SCHOOL ACCREDITATIONS

As the fall weather sets in, it’s a good time to review the highlights of School’s activities this past year. We award the OD degree based upon continuing accreditation from the Accreditation Council on Optometric Education. This is a US based group that accredits all “OD” granting programs in North America and reports to the US Department of Education. At specified times, we receive an in-depth site visit and program review. We faced such a review in the fall of 2002. I am pleased to report that we received full accreditation. In keeping with that status, we will not expect another site visit for at least 7 years. One of the outcome measures used in the accreditation review was the performance of our graduates in national optometric board examinations both in Canada and the United States. The Committee noted that Waterloo graduates performed well above the average in both the Canadian (CSAO) examinations and the US National Board Examinations. Our graduate studies program was also reviewed by the Ontario Council on Graduate Study and provided our second site visit of the year. The committee reviewed our MSc and PhD programs in Vision Science. The report from the site visit was again very favourable.

SCHOOL EXPANSION

This September saw the second year of our expanded enrolment where we have been increasing the first year class in steps of 5 students per year until a class size of 90 students is reached. This year 70 students entered first year. By expanding our enrolment, we received a number of important improvements in our teaching resources. Lecture halls have been updated. The pre-clinic and the anatomy labs situated on the 4th floor have received significant renovations. You can see in the photos below that our pre-clinic has had a tremendous transformation. Many of you have seen our proposed 4 floor addition (30K sq ft) which will allow us to increase our class size beyond current levels. The funding for the addition is part of a university wide campaign in which the overall goal is to raise 7.2 million dollars. As is always the case in such a campaign, members of our profession are being asked to play an important role.

During this past year I have had the opportunity to talk with a number of you in regards to this expansion project. Many of you have indicated your support for what should see the repatriation of some of the 200 + Canadian students who must seek optometric education in the United States. The extensive debt in (US dollars) that often accompanies 4 years of study in the United States presents difficulties for their return to Canada. There is general agreement that the expanded enrolment will be an important step in ensuring that the optometric profession has sufficient depth to maintain its ever expanding role in primary vision care in Canada.
Professor Jake Sivak was named this year’s winner of the prestigious Proctor Medal from the Association for Research in Vision and Ophthalmology (ARVO). This medal was presented at the US based association’s annual meeting in May 2003 in Fort Lauderdale, Florida and recognizes Dr. Sivak’s outstanding research.

Dr. Sivak, who heads the Natural Sciences and Engineering Research Council Bausch & Lomb Industrial Research Chair in Vitro Ophthalmic Toxicology based at the University of Waterloo is very honoured to receive this award from the largest of the international eye research organizations.

This award was given in recognition of Dr. Sivak’s major contributions in comparative optics, developmental refractive changes and environmental effects on ocular development and lens refractive states. Dr. Sivak also presented a lecture at the ARVO meeting called “Through the lens clearly: Development and phylogeny.” Not to be outdone, the University of Waterloo School of Optometry hosted a reception to honour Sivak’s achievement.

Jake Sivak left his appointment as Dean of Graduate Studies last summer to continue with his research into more humane methods to test products safely without the use of live animals. His research is looking at developing a method to replace the Draize eye irritancy test, where large numbers of rabbits are often subjected to discomfort. Dr. Sivak’s research involves the use of bovine lenses acquired from abattoirs as an alternative method for toxicological studies and may be a more accurate representation of effects on the human eye than the Draize eye irritancy test.

This award marks only the second time that a Canadian has won this medal since it was first awarded in 1949. The other Canadian recipient was Professor David Regan of the psychology department at York University in Toronto.

Introducing Jake Sivak’s Proctor Award Lecture was his long time collaborator and friend Professor Howard C. Howland of Cornell University (right). The Award was presented by ARVO trustee Professor Larry Takemoto of Kansas State University (left).

Dr. Lyle marks his 90th birthday.

Dr. William Montgomery Lyle celebrated his 90th birthday on October 3rd, 2003, a day before his actual date of birth. Family, friends and associates gathered in the faculty lounge of the University of Waterloo’s School of Optometry to mark the event.

Dr. Lyle commented that he has had three careers: his years in private practice in Winnipeg, his years of service in the Royal Winnipeg rifles (with whom he saw extensive action in Europe during the Second World War), and his years of service as an educator. It was clear to all who know him that he has made a tremendous success of all three careers.

