Director’s Message
– Paul Murphy, FCOptom, PhD, FAAO, FBCLA, FEAOO

Looking forward…

Time passes quickly!

It’s been over eight months since my arrival and I have had a busy time discovering more about Canada and Canadian optometry. I have had the opportunity to attend the OAO, CAO, and American Academy conferences, take part in meetings with CORA, and meet many of our esteemed alumni and friends. I have also had the opportunity to learn more about Waterloo’s programs and research. Can I say impressive? UW is well known internationally as a leading institution for optometry, but these few months have helped to show me why this reputation is well founded. It’s primarily the people: the School of Optometry and Vision Science is outstanding in its field and I’m excited to be a part of it and the profession in Canada.

It seems a long time ago now, but June was an exciting month for the School. We hosted our annual CE program and graduated ninety students from all over Canada. With these new members, it is clear that our profession is in good hands. I was also pleased to attend Convocation at l’École d’optometrie de l’université de Montréal and celebrate with them, and experience the francophone side of Canadian life – félicitations à tous!

There have also been several occasions to celebrate our alumni and faculty over the past few months. The first was during the CAO Congress in Edmonton, where we were able to announce our 2013 Alumni of Honour Award recipients, Dr. David Dobbelsteyn and Dr. Dan Hayhoe. Congratulations to these outstanding alumni! Then, at the recent American Academy of Optometry meeting in Seattle, we were proud to have a long list of awardees acknowledged. This issue of the newsletter will highlight accomplishments and awards, as well as the many other honours recently achieved by our faculty.

And it’s not just within the School that the profession has something to celebrate – we are moving forward across Canada, too. We can all also rejoice with Manitoba for its recent amendments allowing TPA prescribing rights – a success not just for us, but for our patients.

Looking to the future, it was a pleasure to welcome our new Class of 2017 to the School in September. Each new class is a reminder that we as a School need to keep looking to find new and better ways to do our job. And as part of that, I felt it would be helpful to share with you some of my thoughts on how to move the School forward over the next few years.
The main area that we are working on is the curriculum. The School has spent some time thinking about how to revise the curriculum for the OD degree, and we are making good progress in developing a new course structure. Since the last course review, much has changed in the scope of practice for optometrists, and while we have made adjustments to include these areas, this review gives us an opportunity to make root-and-branch changes. With these changes, we will have a more modern OD course available for new students, which will ensure we produce graduates suited for the needs of Canadian optometry.

Alongside the changes to the curriculum, we are renewing our focus on the urgent need to make the necessary Optometry Clinic updates to match the changes in our scope of practice. Our aim is to completely renew the clinical areas in the School building and make them appropriate for the needs of modern optometric practice. This will not be a question of new paint and carpets, but rather a fundamental shift in how we deliver care to our patients and how we train our student optometrists.

We are delighted that so many of you have already contributed to the financial costs of this renovation. Thank you!

The School is also working on revising the organizational structure that supports the core activities. There are three main pillars of activity at the School: clinic, teaching, and research. While each pillar has its own business, it is also supported by the others. With this in mind, we are looking to clarify the School’s internal structure in order to strengthen our overall work.

My first eight months as Director have been full of new experiences and new friendships. Thank you to everyone who has made me feel so welcome, and I look forward to meeting many more of you. I am encouraged by the great strengths I see in Canadian optometry, and excited about the path ahead!
In June, Waterloo School of Optometry and Vision Science was joint host, with The Hospital for Sick Children, of Child Vision Research Society (CVRS) 2013. This biennial event is dedicated to the vision of infants and children from basic science all the way to patient management, and includes infants and children with both typical and atypical development. It was the first international conference ever hosted at the School, and the first time outside of Europe and the UK for CVRS. It is truly an additional feather in the School’s cap!

The first two days were hosted in Waterloo at the School of Optometry and Vision Science, and the third day took place at the Health Sciences Campus in Kitchener. The organization committee consisted of Professor Susan J. Leat, Professor Carol Westall, and Clinical Professor Deborah Jones.

By general acclamation, the conference was a huge success and we have received many positive comments from attendees.

Our aims for CVRS 2013 were to bring together researchers from Europe and North America and to develop a more international presence for CVRS. The fact that delegates came from New Zealand, Saudi Arabia, Israel, the Netherlands, Czech Republic, Denmark, Slovenia, Germany, the UK, the US, and Canada confirms our success in achieving those aims. A total of 105 people attended and there were 73 presentations (papers and posters). Our keynote speakers were Susan Cotter (Southern California School of Optometry), Daphne Maurer (Department of Psychology, McMaster University) and Dave Saint-Amour (Department of Psychology, Université du Québec à Montréal). By our estimate, the total number of presentations was the 4th highest since the CVRS conferences began in 1987. We had a strong and diverse program of basic and clinical research, with topics ranging from amblyopia, refraction, and visual assessment to perceptual development, prematurity, ocular disease, and issues concerning children with developmental disabilities and low vision.

