

The 1994-1995 American Optometric Foundation Annual Report

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From the President

The American Optometric Foundation (AOF) has come a long way since 1949 when it awarded its first **AOF Fellowship** to **Charles R. Stewart, O.D., Ph.D.** Over the years, the foundation has granted over 200 **William C. Ezell Fellowships**. As many as half of the past fellows are now prominent faculty members at the 16 schools and colleges of optometry in North America. In keeping with the tradition, this year AOF has granted nine Ezell Fellowships. We feature the recipients prominently in this annual report.

The AOF inaugurated its first research grant program in 1951 with an **AOF research grant** to the **Los Angeles College of Optometry (SCCO)** to study the effects that viewing television has on the eye. This program has suffered a setback in recent times as the resources necessary to conduct large-scale clinical investigations have outgrown the small amount of funding available. A steady growth in the AOF endowment fund and an increase in participation among all optometrists and supporters of vision research are critical for the reactivation of this important program.

In 1969 the AOF established the annual **Glen A. Fry Lecture Award** to recognize a distinguished scientist or clinician for his or her current research contributions. The first Glen A. Fry Lecture Award was shared jointly by **Dr. Anthony J. Adams**, the dean of the School of Optometry at the University of California at Berkeley (UC-Berkeley), and **Dr. Arthur J. Afanador**, the dean of the School of Optometry at Inter American University of Puerto Rico. This year's Glen A. Fry lecturer is **Karla Zadnik, O.D., Ph.D.** Dr. Zadnik is a senior research optometrist at the UC-Berkeley School of Optometry and an associate clinical professor of ophthalmology and director of optometric services at the UC-Davis Department of Ophthalmology.

The **Optometric Student Research Award Program** continues expanding to further strengthen the quality of student research and foster greater interest in research activity. Many individuals and corporations have recognized the efforts of AOF and have committed funding to support its goals. We also recognize their contributions throughout this annual report.

While we have achieved much, we have a great deal yet to accomplish. Our profession is young and still needs nurturing. Those who have benefited in the past should be and usually are the best supporters, but we need to be diligent in informing them of the profession's needs so they can help spread the word and generate the momentum we need to fulfill our goals. We must continue to seek resources and funding so that we can plan

our own future. Research is the lifeblood of an active profession; without the creation of new knowledge, a profession is likely to succumb to other professions that create and claim new knowledge. Research is not a luxury; it is one of the foundations of an independent profession.

With this report, the **AOF Board of Directors** hopes to inform the profession about the mission, goals, and activities of AOF. We welcome the renewed and ongoing support of those who have supported these goals in the past through their donations. And we encourage those who have been unaware of AOF activities to become members and help your profession claim some of those new discoveries that will change vision care.

Bert Borwin, October 1995

The American Optometric Foundation Board of Directors

Bert Corwin, O.D. President

P. Sarita Soni, O.D., M.S. Secretary/Treasurer

Irwin M. Borish, O.D.

Rex Ghormley, O.D.

Dale Lervick, O.D.

Earl Smith III, O.D., Ph.D.

Anthony Adams, O.D., Ph.D. Academy Liaison

Peter Green Staff

Frank Morris Staff

The American Optometric Foundation – A Brief History

The **American Optometric Foundation's** first attempt at directly supporting optometric education and research came in 1949 with the initiation of the AOF Fellowship Program (now known as the William C. Ezell, O.D., Fellowship Program). In that first year, one fellowship was granted to Charles R. Stewart, O.D., a student in a postdoctoral program of research and study leading to the Ph.D. degree. As the AOF's endowment grew, so did the number of fellowship awards given. To date the AOF has granted more than 200 **William C. Ezell Fellowships**. Of that number, as many as half have become prominent faculty members, teachers, and researchers at the 16 schools and colleges of optometry in the United States and the 2 in Canada. Many others chose clinical practice.

Consistent with its mission, the AOF inaugurated its research grant program in 1951. To augment the support for optometric research, the AOF established an annual cash award to be given in recognition of a distinguished scientist or clinician for his or her research contributions. Established in 1969, this award program is now known as the **Glen A. Fry Lecture Award**. The AOF has also established a series of recognition awards in specific optometric subdisciplines to strengthen the caliber of student research and foster greater interest in research activity.