The photograph shows Dr. Lyle and his wife, Lorena, along with Stella Ruza, who assisted Dr. Lyle for many years while he worked as editor of the American Academy of Optometry journal. Dr. Lyle continues to work on a compilation of all genes which have an impact on the eye: this may be found in the Optometry Library webpage - www.uwaterloo.ca.
This morning we pay tribute to Dr. Marlee Spafford for her 6 years of stewardship of the Clinic. The Clinic Director is a unique position at the University of Waterloo. There is nothing that resembles this anywhere on this campus. We expect a great deal from our Clinic Directors. They not only deal with the many challenges and crises facing the clinic, but they are called upon to work for the School as a whole. They are key players in critical decisions that face the Admin Council and Undergrad Studies. Without question, Marlee, you have fulfilled the mandate of the Clinic Director fully. You have played a key role in such key events such as our latest and fundamental curriculum change. You have planned and represented the Clinic in our recent and successful Accreditation process. These are but two examples.

However, I know that your strongest ties come from the staff, students, and faculty working with you in the clinic. They have indicated their appreciation of your open door policy, the detail in which you have followed through on your tasks, and your capable steerage of a given project from its beginning to end.

I think the best words that fit on this occasion come from your very own clinic staff.

The day has come to bid farewell
To the woman we've all called 'boss'
As Clinic Director your appointment is done
And your departure will be our loss

You've been judge of play for many staff functions
That occurred in the clinic lunch room
You wore an apron to serve 'afternoon tea'
And once dressed as a witch...with no broom

Halloween, Easter, and Christmas pot lucks
Or a ‘Finger Food Friday’ event
Became more special to all who attended
When your humour and wit were lost

On Loonie Club days your performance was ‘ace’
Around the table you were a-movin’---
To draw two names, such fun it became
Just watching as you were a-groovin’!

A woman with strengths, among them respect
You displayed so much charm and such grace;
And when acknowledging others’ accomplishments
That genuine smile appeared on your face

And so we would like to thank you
For dedication, leadership and laughter
Your guidance and conduct as our Clinic Director
Will be remembered a long time after

— Sharron Dawe

Marlee, on behalf of the faculty, staff, and students at the School of Optometry, we sincerely thank you.
This is the second part in a series of articles reporting the School’s efforts to implement an Electronic Medical Record (EMR) system. In the first part of this series, Gary Marx provided a background and an overview of the project that now has begun. Gary reported that I, Maher Shinouda, would be leading the project and, as you can see; happily I have begun that process. This installment will provide the reader with an understanding of what value optometric offices can realize through an EMR, a synopsis of the process steps and where we are in that process.

Most healthcare organizations are suffering from paper-driven records that limit the ability to access, manage and maintain clinical information. The Electronic Medical Record (EMR) system promises to deliver higher quality patient care records with quick and reliable access to clinical information. The Institute of Medicine views the Electronic Medical Record as “the most essential of all elements of modern healthcare”. Many experts agree that information technology and EMR could significantly improve the quality of healthcare and reduce medical errors.

Issues and problems associated with using patient paper records are well known in the healthcare industry. Here are some of the common problems associated with the paper records at the School of Optometry.

• Possibility of patient records being lost/misplaced or damaged.

• Transfer of patient records between different clinics is cumbersome and can result in the temporary misplacement of records.
• Access to files for patient care, review, or research purposes is inefficient and locating files in a large clinic is often difficult.
• Possibility that one record required by multiple persons in different locations at the same time.
• Redundancy of work in some areas of the clinics.
• Storage of large number of patient paper records.

Optometrists at the School of Optometry are realizing the significant positive outcome of the Electronic Medical Record system and there is a general consensus on its advantages over the paper record. The EMR system will be of a great value in both teaching and research since information management will be enhanced and selecting a good, real life example will be greatly facilitated.

Some of the expected benefits of the EMR implementation are:

• Improves structure, organization and accuracy of patient records.
• Facilitates access to patient personal and eye care health-related information.
• Gives ability to view same information by multiple users in different locations at the same time.
• Eliminates the problems with the legibility of the handwritten paper files, greater accuracy.
• Improves the efficiency of processes such as data collection, data management and data retrieval.

