

Department of Ophthalmology
and Visual Sciences
Pomerantz Family Pavilion
University of Iowa Hospitals and Clinics
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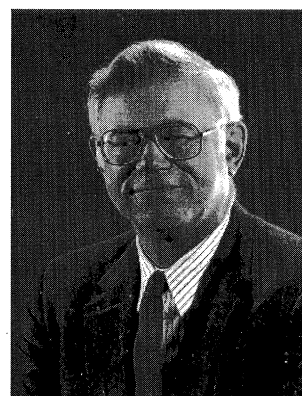
Sept. 2001, Series 2, No. 36

Honoring Dr. William E. Scott

Symposium to Honor Dr. William E. Scott

A symposium honoring William E. Scott, MD, will be held during the 2002 Iowa Eye Association Annual Meeting, June 13-15. Dr. Scott is Professor and Vice-Chair of Ophthalmology and Visual Sciences and Director of the Pediatric Ophthalmology and Strabis-

mus Service at the University of Iowa. Alumni, colleagues, and friends will be invited to participate in the symposium that will discuss the latest discoveries and treatments in pediatric ophthalmology and adult strabismus. Dr. Scott will deliver the Braley Lecture.



William E. Scott, MD

Annual Meeting 2001

The Iowa Eye Association 2001 Annual Meeting "Advances in Retina and Ophthalmic Devices" was held in Iowa City on June 22 and 23. Steve A. Arshinoff, MD, FRCSC, delivered the 30th Wolfe Foundation Lecture "Viscoelastic Surgical Devices". Dr. Arshinoff is Professor of Ophthalmology at Humber River Regional Hospital in Toronto, Ontario. Dr. Arshinoff also spoke about "Simultaneous Bilateral Cataract Surgery." The 20th Braley Lecture "History of Vitreo-retinal Surgery" was given by Kirk H. Packo, MD, Associate Professor of Ophthalmology, Rush University/Ingalls Hospital, Chicago, Illinois. Dr. Packo also presented "Surgical Management of AMD." Guest Faculty also included Richard C. Allen, PhD, MD, Assistant Professor of Comprehensive and Molecular Ophthalmology at Baylor University in Houston, Texas. Dr. Allen presented "The Open Globe - Revisited."

Chair in Pediatric Ophthalmology

The William E. Scott Chair for Education in Pediatric Ophthalmology was announced at the 2001 Iowa Eye Association Annual Meeting. The chair was made possible by an anonymous gift of \$1.6 million. The Department of Ophthalmology and Visual Sciences plans to increase the endowment fund to \$2 million with gifts from friends, alumni, and patients.

"This generous gift will make it possible for the department to expand its already renowned program in education and research for preventing blindness in children," said Thomas A. Weingeist, PhD, MD, Head of the Department of Ophthalmology and Visual Sciences. The endowment will help to support pediatric ophthalmology in the department's curriculum and will ensure that there is money to do research and to recruit faculty in

pediatric ophthalmology. The department is now recruiting additional faculty.

The first recipient of the William E. Scott Chair for Education in Pediatric Ophthalmology will be announced at a later date. Dr. Scott plans to retire by July 2002. He will continue teaching in an emeritus role.

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New Faculty Join Department



Sara L. Butterworth, OD

Sara L. Butterworth, OD

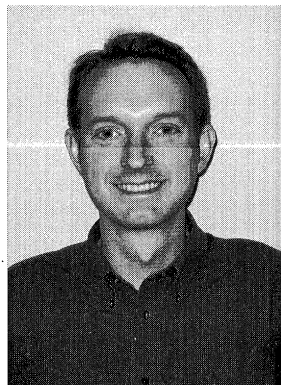
Dr. Butterworth joined the faculty of the Department of Ophthalmology and Visual Sciences as a Clinical Assistant Professor in July 2000. She splits her time between the Comprehensive Ophthalmology Clinic and the Contact Lens Clinic. She also has a joint appointment in the Ophthalmology Clinic at the Iowa City VA Medical Center. Prior to her appointment at Iowa, Dr. Butterworth was attending faculty and classroom instructor at Northeastern State University College of Optometry in Tahlequah, Oklahoma. She received her Doctor of Optometry degree from the University of Houston College of Optometry and her BS in Psychology from the University of Iowa. Her residency training in Contact Lens and Cornea was done at Northeastern State University College of Optometry. Her current interests include therapeutic/advanced contact lens fitting and the treatment and management of dry eye syndrome.



Brian R. Kirschling, OD

Brian R. Kirschling, OD

Dr. Kirschling is an optometrist and a Clinical Assistant Professor. He holds a BS in Biology from the University of Iowa and a BS in Visual Science from the Illinois College of Optometry in Chicago. Dr. Kirschling graduated with a Doctorate in Optometry from the Illinois College of Optometry and completed his residency training in Hospital-Based Optometry at the Louis B. Stokes VA Medical Center in Cleveland, Ohio. Dr. Kirschling joined the faculty in July 2000 and currently sees patients in both the Comprehensive Ophthalmology Clinic and the Contact Lens Clinic as well as at the Iowa City VA Medical Center.



Robert F. Mullins, PhD

Ayad A. Farjo, MD

Dr. Farjo joined the faculty as Clinical Assistant Professor of Ophthalmology and Visual Science in July 2001. He sees patients in both the Cornea & External Disease Service and the Comprehensive Ophthalmology Clinic. Dr. Farjo received his BS and MD from the University of Michigan in Ann Arbor. He was an Intern at Oakwood Hospital in Dearborn, Michigan. He returned to Ann Arbor for his residency and a fellowship in Cornea, Refractive, and External Diseases. He received a fellowship from the Heed Ophthalmic Foundation in 2000-2001.

His current projects and research interests include long-term results of iris-sutured posterior chamber intraocular lenses with penetrating keratoplasty.



Ayad A. Farjo, MD

Robert F. Mullins, PhD

Rob Mullins originally came to the University of Iowa Department of Ophthalmology and Visual Sciences in 1997 as a research assistant under Dr. Greg Hageman. He was also a postdoctoral fellow with the University of Iowa Center on Aging. As of July 2001 he joins the faculty of the University of

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"Together, we have a vision for the future."

Contact Lens Clinic Renovated

The Contact Lens Clinic recently received a facelift. Although the size of the clinic was increased by only 187 square feet, the overall result makes it more convenient for patients and staff, allowing for a significant increase in the number of patients the clinic can see. The clinic currently sees around 5,000 patients per year.

Relocating and refurbishing the dispensing room made it a more efficient and effective work area. The relocation of the dispensing

room made it possible to locate four exam lanes next to each other along one corridor. This actually added one exam lane for the service.

