

Director's Message

– Thomas Freddo, OD, PhD, FAAO
Director



It is both an honour and a pleasure for me to send you warm greetings as I begin my tenure as the Director of the School of Optometry here at the University of Waterloo.

This is an exciting time for Optometry, especially in Ontario, where the Health

Professions Regulatory Advisory Council has recently recommended passage of therapeutics and also expressed its opinion that opticians should not refract independently. This remarkably positive outcome for our profession is the result of many years of work, by many optometrists whom I have yet to meet. I salute each of you who worked so hard on behalf of our profession to achieve this result.

Clearly the legislative process must still run its course and the issues of additional didactic and clinical training remain unresolved. But I pledge to you that your alma mater will strive to provide the highest quality education and training to ensure that each of you enters this new and challenging realm of practice with competence and confidence in your disease management skills.

I am probably an unknown to most of you. So, in this first message, I'd like to provide you with a thumbnail sketch of my background and mention some of the factors that attracted me to

Waterloo. I promise you that my future messages will not be as long! I completed my OD at The New England College of Optometry and went on to complete a PhD in Anatomy at the Boston University School of Medicine. I was then presented with an opportunity to complete a year of Fellowship training in Diagnostic Ophthalmic Pathology at Boston University Medical Center. Upon completion of my Fellowship training I was offered a faculty position at the Boston University School of Medicine in the Departments of Ophthalmology, Pathology and Anatomy.

Prior to joining the University of Waterloo, my entire professional career has been spent at Boston University Medical Center, serving most recently as Professor and Vice-Chairman for Research in the Department of Ophthalmology and Professor and Senior Consultant in Ophthalmic Pathology in the Department of Pathology. Throughout my 24 years at Boston University, my responsibilities always included clinical practice, teaching and research. For most of that time I maintained a private, hospital-based practice of optometry, emphasizing management of anterior segment disease and specialty contact lens care, primarily in adults. I also served as the Director of the Eye Pathology Service for Boston University Medical Center. In this position I was responsible for making microscopic

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Optometry
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diagnoses of surgical pathology specimens submitted from the ophthalmic surgical staff and for training both ophthalmology and pathology residents in this subspecialty.

In addition to these clinical activities, I maintained an active research laboratory, funded by the US National Eye Institute, working principally on glaucoma and anterior uveitis. For the past 15 years I have taught the Human Gross Anatomy course at the New England College of Optometry and lectured in various courses in the medical curriculum at the Boston University School of Medicine.

Among my major service activities have been several officer positions in the Massachusetts Society of Optometrists. I have served on the Editorial Board of Optometry and Vision Science and currently serve as an Executive Editor for the Journal Experimental Eye

Research. I am a Fellow of The American Academy of Optometry (F.A.A.O.) and proud to serve as a member of the Academy's Board of Directors. In the research realm, I serve on the Long-Range Planning Committee for the Association for Research in Vision and Ophthalmology (ARVO) and was recently elected to serve as the next President of the International Society for Eye Research (www.iser.org).

Since accepting the Directorship, I have received numerous e-mails from colleagues around the world, within optometry and from the broader eye-care and eye research communities. The congratulations and well-wishes have been appreciated but more gratifying have been the uniformly laudatory comments I've heard about the worldwide reputation of this institution and its faculty. Who could resist an offer to lead such a vibrant program? It is a privilege to be a part of Waterloo Optometry.

My hope is that my years of clinical practice, teaching and research experience, bridging between the medical and optometric professions, will help Waterloo Optometry advance its new relationships with McMaster University School of Medicine and with the developing Health Science Campus and School of Pharmacy here at Waterloo.

Both challenges and opportunities await us in the next few years, as Optometry in Ontario, and throughout Canada, continues through the transition to therapeutic practice. Waterloo Optometry will be committed to supporting this effort, while maintaining its strength in traditional areas of vision care and research.

A tangible part of this commitment to superior education and training will be the new addition to the school. This needed expansion came about through the leadership and dedication of my predecessors, Drs. Graham Strong, Bill Bobier and Trefford Simpson, working in conjunction with Dean George Dixon and the university administration. I would like to thank each of them for their foresight and perseverance in this endeavour.

I am proud to join the legacy of excellence that is Waterloo Optometry. But, one person alone cannot meet the challenges that our institution will face in the coming years. I will need your advice and your ongoing support. In return I promise you a listening ear, a strong voice for optometry nationwide and both ethical and progressive leadership for Optometry's sole home in English-speaking Canada.

Please come for a visit, send me a note, share your concerns, and let me know your hopes and aspirations for our institution. Together with my wife Jan (who is also an optometrist) I look forward to meeting you. 



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Special thanks to all those who contributed items for the newsletter.

Optometry Building Expansion – Update!

– Gary Marx

We are happy to report that things are now proceeding for the long-awaited School of Optometry building expansion. In the last year we have been able to put together an architectural package that will go to tender this coming February. The tender submissions will then be reviewed and a successful contractor chosen by the University. With this progress, we anticipate that we will be able to break ground in mid 2007 and look forward to celebrating this occasion with all of our supporters. Construction of the new addition will then occur over the following eighteen months with an expected occupancy date of summer or fall 2008. A firm construction schedule will be determined once a contractor is selected.