We were very grateful to our four sponsors: Good Lite, Essilor Canada, Cooper Vision, and Richmond Product. Their contributions did so much to ensure the success of this conference.
We have now launched our ambitious clinic renovation project, through which we plan to completely rebuild and reorganize our clinical facilities. This $8 million initiative comes at a critical time of transformation in both the profession and our program as we contend with the introduction of TPAs in Ontario, expanded class sizes, and an evolving curriculum in an aging building. Our clinic is at the heart of our program and we hope you will consider making a donation to this important project.

Gift/Pledge Form

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

Name ____________________________ Phone ____________________________

Mailing Address _______________________________________________________

Gift/Pledge Amount ___________ Pledge Period ____________ Years Start Date ____________________________

Project: School of Optometry and Vision Science – Clinic Renovation Project

Method of Payment

☐ I/we would like to make a one-time gift of $ ____________

☐ I/we would like to pledge $ ____________ and wish to pay in installments of $ ____________

Please send me periodic reminders:

☐ Yearly ☐ Semi-Annually ☐ Quarterly ☐ Monthly

☐ Cheque (Payable to: School of Optometry and Vision Science)

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

☐ Credit Card

☐ VISA ☐ MasterCard ☐ American Express

☐ You may use this credit card for all pledge installments.

Card Number ____________________________ CVV ____________ Expiry Date ____________________________

☐ Other ___________________________________________________________________________________

Signature ________________________________________________________________________________ Date ____________________________

Thank You For Your Support!

Charitable Registration Number: 11926 0685 RR0001

Please return this form to:
Andrea Carthew, Associate Director, Advancement
School of Optometry and Vision Science, University of Waterloo
200 University Ave. West, Waterloo, Ontario N2L 3G1
Standing Out at the AAO – Andrea Carthew

At the 2013 American Academy of Optometry conference from October 24-27 in Seattle, it was easy to feel Waterloo’s presence. It was wonderful to see so many of you there at our reception and throughout the conference presenting posters and attending sessions. We were proud to have had an extensive complement of award winners at this year’s conference. Congratulations to all of our 2013 AAO Award recipients!

Dr. Alex Hui – Frank W. Weymouth Student Travel Fellowship
This award primarily recognizes accomplishment and potential in optometric research and education. Academic abilities, including clinical abilities (if relevant), are considered. Being the presenter of a paper or poster is required.

Dr. Hui graduated with an OD from Waterloo in 2010 and is currently completing his PhD in the CCLR.

Drs. Marlee Spafford & Matt Iley – Dr. Lester Janoff Award for Writing Excellence
This award from ASCO recognizes the outstanding writing of a research article published in the ASCO journal *Optometric Education*. Publication excellence is judged on significance of the topic chosen, quality of the article, and potential impact. Co-authors were Annette Schulz from the Faculty of Nursing, University of Manitoba, and Ryan Kennedy from Johns Hopkins Bloomberg School of Public Health, Baltimore (Ryan completed his PhD at UW in Psychology).

Dr. Spafford graduated from Waterloo with an OD in 1982 and an MSc in 1985, and has been a member of our faculty ever since. She completed her PhD in 1998 and has held key administrative posts, such as Interim Director and Associate Director, Academics and Research, and Clinic Director. Dr. Iley completed his OD at Waterloo in 2003 and has been a part-time clinical instructor in our program while working in private practice.

Dr. David Elliot – Glenn A. Fry Lecture Award
This award is given to a distinguished scientist or clinician scientist in recognition of the quality, significance, impact, and relevance to optometry of his or her current research contributions. Dr. Elliot was an Assistant Professor at Waterloo from 1988 to 1995.

Dr. Tony Cullen – Life Fellowship Award
This honour provides recognition to those Fellows who have, through long-time membership in the Academy, rendered distinguished service to the science and art of optometry. Dr. Cullen is a retired faculty member (1978-2004) and former School Director.

Dr. George Woo – AAO-Essilor Award for Outstanding International Contributions to Optometry
This award recognizes individuals or organizations whose direct efforts and contributions have resulted in unquestionably significant and extraordinary advances in optometry and eye care internationally. An alumnus of our program (1964) and faculty member here from 1970 to 1996, Dr. Woo co-founded the Low Vision clinic and was founding Director of the Centre for Sight Enhancement.

Dr. Lyndon Jones – Max Schapero Memorial Lecture Award
This award is presented by the Cornea, Contact Lens & Refractive Technologies Section at the AAO to a clinician, researcher, or scholar who has made a significant contribution to the cornea and contact lens field through publications, lectures, or research efforts. Dr. Jones has been a faculty member at Waterloo since 1998 and is the Director of the Centre for Contact Lens Research.

Drs. Woo and Cullen with their awards at AAO 2013

Drs. Woo and Cullen with their awards at AAO 2013
Open access to literature is becoming a common term in the world of research. It is particularly relevant to practising clinicians who need access to relevant information to support evidence-based clinical diagnoses. More peer-reviewed journals are becoming freely available (see our Winter 2013 edition of this newsletter), so how can researchers and clinicians identify the best portals for searching this literature? The Witer Learning Resource Centre (WLRC) at Waterloo School of Optometry and Vision Science works with researchers who have an academic affiliation and optometrists practising in Canada who may not have access to subscription-based information.