• Facilitates access, communication and coordination of patient healthcare information.
• Provides a consistent way of recording the information between numerous staff members, interns, and doctors working in the clinics.
• Secures patient information from loss, modification or damage.
• Maintains patient confidentiality as only authorized users get access to patient information and system keeps track of who accessed/viewed a particular record.
• Improves overall healthcare and lowers costs.

The following are some of the main expected benefits to researchers and students at the School of Optometry:

• Facilitate research
• Facilitates retrieval of information with quick access to patient records, which in turn makes it easier to obtain statistical data from patient files or any other information for the purpose of research and providing better care to the community as a whole.
• View and compare similar health cases and see how they were handled.
• Control of their time.
• Better health professions education.

However, finding and implementing the right solution is a non-trivial task. Selecting the best system that meets with the clinical, business and administration needs of the School requires rigorous and thorough investigation and evaluation.

We started the project by documenting and analyzing the clinical
work processes of all clinics in order to determine the main functional requirements and identify the areas of improvement of the work practice. We took the P&P CIS system as the case study for deep evaluation. The P&P CIS system is a template-driven medical record based on the SOAP approach. These templates are customizable by the end user with the ability to write free text information in a variety of styles. It also provides over 50 clinical tests to capture all the necessary parameters required by most of our speciality clinics. The CIS system meets the Ontario College of Optometry regulations with regards to the electronic patient records.

During the first phase of the project we have reviewed three other systems (Visual-Eyes from Intuitive Information Interfaces Inc., Eyecom2 from HealthLine Systems Inc. and Ifile system from MSF Computing Inc.). Two of these systems capture only very basic information and provide limited numbers of tests with limited parameters. Both of these systems failed to meet our more extensive requirements of the School. The third system was also considered for evaluation but the vendor declined to participate in the project or to make the necessary improvements and changes to the system to meet our basic functional requirements.

An essential element of the success of any software evaluation project is the commitment of the numerous end-users of the system. The individual clinic heads were generous with their time and comments in evaluating the functional elements of the P&P system as well as in defining their unique requirements. We have discussed the clinics’ requirements and documented what additional functionality is required to make the CIS EMR system meet all our clinics’ needs. The P&P developers will work closely with us to do the necessary changes.

Our next steps include completion of the requirements definition and development/enhancement of the system by P&P staff. We will then begin more comprehensive testing and plan the implementation phases of the system.

Future phases we will be looking at are the leading edge technologies that promise to enhance and facilitate the use of the EMR system. The most promising technologies are:

- Wireless, portable devices: the pen-based tablet pc allows users to write freely and take notes that can be stored in their handwriting style or as typed text. It is a lightweight, slim device that can be easily carried and moved from one place to the other.
- Handwriting and voice recognition technology: promises to allow fast and accurate text inputs into the keyless devices.
- Biometry technology utilization: can be used for authentication purposes that allow only authorized users to access information. This technology has the ability to measure, analyze and recognize the human body characteristics such as voice patterns, fingerprints, etc. This functionality exists in the current P&P CIS product.
New Clinic Director

July 2003 saw a new face in the Clinic Director’s office. Dr. Marlee Spafford’s six-year term of office came to an end and Dr. Deborah Jones became the new Clinic Director.


In 1992 Debbie became a partner in two optometric practices in London, England with her husband Lyndon, who is also now on faculty at the Optometry School. The practices, which were almost 100 years old when they were taken over by Debbie and Lyndon, quickly grew as they were refurbished with the most up-to-date equipment and imaging systems and a marketing plan was implemented locally to make people aware of the importance of regular eye examinations for all ages. The practice became well known locally and nationally, in particular for its extensive work in the areas of contact lenses and paediatrics. In 1995 and 1996 the practice was voted UK Contact Lens Practice of the Year in the annual “Optician” magazine Awards and in 1997 was voted by an independent panel of judges as UK Eyecare Practice of the Year.

In addition to having previous experience of working in various hospital departments in the UK, teaching binocular vision and contact lenses at the Institute of Optometry in London, and industrial research – with Bausch and Lomb – Debbie has published 15 articles in optometric journals, presented over 25 posters at conferences in Europe and America and lectured extensively on the examination and management of the paediatric patient in clinical practice.

Since arriving in Waterloo she has enjoyed travelling to a number of Canadian provinces, lecturing on a variety of topics, including examination of the paediatric patient and the management of ocular emergencies. She is looking forward to leading the Optometry Clinic at Waterloo through a challenging time over the next six years, with the increased enrolment of students entering the program necessitating expansion and reorganisation of the clinical teaching.