The building addition is but the first phase of several needed to address our increase in program enrolment. Extensive renovations to the existing building are also required and will complete the essential enhancements. The renovations will include a complete public clinic overhaul as well as substantial changes to administrative support space. It is anticipated that the renovations will be staged in a series of steps in order to allow the public clinic to remain functional throughout the renovation period. Initial renovation plans will be reviewed and finalized following the finalization of the building addition tender package early next year.

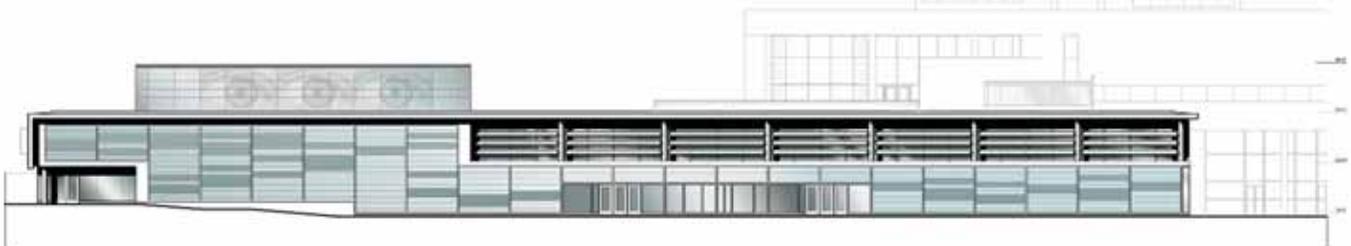
As you can well imagine, these changes are eagerly anticipated as we have accepted 85 students into the program this September. The class will grow to 90 students in the fall of 2007 and will be the last enrolment increase. By 2010, we will have reached

our full 360 student program size when all 4 years of the program will have 90 students.

We would like to thank all the generous individual and corporate donors who have made this expansion possible. With your support, we have successfully raised \$5.3 million toward our \$7.2 million campaign. Your willingness to stand by us during this time of growth is truly appreciated.



With \$1.9 million left to raise on our original campaign goal and an increasing budget for the addition and renovation of the School of Optometry, we would like to encourage you to consider making a gift to this important initiative. Our success relies on the support and involvement of our alumni, friends and corporate donors. To those who have already contributed, thank you. We hope that you will continue your support of the School and that all will join us to celebrate the opening of the new addition once completed.



With almost \$2 million left to raise in order to reach our expansion and renovation campaign goal of \$7.2 million, we are asking our alumni to stand by us during this time of growth and need by making a donation toward this important project. It is only through your involvement that we can continue to meet the demands of excellence in optometric education and the profession. 



Gift/Pledge Form

I/we wish to support excellence in education at the UW School of Optometry by supporting the expansion and renovation campaign.



Name _____ Phone _____

Mailing Address _____

Gift/Pledge Amount: _____ Pledge Period: _____ Years Start Date _____

Project: UW School of Optometry – Building Expansion and Renovation Project

Method of Payment:

I/we have enclosed an initial payment of \$_____ and wish to pay the remainder in installments.

Please send me periodic reminders:

Yearly Semi-Annually Quarterly Monthly

Cheque (Payable to: The University of Waterloo – School of Optometry)

Post dated cheques (Please attach all cheques to pledge form)

Credit Card

Visa MasterCard American Express

Card Number: _____ Expiry Date: _____

Other _____

Signature _____ Date: _____

Thank You For Your Support!

Charitable Registration Number: 11926 0685 RR0001

Please return this form to:

Andrea Carthew, Development Officer – School of Optometry, University of Waterloo
200 University Ave. West, Waterloo, Ontario N2L 3G1

Continuing Education 2006 – Dr. C. Lisa Prokopich

TPAs – We are almost there!

UW's Continuing Education program this year was one of the best programs yet! In anticipation of the TPA announcement, the School prepared for the best, and we got it! A 20-hour certificate programme was presented over three days, with a number of special events in between.



Dr. Blair Lonsberry

Not only were the speakers and the topics very well received this year, but we put on an "All Canadian" show! In addition, we united with our Reunion celebrations, and were very pleased to have two of our alumni, Drs. Loretta Ng and Blair Lonsberry, both graduates from the class of 1996 and optometric educators in the US. Dr. Ng is teaching at the Southern California College of Optometry while Dr. Lonsberry has recently moved from south to northwest from Southern College of Optometry in Memphis to Pacific College in Portland. Both treated us to various contemporary treatments in ocular disease. What a treat!



*Dr. Loretta Ng and
Dr. Paul Karpecki*

Speaking of treats, we were very grateful to have Dr. Paul Karpecki at our programme this year. Not only is Dr. Karpecki well known in the world as a specialist in anterior segment disease and treatments, he is an excellent lecturer, is a Waterloo alumnus and is from Northern Ontario as well!

This year's reunion celebrated classes who graduated in '01, '96, '91, '86, '81, '76 and older. A special thanks to the grads from the '40's and '50's who joined us, it was wonderful to have you here! We would also like to acknowledge the class of 1996 who, with roughly 20 people in attendance, had the largest.....and rowdiest group at the event!

