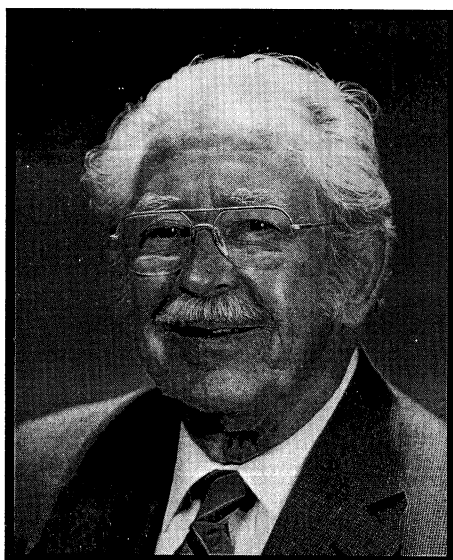


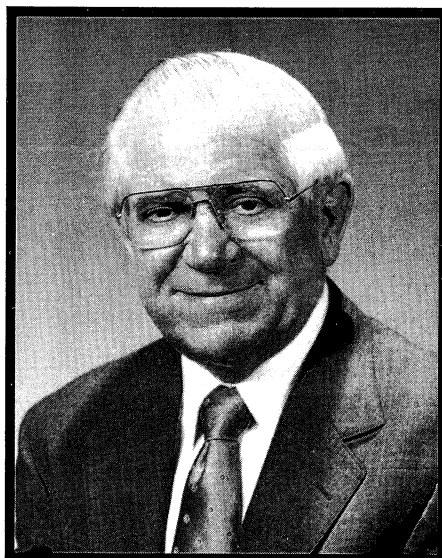
March 1990, Series 2 No. 13 (B)

error, actually #14!

IOWA EYE TO HONOR ALLEN & HANSEN



LEE ALLEN



KEN HANSEN

doctors, he made great strides in developing better ways of viewing the eye such as stereoscopic drawings and fundus photography, and in the design and development of prosthetic eyes and surgical instruments.

Ken Hansen, a life-long resident of the Iowa City area, has worked out of his home (progressing from his kitchen to his present spacious laboratory next to his home) since 1948, producing unique devices for eye research,

"Time, which antiquates antiquity, and hath the art to make dust of all things hath yet spared these minor monuments."

Sir Thomas Browne, 1658

June 7-9, 1990, Lee Allen and Ken Hansen will be honored by the Iowa Eye Association for their long and productive careers and many important contributions to The University of Iowa Department

of Ophthalmology and to the field of ophthalmology overall.

Lee Allen, born in Muscatine, Iowa, in 1910, worked in the UI Department of Ophthalmology from 1937 until his "retirement" in 1976. Before that, he studied art at the Cummings School of Fine Arts and The University of Iowa and was assistant to artist Grant Wood from 1934 through 1937. At the UI, in collaboration with various

(continued on page 6)

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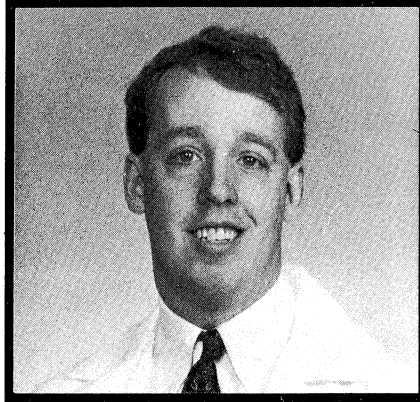
RESIDENTS & FELLOWS



Angela R. Bratton

The following physicians began residency or fellowship training in the UI Department of Ophthalmology in January 1990.

Angela R. Bratton was born in Hannibal, Missouri, and grew up in the mid-west. She graduated from Iowa State University in 1984 with emphasis in chemistry, zoology and psychology, and received her MD degree from The University of Iowa in May 1988. Dr. Bratton completed a transitional internship at Gundersen Medical Foundation/Lutheran Hospital in La Crosse, Wisconsin, in July 1989. Since that time, she has traveled and worked at the Newton Clinic and at State Hospital in Evanston, Arizona. She has also worked in various area emergency rooms. Her other interests include piano, physical fitness, cooking, and needlework.



David M. Brown

David M. Brown was born and raised in Texas. He graduated from Houston Baptist University in 1984, with a double major in biology and chemistry, and received his MD degree from Baylor College of Medicine in December 1987. He completed a transitional internship at Baylor in December 1988, and then traveled to Europe for 2 months. Prior to moving to Iowa City, he lived in Houston and worked in area emergency rooms. Dr. Brown is married to Julie Brown who is an obstetrical nurse; they have one son, Christopher. His other interests include sailing, running, softball and football, hunting and fishing, and all water sports.