Remodeling created a reception area and business office for the Contact Lens Service by sacrificing a small waiting room. The reception area makes it less confusing and more convenient for patients checking in and out of the Contact Lens Clinic. The reception/business office area vastly

increased the available file space. This area adjoins the inventory storage room. This room essentially doubled the space available for storage of inventory.

Departmental administrator, Larry McGranahan, comments "With physical space in the Department becoming very tight, it was a challenge to come up with a plan that adequately addressed Contact Lens' needs without a major adverse effect on another service. We did not want to lose the Blue waiting room, but we feel that the resulting enhanced patient flow and service for our patients will be worth the loss. The Department is thankful to the University of Iowa Hospitals and Clinics for funding the construction portion of this project."

The Contact Lens Service is also undergoing renovation of its web site. Visit the website at <http://www.uiowacontacts.com>. Or follow the links from the Department of Ophthalmology home page <http://webeye.ophth.uiowa.edu>. Click the "Patient Care" button and then select "Contact Lens" from the list of clinics and services.



Dr. Chris Sindt, Trudy Grout, Dr. Sara Butterworth and Dr. Brian Kirschling

Mullins

(Continued from page 2)

Iowa as Assistant Professor of Ophthalmology and Visual Science for the Center for Macular Degeneration at the Oakdale campus. Dr. Mullins received his BS in Biology from Wheaton College, his MS in Biology and his PhD in Cell and Molecular Biology from Saint Louis University. Prior to coming

to Iowa he was a Research Assistant in the Cell and Molecular Biology Training Program at Saint Louis University.

Dr. Mullins' research interests and current projects include mechanisms involved in the development of drusen, especially with regard to the role of humoral

and cellular immune systems in drusen biogenesis. He is also investigating structural and compositional changes in Bruch's membrane in aging and disease, and their effects on ocular physiology. He plans to develop and study animal and *in vitro* models of age-related macular degeneration.

Iowa Lions Eye Bank Continues to Grow

The Iowa Lions Eye Bank reported a record year in 2000 with 1,408 eyes received and 832 corneas provided for transplant (an increase of 113% over 1999). These provided for 299 corneal transplants in Iowa, 261 elsewhere in the U.S., 122 for transplants through various international programs, and 150 corneas provided without charge for transplant to third world countries in need. In addition, 310 eyes were provided for age-related macular degeneration research and the remaining 266 went to various other research and teaching programs. Since 1960, eye banks nationwide have made possible more than 700,000 sight-restoring corneal transplants, and the Iowa Lions Eye Bank has provided tissue for 8,554 corneal transplants in that period.

Iowa Lions Eye Bank staff work hard in their commitment to ensure that families receive the opportunity to donate and that the donated tissue is utilized in the best possible manner. Eye Bank staff consists of Pat Mason, Executive Director; Garret Locke, BS, CEBT, Technical Director; Greg Schmidt, BS, Technician; Eileen Schmidt, Technician; DeAnne Sesker, BS, EMT-P, Education Coordinator; Jan Reiter, BS, Administrative Assistant; and Jessica King, student assistant.

In early 2000, the eye bank began performing *in situ* excisions (cornea only removals) for hospitals within a sixty-mile radius of Iowa City. Effective June 1, 2001, the ILEB expanded this service to the rest of eastern Iowa. This has alleviated some of the responsibility and reduced the load for volunteer enucleators and Iowa State Patrol. Eye bank technicians travel to the site, review the medical chart, perform an exam, and recover the corneas. This process allows the cornea to be immediately preserved for transplantation versus receiving a whole globe at the eye bank laboratory and excising the cornea several hours

after the removal of the eye. The results are increased viability and quality of the tissue for corneal transplantation.

The Iowa Lions Eye Bank is among 32 eye banks in the U.S. taking part in a national cornea donor study. The Cornea Donor Study (CDS), coordinated by the Jaeb Center for Health Research in Tampa, Florida, is working with 122 surgeons nationally to recruit 1,000 patients for this five-year study. The National Eye Institute and the Eye Bank Association of America help fund the CDS. The study will answer the question of whether older-age donor cornea tissue should be used for transplantation, a question posed by eye banks and corneal surgeons for years. "Not only should the study help to answer this question, it may broaden tissue availability domestically, as well as to the transplant community the world over," says Roy Beck, MD, PhD, of the Jaeb Center for Health Research. The steady increase of refractive surgery has the potential to cause a shortage of corneal tissue available for transplant in the future. Corneal refractive surgery patients are not suitable donors for transplant because the surgery reshapes the cornea. These reshaped corneas may be donated for research, however. The use of corneal tissue from older donors could expand the donor pool by 20 to 35 percent. Patient enrollment began in January 2000, and in the first 17 months, 600 patients had been enrolled. Locally, John E. Sutphin, MD and Michael D. Wagoner, MD, medical directors for the Iowa Lions Eye Bank, are participating in this study along with the eye bank and photography service.

The Iowa Lions Eye Bank was recently invited to join Vision Share, a national consortium of eye banks cooperating to provide mutually beneficial support services to member eye banks, ensuring the highest quality donor eye tissue and services.

Vision Share is a leader in the eye banking community in promoting the highest achievable standards in regard to donor tissue, quality, and donor screening for the benefit of recipients. There are currently thirteen eye banks holding membership in Vision Share.

News releases, public service announcements, news feature stories, and a print media public awareness campaign were among the activities the ILEB participated in for National Eye Donor Month. In a related awareness activity, nearly 800 attended Governor Tom Vilsack's Iowa donor family recognition event at the State Capitol. The ILEB was an active participant in this successful and moving tribute to donor families.

The Iowa Lions Eye Bank is fortunate to have an excellent working relationship with the approximately 400 Lions and Lioness Clubs in Iowa with nearly 13,000 members. These clubs play a vital role with the Iowa Lions Eye Bank and its various projects, working together to bring the "gift of sight" locally, nationally, and internationally.

For more information regarding the Iowa Lions Eye Bank, log onto the website at <http://ialeb.org> or call (866) HELP SEE (toll free in Iowa) or (319) 356-2871.

by Pat Mason, Executive Director

Send us your news

Information about alumni and Iowa Eye Association Members will be published as space allows:

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All In An Iowa Resident's Palm

Insights about Palm Computing from Scott Larson, MD, third year resident

In 2000, Dr. Tom Weingeist discovered seemingly endless uses for the "Palm Pilot" handheld computer. He realized that he could not only make himself more efficient but could help the other faculty and residents to become more organized if he made it possible for each one of them to obtain one. Each resident was given a TRG pro, a palm computer based on the Palm operating system. The residents were rapidly brought into the information age. Several of them found ways to organize their clinical duties and some even developed original e-documents for use by themselves and other residents.