For the evening, Dr. Paul Chris '76 was our master of ceremonies as we heard an update on the School and enjoyed a slide show featuring many of the alumni in attendance as well as some classic pictures of faculty and staff. As a special treat, Dr. Paul Karpecki was back, to lead us through a wine tasting during dinner. This was definitely a highlight for many of us in attendance as Dr. Karpecki is a member of the Master Court of Sommeliers and is on his second level certification.



Class of '96

An always popular element of our CE offering is the Optometric Assistants programme that delivered instruction over 2 days. Topics included healthy sight counselling, bifocal contact lenses, communication techniques in the optometric office, the leading causes of blindness, update of progressive lens designs, do's and don'ts of the optometry

We would like to take this opportunity to thank INNOVA Medical Ophthalmics, our presenting sponsor and CooperVision Canada for their generous support of our 2nd Annual Reunion Dinner. You helped make this event a success as we celebrated our alumni!

dispensary, triaging patients, updated contact lens materials as well as hands-on workshops covering lensometry, progressive addition lenses, proper neutralization and more. Look for Optometric Assistants programme in our June 2007 CE programme.

Once again we have had the opportunity to expand our CE Industry Information Trade Show on Saturday! A larger tent and more vendors over a lovely lunch....what an awesome testament to our profession and our industry. Our order for good weather was, for the most part, filled. Unlike last year, with almost 40° sweltering heat, this year's comfortable temperature and balmy breeze was ideal!

The highlight of Saturday evening's barbecue and dance was the music of our own rock n' roll band, The Lost Faculties. As Jerry Lee Lewis might have said, "The joint was jumpin'" and the dance floor was overflowing! A huge thank you to Lyndon, Bruce, Natalie, John, Ken, Rodger, Walter and Owen. A special mention to Owen (son of Dr. Ken and Ellen Hadley)... our pinch hitter was a "drummer extraordinaire" and no one attending would have ever guessed he hadn't been playing with the band forever!!

We would like to thank those alumni and friends who attended our CE this and other years. We so love to see you all come back and do hope you will join us on future CE events! Please mark your calendars for June 8, 9 and 10th in 2007 for more contemporary, relevant CE, including Woodruff and Bobier Lectures, Optometric Assistant's programming (see side bar), Trade Show, and some great alumni and otherwise celebratory events! 

All the best,

C. Lisa Prokopich



Dr. Jocelyn Faubert

We look forward to continuing the reunion tradition again during the CE weekend in June 2007. Graduates of 02, 97, 92, 87, 82, 77 and earlier should start thinking about getting your classes together to get as many people as possible to come out. With it being the School of Optometry's 40th anniversary since moving to the University of Waterloo, as well as being UW's 50th anniversary, it is a special year for many people and we hope we can be part of the celebrations of all alumni.

UW's annual CE would not be complete without the very special lectures and awards presented to two distinguished speakers. This year's Distinguished Emerson Woodruff award was presented to Dr. Jocelyn Faubert from the Université de Montréal whose title was "Beyond Acuity Measures: Perceptual Signatures for Normal and Abnormal Biological Alterations". This year's Distinguished Clair Bobier award was presented to Dr. Brenda Gallie and the topic of her lecture was "The World Retinoblastoma Citizen". As always, it is incredible to see a small peek into the extent that the profession and eyecare is being promoted and enhanced by some incredibly talented Canadian researchers.



*Dr. Brenda Gallie being presented award
by Dr. Jake Sivak.*

The Lost Faculties:

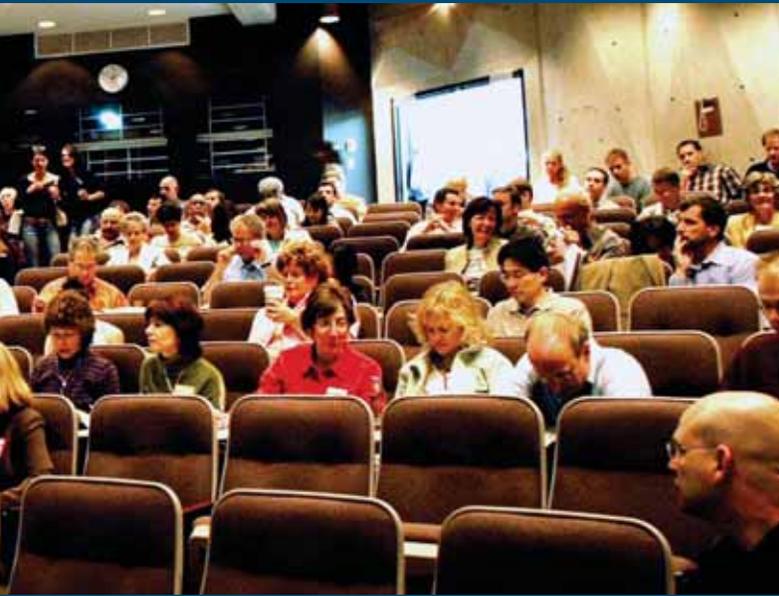
The Lost Faculties played the 2nd Annual Eye Ball at the Toronto Convention Centre as a fund raiser for ORBIS Canada on October 28th (see photograph below with Mary Walsh, the evening's "auctioneer"); the Australia Party at the AAO in Denver on December 9th as a fundraiser for Optometry Giving Sight (see poster page 18); Hockey Night in Waterloo, January 6th, 2007; Waterloo CE Weekend, June 9th, 2007; the RACH Tournament, Parry Sound June 23rd, 2007; and the CAO annual meeting, Saskatoon July, 2007. Hopefully see you at one of these events.