To help support the optometric community, we recently analyzed four of our most popular search interfaces (research databases) to compare their coverage of our vision science journal collection. As with journals, some research databases are freely available and others charge subscription fees. While it might be assumed that a paid-for subscription database would index more sources, the results of our analysis show that, based on the number of journals indexed, this is not currently the case for the discipline of optometry.

WLRC staff identified 204 vision-specific journals provided by the University of Waterloo Library by using the following search string: periodicals AND (optometry OR ophthalmology OR eye diseases OR optics OR orthoptics). Two freely available search interfaces, PubMed and Google Scholar, were compared to Web of Science and Scopus (the two largest subscription-based interdisciplinary research databases) to determine how many of the 204 journals each indexed. The combined coverage of the two free search interfaces in fact indexed a higher number of these than the subscription-based databases. Additionally, only 10 titles found in Web of Science and Scopus were not indexed in either PubMed or Google Scholar.

Having identified the relevance of the freely available search interfaces, the next question would be: which of these is best to use? PubMed and Google Scholar are difficult to compare, as Google does not provide a list of the journals indexed, and the search algorithms are not made available for testing. It should be noted that Google Scholar also claims to search Medline, the primary database searched by PubMed. However, the accuracy and comprehensiveness of Google Scholar’s search of Medline has been questioned, as has been outlined in detail by Shultz1. Also, unlike PubMed, Google Scholar does not use controlled vocabulary to identify relevant articles, and it lacks useful filters for refining search results. Google Scholar generally returns more results than PubMed for a given search and brings the most relevant results to the top. These findings suggest that PubMed and Google Scholar are ideal databases for practising optometrists, based on journal coverage. They should be used together, however, in order to retrieve the most relevant and comprehensive results.

We would like to acknowledge and thank WLRC staff Mirka Curran and Janine Solis for completing the extensive journal comparison needed to make these findings possible.

Stay Current Through the Witer Learning Resource Centre!

The Witer Learning Resource Centre at Waterloo School of Optometry and Vision Science provides a range of free information services and resources for CAO members and our alumni (OD) due in part to a COETF grant:

1. Free access to the following online resources:
   a) Wills Eye Manual
   b) eTherapeutics+ (includes e-CPS)
   c) Ocular Manual of Diagnosis and Therapy
   d) Optometry and Vision Science (e-journal)

2. Literature search support at your request

3. In-person library borrowing privileges at University of Waterloo, Wilfrid Laurier University, and University of Guelph

Email us for full details (optlib@uwaterloo.ca)

Resources and services contingent upon continued funding. Limitations apply – see full details at: https://uwaterloo.ca/witer-learning-resource-centre/practising-optometrists

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Canadian Optometry Low Vision SIG – Susan J. Leat

We are pleased to announce that the School of Optometry and Vision Science is reactivating the Canadian Optometry Low Vision Special Interest Group (SIG). The SIG was started by Dr. Graham Strong under the aegis of the CAO some years ago and we are in the process of getting it going again. It will be headed by Professor Susan Leat. The goals of the SIG are to exchange information, promote group dialogue, and establish a model of low vision service provision for Canada. At present, low vision services are very fragmented and provision varies across the country. We will aim to support each other and work towards better and more comprehensive provision. It will also be useful to have such a list of low vision providers for inter-referral.

If you currently practise low vision at any level, are interested in doing so, or are simply looking to hear more about low vision, please contact Professor Susan Leat at leat@uwaterloo.ca.

Another Successful Year for our Bridging Program

The 2013 edition of the Bridging One program is now completed! Thirty-two participants were enrolled in the program, which involves both classroom and clinical experience. The International Optometric Bridging Program (IOBP) would like to thank the 25 Optometrists from across Canada who welcomed the Bridging One 2013 students into their practices as externs. Without this level of commitment, IOBP would not be the success that it is!

In 2014, we look forward to offering both a Bridging One and Bridging Two program. If you are interested in hosting IOBP students at your office, please contact us at iobp@uwaterloo.ca.
Congratulations to our 2013 Alumni of Honour Award Winners! – Andrea Carthew

During the CAO Congress in Edmonton in July, Waterloo School of Optometry and Vision Science was pleased to announce the 2013 Alumni of Honour Award winners.

This award was established as a way for the School and the profession to recognize the many exceptional graduates who continually give their time and energy to enhance the profession and give back to their communities. Recipients are nominated by their peers and recognized during the biennial CAO Congress. Past winners were David McKenna and Dorrie Morrow (2009) and Gordon Hensel (2011).

After reviewing the many wonderful nominations for 2013, Drs. David Dobbelsteyn and Dan Hayhoe were selected as our winners. What stands out about these two individuals is their commitment to helping those in need through charitable work, as well as their ability to foster relationships with other health care professions to advance new models for the delivery of eye care.

Please join us in celebrating their accomplishments and contributions to the profession, their communities, and beyond!