As new programs of support were created, broader goals were set by the profession for the AOF. With over 2,000 annual contributors by the early 1970s, AOF's position within the profession was established. Based upon its unique mission, the AOF was charged with coordinating all optometric fund-raising efforts under a formal plan known as "The Umbrella Fund Raising Plan." Through the Umbrella Plan, the AOF established a scholarship program to help talented optometry students who needed financial assistance. The AOF scholarship program, like all other AOF support programs, has flourished in the ensuing years.

The American Optometric Foundation was founded in 1947 as a public membership foundation incorporated in New York state. The guiding force behind the creation of the organization was **William C. Ezell, O.D.**, of Spartanburg, South Carolina, the then immediate past president of the **American Optometric Association**. Dr. Ezell, along with six other nationally prominent optometrists (**Frederick A. Stengel, O.D.**; **Walter I. Brown, O.D.**; **Leslie R. Burdette, O.D.**; **John J. Brady, O.D.**; **Weston A. Pettey, O.D.**; and **Harold V. Hutcheson, O.D.**), enlisted the support of the profession nationwide to contribute to the creation of "a foundation to receive, accept, hold, invest, reinvest and administer gifts, legacies, bequests, devises, funds, the proceeds and benefits

of trusts . . . and property of any and every sort or nature." This foundation would "use, lend, apply, employ, expend, disburse and donate the income and all of the principal thereof for the upholding, broadening, fostering, promoting and aiding [of] optometric education; the profession of optometry and its practitioners." Dr. Ezell administered the AOF until 1961.

Today, sources of support for AOF include optometrists, corporations, other foundations, optometric auxiliaries, state associations, and private citizens interested in vision care. In 1989-90, the foundation initiated a major fund-raising plan. Because the competition for philanthropic support in the optometric community is fierce, the foundation sought professional assistance in this endeavor. This fund-raising effort has been very fruitful, and the fund-raising professional continues to help increase the AOF endowment and administer a bequest program for individuals to remember AOF in their wills.

The American Optometric Foundation's record of achievement is a strong history of dedication to the improved visual welfare of the public.

GORDON HEATH

Dean Emeritus, School of Optometry, Indiana University, Bloomington

1952 Ezell Fellow

The American Optometric Foundation

Building Endowments

Long-term investment in the profession requires building endowments that pay dividends as the principal grows or is maintained. The foundation's recent drive launched in 1989 has moved a number of people to contribute to the endowment. Two of the more important endowments are acknowledged below.

The Rosemore and Greenberg Endowment

A gift from **Drs. Frederick Rosemore, Martha Greenberg, and Sidney Greenberg** will allow the AOF to either fund the development of researcher/educators or help an investigator develop a vision research program. Rosemore is deeply committed to seeing the *"preservation of [the] independent . . . practice of optometry in a solo or a group environment."* While Sidney Greenberg echoed Rosemore's comments, Martha Greenberg added that she would like to see more women optometrists start their own practices: *"they should not think that solo practice is not possible."* All three believe that research is the mainstay of the profession and that without research the profession would reach a plateau and be unable to expand to incorporate changes.

Sidney Greenberg strongly believes that a profession has to support its own research to demonstrate its commitment to and belief in its own ability. Other agencies often follow suit if the profession can show its own commitment. Rosemore stressed the importance of remembering what has allowed one to make a good living: if it is optometry, then one needs to contribute to the continuing growth of optometry. The encouragement and support provided by Fred Rosemore, his daughter Martha Greenberg, and his son-in-law Sidney Greenberg exemplify their commitment to their chosen profession.

Frederick Rosemore is president of the PMC Corporation. After receiving his undergraduate training as a cadet in the U.S. Army Air Force, he attended the University of Tennessee and graduated from the Navigation Academy at Selman Field, Monroe, Louisiana. During World War II, he was awarded the Air Medal, the Oak Leaf Cluster, five Battalion Stars, two Purple Hearts, the Presidential Unit Citation, and the P.O.W. Medal. He received his optometry degree in 1948 from the **Southern College of Optometry**. He has served his profession as the president of the **Alabama Optometric Association**, chairperson of the Finance Committee of the **Southern Council of Optometrists**, and a member of the Admissions Committee of the **American Academy**

of Optometry. He currently serves on the Finance Committee of the American Academy of Optometry. He has lectured at many schools and colleges of optometry on practice management and finance.