CONTINUING





EDUCATION



New technology, old friends and noteworthy research

After our considerable showing at ARVO 2006 (19 abstracts) and the BCLA (15 abstracts), we've spent the summer continuing to work on a number of studies in addition to calibrating our new metrology lab.

At both ARVO and the BCLA we reported a number of new research findings, including the following points:

- *Patients with conjunctival and corneal hypersensitivity score higher on a dry eye questionnaire.*
- *The cornea is a highly mouldable tissue: CRT® lenses for myopia and hyperopia induce significant structural and optical changes in as little as 15min.*
- *The corneal epithelial sub-basal nerve fibre layer of asymptomatic silicone hydrogel contact lens wearers is similar neurologically to that of non-contact lens wearers.*

We're very excited about our new, top-of-the-range metrology lab, which we'll be using to support studies of the performance of complex contact lens designs, such as toric and multifocal lenses. The lab includes a Rotlex Contest Plus, which measures lens power and power profiles, and a Sartorius Gravimetric MA-100, which will be able to measure the water content of soft contact lenses thermographically. Two of our summer students, Kim Tsang and Andrew Roy, focused on calibrating and verifying this instrumentation for us

with the help of our Research Manager, Craig Woods. We should be able to begin using the lab for studies shortly.

We also hosted a visit from Etty Bitton, an alumnus of UW Optometry and currently an Associate Professor at the Université de Montreal. Etty spent two months of her sabbatical working on elements of dry eye. Her work focused on the use of optical coherence tomography (OCT) to measure overnight variation in the tear meniscus. OCT has traditionally been used for retinal research, but CCLR researchers have developed a technique for using this technology to measure tear meniscus height. Another aspect of Etty's research has been the investigation of tear ferning (the varied crystallization patterns found in tears when they evaporate) in patients with and without dry eye symptoms. Her research was conducted in close contact with Lyndon Jones, with the help of optometry student, Adam Keech.

Our team approach to research was a secondary interest for Etty, and another reason she was drawn to the CCLR. She reports that while working here she was amazed at how research can proceed when everyone in the organization contributes to the smooth running of each study, and that she will take away from this experience a strong sense of camaraderie. 

Optometrists can keep current @ the Optometry Learning Resource Centre

The Optometry Learning Resource Centre (OLRC) provides 5 free information services to help alumni and CAO members stay current in the profession.

1. Access to the full text Web version of the Wills Eye Manual book
2. Access to the VisionCite journal index
3. Journal article photocopying and delivery (some limits apply)
4. Literature searches (some limits apply)
5. In-person library borrowing privileges at the University of Waterloo, Wilfrid Laurier University and the University of Guelph

Details of the services and passwords are available by emailing the OLRC at optlib@sciborg.uwaterloo.ca or at <http://www.optometry.uwaterloo.ca/olrc/od.html>

Graduation 2006 – Marie Amodeo

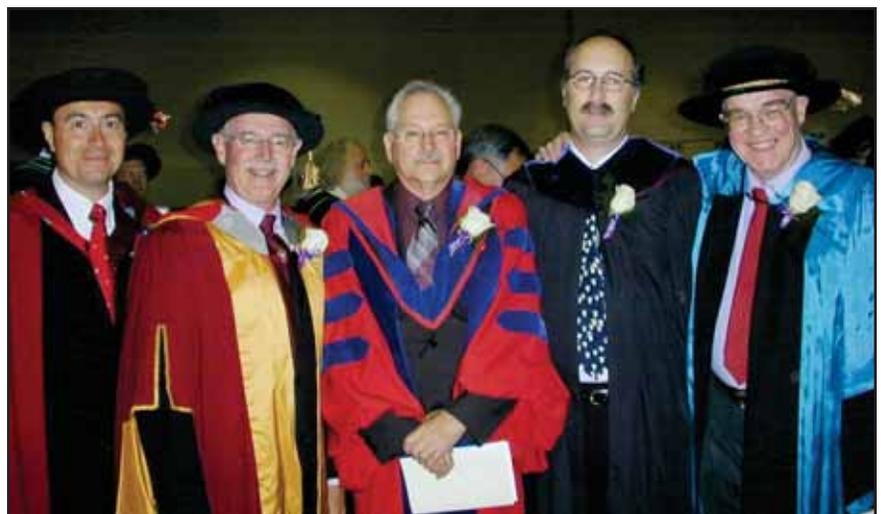
On June 13, faculty, staff, family and friends gathered to honour graduating students and their achievements in both didactic and clinical courses at the annual graduation awards ceremony. Dr. Scott Mayer obtained the top academic standing in the graduating class. Thirty one awards were presented. As well, there were 31 students on the Dean's Honours List (students must have an overall average of at least 80% to be on the Dean's Honours List). Dr. Marlee Spafford was presented with the Distinguished Teaching Award and Anne Weber was presented with the Distinguished Clinical/Lab Instructor Award. Guest speakers included Dr. Jacques Gresset, Director, l'École d'optométrie de l'Université de Montréal and Dr. Dorrie Morrow, President, Canadian Association of Optometrists. Many representatives from the generous award donors were also present.

