Good
IMPRESSIONS
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UBC Faculty of Dentistry
The University of British Columbia

Pain, Pain, Go Away

By Dr. Chris Peck

Pain management is a major problem in our society. Thirty-one percent of Canadians suffer from chronic persistent pain, with over one-third complaining of pain in the oral and facial regions and three-quarters rating their pain as moderate-severe. It is debilitating. With an average of 23 days lost at work annually for each and every working adult, sadly, 80% of us will die in pain.

These statistics are disconcerting as almost all acute and cancer pain can be relieved, and many patients with chronic non-malignant pain can be helped. Poor pain management arises partly from erroneous beliefs such as pain is part of healing or pain is not a good indicator of patient well-being or pain patients will become addicted to painkillers.

In fact, pain can prolong healing and result in complications. It is promoted as the fifth vital sign to be assessed whenever pulse, blood pressure, temperature, and respiration are monitored. Controlled, prescribed medication, almost never leads to addiction in pain patients.

Steps have been taken to improve pain management: we are currently living in the "Decade of Pain Control and Research" as declared by the U.S. Congress, and chronic pain management is becoming a standard part of dental and medical curricula.

At UBC, a multidisciplinary team that includes dentistry, clinical psychology and physiotherapy manages pain in the orofacial region. Patients are referred from throughout the province from both dental and medical practitioners to the patient-centered Orofacial Pain and Temporomandibular Disorders (OFP/TMD) Clinic. The clinic is also involved in research directed at improving patient care, and undergraduate dental and postgraduate Oral Medicine Residency and General Practice Residency pain management education.

A typical patient who attends the OFP/TMD clinic has already visited ten or more health care practitioners and has a 10-year history of moderate-severe pain that severely limits work, family and social activities. With pain duration of this magnitude, it is no wonder that depression, anger, worry, feelings of hopelessness, and sleep problems are common.

The Orofacial Pain and Temporomandibular Disorders Clinic can ease your pain with help from Dr. Chris Peck and his team including student Mike Melo, general practice resident Dr. Lordanna Musacchio, and oral medicine resident Dr. Eli Whitney.

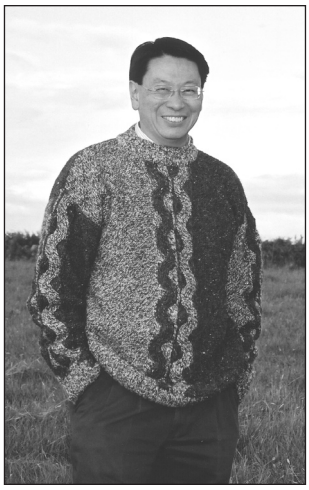
When compared to the acute pain patient, who is frequently seen in the dental office, the OFP/TMD patient's management is much more intensive and complex. The coordinated treatment aims to restore function, reduce pain and disability and teach specific skills to cope with chronic pain.

To improve patient management, the clinic's research focuses on the effectiveness of a structured multidisciplinary management program and simple self-care strategies; relationships between musculoskeletal shape and patient symptoms; the design of tailor-made interventions for bruxism (teeth grinding/clenching); and the validity of screening exams to detect susceptible patients. The latter is important since patients with a short history of high pain intensity and muscle pain have been shown to more likely develop chronic pain. Earlier rather than later treatment of such susceptible patients may indeed be all that's needed to control these symptoms without the need to sing *pain, pain go away*…

For further information on the Orofacial Pain and Temporomandibular Disorders Clinic including patient appointments and research please contact the Specialty Clinic at the Faculty of Dentistry at (604) 822-9660.

The Gift of Knowledge:
A thank you to donors and recipients

By Dean Ed Yen



The season of graduation ceremonies has just passed and another legion of hopeful oral health revolutionaries takes up the challenge to slay the dragon that threatens the oral health of our society. While these new graduates bring the latest in newly acquired skills, high tech armamentarium and even futuristic concepts of health care delivery, the most powerful "instrument" in their dental armamentarium is a gift. The gift comes from a diverse group of stakeholders linked by their commitment to dental education at UBC and to the future excellence of Dentistry.

This is the gift of knowledge.