One of the first things used by the residents was a departmental phone list, making it much more convenient for residents to find and consult with faculty. Each resident was "beamed" a copy of the departmental address list and had all the faculty's home phone numbers, addresses and spouses names.

Some residents have developed a database program to keep track of on-call patients. Others made customized databases to keep track of their surgical logs. Soon a standardized surgical log will be available that will allow each resident to track their surgeries and outcomes and share that

data with a national data pool for study and comparative purposes.

Puwat Charukamnoetkanok, one of the third year residents, developed an "On-Call Survival Guide" containing policies and procedures, ward guides, phone lists and algorithms for common eye emergencies. He published this as a pocket-sized paper book, then as a web document and finally as a Palm document that is available to and used by all of the residents.

Scott Larson, another of the third year residents, with the help of his classmates David Petersen and Rahul Pandit, put together an ever growing "e-book" called the "Iowa Eye Notes". The document is nearly 700 pages organized like a web site and contains information from all the sub-specialties in ophthalmology from Cornea/ External Disease to Uveitis. Many sections are based on teaching from the faculty in the department and represent valuable and up-to-date information for the residents. For example, Dr. Bill Scott's strabismus notes have been compressed into an easy to navigate e-document and represents the strabismus section of the "Iowa Eye Notes".

Other third party applications that have become essential for the resi-

dents include the self-updating drug database Epocrates® that contains dosing, drug interactions, adverse effects, and cost of thousands of drugs. Web clipping programs such as AvantGo® or iSilo® are used to download entire journals such as *Ophthalmology* or *American Journal of Ophthalmology* for browsing on the Palm.

The Iowa residents have become quite a bit more computer savvy since their introduction to the handheld computer. They are finding new and innovative ways to use them almost daily. Now they just have to program them to run the lasers and phaco machines.



Obituaries

Gardner D. Phelps, 89, died November 25, 2000. Dr. Phelps graduated from the University of Iowa College of Medicine in 1936. He was the father of Dr. Charles D. Phelps who was head of the Department of Ophthalmology at the University of Iowa in 1984 until his death in 1985. Dr. Phelps was also father of ophthalmologist, Dr. Gary K. Phelps.

Dr. Martin P. Koke, 89, passed away on October 17, 2000, in Point Loma, California. He was a resident in ophthalmology at the University of Iowa in 1941 under Dr. C. S. O'Brien. In 1959, Dr. Koke was the founding chairman of the San Diego Eye Bank, which is now one of the largest in the United States.

Dr. Arthur Charles Wise, 86, died Saturday, April 21, 2001. He completed his residency in 1954 under Dr. Alson E. Braley and began his ophthalmology practice in downtown Iowa City. In 1960 he was one of the founders of Towncrest Medical Center in Iowa City where he practiced until his retirement in 1984.

House Staff News

Resident Graduates

June 2000

Annie Chang, MD, is practicing ophthalmology in Denver, Colorado.

John R. Kinder, MD, is in private practice in Cape Girardeau, Missouri.

T. Hunter Newsom, MD, has opened the Newsom Eye & Laser Center in Sebring, Florida.

Stacy L. Thompson, MD, is in private practice in Iowa City.

June 2001

Zuleika M. Ghodsi, MD, remained at the University of Iowa to help out in Comprehensive Ophthalmology and at the VA Medical Center. This fall, she will enter private practice in Easton, Maryland.

Raghav R. Gupta, MD, entered a one year fellowship program in oculoplastics with Iowa alumnus,

Mark Alford at Ophthalmology Associates in Ft. Worth, Texas.

Luis C. Omphroy, MD, joined a general ophthalmology private practice in Mililani, Hawaii.

Mark S. Wolken, MD, joined a general ophthalmology private practice group in Anderson, South Carolina.

New Residents

July 2000

Michael A. Grassi, MD, received a Bachelor of Science from the University of Southern Indiana and an MD from Northwestern University. He completed his internship at Massachusetts General Hospital, Boston.

Michael G. Hunt, MD, received both Bachelor of Arts and MD degrees from Baylor, Houston, Texas. He completed his internship in Houston.

John W. Kitchens, MD, earned a Bachelor of Science from the University of Evansville, Evansville, Indiana, and an MD from Indiana University, Indianapolis, where he also served his internship.

Susan J. Quick, MD, was in the Air Force for the few years prior to her residency, serving as a physician in the ER and the urgent care clinic at Hill

AFB, Utah. She received her Bachelor of Science from MIT, and attended medical school at Johns Hopkins and Baylor, receiving her MD from the latter. She served an internship at David Grant Medical Center, Travis Air Force Base.

Russell B. Warner, MD, received his Bachelor of Science from Brigham Young University and then taught high school math for a year. He earned his MD from St. Louis University where he also completed an internship.

July 2001

William (B.J.) Dupps, MD, PhD, earned a Bachelor of Science in Chemical Engineering from Purdue University and both an MS and PhD in Biomedical Engineering from Ohio State University. Dr. Dupps received

his MD from Ohio State University.

John H. Fingert, MD, PhD, received his BA in Engineering from Dartmouth College. Both his PhD in Genetics and his MD were earned at the University of Iowa.

Erin L. Holloman, MD, received her Bachelor of Science in Physiology from Oklahoma State University. She received her MD from the University of Oklahoma College of Medicine.

Jennifer J. Lee, MD, received her Bachelor of Science in Psychological Services from Northwestern University and her MD from Northwestern Medical School

Judy C. Liu, MD, has a Bachelor of Arts in History and Science from Harvard College and an MA in History of Science from Harvard University. She received her MD from Vanderbilt.

Awards Presented

Thomas A. Oetting, MD, was given the 2000 **Charles D. Phelps Memorial Award**. The award was established in 1989 in honor of Dr. Phelps (1937-85) who was on the faculty of the department from 1971 to 1985 and served as head of the department during the last year of his life. The award was created through the generosity of many friends, colleagues, and patients, and is meant to encourage the kind of research and educational opportunities for which

Dr. Phelps was recognized.

The P.J. Leinfelder Award was given in 2000 to Chang-Sik Kim, MD, and Brian E. Nichols, MD, PhD. The recipients in 2001 were Scott A. Larson, MD, Sharam Danesh, MD, and Kean T. Oh, MD. The Leinfelder award is presented annually by a faculty committee to resident and fellow physicians who have made significant contributions in preparing and delivering seminars. The P.J. Leinfelder award was inaugurated in

1982 by alumni who wished to pay tribute to Dr. Leinfelder — scholar, teacher, and physician. Dr. Leinfelder served on the staff of the Department of Ophthalmology from 1936 to 1978.

The H.E. Kolder Award for Excellence in Ophthalmology was presented to Jeffrey M. Taylor, who graduated from the UI College of Medicine on May 11, 2001. This award is presented to the graduating medical student who demonstrates excellence in ophthalmology.