Just prior to the awards ceremony, the School of Optometry held a special tree planting ceremony, in memory of Rachel Higgins. Rachel was an optometry student who died last August after a courageous battle with cancer. The class of 2006 would have been Rachel's graduating class. The School of Optometry also had requested that the University of Waterloo grant Rachel her OD degree posthumously. This request was granted and Rachel Higgins was awarded the Doctor of Optometry degree posthumously on June 14. Her father, Dr. Tom Higgins, accepted the degree on behalf of Rachel's family.



Kristin Murch, Joanne, Aaron, Jordan, Tom, Gillian and Adam Higgins, Dr. Graham Strong, Dr. Rodger Pace, Kristine Dalton.

Also at the convocation ceremonies on June 14, Dr. Howard Howland was awarded the Doctor of Science honoris causa for his outstanding contributions to vision science. Dr. Howland is one of the world's leading scientists in the study of the eye's optical properties and their development. Dr. Anthony Cullen was granted the title of Distinguished Professor Emeritus for his contributions to our understanding of ocular radiation hazards, as a teacher of clinical sciences, and his promotion of Optometry throughout the world. 



From left to right, Dr. Lyndon Jones, Dr. Anthony Cullen, Dr. Jacob Sivak, Dr. Trefford Simpson, Dr. Howard Howland.

Obituary – William Montgomery Lyle – Dr. T.D. Williams

Dr. William Montgomery Lyle was born 4 October 1913 in Summerside, Prince Edward Island, and died on 17 March 2006 in Kitchener, Ontario at the age of 92 years.

He studied Optometry at the College of Optometry of Ontario in Toronto, graduating in 1938. Dr. Lyle practised Optometry in Manitoba from 1938 to 1942. In 1941, Dr. Lyle joined the Royal Winnipeg Rifles as a second-lieutenant. After military training in Canada and England, Dr. Lyle landed in France with reinforcements in late June of 1944 (D-day was on 6 June 1944). He was at that time second in command of an anti-tank platoon, and continued with this unit until the end of hostilities in Europe in May 1945.

Dr. Lyle saw action in Caen and Calais, France, in Belgium, and participated in the liberation of Holland. He was discharged with the rank of Captain.

In 1946, Dr. Lyle resumed his optometric practice in Manitoba. He received his Doctor of Optometry degree in 1958. From 1955 to 1957, Dr. Lyle served as President of the Canadian Association of Optometrists.

Dr. Lyle undertook postgraduate studies at the University of Manitoba from 1958 to 1960, after which he began work on his MSc degree at Indiana University. He completed the MSc in 1963, and went on to his doctoral work, receiving his PhD in 1965. Dr. Lyle was the first Canadian to receive the Doctor of Philosophy degree in Physiological Optics (Visual Science). He served as a lecturer at Indiana University from 1962 to 1965, at which time he returned to the College of Optometry of Ontario (the forerunner of the current School of Optometry at the University of Waterloo).

Dr. Lyle joined the University of Waterloo when the Optometry program was integrated into the Faculty of Science there in 1967. Dr. Lyle was instrumental in developing the School's pharmacology curriculum, and also served as an expert adviser to provincial bodies regulating the use of pharmaceuticals by Optometrists. He continued on the faculty as a professor and as Director of Clinics (the latter from 1974-1977) until his retirement in 1982. Since that time, he continued to contribute to the academic life of the School of Optometry in various part-time and adjunct positions.

From 1979 to 1995, Dr. Lyle served as Editor of the journal of the American Academy of Optometry, the first non-US citizen to do so. He was the longest serving editor of the Academy journal.



left to right: Dr. Lyle's wife, Lorena, Dr. Lyle, and Stella Ruza, his long-time assistant during his time as Editor of the American Academy of Optometry journal.

Throughout his career, Dr. Lyle participated in continuing education programs for Optometrists and other health care practitioners. He lectured extensively throughout Canada and the US, as well as in the United Kingdom.

Dr. Lyle's research interests were broad, ranging from work on the inheritance of corneal astigmatism sponsored by the US Department of Health, Education and Welfare (his first publication on this topic appeared in 1951) to his last project on the genetic bases of eye disease. The latter project generated a large document which was published on the University of Waterloo School of Optometry webpage.

Through his long career, Dr. Lyle received numerous awards and honors:

In 1979, Dr. Lyle received the Canadian Association of Optometrists President's award.

In 1989, the University of Waterloo awarded Dr. Lyle the title *Distinguished Professor Emeritus*.

Also in 1989, Dr. Lyle received the award of *Life Fellowship* in the American Academy of Optometry.

In 1999, Dr. Lyle received the H. James Cobean Award from the Ontario Association of Optometrists.

In 2000, Dr. Lyle was the recipient of the John H. Carter Memorial Pharmacology Award and Prize, sponsored by Merck & Co.