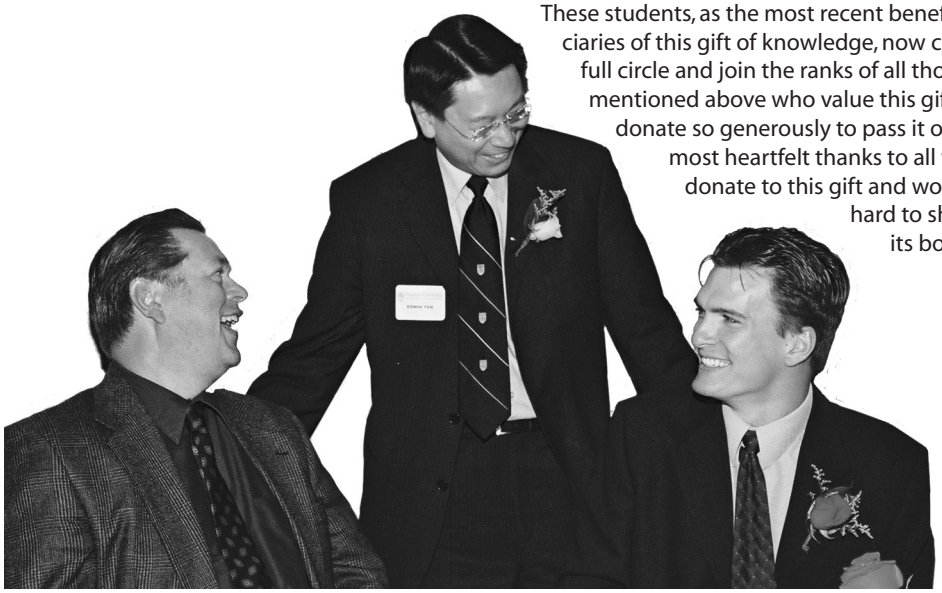
Knowledge is truly a gift in that it requires sharing the intimate essence of other people. It requires their filtering of generations of science and discovery tested by the experience of real life. This is a gift not only to each cohort of new graduates but also to the community of health professionals and to society as a whole.

The contributors to this treasury of knowledge include the full- and part-time teachers who could never be truly reimbursed financially for their time and effort. It includes the support staff who work so diligently in the background and yet ensure that the educational process is efficient and effective. It also includes the many supporters and donors who understand so well the fragility of the entire educational enterprise.

New discoveries in oral sciences, innovative advances in techniques and biomaterials, futuristic applications of high tech equipment, radical concepts in health care delivery and economics: these require constant reinvestment of the educational environment just to stay current let alone to move ahead. The beneficiaries include not only the undergraduate and graduate dental students, but also the entire spectrum of lifelong learners who use the continuing dental education world and indeed all of the allied oral health professions.

Finally, the dental graduates themselves have made contributions to this communal gift of knowledge. Through their inquiry, their challenge of its principles, and their testing of its validity, students make an invaluable contribution in galvanizing and refining the body of knowledge that is the pillar of our justification to claim to be a profession.

These students, as the most recent beneficiaries of this gift of knowledge, now come full circle and join the ranks of all those mentioned above who value this gift and donate so generously to pass it on. A most heartfelt thanks to all who donate to this gift and work so hard to share its bounty.



Dean Ed Yen congratulates Darryl Doern of the class of 2002 at the graduation luncheon.

Part-timer profile

Barbara Bradey

September 2001 marked my 20th year of part-time teaching at UBC—hard to believe—the time has gone by so quickly. Much has changed in those two decades. I started out, back in the days of the "sim lab," and eventually taught students in all four years.

It has been gratifying to see the increasing numbers of women in dentistry. This is in marked contrast to my own undergraduate years when I was the only woman in a class of fifty.

I had always wanted to give back to my profession, doing things differently from the way I was taught in the seventies. So I was pleased to respond positively when Dr. Marcia Boyd approached me to teach all those years ago.

As it turned out, I was not the only one giving. Being a solo practitioner, I gained a great deal from my contact with the other dentists and specialists I have worked with over the years. Their feedback has been invaluable, and I found I was learning at least as much as I was teaching. I especially owe an enormous debt of gratitude to a wonderful mentor I met while teaching here: Dr. Claude Gardner.

At the same time, I was personally rewarded as many of the students stand out as being a true joy to teach.

I feel that my teaching at UBC has contributed to the recognition I have received from my peers with my admittance to the Fellowship in the Academy of Dentistry International in 1997 and in 2001 to the American College of Dentists.

Barbara Bradey, part-time teaching award recipient.

We are pleased to present interesting cases for your enlightenment. We invite dental practitioners to submit intriguing cases by contacting the editor.