Drs. Sidney and Martha Greenberg practice together in Russellville, Alabama. Both are graduates of the **Southern College of Optometry**. For three years following graduation, Sidney Greenberg served as an optometrist at the Naval Hospital in Quantico, Virginia. In 1968 he went into private practice and joined the Southern College of Optometry as a member of their clinical faculty. After Martha Greenberg received her O.D. degree in 1974, the Greenbergs set up a private practice in Alabama. **Martha Greenberg** was recently elected to the Board of Trustees of **Southern College of Optometry**. They have three children.

The Borish Endowment

Dr. Irvin M. Borish, the author of *Clinical Refraction*, is often called the "father" of modern optometry. He has been a force behind the expanding scope of optometry ever he began his career in 1934 by serving on the faculty of **Northern Illinois College**. He has influenced the scope of practice, student procurement, staffing, curriculum, and education. His career extends through 30 years of practice, 15 years of full-time teaching, and eight years of "retirement," during which he has continued to serve the **American Academy of Optometry**, **American Optometric Foundation**, **Ophthalmic Research Institute**, and the Admissions Committee of the **National Academy of Practice in Optometry**.

Borish believes basic research is critical for the growth of any discipline or profession. An intense investigator in the field of contact lenses and clinical procedures, he holds five patents in contact lenses and has vigorously promoted and encouraged quality clinical research at the two academic institutes where he served. **Indiana University** recently acknowledged his commitment to vision research by establishing a research center in his and his wife Bea's name. The **Borish Center for Ophthalmic Research** was dedicated on October 11, 1995.

Throughout his career, Irvin Borish has tried to convince optometrists to support each other and their profession by working together for the good of all. To draw attention to the decreasing number of optometrists attending graduate school, a problem that may soon affect our educational institutions, the Borish's have donated funds to the **American Academy of Optometry** for an award to a graduate student for the best dissertation. More recently, they provided an endowment for the **American Optometric Foundation** to support research

1995 Glen Fry Lecturer Award



Karla Zadnik, the recipient of the **1995 Glen Fry Lecturer Award**, is a senior research optometrist at the **UC-Berkeley School of Optometry** and an associate clinical professor of ophthalmology and director of optometric services at the **UC-Davis Department of Ophthalmology**. She has also held visiting appointments at the **University of Wisconsin**, Madison, School of Veterinary Medicine and the **Bethesda Eye Institute** in St. Louis, Missouri.

Zadnik is chairperson of the **Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Study**, a five-year observational study of 1,000 keratoconus patients at all stages of the disease. The CLEK Study is the product of a long collaboration among **Joseph T. Barr**, O.D., M.S., at **The Ohio State University**; **Mae O. Gordon**, Ph.D., at **Washington University** Department of Ophthalmology and Visual Sciences and the Division of Biostatistics; and **Timothy B. Edrington**, O.D., M.S., at the **Southern California College of Optometry**. It is the first multicenter study ever funded by the **National Eye Institute (NEI)**, a division of the National Institutes of Health (NIH) that focuses on optometry.

Zadnik is also co-investigator on the **Orinda Longitudinal Study of Myopia (OLSM)**. Along with co-investigators **Donald O. Mutti**, O.D., Ph.D.; **Robert E. Fusaro**, Ph.D.; and **Anthony J. Adams**, O.D., Ph.D. (all of **UC-Berkeley**), **Zadnik** is conducting the first longitudinal study of changes in all of the optical components of the eye as it develops in childhood in an effort to identify children who are "at risk" for developing myopia. The study is currently in its seventh year.

Zadnik is the outgoing president of the **University of California Optometry Alumni Association**. She has edited **Berkeley Optometry**, the association's hugely popular newsletter, for many years. In 1994 she received the prestigious **Rosalie M. Stern Award** from the campus-wide **California Alumni Association** for outstanding community services. **Zadnik** also serves as trustee of the **California Optometric**

Association.

In the midst of this professional activity, Zadnik still finds time to enjoy needlework, reading, cooking, and her family. She and her husband Kurt, a horticulturist at the UC-Berkeley Botanical Garden, have two daughters: Andra, 10, and Nina, 5.

Ezell Fellows and Their Long-term Contributions

Anthony Adams, Ph.D.

After completing clinical optometric training in Australia in 1962, Anthony Adams earned a Ph.D. in physiological optics from **Indiana University** and then taught there for two years. Since 1968, he has been a professor of optometry and physiological optics at the **UC-Berkeley School of Optometry**. Between 1974 and 1985, he directed the graduate training program in physiological optics. In 1992 he was appointed dean of the UC-Berkeley School of Optometry. He has served on the University of California Health Sciences Committee since 1992.