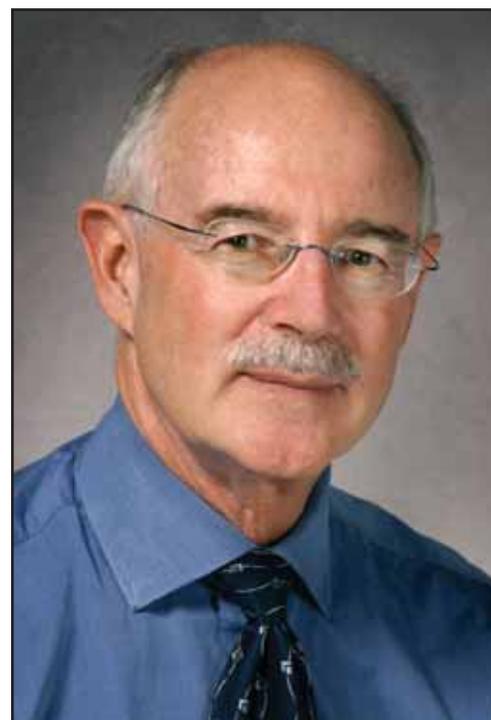
Dr. Lyle was a member of the following organizations:

Canadian Association of Optometrists
Ontario Association of Optometrists
The Genetics Society of Canada
Association of Schools of Optometry of Canada
Sigma Xi
American Optometric Association
American Academy of Optometry
American Society of Human Genetics
American Association for the
Advancement of Science

Dr. Lyle is survived by his wife of almost 50 years, Lorena; his children, Lesley, Joan, and Barb; his grandchildren, Bruce and Amy, Lesley-Ann and Derek, Laura, Lauren and Kaitlyn and his great-grandchildren, Kiera and Rogan. Dr. Lyle was predeceased by his first wife, Helen; brother, Ralph and his wife Thelma. 

US Honour for Dr. Cullen

Tony Cullen became the first Canadian to be inducted into the National Optometry Hall of Fame (USA) on Thursday 12th October 2006 at a luncheon in Cleveland, Ohio. He has joined only forty six living or deceased members including such luminaries as Charles Prentice, Irvin Borish and Henry Hofstetter. He was being recognized for his contributions as a clinician, educator, researcher, administrator, and volunteer. His research activities have included ocular circulation, contact lenses, and ocular environmental toxicology, specializing in the effects of non-ionizing radiation on the eye and environmental safety issues. A past-president of the American Academy of Optometry, Dr. Cullen has served on the American Optometric Association Council on Clinical Optometric Care and the National Board of Examiners. He has also served on the Council of the College of Optometrists of Ontario, and as a volunteer for the Ontario and Canadian Associations of Optometrists. Since arriving in Saskatchewan in 1967 he has been an active advocate for enhanced scope of practice for optometrists (including diagnostic and therapeutic agents) across the Southern States and in most Canadian Provinces. In retirement, he remains active in the World Council of Optometry, the United Nations Environment Program, AMD Alliance International, OGS Canada, and several other committees not directly eye related. 



The World Council of Optometry



The World Council of Optometry (WCO) attracted 250 optometric leaders from 45 countries to the May 2006 World Conference on Optometric Education (WCOE5), hosted by the Associazione Federativa Nazionale Ottici Optometristi and the Mostra Internazionale di Ottica, Optometria e Oftalmologia in Milan, Italy. Dr. Susan Cooper, Director, International Optometric Bridging Program, School of Optometry, University of Waterloo, delivered a presentation entitled “International Optometric Bridging Program – Working Towards Canadian Competency.”



Dr. Cooper explained the barriers to licensure faced by immigrant optometrists trained in other countries, including educational gaps; lack of

occupational-specific language; inexperience with clinical processes used in Canada; and cultural differences. She described how the School of Optometry at the University of Waterloo, in collaboration with the College of Optometrists of Ontario is developing the International Optometric Bridging Program to address this issue.



Dr. Lisa Prokopich, clinical lecturer for the IOBP with bridging students from Costa Rica, Colombia and Australia.

Bridging One has had 3 successful sessions to date with 22 internationally trained optometrists currently eligible to move forward to registration. Bridging Two, the more extensive one year bridging program is currently under development. Nineteen courses have been identified and learning objectives have been set. Specific course content is currently being developed with various faculty at UWSO.

WCO President Victor Connors says, “VISION 2020: The Right to Sight challenges optometry to train new personnel, improve human resources, strengthen the health care infrastructures and optimize technology. Dr. Cooper’s presentation exposed various issues facing optometric regulatory bodies when assessing the skills and competencies of foreign-trained practitioners.” 

Canadian Optometric Education Trust Fund Helps Make Our Expansion a Reality – Andrea Carthew

The UW School of Optometry would like to extend a heartfelt THANK YOU to the Canadian Optometric Education Trust Fund (COETF) for their generous \$250,000 commitment to help support our expansion and renovation campaign. This gift is particularly special to us since donations from COETF have come from CAO members, many of whom are our alumni. As we continue to increase enrolment and begin to plan for the ground-breaking of our new addition in early spring, it is wonderful to see such support toward this important initiative.