Christina Prueger Johnson was born of Hungarian parents in Peru and graduated from high school in Lima, Peru. She received



Christina P. Johnson

her BA in biology from Rice University in 1984, and her MD degree from Baylor in June 1988. Dr. Johnson completed a transitional internship also at Baylor in July 1989, was married in August, and moved to Iowa City, where she settled in and took a history course at the UI. Her husband, Matt Johnson, is a resident in Family Practice here. Her other interests include softball, basketball, football, and playing piano.

Jane C. Edmond from Houston, Texas, began a one-year fellowship in Pediatric Ophthalmology. Dr. Edmond received a BA in biology from the University of Texas at Austin in 1981, and an MD degree from Baylor in 1985. She then trained as a medicine intern at Baylor for one year before starting her ophthalmology residency (completed in June 1989) also at



Jane C. Edmond

Baylor. She is married to Randal Weber, MD. Dr. Edmond's other interests include art, particularly painting.

Pinar Kirkali, from Ankara, Turkey, began a one-year fellowship in neuro-ophthalmology in January. Dr. Kirkali previously completed an ophthalmology residency and a fellowship in neuro-ophthalmology with Dr. Tulay Kansu. She has also completed course work on her PhD in neuro-ophthalmology at the Neurological Institute of the University of Hacettepe in Ankara. She is interested in pupillary function in the blind field in homonymous hemianopia and hopes to finish her PhD thesis on this subject. She has received a foreign fellowship from Research to Prevent Blindness to spend a year in Iowa with Drs. Kardon and Thompson gathering data for her thesis. She



Pinar Kirkali

will be working in the lab rather than in the clinic. Dr. Kirkali's 2 children, one in kindergarten and one in preschool, are here with her. Her husband is a urologist on the faculty of The University of Ismir (Smyrna) in western Turkey.

1990 MATCH RESULTS

The following applicants recently matched with The University of Iowa for ophthalmology residency training to begin in 1991-92: Louise A. Mawn, Bowman-Gray School of Medicine; Mark E. Morin, Stanford; Kenneth W. Neu, MD, University of Missouri (currently internal medicine resident at UI); Robin D. Ross, Cornell; Leslie Weil, Emory University; and Norman Zabriskie, University of Utah.

CONFERENCES ARE SUCCESSFUL

The concurrent clinical conferences for nurses and technicians that have been offered on clinical conference days this year have been extremely successful. Four full-day programs are being offered which are approved for continuing nursing education and ophthalmic technical credits through the Joint Commission of Allied Health Personnel in Ophthalmology. Attendance has thus far averaged 100 for each conference.

In addition, 5 three-hour networking sessions are being conducted which accommodate approximately 35 participants. Areas covered include "hands on" clinical sessions in such areas as slit lamp examination, fundus photography, and keratometry.

Sarah Smith, RN, Clinical Nursing Specialist, who has organized and planned the sessions, states, "A useful and pleasant result from this endeavor (particularly from the three-hour networking sessions) has been the tremendous interaction and strengthening of colleague relationships by personnel in offices in and around the eastern half of Iowa."

Similar plans for next year's concurrent programming are already in the making.

FACULTY PROFILE



H. Stanley Thompson

Dr. H. Stanley Thompson, Professor of Ophthalmology, was born in 1932 in North Central China where his Irish parents were missionaries. He attended an English boarding school in China until 1941, when he was placed in a Japanese concentration camp for enemy civilians until 1945. He returned for a few years to his parents' hometown of Belfast, Northern Ireland. After emigrating to the U.S. in 1949, he earned his BA in geography and anthropology in 1953 at the University of Minnesota. He also married his wife Delores during that time. He spent 2 years in the U.S. Army (where he went to photography school) and became a U.S. citizen in 1955. He completed his MD degree in 1961 at the University of Minnesota. When asked why he chose medicine, Dr. Thompson replied, "At age 5, someone gave me an old medical

diary full of pictures of pill cases and strange instruments. I found it endlessly fascinating and told everyone I was going to be a doctor."

His long association with The University of Iowa Hospitals and Clinics began with his internship in 1961. He completed his residency in ophthalmology in 1966, during which he also spent 6 months in New York in Drs. Lowenstein and Loewenfeld's pupillography lab at Columbia. Dr. Thompson began writing about "afferent pupil defects" after the UI Departments of Ophthalmology and Neurology purchased a Lowenstein-Loewenfeld electronic pupillograph machine in 1963. After completing his residency training, he spent a year with Dr. W.F. Hoyt in San Francisco on an NIH special fellowship grant studying neuro-ophthalmology.