House Staff News (continued)

Fellows

June 2000 Graduates

Comprehensive Ophthalmology

Richard C. Allen, MD, PhD, is currently Assistant Professor of Comprehensive and Molecular Ophthalmology at Cullen Eye Institute, Baylor College of Medicine, Houston, Texas.

Cornea and External Diseases

John T. Halgren, MD, is in private practice with a specialty in cornea in Hoffman Estates, Illinois.

Glaucoma

Thomas A. Graul, MD, has returned to private practice joining Eye Surgical Associates specializing in glaucoma in Lincoln, Nebraska.

Glaucoma Research

Chang-Sik (Chuck) Kim, MD, returned to the Department of Ophthalmology at Chungnam University Hospital, Taejon, South Korea.

Neuro-Ophthalmology

Syndee J. Givre, MD, PhD, is now an Assistant Professor of Ophthalmology at the Medical University of South Carolina in Charleston.

Aasim Kamal, MD, joined the Gimbel Eye Center in Calgary, Alberta as a Research and Clinical Fellow in cataract and refractive surgery.

Pediatric Ophthalmology & Molecular Ophthalmology

Kristie K. Shappell, MD, DVM, now practices ophthalmology at Gundersen - Lutheran Hospital in LaCrosse, Wisconsin.

Pediatric Ophthalmology

Brian E. Nichols, MD, PhD, is now in private practice in ophthalmology in Boulder, Colorado.

Vitreoretinal Disease and Retina Surgery

Mina M. Chung, MD, is currently at the Doheny Eye Institute, University of Southern California.

Amin Kherani, MD, FRCS, is now in private practice in Retinal/Vitreous in Calgary Alberta.

December 2000 Graduates

Pediatric Ophthalmology

Annick V. Fournier, MD, now practices in an academic hospital, Children's Hospital of Eastern Ontario in Ottawa.

Oculoplastic Surgery

Rodrigo J. Poblete, MD, has an academic appointment in oculoplastics, orbital and lacrimal surgery at Clinica Las Condes, Departamento de Oftalmologica in Santiago, Chile.

June 2001 Graduates

Molecular Ophthalmology

Victor N. H. Chong, MBChB, FRCS, FRVOphth, returned to Moorfields Eye Hospital in London.

Helen Ruifang Sui, MD, is now with the Department of Ophthalmology at the Peking Union Medical College Hospital, Beijing, China.

Vitreoretinal Disease and Retina Surgery

Nancy J. Christmas, MD, joined the Retina Group of Washington in Fairfax, Virginia.

Kean T. Oh, MD, is now an Assistant Professor of Ophthalmology at the University of North Carolina, Chapel Hill.

The following fellows started their fellowship July 2000 and completed it July 2001, since the *Iowa Eye News* was last published.

Cornea and External Diseases

Roger M. Kaldawy, MD, is from Beirut, Lebanon. He completed his medical degree at St. Joseph University School of Medicine in Beirut. He then came to the U.S. and completed an internal medicine internship at Staten Island University, New York City, and his ophthalmology residency at the University of Rochester Medical Center, Rochester, New York. He is now an Assistant Professor of Ophthalmology and

Visual Science in the Cornea, External Disease and Refractive Surgery Service at Boston University Medical Center.

Glaucoma

Christina A. M. Bruno, MD, received her BS from Grove City College, Grove City, Pennsylvania, and an MD from Penn State. She completed an internship at Mercy Hospital, Pittsburgh, and an ophthalmology residency at the University of Pittsburgh Eye and Ear Institute. Dr. Bruno completed her glaucoma fellowship in June 2001. Her professional plans are not yet finalized.

Pediatric Ophthalmology

Deborah S. Lenahan, MD, completed undergraduate and medical school degrees at the University of Alabama. She served an internal medicine residency at Jacksonville (Florida) University Hospital and then returned to the University of Alabama for an ophthalmology residency and retina fellowship. She was in private practice in Lexington, North Carolina, until coming to Iowa. After completing her fellowship, Dr. Lenahan joined a private practice at the Western Rockies Eye Center in Grand Junction, Colorado.

Swaminathan ("Meena")

Meenakshi, MD, received her MBBS from the University of Madras Medical College and an MS in ophthalmology from the Postgraduate Institute of Medical Education and Research in Madras. She practiced privately for one year in India. Dr. Meenakshi completed a corneal research fellowship at the University of Texas Health Sciences Center, an internship at Kettering Medical Center, and an ophthalmology residency at the University of Louisville. She has taken up an academic position at Sankara Nethralaya, an eye hospital in Madras, India.

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House Staff News (continued)

New Fellows 2000

Neuro-Ophthalmology

Fiona E. Costello, MD, is from St. John's, Newfoundland, Canada. She received her MD from Memorial University of Newfoundland and also completed her residencies in neurology and ophthalmology there.

Oliver Bergamin MD, began a research fellowship in neuro-ophthalmology in November 2000. Dr. Bergamin received his MD at the University of Basel, Switzerland. He completed his research residency at University Eye Clinic of Basel, and his clinical residency at University Eye Hospital of Bern, Switzerland, and at Eye Hospital of Aarau, Switzerland. Before beginning his fellowship at Iowa he did a research fellowship in eye movements at Department of Neurology at University Hospital of Zurich.

Neuro-Ophthalmology & Glaucoma Research

Mary Lucy Pereira, MD, received her MD from Universidade Gama Filho, Rio de Janeiro, Brazil.

Oculoplastic Surgery

Junhee Lee, MD, received his MD from Yale and then completed his general medicine internship at Graduate Hospital of Philadelphia and an ophthalmology residency at Wills Eye Hospital.

Vitreoretinal Disease and Retina Surgery

Sharam Danesh, MD, is a native of Iran. He moved alone to Los Angeles at age 16, and eventually moved to

British Columbia and became a Canadian citizen. He received BS and MD degrees from the University of British Columbia, and completed an internship and ophthalmology residency at the University of Ottawa.

Calvin Grant, MD, is a native of Washington, D.C. He completed his MD at the University of Pennsylvania, an internal medicine residency at Cambridge Hospital, Harvard, and his ophthalmology residency at Massachusetts Eye and Ear Infirmary.

New Fellows 2001

Cornea and External Diseases

Gregory I. Halperin, MD, has a BA in English from Carleton College and received his MD from Rush Medical College. Dr. Halperin did a surgery residency at Rush-Presbyterian-St. Lukes and Cook County Hospital, and an ophthalmology residency at Rush-Presbyterian-St. Lukes.

Glaucoma

Edward P. Langlow, MD, received his BS in Chemical Engineering from Louisiana State University and his MD from University of Mississippi School of Medicine. His ophthalmology residency was done at LSU Eye Center, LSU Medical Center, New Orleans.