25 Year Club

Four members of the School of Optometry were inducted into the University of Waterloo’s 25 Year Club at a reception held in the PAC Complex on June 17th, 2003.

Gina Sorbara | Lecturer
Tony Cullen | Professor
Jim Davidson | Computer specialist
Gary Marx | Administrator

Renovation to the 4th floor laboratory space – Patricia Hrynchak

To accommodate the increasing enrolment of students, the 4th floor laboratory space of the Optometry Building was significantly renovated from May until August of this year. The pre-clinic was expanded to 24 booths from the previous 16 and now includes a demonstration lane. The optics labs were renovated and updated to improve functionality. The pathology/physiology laboratory was changed to a multipurpose laboratory to accommodate the teaching of pathology/physiology, contact lens, and mechanical optics laboratories. There is also a small meeting room, office space, and updated washroom facilities. There will be more information on this renovation in the next issue of the newsletter. (See cover photos.)
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Seminars are held on Tuesdays at 12:30 pm in OPT 347. All alumni are welcome to participate.
Continuing Education 2003 | THE BIG CHILL

Gary Marx | Administrator

Last June’s annual UW Continuing Education featured Eyecare & Aging II: The biggies – “Glaucoma” and “The Macula”. We again had the pleasure of hosting many internationally renowned speakers, including Dr. Bernard Fresco (2003 Woodruff Lecturer), Dr. Christine Curcio (2003 Bobier Lecture in Vision), as well as Drs. Murray Fingeret, Ike Ahmed, Tom Sheidow, and Rick Davis, and our own, Drs. John Flanagan, and Trefford Simpson.

Several new features were highlighted in our 2003 program. Our normal 2-day event was expanded to a third in order to present a symposium devoted to Continuous Wear Silicone Hydrogel Contact Lenses, presented by the School of Optometry’s Centre for Contact Lens Research. Responding to suggestions received from past programs, we also included a topical Optometric Assistants Program, allowing optometrists and their staff to benefit from the joint weekend of continuing education. This program was very well received, and therefore the Optometric Assistants Program will be a continued feature at our annual CE events.

O’Toole’s law: “Murphy was an optimist”. So, when you plan an outdoor event for the first time you are going to encounter record low temperatures and rain? The most challenging program innovation this past June was the expansion of our tradeshow through the use of a large tent erected in the Optometry parking lot. Relying on years of good weather during our June CE events, we felt confident that we would have no problem with weather. Well, as southern Ontario residents can attest, the best laid plans... Despite the lack of weather cooperation, the rain subsided just as the barbecue and evening entertainment was about to begin. The Lost Faculties, our own world renowned rock’n roll band, brought the house down and were convinced to not just do an encore, but an encore set! They were fabulous and those who braved the sub 10 degree C temperatures fended off the cold by dancing the night away.

CE 2004

Diabetes in Optometric Practice & the Eye in Systemic Disease
Mark your calendars now for June 12th and 13th 2004 for our Annual Continuing Education Program. It promises to be an interesting and exciting event.

DAY 1 - Diabetes in Optometric Practice
All optometrists are concerned about the alarming information released recently by the Institute of Clinical Evaluative Studies (ICES) regarding reduced access to diabetic eye care in Ontario. In light of this, a one-day program will be offered to emphasize relevant aspects of care for the growing population of patients with diabetes. Practitioners will enjoy lectures including updates on non-retinal complications of diabetes as well as new advances in diabetic retinopathy and macular edema. Demographics and diabetic control markers which help to predict problems will be explored, with a view to better enable us to provide excellent care to our patients; from counseling to making highly educated referrals.

DAY 2 - The Eye in Systemic Disease
We so often publicize how the eye is related to systemic disease, such as diabetes and hypertension. Continuing from the day on diabetes and its complications, we will present lectures on other systemic diseases relevant to optometric practice, from diagnosis to management. This is your chance to review some of those rare and not so rare systemic diseases with relevance to the eye with a view to honing your detective skills and, ultimately, patient care.

Optometric Assistants Program
With the success and terrific feedback from last year, we are delighted to announce that we will be offering the Optometric Assistants/Staff Continuing Education Program again this year. Whether your staff have been hired recently or have years of experience, this CE day will be interesting and relevant to all. Lectures will include updates in ophthalmic products, diabetes in the primary eyecare practice (one of the main themes of the Optometric Continuing Education) and workshops. The workshop sessions will be a variety of hands-on experiences designed to hone your skills or learn new techniques from the experts!