Dr. David Dobbelsteyn

Dr. Dobbelsteyn was born and raised in Fredericton, New Brunswick. He commenced his undergraduate education at Dalhousie University and then went on to complete a Doctor of Optometry degree at University of Waterloo in 1980.

Following graduation, he returned to the East Coast and practised for a year in Bridgewater, Nova Scotia, before joining his classmate Dr. Paul Gray in Halifax in 1981. Their general practice, with special interests in contact lenses, treatment of external eye disease, and pre- and post-refractive surgery care, continues to grow and currently includes five practitioners and 23 staff members.

David has been involved in many professional activities and committees. He has served as both Vice President and Council Member of the Nova Scotia Association of Optometrists (NSAO) and as Chair of the Comprehensive Eye Care Committee for many years. Recently he has been a lead investigator in a study looking at the percentage of asymptomatic patients who present for routine eye exams and end up requiring secondary care.

Dr. Dobbelsteyn is recognized as a founding member of the Eye Care Working Group (ECWG), a committee that started in 1994 with two optometrists, two ophthalmologists, and a shared vision for the eye care of Nova Scotians from birth onward. ECWG was key in establishing optometry as the first point of access for diabetic eye care and encouraging referral relationships with family doctors and ophthalmologists. It also promoted the “Red Eye, Diabetic and Paediatric Algorithms,” which outline the collaborative roles of optometrists, ophthalmologists, and family doctors in providing timely and exemplary eye care for patients in need. The initiative was so successful that the 2010 HPRAC report by the Ontario Government cites Nova Scotia’s eye-care model as a positive example of interprofessional collaboration. ECWG was also instrumental in securing the inclusion of optometry in provincial health care coverage.

For over 30 years David has been actively involved with Canadian Vision Care, a charity providing eye care to the underprivileged in developing countries. He continues to volunteer annually at a special glaucoma clinic located in the mountains of Jamaica.

David is also involved in many organizations in his community. His fundraising efforts have included the organization of community events and dances, and he
has co-chaired an annual fundraising event for the IWK Children’s Hospital and Eye Clinic for over 20 years. David has also coached youth basketball, hockey, and soccer and he has been a Beaver and Cub leader.

Dr. Dobbelsteyn married Cindy Macdonald, a speech-language pathologist, in 1984. They have two children, Erin and Gregory, who are now university graduates. In his spare time he enjoys kayaking, biking, hiking, skiing, golfing, and adventure travel, as well as spending time at his cottage.

Dr. Dan Hayhoe

Dr. Dan Hayhoe is from Smiths Falls, Ontario. He attended University of Waterloo for his undergraduate studies and went on to the School of Optometry, graduating in 1974. He then completed a residency at UW in paediatrics and contact lenses in 1977. Dan then became a lecturer in the Faculty of Science at the University of Benin in Nigeria, where he graduated the first 5 optometrists in Sub-Saharan Africa outside of South Africa. In 1977, he became a Fellow of the American Academy of Optometry.

Dr. Hayhoe has been running a successful practice with locations in Cambridge and Erin, Ontario, since 1978, and he has continued to stay on as a part-time clinical supervisor at the School. He took a leadership role in the establishment and development of the Health Sciences Optometry Clinic, the School’s satellite clinic in Kitchener. At this location, optometry works side-by-side with a family health team and McMaster University’s Michael G. DeGroote School of Medicine to provide collaborative teaching and interprofessional care. This initiative has proven a tremendous model for the provision of patient care and, under Dr. Hayhoe’s guidance, the Kitchener location continues to grow and expand to meet the needs of the diverse patient population of the area.

This would seem to be a full-time job in itself, but Dan and his wife Christine have another passion: providing education and health care to communities in need in Africa. This is a cause to which they, with their five children, have devoted their lives, having visited Nigeria, Ghana, and Malawi annually from 1976 to 2013. In 1994, they co-founded Future Vision Ministries, whose mandate is to minister to the needs of the whole person – spirit, soul, and body – through creative and relevant programming within the framework of social/ethnic heritage.

In 1995, Dan and Christine founded the Matunkha Centre for Rural Orphan Care and Development in Northern Malawi. The Centre strives to encompass a full range of activities and services, including a community-based facility for orphan care; a primary school; a secondary school scholarship fund; HIV-AIDS advocacy, education, and home-based care; clean water for 62 villages; agricultural and vocational training; rural nursery schools for pre-school orphans; a program to provide nutritional supplements; disaster relief; and university education funding.

Since 2007, Dan and Chris have facilitated the development of Taulo and Nandolo Centres for Early Childhood Development in Southern Malawi, and today they actively support ECD in these two regions through local leadership. The programs include daily feeding of 600 preschool children; the construction of two nursery schools; well drilling; sustainable agriculture; vocational training and income generating activities for the Empowerment of Women; HIV–AIDS awareness; testing, counseling, and referral; pastoral care and counseling; a fund for secondary and post-secondary students; and a program to provide free glasses, medical treatment, and surgery.