Glaucoma Research

Young Kim, MD, is an Assistant Professor at the Department of Ophthalmology, Inje University, Busan Park Hospital, Busan, Korea.

Dr. Kim received his medical degree from Inje University College of Medicine, Busan, Korea, and did his residency at the Department of Ophthalmology, Inje University, Busan Park Hospital.

Neuro-Ophthalmology

Julie Falardeau, MD, holds a College Diploma in Health Science, Abitibi-Temiscamingue College, Quebec, Canada. Dr. Falardeau received her MD from the University of Montreal, Quebec, Canada, and did her ophthalmology residency at the University of Montreal, Quebec.

Pediatric Ophthalmology

Deborah L. Klimek, MD, received a BA in Biology and Art, at St. Olaf College, Northfield, Minnesota, and her MD from the University of Minnesota School of Medicine. Dr. Klimek did her ophthalmology residency at St. Louis University Eye Institute.

Kenneth M. Gainer, MD, received his BA in English and Chemistry from West Virginia Wesleyan College and his MD, from West Virginia University School of Medicine. He did his ophthalmology residency at West Virginia University, Morgantown.

Vitreoretinal Disease and Retina Surgery

Denise L. Kayser, MD, earned a BA in Biology from the University of Virginia. She also holds a masters degree in public health and tropical medicine from Tulane School of Public Health and Tropical Medicine and an MD from the Tulane Medical School. Dr. Kayser's ophthalmology residency was at the University of California, Davis.

Karin R. Sletten, MD, received her BSE in Macromolecular Science and Engineering from Case Western Reserve University and her MD from the University of Michigan Medical School. Dr. Sletten's ophthalmology residency was done at the University of Michigan.

The Iowa Eye is published periodically by the Department of Ophthalmology & Visual Sciences for friends and alumni.

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Full color electronic edition at <http://webeye.ophth.uiowa.edu>

Faculty Promotions

Keith D. Carter, MD

Dr. Carter is one of two faculty on the Oculoplastics and Orbital Surgery Service. Dr. Carter has a Bachelor of Science in Pharmacy from Purdue University. He received his MD degree from Indiana University and received his ophthalmology training from the W K Kellogg Eye Center at the University of Michigan. He was a fellow in Oculoplastics and Orbital Surgery at the University of Iowa Department of Ophthalmology. He joined the faculty in 1988 as an Assistant Professor, was promoted to Associate Professor in 1993, and to Professor effective July 2001.

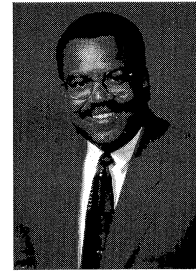
Thomas A. Oetting, MD

Dr. Oetting was promoted to Clinical Associate Professor of Ophthalmology effective July 2001. He is a primary eye care practitioner and has been Chief of the Ophthalmology Clinic at the Iowa City Veterans Administration Medical Center since

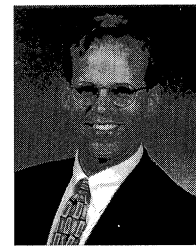
1998. Dr. Oetting received his MD from Duke University. He was a resident in ophthalmology at the University of Iowa and a Clinical Instructor at Harry S Truman Veterans Administration Medical Center in Columbia, Missouri before joining the University of Iowa faculty as a Clinical Assistant Professor in 1997.

Mark E. Wilkinson, OD

Effective July 2001, Dr. Wilkinson is Clinical Associate Professor of Ophthalmology. Dr. Wilkinson was a Low Vision Clinician for the University of Iowa from 1984 to 1986. He was in private practice until 1997 when he became Clinical Assistant Professor of Ophthalmology and Director of the Low Vision Rehabilitation Service at the University of Iowa. He attended Iowa State University, majoring in Zoology, and received his Doctor of Optometry degree from the Illinois College of Optometry. He is a therapeutically certified optometrist.



Keith Carter, MD



Tom Oetting, MD



Mark Wilkinson, OD

Faculty Activities & Achievements

Dr. Sara L. Butterworth was selected as a Council on Optometric Education (COE) consultant. The COE is the accreditation body for optometry and accredits the professional degree programs, residency programs, and optician programs.

Dr. James C. Folk was a 2001 recipient of The American Academy of Ophthalmology's Senior Achievement Award. The Achievement Awards program recognizes individuals for their contributions to the Academy through participation in the Annual Meeting or other areas of service to the Academy.

Dr. S. S. Hayreh was awarded the 2001 Arnall Patz Medal by The Macula Society for his outstanding contributions in retinal vascular and macular diseases. Dr. Hayreh was also named a fellow of The National Academy of Medical Sciences (India). The award of Fellowship of the academy is an honor

bestowed as an acknowledgement of his achievements in the profession.

Drs. Young Kwon and Jeff Nerad were on the ORBIS mission to Trinidad, Spring, 2001.

Dr. Andrew G. Lee was an invited speaker at the 2001 Canadian Ophthalmology Society and during 2000-2001 has presented lectures at the Mayo Clinic, the Wilmer Eye Institute, the Cole Eye Institute, the Oregon Academy of Ophthalmology, the Chicago Ophthalmology Society, the Omaha Ophthalmology Society, Baylor College of Medicine, Scott and White Clinic, and the University of Nebraska.

Dr. Stephen R. Russell was elected to The Macula Society in 2001. Dr. Russell was on the ORBIS Mission to Urumqi, China, Summer 2001.

Dr. Edwin M. Stone delivered The Doyne Lecture "Molecular Ophthalmology 1990-2010" on July 5, 2000, at The Oxford Ophthalmological Con-

gress in Oxford, England. Robert W. Doyne founded the Congress in 1901. The Oxford Ophthalmological Congress is the second largest ophthalmological meeting in the United Kingdom.

Dr. John Sutphin was on the Haitian American Friendship Foundation's mission to Bohoc, Haiti, Spring 2001.

Dr. Thomas A. Weingeist was elected president-elect of The American Academy of Ophthalmology (AAO), effective January 1, 2001. The AAO president-elect automatically becomes president the year following the appointment. Dr. Weingeist was also given Honorary Life Membership in the Ophthalmic Photographers' Society in 2000.

Dr. Mark Wilkinson was elected in 2001 to The American Optometric Association's Low Vision Rehabilitation Council.

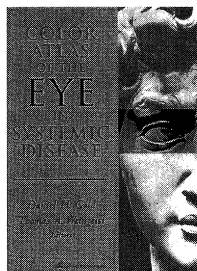
"Together, we have a vision for the future."