Our ever-popular Tradeshow returns to the big-top Saturday, June 12th featuring more relevant exhibitors to both optometric assistants and doctors, along with a splendid lunch to get everyone through the afternoon! Saturday evening, following the Bobier Lecture an entertainment extravaganza is planned to rival last year’s enormous success. Back by popular demand, the School of Optometry’s own Lost Faculties will rock the tent just as they did last year. A dance floor, barbecue and of course libations, will end the first day of the 2-day weekend in style.

Mark your calendars and book early by contacting Ms. Elizabeth Reidt, professional services co-ordinator by email ejreidt@uwaterloo.ca or phone 519.888.4567 ext. 3177.
Mombasa, Kenya

This summer, Karen Yu, a fourth year UW student, had the opportunity to go to Mombasa, Kenya for her ocular disease externship. Mombasa is the second largest city in Kenya and lies along the eastern coast of Africa. Luckily, the externship was during the rainy season and she was spared the discomfort of high temperatures and humidity.

While in Mombasa, Karen worked at the Lighthouse for Christ Eye Center, one of many non-profit organizations working with the World Health Organization to promote Vision 2020 – The Right to Sight. The goal of Vision 2020 is to eliminate avoidable blindness as a public health problem by the year 2020. This program had been brought up in class, but Karen had never expected that she would be able to participate in its progress.

Once a week, the team would head out to a remote village in a van loaded with VA charts, reading glasses, hand-held tonometers, penlights, ophthalmoscopes, and various drops and medications. On arrival at the village, people were screened for glaucoma, cataracts, and other visual anomalies. Those who were identified as having problems were loaded onto the van or were given money for transportation back to the Lighthouse for further treatment. Karen recalls a day when she was squished into the back of the van with about ten patients and two live chickens (someone’s dinner). She also recalls hitting her head at least five times against the roof of the vehicle as the van passed through particularly rough areas in the road. It was worth it though, because the patients were high-spirited and eager to receive treatment.

Besides refractions and ocular health evaluations, one of Karen’s responsibilities at the Lighthouse was removal of bandages the day after cataract surgery. One little old lady who had no light perception in both eyes prior to treatment said after seeing Karen for the first time, “I see teeth! Look at all her teeth!” Neither Karen nor the patient could stop smiling.

Working in Kenya was an immensely rewarding experience and Karen hopes to be able to work there full time after she graduates.

Graduation 2003

On Thursday, June 12 2003, the graduation award ceremony was held at the School of Optometry.

This ceremony honoured graduating students and their academic performance in both didactic and clinical courses.

Twenty-five awards were presented. Dr. Kalyn Burroughs obtained the top academic standing in the graduating class. As well, there were twenty-seven 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. T. David Williams was presented with the Distinguished Teaching Award and, for the second consecutive year, Dr. Debbie Jones was presented with the Distinguished Clinical Teaching Award. Guest speakers included Dr. Scott Mundle from the Canadian Association of Optometrists.

At the convocation ceremonies on Friday, June 13, Dr. Matt Iley presented the valedictorian address for the Faculty of Science.
The OLRC Vision Science Collection focuses on optometry, physiological optics, and ophthalmology. Many of these resources are available through the Internet and are highlighted on our Optometry Electronic Library web page, http://www.lib.uwaterloo.ca/discipline/opt/index.html. Through this web page you can gain access to the University of Waterloo's library catalogue, the homepage of other Optometry schools, national and international optometric associations, clinical practice guidelines, and much more. Also available are links to the following four databases which, in combination, provide access to the majority of vision science research published in the journal literature.

VISIONET (http://www.visionet.sco.edu/)
Visionet was created and is maintained by the library staff of the Southern College of Optometry in Memphis, Tennessee. It was originally conceived as a unique index to optometric literature. It now claims to be the most comprehensive index to optometry literature available anywhere, indexing over 220 largely vision science-related journals.

Visionet can be used as an alternative to PubMed. Though PubMed indexes a vast array of biomedical journals, it does not index many of the staple optometric journals. These include the Journal of Behavioural Optometry, Canadian Journal of Optometry, Optometric Management, and Optometric Education.

