin at Madison and became Professor and Chairman of Ophthalmology and also Professor of Medical History and Ethics.

Our Medalist, Dan Albert, M.D., has been, and is, a prodigious contributor to the academic world with a total of 821 publications. The quantity of his publications is matched by the quality of his research contributions. His interest in ocular and adenexal tumors, especially melanoma, is a career-long passion – from his first publication in 1963 on melanoma metastasis to his publication in 2006 on 12-year mortality rates from the NIH-sponsored Collaborative Ocular Melanoma Study. His lab is the pathology center for the landmark COMS study. His 43+ years of study of ocular tumors include basic studies in animal models, and diagnostic innovations and clinical trials. Translating his research findings from the lab bench to the patients and then to teaching rounds characterizes his comprehensive approach to addressing research as a clinician-scientist. We understand the biology and clinical behavior of eye cancer better today, and more patients with eye cancer are alive today because of Dan’s contributions.

He has been honored with 15 named lectures, including the Jackson Lecture, and has received 15 prizes and awards, including named as a distinguished graduate from the University of Pennsylvania. He has held major leadership positions, in addition to being Chair at the University of Wisconsin. He has been President of the American Association of Ophthalmic Pathologists, the ARVO Board, Director of the ABO, Chair and President of the AOS, Editor-in-Chief of Archives, and on the Editorial Board of numerous publications. His text on the History of Ophthalmology was an instant classic and required reading, as noted by Paul Lichter, M.D. in
Minutes of the Proceedings

his foreword.

He is a big believer in the importance of mentors in the development of academicians. He has had special ones in his own career, including Dr. Scheie at Penn, Dr. Cogan at Harvard, Dr. Dohlman at Harvard, and Dr. Blodi and Dr. Verhoeff, and Dr. Zimmerman in pathology.

2007 LUCIEN HOWE MEDALIST DANIEL M. ALBERT

He has been busy outside of ophthalmology. He is a skier, canoeist, fisherman, photographer, and above all else, a family man. Here he is with wife Ellie and two sons in 1975, and with the whole family in 2006 (except for one grandchild born in 2007).

On a personal note, I first got to know Dan well on the American Board of Ophthalmology; here we are together in 1998 when I was the Vice Chairman of the Board, and he was just coming on the Board. Note some of our AOS members were also there at the time, including Denny Robertson, C.P. Wilkinson, John Clarkson, George Beauchamp, Denis O’Day, Bob Stamper, and Susan Day. Knowing his passion for the history of ophthalmology, I remarked to Dan during one of the board dinners that I was honored to have delivered the de Schweinitz Lecture in Philadelphia, asked by my good friends Bill Tasman and Bob Reinecke. Much to my surprise, a week later an original volume of the classic de Schweinitz 1894 text arrived in the mail! I assumed that I would return this valuable text to Dan, but no, Dan stated in his handwritten note to me, “Ron, no, the book cannot be returned. If you give the de Schweinitz lecture, you get to keep the book.” Dan absolutely is a class act, an academician, a teacher, a scholar, and a family man all around. It is a great honor for the AOS to welcome Dr. Dan Albert as the 2007 Howe Medalist. Dr. Robertson and Dr. Anderson will escort Dan to the podium.