Much of what Dr. Hayhoe has been able to accomplish both at home and abroad stems from his passion and ability to build relationship with healthcare and education leaders. To further build on this, Dan takes up to four final year Waterloo interns for 6 weeks to Queen Elizabeth Central Hospital in Malawi as part of their PC-1 rotation.

Dr. Hayhoe has been recognized for his efforts through a University of Waterloo 50th Anniversary Alumni Award and two consecutive School of Optometry and Vision Science Distinguished Teaching Awards.
Waterloo School of Optometry and Vision Science once again hosted the annual CE conference over the first weekend in June. The theme for the 2013 program was Primary Care Optometry.

The weekend started off with our Friday program of speakers from the School’s faculty. Dr. Lyndon Jones discussed fitting children with contact lenses. Dr. Sarah MacIver provided clinical tips on how to incorporate nutrition into the management of patients with certain ocular diseases, such as AMD, dry eye, and diabetes. Dr. Marlee Spafford discussed the causal associations between smoking and eye disease. Dr. Tammy Labreche spoke on the need for optometrists to become more familiar with all risk factors for falls in an aging population and to address visual impairments that contribute to mobility issues. Dr. Paul Murphy, the School’s new Director, reviewed blinking action in the eye with suggestions for improving poor blink rates in patients. Dr. Lisa Christian discussed important concepts in pediatric and binocular vision care and how these relate to academic performance.

We were delighted to welcome back Dr. Paul Karpecki to the CE podium. He started things off on Saturday with a presentation on diagnosis and treatment of ocular surface conditions, covering ocular allergy, conjunctivitis, blepharitis, and dry eye. A new addition to our faculty, Dr. Kristine Dalton, then provided an overview of how sports vision care can be incorporated into primary care practice. To complete the day, Dr. Ann Plotkin addressed the issue of vision impairments in an aging population and how to access the appropriate services available to maintain quality of life.

On Sunday, Dr. Thomas Freddo discussed the general principles of medical laboratory testing and of certain imaging studies used in the work-up of patients with red eye. Dr. John Flanagan discussed why normal tension glaucoma is considered a primary open angle glaucoma and presented cases illustrating the relevant clinical issues and risk factors. The weekend then finished with Dr. Graham Strong offering information on the ethical and professional complications that arise when a patient has an eye condition that may make it dangerous to drive.

Waterloo School of Optometry and Vision Science’s impressive graduate (MSc and PhD) program also received some time in the spotlight. Seven of our current graduate students presented in rapid fire format (10 minutes per presentation) throughout the CE weekend. The students gave a brief overview of the research that they are undertaking. The presenters were Alex Muntz, William Ngo, Stacey Chong, Chau-Minh Phan, Hendrik Walther and Manlong Xu.

The recipient of the distinguished Bobier Lecture for 2013 was Dr. Melanie Campbell of the Department of Physics and Astronomy, University of Waterloo. Dr. Campbell’s current research interests include experimental and theoretical research in the optical quality of the eye and improved imaging of its structures. The title of her award lecture was “The Importance of the Eye’s Optics To Myopia, Ocular Diagnosis, and Therapy.”

The distinguished Woodruff lecture was awarded to Dr. Phil Hooper of the Ivey Eye Institute. The title of Dr. Hooper’s talk was “Diabetic Retinopathy Now and Into the Future: A Changing Paradigm and a Challenge For Care.”

As the weekend drew to a close, the attendees left with information related to management of anterior segment disease, management of glaucoma, what’s new in contact lenses, management of the low vision patient, sports vision, management of dry eye disease, and children’s vision.

Mark your diaries and stay tuned for information on CE 2014, which will take place June 6-8. Details will be posted at uwaterloo.ca/optometry-vision-science as soon as they are available.
**OA and Staff** – Marilyn Smith, OD

On CE Weekend, 43 optometric assistants and staff attended a series of sessions specifically dedicated to them.

Saturday began with our newest UW faculty member, Dr. Kristine Dalton, explaining the value of sports vision and the specialty concerns each athlete, whether professional or amateur, may have. Ruby Van Eeken spoke on the various programs and services available for individuals with low vision and partial sight through the Canadian National Institute for the Blind (CNIB). The morning session concluded with Alexandra Donkin highlighting lessons for selling and marketing success, and the presentation was kindly sponsored by CooperVision.

Melinda Szilva, UW Low Vision Rehabilitation Counsellor, started the afternoon session with incredible stories of resilience, connection, and rehabilitation from inspiring individuals who have shown strength and fortitude when dealing with difficult sight issues. Dr. Tammy Labreche, Low Vision and Geriatric Optometrist, presented “Falls and the Aging Patient,” which reminded us all of the many issues associated with aging, including reduced dexterity, mobility, and sight. The main portion of the day wrapped up with Dr. Lacey Haines, the School’s contact lens resident, discussing cases involving patients with special fitting criteria and visual demands.

To conclude the day, all of the OA and Staff delegates were invited to join the optometrists at the Woodruff Lecture, which was presented by Dr. Phil Hooper.