Dr. Thompson's interest in neuro-ophthalmology, a subspecialty which did not exist until the 1930s, was spurred by his fascination with puzzling out lesions of the visual pathways. He enjoys working with patients and being in a large department where he can concentrate on his subspecialty.

In 1967, Dr. Thompson returned to the UI to do

neuro-ophthalmology at the invitation of Dr. Frederick Blodi. In 1976, he was promoted to Professor. His areas of research interest have centered primarily on the autonomic nervous system and the clinical evaluation of optic nerve function. Current research projects include pupillary signs as indicators of visual dysfunction and work with Dr. Randy Kardon (Neuro-ophthalmology) and Dr. Glenn Myers (Biomedical Engineering) in an effort to obtain pupillometric field studies of clinical usefulness.

The Neuro-ophthalmology Service of the department now is staffed by Dr. Thompson in collaboration with Dr. James Corbett of the Departments of Neurology and Ophthalmology, and Dr. Randy Kardon (a former fellow). Over the years, Dr. Thompson has trained 23 post-residency fellows in neuro-ophthalmology. Of those 23, many now hold full-time academic positions: Raymond Bell (76-77) is at Queens University in Kingston, Ontario, and will soon move to the University of Georgia in Augusta; Joel Weinstein (78-79) is at the University of Wisconsin in Madison; Terry Cox (79-81) is at the University of British Columbia and will soon move to the University of Utah in Salt

FACULTY PROFILE - THOMPSON

(continued from previous page)

Lake City; David Zackon (81-82) is at the University of Ottawa in Ontario; Charles Maxner (85-86) is in the Department of Medicine at Halifax Infirmary in Nova Scotia; Patty Johnston (87-89) is in the Neurology Department here at the UI.

Dr. Thompson belongs to numerous professional organizations including the Frank B. Walsh Neuro-Ophthalmology Society, the North American Neuro-Ophthalmology Society, the International Perimetric Society, and the International Neuro-Ophthalmology Society of which he was co-president in 1988. He is currently a director of the American Board of Ophthalmology.

Selected publications are listed below.

Thompson HS: Afferent pupillary defects: Pupillary findings associated with defects of the afferent arm of the pupillary light reflex arc. *Am J Ophthalmol* 62:860-873, 1966.

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Thompson HS: Pupillary signs in the diagnosis of optic nerve disease. *Trans Ophthalmol Soc UK* 96:377-381, 1977.

Thompson HS: Adie's syndrome: Some new observations. *Trans Am Ophthalmol Soc* 75:587-626, 1977.

Bell RA, Thompson HS: Relative afferent pupillary defect in optic tract hemianopias. *Am J Ophthalmol* 85:538-540, 1978.

Czarnecki JSC, Thompson HS: The iris sphincter in aberrant regeneration of the third nerve. *Arch Ophthalmol* 96:1606-1610, 1978.

Thompson HS, Corbett JJ, Cox TA: How to measure the relative afferent pupillary defect. *Surv Ophthalmol* 92:685-690, 1981.

Thompson HS, Montague P, Cox TA, Corbett JJ: The relationship between visual acuity, pupillary defect, and visual field loss. *Am J Ophthalmol* 93:681-688, 1982.

Thompson HS, Zackon DH, Czarnecki JSC: Tadpole-shaped pupils caused by segmental spasm of the iris dilator muscle. *Am J Ophthalmol* 96:467-477, 1983.

Thompson HS: Functional visual loss. *Am J Ophthalmol* 100:209-213, 1985.

Lam B, Thompson HS, Corbett JJ: The prevalence of simple anisocoria. *Am J Ophthalmol* 104:69-783, 1987.

Folk JC, Thompson HS, et al: Relative afferent pupillary defect in eyes with retinal detachment. *Ophthalmic Surgery* 18:757-759, 1987 (G.W. Weinstein Award for Best Article in 1987).

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ALLEN & HANSEN

(continued from page 1)

surgery and treatment that are in demand throughout the world. Ken Hansen produced some of the devices which Lee Allen designed. As the proprietors of Hansen Ophthalmic Development Laboratory, Ken and Esther Hansen have worked since 1948 manufacturing electroretinography devices in the beginning and gradually branching out into various other surgical devices; as doctors from the UI Department of Ophthalmology would present ideas and needs, Hansen would then design and produce instruments and devices, usually from a sketch made by an ophthalmologist or Lee Allen.