DANIEL M. ALBERT MD: It is a very great honor to receive this award and I thank you very much. It is all the sweeter when it is unexpected. When I recognized who Ron was talking about, I made some notes on my napkin. The first note was to be brief. The second note was OTSOG, which is shorthand for “on the shoulders of giants”. You know in the 12th century a man named Bernard of Chartres, a great scholar, said that if he had seen farther it was by standing on the shoulders of giants, and that has been repeated in almost every generation by some very excellent people since that time. When I entered ophthalmology, the giants in the field of eye pathology were Friedenwald and Verhoeff. I had the pleasure to work with two people who would be my mentors, Lorenz Zimmerman and David Cogan, who were rapidly becoming giants. The genius of Dr. Zimmerman was that he could look through the microscope at a slide of a condition that had been looked at for 100 years and see something new and make associations that no one else could. I learned microscopy and diagnosis through him. The genius of Dr. Cogan was that he realized you had to go beyond the microscope to make advances and find new things. He was my spiritual and philosophical mentor. As you go on in your career, your mentors sort of lose their grip on you and you start depending on your contemporaries. People like Dick Green, Ralph Eagle, Hans Grossniklaus, and Mark Tso were people who inspired me and to whom I owe a great deal. After that time you depend on your students. I have been blessed with some really excellent students, such as Johanna Seddon, Moshe Lahav, Sam Packer, Lee Jampol, Joan O’Brien, Jose Sahel, and Thaddeus Dryja. These were people who asked key questions and had bright ideas that really benefited me. Most importantly, Ellie has been the person who really put love into my life, gave me balance, and provided common sense. I am very much in debt to her. I look back on my career and am just so lucky to have enjoyed it so much. You think about the future and the goals that you wanted to reach, but did not reach, and you consider the challenges that still remain to be solved. When Ellie and I talk about that, she gives me the biblical admonition that you are not obliged to finish the task, but neither are you free to neglect it. I hope that I do not neglect it and continue to contribute. Thank you very much.
JOHN G. CLARKSON MD, PRESIDENT: As I said, the awarding of the Howe Medal is the highlight and there certainly could not have been a finer choice or a finer person. I think that the Society honors itself in honoring Dan Albert. Dan, congratulations. Anything said now would pale in significance. I would simply like to close by saying what an honor and privilege it has been for me to serve in a leadership role for this organization. What we just witnessed is part of the heritage that goes now 143 years, and for those of us lucky enough to share in a small piece of it, it means everything. You know, our annual meeting is characterized by great science and social interactions and is free of the shackles of corporate America. May it always be so. It is important for us to get together, to talk with one another, to play, to learn, and to interact in other settings. That is what this organization is all about. During my time on the Council, there have been two things that our leaders have done. I was going to go through the pictures, and by the way, we really need to recognize Ralph Eagle who has been responsible for them. Tom Liesegang has collected those pictures and you have seen them all night. This room is filled with leaders. What we have concentrated on trying to improve the Annual Meeting by identifying today’s and tomorrow’s leaders in ophthalmology and bringing them into this organization. It has been the goal of the Council to do this at a time when physicians are beset with all kinds of pressures, particularly ophthalmologists who face pressures with many other meetings, pressures at home, and various pressures in their practice. We are doing this to maintain the finest traditions this organization represents. Thank you for the privilege of serving you. The meeting is now closed; please enjoy the rest of the night.

SCIENTIFIC SESSION, WEDNESDAY, MAY 23

The Meeting Continued with The Following Scientific papers:

19. "Improving The Risk-Benefit Relationship And Informed Consent For Patients Treated With Hydroxychloroquine", Allan J. Flach MD PharmD, Nancy Korman PharmD, and Kathy Schulz MD


21. "Recipient Corneal Surface Disease Resulting From Recent Chemotherapy In Cornea Donors", Woodford S. Van Meter MD

22. "How Effectively Does Medical Care Achieve The Purpose Of Care? Amd Patients Compared To Age-Matched Controls", George L. Spaeth MD


24. "Customized Topographically-Guided Lasik Treatment Of Myopic Astigmatism ", George O. Waring MD, Barbara S. Fant PharmD, Arturo Chayet MD, Paul J. Dougherty MD, and Jeffrey Fischer MD, Gary Stevens PhD
Minutes of the Proceedings

HONORED FORMER SECRETARY-TREASURER PAT WILKINSON
WITH PRESIDENT JOHN CLARKSON AND TRAVIS MEREDITH

LEE JAMPol AND ARTHUR JAMPolSKY
INVITED SPEAKER BALAMURALI AMBATI - ANGIOGENESIS SYMPOSIUM

MCCULLOCH CANADA CUP GOLF TROPHY WINNER ROBERT SERGOTT
Members registered for the 2007 meeting. Nineteen professional guests are at the end of the list.