VISION SCIENCE REFERENCE DATABASE (http://www.bausch.com/us/resource/visioncare/cclr.jsp)
Bausch & Lomb, in conjunction with the University of Waterloo Centre for Contact Lens Research (“CCLR”), offers the Vision Science Reference Database. It contains information and abstracts from the most current articles on subjects in ophthalmology and optometry, focusing on contact lens topics from over 40 professional journals. It is a free service to eye care professionals, educational institutions and vision science researchers.

COCHRANE EYES AND VISION GROUP (http://www.cochraneeyes.org/)
CEVG is an international network of individuals working to prepare, maintain and promote access to systematic reviews of interventions to treat or prevent eye diseases or visual impairment. Abstracts of these reviews are freely available online through the Cochrane Library and the full papers can be ordered directly. Newly published reviews include “Interventions for normal tension glaucoma” and “Orientation and mobility training for adults with low vision”.

Produced by the National Library of Medicine, PubMed provides citations, many with abstracts, to the world’s journal literature in the fields of medicine, ophthalmology, nursing, dentistry, veterinary medicine, the health care system, and the preclinical sciences. Sources include over 3,900 current biomedical journals published in over 70 countries. PubMed is freely available through the Internet and provides a sophisticated search interface with controlled medical subject headings.

Flanagan Honoured

On August 16th, 2003 Dr. J. Flanagan was honoured by the School of Optometry, University of Alabama in Birmingham, where he gave the 2003 Springer Lecture, entitled “New Approaches to the Diagnosis of Diabetic Macular Edema”. Dr. Flanagan was the fifth Springer Lecturer, a series of lectures that was established in recognition of Dr. D. A. Springer, former President of the American Academy of Optometry and an influential figure in the history of the profession in Alabama and in particular the establishment of the School of Optometry at UAB.
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This past fall, Bill Bobier and I had the opportunity of meeting with practitioners in Manitoba, Saskatchewan and Alberta. This followed a positive response to the School’s expansion campaign at the CAO meeting in Halifax this past July. As Bill indicated, we have been encouraged by the response of Canadian optometrists to the School’s expansion.

Many of you have been and continue to be strong supporters of the School. Your generosity is greatly appreciated. I would encourage optometrists across Canada to consider increasing your current donation or making a first time pledge specifically identifying the expansion of the Optometry building.

The University of Waterloo School of Optometry gratefully acknowledges those optometrists who have donated at the leadership level of $10,000 or more towards the building campaign:

- Dr. Dorothy Barrie, Saskatchewan
- Drs. Bruce and Lori Robinson, Saskatchewan
- Drs. Garth Webb and Mary Lou Riederer, British Columbia
- Drs. Judith Brisson and Rodger Pace, Ontario
- Dr. John Jantzi, British Columbia
- Dr. Steve Garrett, Ontario
- Dr. Scott Mundle and Michelle Georgi, Manitoba
- Dr. Bob De Mara, Alberta
- Dr. Larry Kanters, Alberta
- Dr. Paul J. Gray, Nova Scotia
- Drs. Grant, Lutzi and MacDonald, Ontario
- Dr. Brian L. Trump, Alberta
- Dr. Kan Chhatwal, Ontario
- Dr. Len Koltun, Saskatchewan

In addition the School is deeply grateful to Dr. and Mrs. Harold Wilkinson of Saskatchewan who have provided a donation in excess of $90,000 that will be targeted towards student scholarships.

As can be seen, support for the continued growth of our profession extends across the country!

Our future...

...that’s what I thought about when I made the decision to support the expansion of the School of Optometry at the University of Waterloo.

Some might think that the expansion – and the accompanying increase in enrolment – would provide only more competition for patients. I believe the reverse is true.

More practitioners will ensure that optometrists will be the ones taking care of the primary vision needs of our “aging” patients as the need for eye care increases.

I would also like to see students obtain their education in a Canadian school, rather than leave the country and return with tremendous debt loads, which many times gives them no other choice but to pass up independent practice. I also want to ensure my future, because I know that down the road I will be on the lookout for an optometrist to continue my practice.

For all these reasons, I invested in my future. Please consider investing in yours.

Dorothy Barrie, UW OD ’90

Did you know that you can access the Museum’s archives through the Internet? It is now possible to search for items in our collection from the museum’s website, http://quark.uwaterloo.ca/~museum/. CHECK IT OUT!