Books Published by Ophthalmology Faculty

see <http://webeye.ophth.uiowa.edu/dept/News/books.htm> for more information

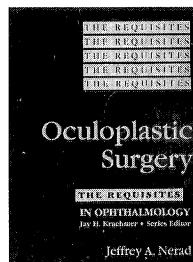
Drs. Daniel H. Gold and Thomas A. Weingeist have edited *Color Atlas of the Eye in Systemic Disease* published by Lippincott-Williams & Wilkins in December of 2000. This new text combines features of a color atlas with a quick reference, tabular format. The Text/Atlas includes most of the major and more common systemic disorders with significant ocular manifestations, as well as other less common but interesting ocular-systemic diseases.

The authors hope that the atlas will be of value in stimulating the reader to think more broadly about the relationship of the eye and the body.



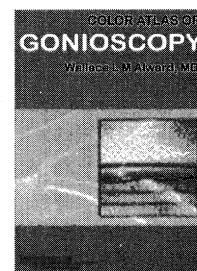
Dr. Jeffrey A. Nerad's new book, *Oculoplastic Surgery: the Requisites in Ophthalmology* was published in June 2001 by Mosby-Yearbook.

The book is a comprehensive introductory text for physicians who want to treat patients with common oculoplastic, lacrimal, and orbital problems. It is a practical approach to common problems. Unlike most surgical texts, the text is written in the first person and takes a conversational tone. In the preface, Dr. Nerad advises "Consider this book a 'written preceptorship,' telling you what is important to know about a problem, the practical 'how-to' information, conveyed as though we were in the office or operating room".



The American Academy of Ophthalmology reprinted Dr. Wallace L. M. Alward's book, *Color Atlas of Gonioscopy* in 2000. Dr. Alward states in the preface to the first edition "I was inspired to write this book when I discovered a remarkable collection of watercolor paintings of the angle created by Lee Allen in the late 1940s and early 1950s." Dr. Alward used Mr. Allen's paintings to illustrate points whenever possible and used photographs only when no paintings were available.

The paintings were able to incorporate both panorama and detail which is something photographs do not do as well.



RPB Ophthalmological Associate Membership Campaign Underway



Since 1960, Research to Prevent Blindness (RPB) has been a unique and respected partner of ophthalmology, channeling hundreds of millions of dollars into eye research. It has made available to departments of ophthalmology nationwide the financial resources, scientific personnel, equipment, and laboratory space needed to establish and to expand research programs. The effort has sparked numerous scientific advances that have revolutionized the practice of ophthalmic medicine. In short, RPB has helped thrust ophthalmology into the forefront of modern medical science.

At the same time, RPB has worked hard to bring to national attention the nature of eye diseases and the vastly increased capacity of ophthalmologists to manage them. Thousands of eye physicians and vision scientists have rallied in support of these efforts by joining RPB's Ophthalmological Associate Membership Program, launched in 1971.

Since the program's inception, all membership dues have been used exclusively to advance eye research. RPB Chairman Emeritus, Lew R. Wasserman, matches all dues paid by new members, thereby doubling the impact of the initial gift. In addition, many RPB Associate Members actively encourage their patients to give generously to the organization. Support realized from these efforts now totals several million dollars.

The RPB Ophthalmological

Associate Membership Program has been strengthened in recent years with the help of chairmen of departments of ophthalmology who have personally extended membership invitations to colleagues and alumni and who have devoted newsletter space such as this to encourage participation in the program. Many treatments integral to daily practice might never have been realized without the visionary leadership of RPB.

To learn more about becoming an RPB Ophthalmological Associate Member, please contact RPB:
Research to Prevent Blindness
645 Madison Ave.
New York, NY 10022.
Phone: 212-752-4333 or 1-800-621-0026.
website: <http://www.RPBUSA.org>.
email: info@rpbusa.org.

Group Photograph, June 2001



Seated

John Sutphin, Randy Kardon, Jeff Nerad, William Scott, Thomas Weingeist, Hilary Beaver, Andrew Lee, Tim Johnson, Karen Gehrs

2nd Row

Mark Wilkinson, Steven Russell, Sara Butterworth, Ronald Keech, Young Kwon, Oliver Bergamin, Keith Carter, Michael Wall, Stan Thompson

3rd Row

Culver Boldt, Swaminathan (Mina) Meenakshi, Deborah Lenahan, Fiona Costello, Roger Kaldawy, Michael Grassi, David Petersen, Rahul Pandit, Susan Quick, Brian Kirschling, Ed Stone

Top Row (left to right)

Larry McGranahan, Victor Chong, Christina Bruno, Kean Oh, Nancy Christmas, John Kitchens, Luis Omphroy, Mark Wolken, Russell Warner, Michael Hunt, Puwat Charukamnoetkanok

Not Pictured

Lee Alward, Nata Aptsiauri, Jim Folk, Greg Hageman, Sohan Hayreh, H.E. Kolder, Andrew Lotery, Tom Oetting, Chris Sindt, Michael Wagoner, Sharam Danesh, Calvin Grant, Junhee Lee, Mary Lucy Pereira, Helen Sui, Zuleika Ghodsi, Raghav Gupta, Emily Greenlee, Scott Larson

Iowa Eye Association Reception

Held in conjunction with the American Academy of Ophthalmology Annual Meeting, Monday, November 12, 2001, 6:30-9:30 pm, New Orleans Hilton Riverside, Oak Alley, 2 Poydras Street, New Orleans, LA

New Physician Consultation and Referral Brochure Available

Watch your mail for more information. Additional copies may be requested from the University of Iowa Healthcare Integrated Call Center at 1-800-322-8442.

The Directory may also be accessed on the web at

<http://www.uihealthcare.com/infofor/professionals/pcrc/ophthalmology/00ophth.html>

Grants & Research

Department Receives Support from Research to Prevent Blindness

In early 2001, the Department of Ophthalmology and Visual Sciences received a \$110,000 grant from Research to Prevent Blindness (RPB), the world's leading voluntary organization that supports eye research. "These unrestricted research funds will enable faculty to initiate and continue clinical and basic research in a variety of potentially blinding conditions, including macular degeneration and glaucoma," said Dr. Weingeist. "Without the ongoing support of RPB it would not be possible for us to remain on the cutting edge of research and technology that has characterized our department," he added.

To date, RPB has awarded grants totaling more than \$2.1 million in research support to UI researchers in the department. \$1.8 million of this has been awarded since Dr. Weingeist became head of the department in 1986.

At 55 medical institutions nationwide, RPB supports investigations into blinding eye diseases, including macular degeneration, cataracts, glaucoma, diabetic retinopathy, corneal disease, retinitis pigmentosa, amblyopia, strabismus, and uveitis. Since it was founded in 1960, RPB has channeled \$166 million into eye research at medical institutions throughout the United States. Find out more about RPB at their website: <http://www.rpbusa.org/>.