On Sunday morning, Dr. Tammy Labreche and Heidi Panchaud presented three one-hour workshops to familiarize delegates with the various needs of low vision and partially sighted patients. Participants were able to try on spectacles that simulated and sensitized various aspects of limiting sight situations. Discussion and hands-on practice with near vision aids and magnifiers help demystify some of the techniques for presenting and promoting several devices. The final hour consisted of a workshop on the use and fitting of an assortment of distance vision aids and field enhancers. All were delighted with the information received!

Thank you to all of our presenters. Each lecture and workshop was excellent and highly relevant to today’s optometry practice.

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**Industry Trade Show and Luncheon** – Marilyn Smith, OD

One of the highlights of CE weekend is the Industry Information Trade Show and Luncheon, which was held June 1 in the COETF Student Commons. Many thanks to our supportive companies that make the event such a success every year. This year’s participants were:

- Alcon
- Benson & Edwards
- Bausch & Lomb
- Bright Optical
- Cardinal Contact Lens
- Carl Zeiss Canada
- UW Centre for Contact Lens Research
- Centennial Optical
- CNIB
- CooperVision
- Essilor Canada
- HOYA Canada
- Innova Medical
- Johnson & Johnson
- MTSP Inc
- Nikon Canada
- Novartis
- OPTOS
- OSI
- Sjogrens’ Society
- Topcon Canada
- UWBookstore
- UW School of Optometry and Vision Science

Once again, Tiffany and her incredible staff from the Stone Crock in St Jacobs did a fantastic job of offering a wonderful array of finger foods and delicious “eye” catching desserts! Optometrists, optometric assistants, and optometric staff, as well as staff, faculty, and graduate students from Waterloo School of Optometry and Vision Science, enjoyed visiting the many company representatives and hearing the latest news from the ophthalmic world.
2013 Optometry Rack Pack and the CIBC Run for the Cure – Michelle Steenbakkers, OD

A heartfelt congratulations is to be extended to the 2013 Optometry Rack Pack, who raised over $18,000 in support of breast cancer research through the CIBC Run For the Cure. In the team’s inaugural year, they were the third-highest fundraising team for the Kitchener-Waterloo area. There were over 40 “Rack Pack” team members, including optometry faculty, staff, students, grad students, and family and friends of the School, all of whom walked or ran the 1km/5km race at Conestoga College, Doon Campus.

The Rack Pack would like to thank everyone who purchased “Cookies for the Cure” and participated in our First Annual Pink Ribbon Day on October 4. A special thank you goes out to Marie Amodeo for donating a lock of her hair for each pink ribbon sold.

The Run for the Cure was inspiring to all who attended – so be ready to tie up your laces for next year’s event, when the goal is to have multiple teams from optometry clinics nationwide join the “Optometry Rack Pack.”

The 2013 Optometry Pack Team Roster was:

Elizabeth Addesi
Marie Amodeo
Rose Badame
Bonnie Boshart
Nadeera Careless
Andrea Carthew
Heather Chin
Stephanie Chin
Debbie Clermont
Michelle Cvercko
Kristine Dalton
James Davidson
Karen Denys
Robert DesChamps
Wendy DesChamps
Jennifer Fleet
Mark Gough
Karla Hillis
Derek Ho
Natalie Hutchings
Elizabeth Irving
Debbie Jones
Lyndon Jones
Nathan Labreche
Tammy Labreche
Barb MacIver
Sarah MacIver
Keira Mayo
Michelle Pandey
Donna Riva
Sunita Shankar
Alisa Sivak
Alexandra Smith
Marilyn Smith
Kristin Snell
Marlee Spafford
Ulrike Stahl
Michelle Steenbakkers
Helen Tompa
Frank Tompa
Libby Watkins
Jill Woods
Josephine Woolley
Jessica Yang
Debby Yeung
It is with mixed feelings that we share with you that both John Flanagan and Kathy Dumbleton will be leaving the Waterloo School of Optometry and Vision Science to take exciting new positions internationally.

The University of California has recently announced the appointment of Professor John Flanagan as the 8th Dean of the Berkeley School of Optometry, beginning June 1, 2014. “He is one of those rare individuals who is able to cross the divide between clinical practice and research, and he brings an entirely new area of research to the school – one that is very central to the profession,” Dennis Levi, the outgoing UC Berkeley Dean, said when asked about John’s appointment.

Dr. Flanagan is currently a professor here at the School of Optometry and Vision Science, University of Waterloo, as well as at the Department of Ophthalmology and Vision Sciences, University of Toronto. He is Director of the Glaucoma Research Unit, Toronto Western Research Institute, and a Senior Scientist at the Toronto Western Hospital, University Health Network. He is also Executive Vice President of the Optometric Glaucoma Society.

John has held continuous federal research funding for over 25 years, with research interests that include basic mechanisms of human glaucoma, ocular imaging, clinical psychophysics, monitoring 24-hour intraocular pressure, ocular blood flow, and studies of vascular reactivity. He has supervised 42 graduate students and authored over 145 peer-reviewed publications. In addition, he has published 10 book chapters and 3 books, and has given numerous invited lectures around the world.