Active
Albert, Daniel M.
Active
Anderson, Douglas R.
Active
Anderson Jr, W Banks
Active
Annesley, William H.
Active
Asbell, Penny A.
Emeritus
Asbury, Taylor
Active
Augsburger, James J.
Active
Azar, Dimitri T.
Active
Bartley, George B.
Active
Beauchamp, George R.
Active
Berger, David K.
Active
Biglan, Albert W.
Active
Black, Bradley C.
Active
Blomquist, Preston H.
Active
Bobrow, James C.
Active
Bourne, William M.
Active
Brown, Gary C.
Emeritus
Bullock, John D.
Active
Cantor, Louis B.
Active
Chan, Chi-Chao
Active
Chew, Emily Y.
Active
Chodosh, James
Active
Cibis, Gerhard W.
Active
Clarkson, John G.
Active
Coats, David K.
Active
Cox, Jr, Morton S.
Active
Day, Susan H.
Emeritus
Drews, Robert C.
Active
Durrie, Daniel S.
Active
Eagle, Jr, Ralph C.
Active
Erie, Jay C.
Active
Farris, R. Linsky
Active
Ferris, Frederick L.
Active
Flach, Allan J.
Active
Flynn, John T.
Active
Foster, C. Stephen
Active
France, Thomas D.
Active
Gaasterland, Douglas E.
Active
Gelender, Henry
Active
Godfrey, William A.
Active
Goldbaum, Michael H.
Active
Gross, Ronald L.
Active
Grossniklaus, Hans E.
Active
Guyton, David L.
Active
Han, Dennis P.
Active
Ing, Malcolm R.
Active
Jabs, Douglas A.
Active
Jaeger, Edward A.
Active
Jampol, Lee M.
Active
Jampolsky, Arthur
Active
Jarrett II, William H.
Active
Johnson, David A.
Active
Jones, Dan B.
Active
Kaufman, Paul L.
Active
Kaushal, Shalesh

Active
Koch, Douglas D.
Active
L'Esperance, Francis S.
Emeritus
Laibson, Peter R.
Emeritus
Latties, Alan M.
Active
Lawrence, Mary Gilbert
Active
Lichter, Paul R.
Active
Liesegang, Thomas J.
Active
Ludwig, Irene H.
Active
Luxenberg, Malcolm N.
Active
Maumenee, Irene H.
Active
Mazow, Malcolm L.
Active
McLeod, Stephen D.
Active
Meredith, Travis A.
Active
Merriam, John C.
Active
Mets, Marilyn B.
Active
Mindel, Joel S.
Active
Mitchell, Paul R
Active
Nirankari, Verinder S.
Active
Nork, T. Michael
Active
O'Day, Denis M.
Active
O'Neil, John F.
Active
Packer, Samuel
Active
Parrish II, Richard K.
Active
Parver, Leonard M.
Active
Payse, Evelyn A.
Active
Pulido, Jose S.
Active
Puro, Donald G.
Active
Ritch, Robert
Active
Robertson, Dennis M.
Active
Robin, Alan L.
Active
Rogers, Gary L.
Emeritus
Rubin, Melvin L.
Active
Sebag, Jerry
Active
Sergott, Robert C.
Active
Sherwood, Mark
Active
Shields, Carol L.
Active
Shields, Jerry A.
Active
Sieving, Paul A.
Active
Smith, Ronald E.
Active
Spaeth, George L.
Active
Spencer, Rand
Emeritus
Spivey, Bruce E.
Active
Stager Sr, David R.
Active
Stout, Tim
Active
Summers, C Gail
Active
Tasman, William S
Active
Thompson, John T.
Active
Townsend, William M.
Emeritus
Truhlsen, Stanley M.
Active
Tse, David T.
Active
Van Meter, Woodford S.
Active
Van Newkirk, Mylan R.
Active
Vine, Andrew K.

Emeritus
von Noorden, Gunter K.
Active
Waring III, George O.
Emeritus
Welch, Robert B.
Active
Wilkinson, Charles P.
Active
Wilson Jr, M. Edward
Active
Wood, Thomas O.
Active
Yeatts, R. Patrick
Active
Yee, Robert D.
Active
Younge, Brian R.

Professional Guests
Professional Guest Adamis, Anthony P.
Professional Guest Ambati, Balamurali K.
Professional Guest Ambati, Jayakrishna
Professional Guest Bressler, Neil M.
Professional Guest Brown, Melissa M
Professional Guest Chiang, Michael F.
Professional Guest Dorairaj, Syril
Professional Guest Faia, Lisa J.
Professional Guest Gunduz, A. Kaan
Professional Guest Hatfield, R. Mark
Professional Guest Holekamp, Nancy M.
Professional Guest Kitzmann, Anna S.
Professional Guest Patel, Sanjay V.
Professional Guest Ridley, Miriam E.
Professional Guest Smith, E. H.
Professional Guest Stewart, Michael W.
Professional Guest Stout, Ann
Professional Guest Tanna, Angelo
Professional Guest Whitted, Peter