In his research laboratory, Adams has trained 15 Ph.D. graduates and several postdoctoral fellows in basic vision psychophysics and in the psychophysics and electrophysiology of visual disorders. He has published over 200 papers and chapters dealing with applications of vision science to visual disorders, visual performance, drug effects on vision, color vision, neurophysiology, psychophysics of visual adaptation, and myopia development in children. For 17 years, his study of the early vision changes of diabetics has been supported by the NIH **National Eye Institute**.

Adams is an elected member and past chairperson of the **National Academy of Science National Research Council Committee on Vision**. He is also past president of the **National Board of Examiners in Optometry** and has been the NIH **National Eye Institute's** training grant director in physiological optics at UC-Berkeley since 1981. He has served on NIH study sections reviewing grant proposals for vision research and on policy advisory panels of the National Eye Institute.

In 1991 Adams was elected to the **Executive Council** of the **American Academy of Optometry** after serving on the **Editorial Board** of its journal, **Optometry & Visual Science**, and as chairperson of the academy's **Research Committee**. From 1987 to 1992, he served on the **Editorial Board** of **Investigative Ophthalmology and Vision Science**. In 1990 he was appointed as a panel member to develop, through the **U.S. Agency for Health Care Policy and Research (AHCPR)**, guidelines for the management of cataract in the aging eye. Adams also serves on the **Scientific Advisory Board of Prevent Blindness America**.

Adams was chairperson of the **National Academy of Sciences Working Group on Myopia** that published findings from a four-year study on the prevalence and progression of myopia. He is currently the principal investigator for a five-year NIH-funded study of

myopia development in children.

"The AOF Ezell Fellowship that I received as a graduate student at Indiana University had a tremendous impact on me. Here was a profession that was investing in research by supporting research training of young scholars." According to Adams, research is the cornerstone of an independent and vital profession. A profession that does not contribute to its own knowledge base, and instead relies entirely on the advances of related professions, loses its vitality and independence: *"I believe it is that fundamental and that simple!"*

Ruth E. Manny, O.D., Ph.D.

Ruth Manny began her professional and graduate degrees as a mathematics major at the **University of Texas at Austin**. She decided to reevaluate her career options after taking a theoretical calculus course as a first-year student with 800 other students (primarily seniors) and a frustrating computer programming class ("my key punch cards were full of typos and never made it past the card reader"). Optometry was on the list of possible alternatives due to an encounter with **Dr. Stanley Meyers**, who was preparing to enter optometry school after returning from missionary work in Africa.

When Manny read the course descriptions in the catalogues, optometry and she seemed well matched. Optometry offered training with a good blend of math and science that would lead to a specific career with an opportunity to work independently and make a difference in someone else's life.

While a professional student, Manny became involved in a research project with Dr. Steven Cool. Upon graduation, she worked part time in a private practice, worked in the **University of Houston College of Optometry's** (UHCO's) clinic as a part-time faculty member, and completed some graduate classes as a nondegree student. The research and teaching continue to interest her. After a few years-and much persuasion and encouragement from **Drs. Steven Cool, Ron Harwerth, and Dennis Levi**-she became a full-time graduate student at the University of Houston.

After receiving her Ph.D. in 1981, she joined the faculty at UHCO, where she now serves as an associate professor and chair of the **Department of Optometric Science**. Manny says, "UHCO has a great mix of faculty and has allowed me to pursue both my clinical and research interests with a variety of collaborators." Her many accomplishments include establishing an infant vision clinic with **Dr. Roger Blots** and the **NOVA clinic** for multiply impaired children with **Dr. Kia Eldred**. These two clinics provide services to frequently underserved populations and expose UHCO students to unique opportunities in patient care.

"The Ezell Fellowship from the AOF helped supplement my income as a teaching and

research assistant and allowed me to complete my Ph.D. without any debt." Manny believes the Ezell Fellowships are critical to the future of optometry. She believes the large debts accumulated by professional students during their work toward the O.D. degree discourage or even prevent many from entering advanced training programs.

Barry A. Weissman, O.D., Ph.D.