Knights Templar Eye Foundation Supports Center for Macular Degeneration

The University of Iowa Center for Macular Degeneration's Low Vision Service received a \$150,000 grant from the Knights Templar Eye Foundation to help provide funding to people who would benefit from low vision devices but who do not have the financial

resources to acquire them. The award includes a \$100,000 contribution from the national organization and a \$50,000 contribution from the organization's Iowa group.

The Center for Macular Degeneration also received a grant from the Knights Templar Eye Foundation to produce two video programs promoting eye research.

The Knights Templar Eye Foundation was formed in 1956 to provide assistance to those who face loss of sight and to aid ophthalmology research. The foundation is sponsored by the Grand Encampment of Knights Templar. More information about Knights Templar Eye Foundation is available on the web at <http://www.knightstemplar.org/ktef/>.

Other Grants Help Fund Faculty Research Projects

Drs. Young Kwon and Randy Kardon won a research grant from the Glaucoma Foundation. The research proposal title is "Neural stem cell transplants: A novel strategy for the treatment of glaucoma." The principal investigator is Donald Sakaguchi, PhD, from Iowa State University, with Dr. Kardon, Dr. Kwon, and Dr. Sonea (from ISU) as co-investigators. The total award is \$35,000 to begin

September 2001. In 2000, they also won an Interinstitutional grant between Iowa State University and the University of Iowa for the same project.

Dr. Kardon is also involved with two National Institutes of Health (National Eye Institute) Small Business Initiative of Research Grants with Kestrel Corporation. The first, "Optical Imaging Device of Retinal Function," includes Dr. Young Kwon as well as Dr. Dan Tso (Syracuse) and Dr. Peter Soliz (Kestrel Corp.). The second, "Super Resolution Adaptive Optics Fundus Camera," includes Dr. Stephen Russell as well as Dr. Soliz.

Researchers at the University of Iowa's Center for Macular Degeneration received a two-year, \$3.3 million contract from the National Eye Institute (NEI) for their project, "Gene Discovery in the Visual System." The team's goal is to identify 30,000 different genes expressed in various regions of the human eye. The study's principle investigator is M. Bento Soares, PhD, UI associate professor of pediatrics, and physiology and biophysics. He will work with several co-principal investigators from the University of Iowa including professors of ophthalmology and visual sciences, Edwin M. Stone, MD, PhD and Gregory S. Hageman, PhD.

Among the Best

Once again *U.S. News and World Reports* has rated the University of Iowa Department of Ophthalmology and Visual Sciences the number six eye department in the nation. The rankings appear in the July 23, 2001, issue. This marks the seventh consecutive year that the department has received this prestigious ranking and the tenth consecutive year of being in the top ten. The complete rankings are on the web at <http://www.usnews.com/>

usnews/nycu/health/hosptl/tophosp.htm.

The Department was also ranked in the top 10 in all categories in *Ophthalmology Times*' annual survey ranking the nation's top ophthalmology programs¹. The rankings were compiled from a peer survey of department chairmen and directors of residency programs across the United States.

¹. *Ophthalmology Times* 25(20):112-113. October 15, 2000.

The Center for Macular Degeneration

In late 1997, the Board of Regents approved the creation of a center that would allow world class physicians and scientists from a number of disciplines to assemble at the University of Iowa for the purpose of working toward a cure for macular degeneration. Creation of the Center for Macular Degeneration has involved recruitment of new faculty, reorganization of existing faculty, construction and renovation of large amounts of laboratory space, and the acquisition of a significant number of new scientific and clinical instruments.

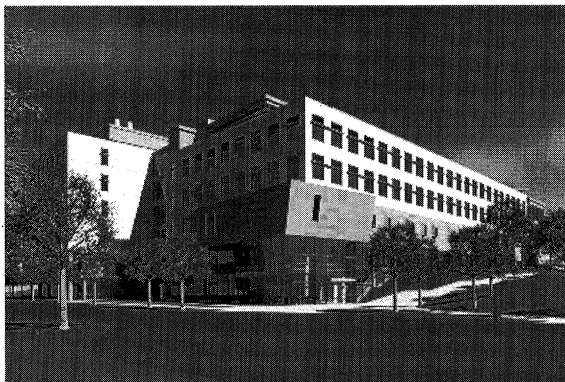
A major focus of the Center is the development of gene-directed therapy for eye diseases. Investigators at the Center believe that the discovery and characterization of these genes will contribute directly to improve methods of diagnosis and therapy. Eventually clinicians may be able to replace or inactivate abnormal genes. However, more conventional treatments such as medicines or surgery are more likely to be used to treat common disorders such as age-related macular degeneration. The development and application of these therapies will be greatly aided by detailed knowledge of the predisposing genes as well as by improved understanding of the causes of each disease that will result from this genetic knowledge.

The Center is made of several components: the Clinical Sciences and Applications Group, the Molecular Ophthalmology Laboratory, the Laboratory for Disease Gene Discovery, the Gene Therapy Group, the Genome Research Laboratory, the Cell Biology and Functional Genomics Group, the Coordinated Laboratory for Computational Genomics, and the Low Vision Rehabilitation Service. Investigators working in fields that appear only distantly related to macular degeneration (such as glaucoma, high-performance computing, and the rat genome project) have provided

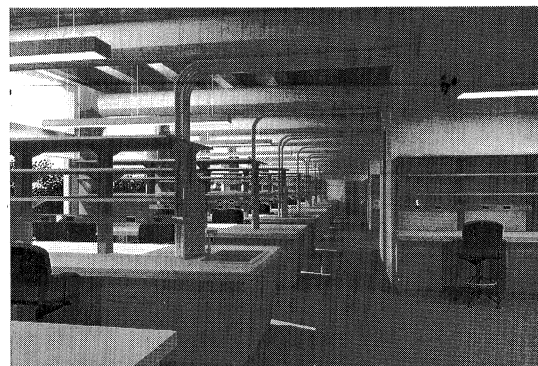
valuable new information that will ultimately benefit patients affected with AMD.

Some individuals at the Center are investigating common disorders such as AMD and glaucoma. A detailed understanding of the clinical features of these highly prevalent and complex diseases is essential for the development of new diagnostic and therapeutic approaches. Other investigators study patients with rare conditions whose features overlap more common conditions. Such study has revealed genes that have made fundamental changes in the way we think about human macular diseases. Still other investigators study the genomes of humans and certain model organisms to develop approaches for discovering disease-causing genes. A final group of investigators will develop animal models of human diseases and develop ways to treat these animals that will be applicable to treating human beings more effectively.