Kathy Dumbleton will also be leaving us, as of January 2014, to join Optometric Technology (OTG) Research and Consultancy as their Director of Clinical Operations. OTG is an independent research group based in London in the United Kingdom, but Kathy will be overseeing clinical trials conducted by the group in both Europe and North America. She will initially be based in Canada and will move to California later in the year.

Dr. Dumbleton is currently Head of Clinical Research at the Centre for Contact Lens Research here at the Waterloo School of Optometry and Vision Science. She is a council member of the International Society for Contact Lens Research and President of the American Optometric Foundation. Her research interests include the ocular response to contact lenses, compliance, and the measurement of ocular discomfort.

John and Kathy have each been working at the School for over 25 years, and have given much for the benefit of patients and students here. While their shoes are big ones to fill, we are excited for them as they embark on their new adventures. Congratulations to both! ☺️
From a head count of three to forty-five, and from a tiny room in the corner of the School of Optometry and Vision Science to a total of nine clinical consulting rooms, five wet laboratories, a private video-conference meeting room, and a study participant database of 6,000, it is no understatement to say that the CCLR has come a long way since 1988.

Since founding director Desmond Fonn’s retirement in December 2010, Lyndon Jones, flanked by research heads Kathy Dumbleton and Lakshman Subbaraman (see left), has continued to inspire the CCLR’s evolution as a world-class research facility specializing in the integration of clinical, laboratory, and socio-behavioural research centering on the eye.

Clinical Studies
We still perform clinical studies with participants, but we have extended our reach to push the boundaries of myopia control, working with young children as well as animal models.

For more details, visit our new website to download our organizational profile at cclr.uwaterloo.ca.
**Biomaterial Engineering**
We engineer model contact lens materials that are able to deliver ocular drugs to the eye and develop materials with enhanced material properties. We have expertise in the surface and bulk characteristics of contact lenses and care products, as well as their interaction with the ocular surface.

**Corneal and Conjunctival Physiology**
In addition to clinical observation, we have the capacity to study the anterior eye at a microscopic and cellular level, including the analysis of corneal and conjunctival cells.

**Microbiology and Toxicology**
Our lab is capable of studying bacterial binding and biofilm formation on contact lenses and lens cases, in addition to evaluating cytotoxicity and the viability of ocular surface cells.

**Tear Film and Dry Eye**
We are able to analyze the physical and chemical make-up of tears, examine live images of cell morphology, and assess ocular surface tissue, including the meibomian glands and lid wiper region of the eyelids.
The talented faculty, staff, and students here at Waterloo School of Optometry and Vision Science are frequently recognized for their research, patient care, teaching, contributions to the profession, and advancement of vision science. Please join us in congratulating several individuals for their most recent acknowledgements.

Dr. Murchison Callender received the MICA Award for Excellence from the Mount Industry Civic Association in St. Cartherine, Jamaica, in May. The award was given in gratitude for the vision care that Dr. Callender has been providing to the community of Mt. Industry, Jamaica. Dr. Callender’s involvement with vision care in the Caribbean began in 1974, and his team, which includes Waterloo Optometry interns and faculty, travels annually to Jamaica to provide care to communities in need. He is a Waterloo alumnus (OD ’68 and MSc ’73) and Professor Emeritus, and he continues in retirement to be a part-time clinical supervisor in our Contact Lens clinic.

Dr. John Flanagan was honoured by the Department of Ophthalmology, McGill University, with an invitation to deliver the Dario Lorenzetti Lecture on Ophthalmology Clinical and Scientific Research Day on June 7. Dr. Flanagan has been a faculty member at Waterloo since 1985 and is now moving on to be the next Dean at the School of Optometry, University of California, Berkeley.

Dr. Desmond Fonn was awarded the Donald R. Korb Award for Excellence from the Contact Lens and Cornea Section of the American Optometric Association. This award is presented annually to an individual who has been a true innovator in the field of contact lenses and anterior segment disease.

Dr. Fonn is a Distinguished Professor Emeritus in our program and is the founding Director of the Centre for Contact Lens Research.

Dr. Thomas Freddo has been honoured by the editorial board of the journal Investigative Ophthalmology & Visual Science. One of Thom’s first authored articles has been included in a commemorative book published by the Association for Research in Vision and Ophthalmology (ARVO) to celebrate the periodical’s 50th anniversary. Dr. Freddo has recently been appointed to serve another term as Consultant to the US Food and Drug Administration’s Ophthalmic Devices Panel of the Medical Device Advisory Committee. This Committee is responsible for review of all applications seeking FDA approval of new medical devices in the USA, including IOLs and contact lenses and ophthalmic surgical devices. He is a faculty member and past director at Waterloo School of Optometry and Vision Science.

Dr. Sarah MacIver has received the President’s Award from the Ontario Association of Optometrists for her extensive service to the profession and willingness to volunteer her time and expertise to assist OAO in communicating the role of optometry in primary eye care. Dr. Maclver completed her OD in our program in 2010 and is now a clinical lecturer at the School and Head, Health Sciences Optometry Clinic.