Barry A. Weissman received his O.D. degree in 1972 and Ph.D. in physiological optics in 1979 from the **UC-Berkeley School of Optometry**. He is currently a professor of ophthalmology and chief of the Contact Lens Service at the **Jules Stein Eye Institute** and **Department of Ophthalmology** at the **UCLA School of Medicine**. He is a fellow of the **American Academy of Optometry**, a diplomat in its Cornea-Contact Lens Section, and a member of the **International Society for Contact Lens Research** and the **International Association of Contact Lens Educators**. He also serves on the editorial board of **Ophthalmic and Physiological Optics**.

In addition to writing more than 100 research publications in cornea and contact lens topics, Weissman is the author of a manual on contact lens care (Lea & Febiger 1984), co-editor (with Edward Bennett) of the text **Clinical Contact Lens Practice** (Lippincott 1991), and co-author (with Irving Fatt) of the second edition of **Physiology of the Eye** (Butterworth 1992). Weissman and his wife of 18 years have a 14-year-old daughter and an 11-year-old son.

While Weissman was at Berkeley, **Professors Morton Sarver and Merton Flom** served as role models because of their excellent clinical skills and outstanding teaching abilities. What impressed him the most was the way the two professors treated research as an extension of clinical care and teaching. He believes that his most notable accomplishments include a case study series alerting the ophthalmic professions to the increased risk of corneal infection with extended-wear contact lenses.

"The Ezell Fellowship during my graduate student years provided me with the much-needed funds [that allowed] me to concentrate on my studies. I felt honored then as well as now for being an Ezell Fellow." In retrospect, he is pleased that he selected optometry as a career. He believes that much of the credit for any personal achievements is really due to the profession that continues to provide an intellectually stimulating environment. For his achievements, he credits the excellent role models who inspired him and the many clinicians, colleagues, students, and friends who encouraged and collaborated in various clinical and research endeavors over the past 20 years.

Ezell Fellowships

Since 1949 the **American Optometric Foundation** has annually awarded postgraduate fellowships to students pursuing graduate degree programs in vision science. AOF established the **Ezell Fellowship Program** to provide incentive and opportunity to talented students to pursue careers in optometric research and education.

The goal of the program is to invest in the future of the optometric profession by providing a pool of excellent educators and researchers. The program's success is illustrated by the many top faculty members and administrators at the 17 schools and colleges of optometry; the many leaders in professional organizations; and the excellent clinicians who are former Ezell Fellowship recipients.

The 1995-96 Ezell Fellows

Norma K. Bowyer received her O.D. degree from the **Southern College of Optometry** in Memphis, Tennessee. Following the completion of a residency in pediatrics and the multihandicapped, she helped develop, implement, and provide eye-care services in three rural primary care centers in southern Appalachia. She completed an M.A. in public administration and an M.S. in health education while working for the **U.S. Department of Health and Human Services** as an optometrist in the Aberdeen Area. While there, her primary responsibility was developing a school vision program for Native Americans in a four-state area. As a deputy area optometrist in the **Bemidji Area Indian Health Service** and as chief of optometry at the **White Earth Indian Health Center**, she successfully competed for grants to help reduce ocular complications of diabetes in the Native American population based on a quality assurance model.

Since her graduation from optometry school, she has helped train optometric and other health-care professional students. In 1990 she accepted a position with the **Southern College of Optometry** to begin work on her doctorate in public health. Since 1994 she has been working full time toward completing her doctoral degree. Her research interest will focus on developing a deeper understanding of factors that influence the practice of preventive care in the primary care setting.

Michael J. Giese received a B.S. degree in bacteriology in 1982 from **North Dakota State University** and an O.D. degree in 1985 from the **Illinois College of Optometry**. Following a hospital-based residency in Chicago, he joined the Department of Ophthalmology at the **Northwestern University School of Medicine** as director of contact lenses and low vision. Giese pursued many research projects while at Northwestern, including two multicentered clinical trials. After five years at Northwestern University, he moved to the **Southern California College of Optometry** as an assistant professor.

Early research experiences and two years of laboratory work at the **Jules Stein Eye Institute** were enough to persuade him in 1992 to become a full-time graduate student in the Department of Pathology and Laboratory Medicine at the **UCLA School of Medicine**. His research will focus on the early processes involved in the pathogenesis of bacterial endophthalmitis and the host-immune response to endophthalmitis. After finishing his degree, he would like to return to patient care and optometric education to teach and continue research in endophthalmitis. Giese feels honored to have been an Ezell Fellow for the past three years. He notes that "the support has eased the many stresses associated with becoming a student again and has given me the opportunity to pursue research full time."