As early as 1939, Dr. P.J. Leinfelder approached Lee Allen as to whether it was possible to make stereoscopic drawings of the brain. The stereoscopic neuro-ophthalmology drawings done by Dr. Leinfelder and Allen were presented at the national AMA meeting and the AAO meeting in 1940. Of great influence on Allen's career was Dr. James H. Allen who wrote to Dr. C.S. O'Brien asking if the department was interested in doing motility implants. This collaboration produced the Allen implant and later the Iowa implant. Dr. Hermann Burian and Dr. A.E. Braley worked with

Allen on gonioscopy and the concept of embryonic development of the anterior chamber which greatly influenced the treatment of glaucoma. Allen worked with Drs. F.C. Blodi and A.E. Braley in developing ophthalmic photography; he designed the stereo-separator for three-dimensional fundus photography. He designed many instruments including the Allen-Braley gonioscopic prism for evaluating the anterior chamber angle. His work resulted in the co-authorship of 4 books and 54 published papers in peer-reviewed journals.

Since Lee Allen's so-called retirement, he has continued to work at his own company, Iowa Eye Prosthetics in Coralville, producing custom-made plastic artificial eyes as an outgrowth of his work begun at the University. In addition, he is now working again in the fine arts, painting and exhibiting his works. Allen says he feels best about the work he did which helped the most people and he has enjoyed every minute of his work throughout his life.

Ken Hansen has produced many instruments and devices over the years including Celofel, a surgical sponge which can be sterilized; the eye bank container for transport of eyes for cor-

neal transplantation; silicone rubber bulbs used in cataract surgery and eye irrigation; and the Ferguson clip designed by Lee Allen. In addition, Hansen has worked with the department in providing optician services, first with Kelly Optical and since 1962 with his own company, Hansen Optical. His business remains a family business; besides his wife, Esther, Hansen's children Pam, Penny and Gary, and Mrs. Hansen's sister, Mrs. Roland Hahn, have worked in the laboratory and/or the optical office. Barry Hahn, Hansen's nephew, now manages the office at the UI Hospitals, and Hansen and his son Gary manage Hansen Optical together. Hansen continues to work 7 days a week throughout the year at his large laboratory next to his home in Solon. He enthusiastically continues to produce new devices and instruments based on sketches made by UI ophthalmologists enabling them to carry on more productive research and improve surgical procedures.

FACULTY AND ALUMNI NEWS

Dr. Frederick C. Blodi, Professor Emeritus and former head of the Department of Ophthalmology, was recently given an honorary degree by the University of Vienna. The ceremony marked the 50th anniversary of his graduation from medical school at that institution. Dr. Blodi was also made the one and only honorary member of the Hirschberg Society, a society devoted to the history of medicine. Dr. Blodi translated Hirschberg's eleven volume series on the history of ophthalmology.

Later in the year, Dr. Blodi will be given another honorary degree by the University of Leipzig in recognition of his life-long accomplishments in ophthalmology and pathology.

Amresh Chopdar, FRCS Ed., D.O., an Ophthalmic Consultant at the East Surrey Hospital in Great Britain and former fellow with Dr. Sohan S. Hayreh (1978-79), has just published a beautifully illustrated book entitled: *Manual of Fundus Fluorescein Angiography*, which is available through Butterworths.

Joseph Eshagian, MD (completed residency in 1979, now in Los Angeles) and his wife, Dr. Faye Montegrando Eshagian, are the parents of a daughter, Josephine Nicole, born December 17, 1989.

Dr. Robert Folberg has received a grant renewal for his project titled "Experimental Model of Human Uveal and Conjunctival Melanoma."

Drs. Jose E. Pulido and Thomas K. Shires (Pharmacology) have been granted \$14,876 for a one-year grant to study "Ultraviolet Phototoxicity of Some Non-Steroidal Anti-Inflammatory Agents (NSAIDS) on the Retina of the Eye." The project is being funded by The University of Iowa Center for Health Effects of Environmental Contamination.

Dr. Thomas A. Weingeist has been elected to the Board of Trustees of the Association of University Professors of Ophthalmology. In addition to the 6-year term of office, he will chair the Research Committee and serve on the Resident and Fellowship Match Committee of the AUPO.

The Eye in Systemic Disease, a 230-chapter textbook edited by Drs. Daniel H. Gold and Thomas A. Weingeist, was recently published by the J.B. Lippincott Company. The book, which was written with 320 expert contributors, presents the state of the art in this field and should be of benefit not only to ophthalmologists, but to any other medical practitioners who desire the latest information on ocular manifestations of systemic diseases.