Raj Nellour Raveendran, a PhD candidate with Professor Bill Bobier, has won a place in the 2013 Summer School on Computational Sensory-Motor Neuroscience. This highly competitive program takes place at Queen’s University in Kingston, Ontario, in August.
The Primary Care and Practice Management Externship (PC-1) program is looking to include all interested practices as options for our PC-1 Externship rotation. PC-1 is a year round program in the fourth-year curriculum. Interested sites can choose when they would be willing to take on a student or even offer placements year-round.

Waterloo School of Optometry and Vision Science students are required in their final year to gain experience in private optometric practices in Canada. The PC-1 program consists of one entire term. Students must have a minimum of two PC-1 rotations and are encouraged to practise in a least two Canadian optometric sites that focus on primary eye care. The maximum allotment to one site is eight weeks of the PC-1 term. Students receive no remuneration for their time in your practice. We ask that the student have access to their own examination room for the majority of the time with you and that a variety of patients are booked for them to examine.

Students are expected to gain experience in all areas of private practice, including pre-testing, spectacle dispensing, contact lenses, office administration, etc. Supervisors have commented that the educational experience is a two-way street, in that they learn from the students while teaching them. As an educator, you are given the title of Clinical Instructor for the academic year and enjoy reduced entry fees to UW Continuing Education events, as well as direct and on-line access to the Witer Learning Resource Centre.

Students are currently looking for PC-1 placements for the following dates:

**Class of 2014**
- January 2–February 14, 2014
- February 17–April 11, 2014

**Class of 2015**
- April 28–June 20, 2014
- June 23–August 8, 2014
- August 25–October 17, 2014
- October 20–December 5, 2014
- January 5–February 20, 2015
- February 23–April 10, 2015

If you would like to be a PC-1 supervisor and are committed to educating and mentoring future Canadian optometrists, we would be happy to send you a practice profile to fill out and include in our PC-1 site choices.

If you have questions about the program please contact:

Marilyn Smith, RO
Head, Primary Care and Practice Management (PC-1) Externship
Waterloo School of Optometry and Vision Science
masmith@uwaterloo.ca
519-888-4567, ext. 32983
On June 1, during CE Weekend, the School hosted another successful Reunion Dinner for our alumni and friends, complete with entertainment from a jazz duo that included our very own Ken Hadley on the saxophone. Dr. Paul Murphy, Director of the School, was Master of Ceremonies and he added to the entertainment by revealing his own hidden talent. You had to be there, but let’s just say his Elvis imitation is rather good!

Our guest speaker for the evening was 1974 alumnus Dr. Dan Hayhoe. He shared his experiences in setting up and developing our Health Sciences Clinic in Kitchener and discussed his tremendous mission work in Malawi. He connected the initiatives by highlighting the importance of serving the needs of the full person. At the Health Sciences Clinic, Optometry works with the McMaster University’s Michael G. DeGroote School of Medicine and the Family Health Team to provide interprofessional care to patients. In Malawi, Dan and his wife Chris have established programs that range from children’s education to the teaching of sustainable agriculture to the provision of health and vision care.

We hope that all who attended enjoyed the evening and the opportunity to reconnect with classmates. The School always appreciates having you back. Of course, the event is only possible thanks to the generosity of our sponsor, INNOVA Medical. They have graciously supported all eight of our reunion dinners for a total investment of over $45,000.

Are you celebrating an anniversary year in 2014? If so, we hope you will consider making the School of Optometry and Vision Science’s Reunion Dinner part of the occasion. Look for more information on next year’s event in the Spring 2014 newsletter and at optometry.uwaterloo.ca/alumni.
We are recruiting for a new spectacle study!

**About the study**
If eligible, you would be asked to wear spectacles provided by us and attend the following visit schedule, for a total of 5 visits over approximately 5 months. Two pairs of spectacles will be worn using a frame chosen by you.

» **Visit 1** – Screening visit to determine eligibility – 1.5 hours
» **Visit 2** – Spectacle dispense (pair #1) – 0.5 hours
» **Visit 3** – Assessment after 3 weeks & dispense pair #2 – 1 hours
» **Visit 4** – Assessment after 3 weeks & dispense preferred pair – 1 hours
» **Visit 5** – Assessment after 3 months of wear – 1 hours

**Total time commitment** – 5 hours
The visits will include standard clinical procedures that you might encounter when you attend an eye exam.

**What are the requirements?**
» Spectacle wearers who experience symptoms of eyestrain.
» Prescription between -6.00 and +4.00D.
» Aged 18-38.

**Reimbursement**
In appreciation of your time you will receive a frame (your choice), complete with your prescription lenses. Parking tokens will be provided.

**What are we trying to learn?**
The purpose of this study is to investigate the effect of lenses on visual fatigue when they are prescribed using a specific method for measuring the prescription. The study is funded by Essilor International.

**How to participate**
If you are interested in participating, please call for more details or to book your appointment at 519-888-4742. Please provide the codename **Robin** for this study. You will be provided with all relevant study information prior to study enrollment and you are under no obligation to participate.