Kathleen L. Krenzer received a B.S. in biology in 1985 from the **University of Notre Dame** and an O.D. degree in 1990 from **New England College of Optometry** (NEWENCO). Her interest in scientific research began at the University of Notre Dame during laboratory and graduate courses and continued as she worked in a clinical research laboratory at the **University of Rochester** before attending NEWENCO. During her first year at NEWENCO, she began research at the Eye Pathology Laboratory at **Boston University** under the guidance of Dr. Thomas F. Freddo. Using immunocytochemical staining procedures, she developed a technique for examining conjunctival epithelium obtained by impression cytology. Based on this work, she was awarded an **Individual National Research Scholar Award** from the NEI/NIH.

She was awarded a Ph.D. in pathology by **Boston University** in 1995 and is now engaged in postdoctoral work at the **Schepens Eye Research Institute** with David A. Sullivan, Ph.D. Her dissertation work examined the expression of cytokeratins in the conjunctival epithelium from both normal and dry-eye subjects. Although still involved in dry-eye research, she is now examining the role of neuroendocrine factors in the genesis, and possible management of, dry-eye diseases. Besides research, she continues to see patients one day a week and is the director of the **Gross Anatomy Laboratory** at NEWENCO. As for the AOF support, she thanks the foundation for "making a commitment to optometric research in the form of the Ezell Fellowships and . . . for choosing me to receive this fellowship."

Julie A. Scott received her B.S. degree in physics from the **University of Auckland**, New Zealand, in 1989. During her final year there, she became interested in the human

visual system. In 1990 she attended the **Australian National University** in Canberra to obtain a B.Sc. (honors) degree. Her honors thesis research focused on the psychophysics of color vision, and this has remained her main research interest. She enrolled in a Ph.D. program in vision science at **UC-Berkeley** in 1991. Other areas of interest include spatial and temporal processing of vision and motion perception. She hopes to complete her Ph.D. in 1996 and pursue a career that would enable her to both teach and conduct research. She is very grateful to be awarded an Ezell Fellowship as it will allow her to concentrate on finishing her dissertation.

T. Rowan Candy graduated with a B.Sc. in optometry from the **University of Wales** in 1989. Throughout her training, she was particularly interested in the development of vision in infants, and after entering into clinical practice, she became interested in adapting basic research into the clinical setting. To achieve her goals, she enrolled in a Ph.D. program in vision science at **UC-Berkeley** in 1992. She believes that "detecting abnormalities at the youngest ages possible provides the optometric profession with an opportunity to significantly alter a child's visual potential. Optometrists are ideally suited to manage infantile ocular problems and to make recommendations to parents and teachers concerning the most salient visual stimuli for a child."

After she completes her Ph.D. in 1996, Candy hopes to focus on basic research in a clinical setting. She wishes to translate scientific discovery into practical clinical applications and to promote the importance of eye examinations for young children, especially for multihandicapped children whose visual capabilities are often neglected due to more apparently pressing problems. In her letter to the AOF, she thanks the foundation for its "support of my research and studies. The financial support and personal encouragement are very much appreciated."

Nancy A. McNamara received her O.D. degree from **Ferris State University** in 1991. The following year she completed a residency in cornea and contact lens at **UC-Berkeley**. The combination of clinical practice, academic studies, and research during her year of residency heightened her interest in pursuing an academic career. In 1992 she enrolled in a Ph.D. program in vision science at UC-Berkeley. Her research interests include corneal physiology and the use of clinical studies to assess the effects of environmental factors (e.g., contact lens wear, diabetes, pH, toxicity) on corneal structure and function. She recently completed an eight-month visiting graduate student position at the **Mayo Clinic** in Rochester, New York. While at the Mayo's General Clinical Research Center, she completed a project assessing the impact of hyperglycemia on the diabetic cornea. After she completes the Ph.D. program in 1996, her hopes to strengthen her prospect for obtaining an academic position by seeking additional postdoctoral training in corneal infection and biochemistry.