The Center presently occupies over 29,000 square feet over several locations on the Iowa City and Oakdale campuses. During the winter of 2001-2002, the Medical Education and Biomedical Research Facility (MEBRF) will be completed and parts of the Center will move to new quarters on the 4th floor. The Gene Discovery Laboratory, the Genome Research Laboratory, the Molecular Ophthalmology Laboratory, Cell Biology and Functional Genomics, and Computational Genomics will occupy space in the building with a net gain of 4,000 square feet of laboratory space. The Gene Therapy component will remain in its present location and space will be retained as well in the Eckstein Medical Research Building, the Engineering Building, and on the Oakdale Campus. In all, the Center will occupy 16,000 square feet of the MEBRF and 17,000 square feet in other buildings.



Medical Education and Biomedical Research Facility



Update

The Department of Ophthalmology and Visual Sciences is flourishing on all levels. We continue to attract among the best residents and fellows in the nation and the faculty is thriving. In spite of continuing reductions in reimbursement faced by all institutions and physicians, we are continuing to grow and continuing to enhance clinical, academic, and research in all programs. Although we moved into the Pomerantz Family Pavilion less than 5 and a half years ago, we have nearly run out of space. The original plans for the PFP included a third "pod" that will be occupied by the new Department of Radiation Oncology with continuity of space for ophthalmology on the first level. We have already renovated and expanded our Contact Lens Service, and the Iowa Lions Eye Bank will be expanding its program and moving to office space located on Mormon Trek. This will free up additional space and allow growth of the Refractive Surgery Service.

Since our last issue we have added a number of new faculty: two optometrists who divide their time between the Veterans Administration Ophthalmology Service, another Cornea and External Disease, Refractive Surgery subspecialist, and a full-time research scientist who will work in the Oakdale Research Facility and in the new Medical Education and Biomedical Research Facility (MEBRF) where the College of Medicine has committed an entire floor, 16,000 square feet of space, to the Center for Macular Degeneration.

At the end of September, Tracy Nichols, currently Director of Ophthalmic Photography at the Doheny Eye Institute, will take over as supervisor of ophthalmic photog-

raphy from Paul Montague, who has headed photography since 1976 and now is responsible for departmental computer science programming.

The William E. Scott Chair for Education in Pediatric Ophthalmology was recently established with an anonymous \$1.6 million gift to honor Bill Scott, the founding director of the Pediatric Ophthalmology and Adult Strabismus Service. Bill will be retiring in June 2002, but we hope he will actively participate in the education of students of pediatric ophthalmology and the clinical care of patients. Bill will continue to head the Coming to Your Senses vision and hearing screening program that is being supported in part by the Iowa Lions and Lions International in cooperation with ophthalmology and otolaryngology. Bill will also begin planning and implementation of a new ophthalmic technician training program to help alleviate the shortage of allied healthcare providers in ophthalmology.

Ron Keech, who will take over as director of pediatric ophthalmology, is leading the search for additional faculty. We hope to announce the results of our search within the year.

The 2002 Iowa Eye alumni meeting scheduled for June 13th – 15th will include a symposium honoring Bill for his contributions to pediatric ophthalmology and his life-long commitment to education and support of the department. We hope that many of his former fellows, colleagues, and friends will return for this festive occasion. Look for further announcements in the near future.

One of my biggest challenges is to find an ophthalmic pathologist to direct the Frederick C. Blodi Eye

Pathology Laboratory. We have newly renovated and expanded facilities, excellent staff support, and a large endowment to support the laboratory and faculty. We are fortunate to have two neuro-pathologists providing teaching and clinical service and the support of Bob Folberg via the tele-education program he started in Iowa to help us. Unfortunately few ophthalmology residents are pursuing careers in pathology. The likes of Ashton, Hogan, and Blodi are gone, and many of the giants in ophthalmic pathology are nearing retirement or have retired. Although the American Ophthalmic Society, with funding from the Heed Foundation and support from Research to Prevent Blindness, provide a generous stipend for qualified fellows in ocular pathology, few have taken advantage of the opportunity. In the near future only a handful of ophthalmology programs will have their own ocular pathologist. Most others will depend on pathology departments for education and clinical service.

By the time you receive this printed copy of the Iowa Eye newsletter, you will be able to also view it in color in an expanded version on the Internet. For Internet access – <http://webeye.ophth.uiowa.edu/dept/IAEyeNws/IowaEye.htm>

Look forward to seeing you in New Orleans during the annual meeting of the American Academy of Ophthalmology. The Iowa Eye Reception is scheduled for Monday, November 12, 2001, from 6:30 to 9:30 PM at the New Orleans Hilton Riverside, Oak Alley, 2 Poydras Street, New Orleans.

T.A. Weingeist

The William E. Scott Chair for Education in Pediatric Ophthalmology

The Department of Ophthalmology and Visual Sciences plans to increase the William E. Scott Chair for Education in Pediatric Ophthalmology Endowment Fund to \$2 million with gifts from friends, alumni, and patients. The endowment will help to support pediatric ophthalmology in the department's curriculum and will ensure that there is money to do research and to recruit faculty in pediatric ophthalmology.

Your gift will help make this dream a reality.

All gifts will be acknowledged by the University of Iowa Foundation and listed in printed and electronic formats.



The W. E. Scott Family, Iowa Eye Association Annual Meeting 2001

Check our website <http://webeye.ophth.uiowa.edu/dept/FUNDRAIS/> for the progress in meeting our goal.

Contributions may be made at <http://www.givetoiowa.org/scott-endowment>

The William E. Scott Chair for Education in Pediatric Ophthalmology Yes, I want to contribute to the endowment!

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Please Accept my gift in support of the William E. Scott Chair in Pediatric Ophthalmology.

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Please Make Check Payable to **University of Iowa Foundation**

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University of Iowa
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Iowa City, IA 52242-1091

CALENDAR 2001-2002

Clinical Conferences

DATE	TOPIC	GUEST SPEAKER
September 14, 2001	Oculoplastic Surgery	Philip L. Custer, MD
October 26, 2001	Neuro-Ophthalmology	Lynn K. Gordon, MD, PhD
December 7, 2001	Glaucoma	John C. Morrison, MD
February 1, 2002	Retina	Glenn J. Jaffe, MD
March 1, 2002	Cornea	Jerold S. Gordon, MD
April 19-20, 2002	Iowa Medical Society Meeting, Des Moines Iowa Special University of Iowa/Iowa Academy of Ophthalmology Combined Meeting features Anterior Segment	David F. Chang, MD
June 13-15, 2002	Iowa Eye Association Annual Meeting 2002 Symposium Honoring William E. Scott, MD Professor of Ophthalmology and Visual Sciences Founding Director of Pediatric Ophthalmology and Strabismus Alumni, colleagues and friends will be invited to participate in the program.	

Iowa Eye Association, inc.

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