In recognition of COETF's gift toward the expansion of the School of Optometry, we will dedicate and name a room in their honour. The exact space is yet to be determined, however we will look forward to hosting a formal celebration and unveiling once the addition is complete.

With COETF's support, the School of Optometry has now raised \$5.3 million toward our \$7.2 campaign which is part of the multi-million dollar expansion and renovation project. "It is only through the involvement and generosity of our alumni and friends such as COETF, that we can increase enrolment and teaching space to provide more spaces to Canadian students and meet the demands of the profession" says Rodger Pace, Interim Associate Director of the School.

We truly appreciate trustees Dr. Calvin Smith (Chair), Dr. Susan Woodruff, Dr. Steve Mintz and the serving Secretary Treasurer, Canadian Association of Optometrists for their important roles in making this gift a reality. Thank you again COETF for supporting the School in this time of growth. We look forward to working together to educate and inspire the leaders of tomorrow in the optometric profession.

COETF was formally formed in 1976 as the vehicle through which the profession of optometry could contribute directly to its own development. Their goals are to support development of optometric manpower, development and publication of

research projects undertaken by optometrists, the development of capital aid resource and the establishment of a Chair of Physiological Optics and Continuing Education. 



COETF Trustees: Dr. Steven Mintz, Dr. Kirsten North, Dr. Susan Woodruff and Dr. Calvin Smith

Ken Hadley is on the school's clinical faculty and a member of the school's well-known Classic Rock band, '**The Lost Faculties**'. This past

April he and his wife Ellen completed a year-long recording venture which features his skills on a variety of instruments as well as Ellen's song-writing talents. The album's title is '**LIGHT WORK**' and is a spirited mixture of original Celtic rock, folk and roots music. Ken and Ellen are hoping to promote the CD at various live appearances over the coming months. Further details are available at www.ellenhadley.ca.



Tabb-Herzig Scholarships

Recognize Student Research – Andrea Carthew

The School of Optometry is happy to take this opportunity to express its gratitude to Dr. Sheldon Herzig and Cherry Tabb, founders of the renowned laser eye clinic, the Herzig Eye Institute in Toronto, for their generous gift to support student research awards.

The annual Tabb-Herzig Scholarships recognizes three outstanding optometry students or groups who have participated in a summer research project at the School and have submitted a paper discussing their topic and findings. One 2005 recipient, Jenny Tang, studied the “Association Between Mechanical, Chemical and Cold Stimuli Applied to the Bulbar conjunctiva Using a Belmonte Esthesiometer”.

“These scholarships are an excellent way for the School to further acknowledge optometry students for the important contributions they make to our research community” says Dr. Rodger Pace, Interim Associate Director of the School. “We truly appreciate Dr. Herzig’s and Ms. Tabb’s support toward our students and their research efforts.” Summer research projects provide students with an opportunity to explore their interest in research and consider furthering their studies in the School’s Vision Science graduate program, one of the largest in North America.

The establishment of the Tabb-Herzig Scholarships also signifies the importance of the relationship between optometrists and ophthalmologists in providing quality vision care to patients. “We are grateful for the opportunity to help support the research projects undertaken by outstanding students at the School of Optometry. We are very cognizant of the important role of Optometry in on going eye health care in Canada and the necessity

of quality research and education that encourages innovation, excellence and the highest standard of care for patients” says Dr. Herzig and Ms. Tabb.



From left to right they are: Lesley Ho, Ketha Sivasegaran, Brad Cumming, Joelle Zagury.

The Herzig Eye Institute has a clear commitment: to provide exceptional clinical results in laser vision correction by facilitating a partnership between world-class surgeons and eye care practitioners, thereby dramatically improving the quality of life through better vision.

Once again, the School of Optometry would like to say THANK YOU to Dr. Sheldon Herzig and Ms. Cherry Tabb for their ongoing involvement and support toward our students. Awards such as the Tabb-Herzig Scholarships provide essential resources needed to acknowledge and reward our talented students for the many contributions they make to the optometric community. 

OGS MEMBER RESEARCH Profile

The following Research Profile appears courtesy of the Optometric Glaucoma Society E-Journal, August 2006.
For further information about OGS or the E-Journal please go to <http://www.optometricglaucomasociety.org/>



Many OGS members are research-active, performing relevant and highly topical work that helps improve our understanding of glaucoma and provides an evidence-base for clinical practice. We would like to tell you about the work of these individuals.

In this issue we will profile founder OGS member John Flanagan, PhD,

MCOptom, FAAO, who is Professor at both the School of Optometry, University of Waterloo and the Department of Ophthalmology and Vision Sciences, University of Toronto, Director of the Glaucoma Research Unit, Toronto Western Research Institute, Senior Scientist at the Toronto Western Hospital, University Health Network and member of the Institute of Medical Sciences, Faculty of Medicine, University of Toronto.