Susana Chung received her professional diploma in optometry (with distinction) from the **Hong Kong Polytechnic University** in 1987. After practicing primary care optometry and low vision for 19 months at the Low Vision Clinic in Hong Kong, she

went to the University of Melbourne, Australia, to pursue an M.Sc. degree in optometry. Her M.Sc. thesis focused on reading in patients with low vision, "an important clinical question then and now." To supplement her clinical research with rigorous basic science training, she enrolled in the University of Houston's Ph.D. program in physiological optics in 1991. Chung's dissertation research comprises a series of experiments to examine why spatial thresholds are degraded in the presence of retinal image motion. Her research interests include low-vision rehabilitation, eye movements, and spatial vision. She plans to complete her Ph.D. degree by December 1995 and then pursue a career as an educator, a researcher, and a clinician. "I am delighted to be a 1995-96 Ezell Fellow, and I am indebted to the AOF for their generous and continuous support over the past two years."

Thomas Salmon's interest in optometry began with the correction of his own vision: "As a contact lens-corrected high myope, I have had a keen personal interest in optometry since high school. This motivated me to seek a career in optometry." He received an O.D. degree from **Indiana University** in 1979. While practicing as an Army optometrist in Camp Zama, Japan, he supported the development of Japan's first four-year optometry college. After completing active duty in 1983, he continued to work as staff optometrist in a medical clinic and at a contact lens specialty practice in Tokyo. In 1985 he accepted a position with a large ophthalmology practice in Osaka where, besides providing patient care, he taught geometric optics, anatomy, and physiological optics to opticians.

During that time, he began clinical studies in the optical effects of RGP (rigid gas permeable) lens flexure and became more interested in research. In 1992 he returned to the United States to prepare for a career in academia and completed a primary care residency at the **Northeastern State University College of Optometry**. He is currently enrolled in a Ph.D. program in vision science and physiological optics at **Indiana University**, with a research focus on corneal topography and corneal optics. He is grateful for the AOF support through an Ezell Fellowship as it will allow him to concentrate on finishing his dissertation.

A O F - Past Ezell Fellows

Anthony J. Adams	Arthur J. Afanador	Philip Aitsebaomo
Kevin L. Alexander	Dale Allen	John F. Amos
Roger S. Anderson	Raymond A. Applegate	Brian S. Armitage
James E. Bailey	Neal J. Bailey	William R. Baldwin
Thomas A. Banton	Felix M. Barker II	William S. Baron
William J. Benjamin	Michael J. Bennett	Roger L. Boltz
Ernest L. Bowling	Kenneth E. Brookman	William L. Brown
Darrell B. Carter	Thomas H. Cedarstaff	Freddy W. Chang
Walter W. Chase	Kenneth J. Ciuffreda	Bradley Coffey
Nancy J. Coletta	Jeffrey Cooper	David Corliss
Lawrence K. Cormack	Mark H. Criswell	Kent M. Daum
Brian E. Davis	Peter Davison	Anthony F. DiStefano
Carol Dibble Record	Robert H. Duckman	Michael J. Early
Jess B. Eskridge	Frederick Finkler	Barry M. Fisch
Merton C. Flom	Thomas F. Freddo	Donald N. Freeman
Ralph Freeman	Daniel R. Freson	Claude J. Giasson
Gregory W. Good	David A. Goss	Ben M. Graham
Ronald S. Grand	David A. Greenberg	Eric Greene
Steven B. Greenspan	Lesli D. Handmacher	Michael E. Hanen-Smith
William A. Hare	Ronald Harweth	Gordon G. Heath
Michael Heiberger	Philip H. Hendrickson	David B. Henson
Debbie L. Hettler	Jennifer L. Hicks	Peter Hitchcock
Patrick J. Huston	Cheryl Ann Jackson	Kent C. Jensen
Murray H. Johnson	Edward R. Johnston	Ronald Jones
Jule Jose	Janice Jurkus	Steven Kastenbaum
Kevin Katz	Emily Kenyon	Vincent King
David G. Kirschen	Robert N. Kleinstein	Joanne Klopfer
Dale M. Koers	Karla M. Kraeszig	Timothy W. Kraft
Stuart L. Krieger	Philip Krueger	V. Lakshminarayanan
Ben C. Lane	David D. Lee	John M. Lee
Dennis M. Levi	Alan L. Lewis	Gary L. Liberman
William F. Long	Gerald E. Lowther	Gregory W. Maguire
Raphael Malach	Robert B. Mandell	Ruth E. Manny

David Marshall Jr.
Robert Massof
Thomas M. McWilliams
Stanley D. Miller
Catherine Neary
Gary N. Orsborn
Paul L. Pease
Gilbert Pierce
Gary L. Porter
Thomas G. Quinn Jr.
Arnulf Remole
Alfred Rosenbloom
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