DEATHS

Joseph C. Dvorak, MD, who completed his residency at the UI in 1928, of Spirit Lake, Iowa.

C.H. DeVaul, MD, residency completed in 1932, of Walnut Creek, California.

CONTRIBUTORS

We are grateful to the many alumni and friends who so generously supported research and educational programs within the Department of Ophthalmology, such as . . .

CHARLES D. PHELPS MEMORIAL FUND

C. S. O'BRIEN RESOURCE AND LEARNING CENTER

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LIONS CLUB AND EYE BANK CORNEA RESEARCH FUND

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UPDATE



Several topics of interest were discussed at the Association of University Professors of Ophthalmology annual meeting in early February. Proposals to increase the length of residency training programs and to develop a universal central application service were of greatest concern.

Should ophthalmology residency training programs be increased from 3 to 4 years? The organization is split nearly in the middle with the majority voting not to endorse a 4-year requirement. Interestingly, more programs are making the transition from 3 to 4 years. Factors cited in support of increasing the duration of ophthalmology residency training include expansion of ophthalmic knowledge, ability to train bet-

ter, increased flexibility within programs, exposure to clinical and laboratory research, more time to make career decisions, added maturity to develop skills, less stress, reduced need for fellowship training, possibly favorable impact on reimbursement, and lengthened training of other specialties. Opponents argued there was no evidence we needed to increase the duration of training, and lengthening training would be more costly, a greater hardship for smaller programs, and disruptive during the transition.

With a solid 3-year residency program and a 6-month position for fellow associates at The University of Iowa, the advantages are not nearly as clear, but we are seriously considering the options of reducing the number of resident positions to 5 per year and increasing training to 4 years. I would be interested in hearing your views.

A proposal to develop a universal central application service for resident applicants was tabled during the AUPO business meeting. Although there was nearly unanimous agreement that a single form and central distribution system would be in the best interest of applicants since it would reduce the time and money needed to apply for residency, no one could figure out a fair and legal means of limiting the number of applications. In the 1990 ophthalmology residency match, the image of extreme competitiveness was due in part to the very high number of applications per student, an average of 26. Nevertheless, 75% of participating U.S. seniors matched. In 1990, 1,152 applicants registered for the match compared with 1,652 in 1985 for practically the same number of positions. The competition both to get into medical school and to obtain a residency in ophthalmology is less fierce than a decade ago.

Thomas A. Weingeist

COMING EVENTS

- March 7 **Forrest D. Ellis, MD**, Professor
Pediatric Ophthalmology, Indiana University, Indianapolis
- April 4 **Robert C. Kersten, MD**, Associate Clinical Professor
Plastic and Reconstructive Surgery, University of Cincinnati, Cincinnati
- April 29-May 4 ARVO
- June 7, 8, and 9 **IOWA EYE ASSOCIATION**
Holiday Inn-Downtown
- Honored Guests:
 Lee Allen
 Ken Hansen
- Braley Lecture:*
 Marshall M. Parks, MD, Clinical Professor
 Pediatric Ophthalmology, George Washington University, Washington, DC
- Guest Speakers:*
 Paul R. Lichter, MD, Professor and Head, W.K. Kellogg Eye Center
 Glaucoma, Cataract, University of Michigan, Ann Arbor, Michigan
- Robert C. Drews, MD**, Clinical Professor
 Cataract, General Ophthalmology, Washington University, St. Louis, Missouri

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CONCURRENT CONFERENCES FOR NURSES AND TECHNICIANS

- March 7 Networking Session (9:30-12:00, O'Brien Library)
- April 4 To Be Announced (9:30-3:30)
- June 8 To Be Announced (9:30-3:30)

IOWA EYE ASSOCIATION

JUNE 7, 8, and 9, 1990

The University of Iowa Department of Ophthalmology

Honored Guests: *Lee Allen and Ken Hansen*

10th Braley Lecture: *Marshall M. Parks, MD,
George Washington University
Washington, DC*

Guest Speakers: *Paul R. Lichter, MD Robert C. Drews, MD
University of Michigan Washington University
Ann Arbor, Michigan St. Louis, Missouri*

Programs will be mailed in March.

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Iowa City, Iowa 52242**

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The Iowa Eye News is published quarterly by the Department of Ophthalmology for friends and alumni of the Department.

Editor: E. Diane Anderson
Adviser: Thomas A. Weingeist, M.D.
Photographers: Ed Heffron
Ray Northway
Randy Verdick

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