Dr. Flanagan's research interests are primarily in the area of glaucoma. A major initiative for the last ten years has been working with a multidisciplinary team to understand the role of ocular biomechanics, particularly of the optic nerve and lamina cribrosa, in the pathogenesis of glaucomatous optic neuropathy. Finite element models have been developed using both generic and patient specific reconstructions of optic nerve region, in order to investigate the strains generated within the tissues following an increase in IOP. Of late the research has focused on the role of sclera in determining the optic nerves biomechanical response. The models have also led to the development of primary cell culture models of glaucoma that are capable of reproducing the biomechanical environment by controlled stretching of the human optic nerve head cells. Oxygen and carbon dioxide levels can also be manipulated to induce controlled levels of hypoxia. Along with investigating basic aspects of the cellular response to insult, the cell culture models have been used to probe mechanisms of neuroprotection.

Dr. Flanagan is also interested in the role of ocular hemodynamics in patients with glaucoma, including the investigation of retinal vascular reactivity and diurnal variations in ocular perfusion,

IOP, blood pressure and ONH topography. Research continues in the area of clinical psychophysics and imaging of the optic nerve and nerve fibre layer, and the understanding of the structure/function relationship. Additional research interests include investigating the role of sleep physiology in the development and progression of aspects of glaucoma, and the development of a sterile, universal, barrier system for contact ophthalmic devices.

Dr. Flanagan collaborates with a retinal research group and has a particular interest in diabetic macular edema, its natural history and the predictive risk factors for its development. This program of research has included the development of techniques to image retinal edema.

Dr. Flanagan teaches the basics of glaucoma to UWs first and second year students (Optom 155 and 255); the anatomy and physiology of the optic nerve to ophthalmology residents at the annual UofT based, residency training course; and is co-instructor of Optom 616, a graduate course on Experimental Methodology, that he established nearly 10 years ago. He remains one of North America's most popular lecturers on the professional continuing education circuit, and was recently one of the invited faculty for the inaugural World Glaucoma Congress in Vienna. Dr. Flanagan was a founding member of the Optometric Glaucoma Society and is program chair for the annual meeting. He is also responsible for the two annual OGS/AAO Glaucoma Symposia at the annual meeting of the AAO.

Dr. Flanagan currently holds 3 research grants from the Canadian Institutes of Health Research and has successfully supervised 25 graduate students. He has authored over 100 peer reviewed publications, 10 book chapters, 3 books, and a CDROM. Awards include the Claire Bobier Lecturer, University of Waterloo; the Certificate of Merit for Research Excellence, Glaucoma Research Society of Canada; the Springer Lecturer, University of Alabama; and the 2004 Glenn A Fry Award from the AAO. The award is given to a "distinguished Scientist or Clinician for his or her current research contributions." He was also a plenary lecturer at the 2003 AAO meeting. 



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Dance the night away while giving sight to millions

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Saturday, December 9, 8:30pm-1:00am
 Centennial Ballroom, Hyatt Regency, American Academy of Optometry, Denver 2006

See the Bad Habits and the Lost Faculties live on stage in the 'Bands Battle Blindness' Australia Party!



Bad Habits

Since their first gig at the College Talent Show at Ohio State University in 1987, Bad Habits has been entertaining optometrists at conferences around the country. Their slogan, "if you're not having fun, you're stupid" describes the fun-seeking crazy attitudes of band members Jules, Kenny, Tony, Pat, and Mark. They continue to practice Optometry when they aren't on stage playing rock and roll.



The Lost Faculties

The Lost Faculties were formed six years ago when students at the University of Waterloo in Ontario, Canada, challenged the faculty to take part in their annual skit night event. From these small beginnings the band has gone on to play regularly at events and fundraisers mixing classic and contemporary rock with R&B and the occasional ballad. Most of the band members are faculty and staff and include John, Ken, Natalie, Bruce, Lyndon, Herb, Walter and Rodger.

It is estimated that 250 million people are blind or visually impaired simply because they do not have access to an eye exam and a pair of glasses.

Optometry Giving Sight (OGS) funds long-term, sustainable programs that train local eye care professionals, develop infrastructure and deliver eye care and glasses to those in desperate need.

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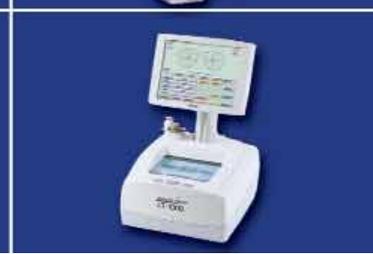
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CE on the SEA

For those of you still contemplating our TPA Continuing Education winter cruise offering, there is good news!

Though the original deadlines for guaranteed space on the cruise have passed, as of the printing of this newsletter, there's still room on board!

Be spontaneous and join us for 20 hours of great topical TPA CE, and the first of many parties for 2007 which marks the University of Waterloo's 50th Anniversary as well as the 40th Anniversary of the School of Optometry!

The boat is leaving January 7th for 7-days!

The 20-hour TPA CE will mark Dr. Thomas Freddo's first Continuing Education Lectures for the School of Optometry since accepting the position of Director in September 2006.

We are excited to have Dr. Freddo "on board"!

Dr. C. Lisa Prokopich and Dr. Beth Schultz promise to keep you entertained and up-to-date between ports with their lectures on various aspects of contemporary clinical ocular pharmacology and therapeutics.

Information for both the cruise and CE registration is available on our website at www.optometry.uwaterloo.ca, including a registration form for the CE. The cost for the lectures and 20-hour TPA certificate is \$650.00.

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