The Case

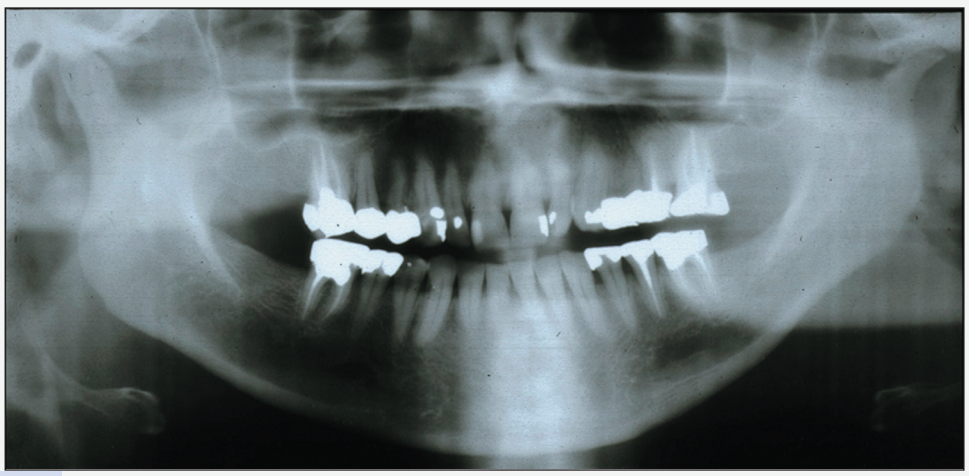
By Dr. Chris Peck

Ms. Apple a 50 year-old new patient attends your clinic complaining of a one-year history of persistent moderate-severe pain in the left premolar/molar and cheek area. Previous treatments including restorations, endodontic therapy, and extractions have not helped her complaint.

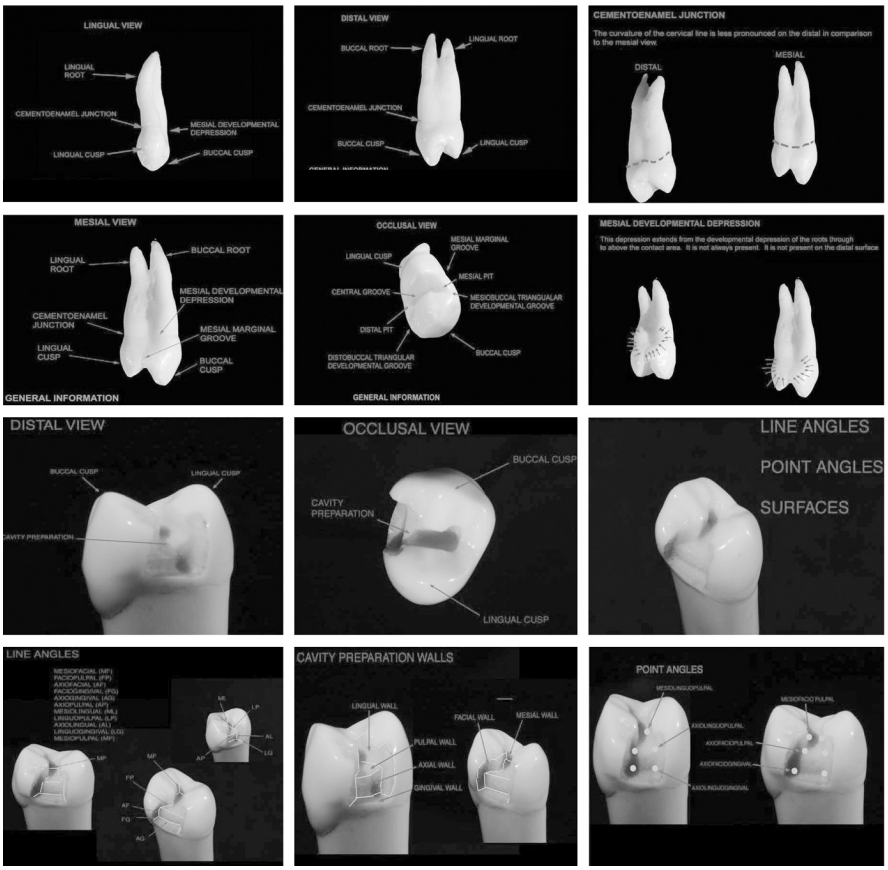
The pain has resulted in her reducing her work hours and family and social activities. She reports rheumatoid arthritis (RA). Examination reveals generalized muscle and joint tenderness in the head and neck region, and her left premolar was tender to percussion, vital and with no radiographic periapical pathology. She believes this tooth is the source of the pain.

What is the next step in Ms. Apple's management?

See page 10 for the conclusion of this case.



The patient reports rheumatoid arthritis.



Examples of still web-ready images of anatomical landmarks on a maxillary first premolar and a Class II amalgam preparation which were linked to the 3-D virtual reality object movie.

Research Impressions

Virtual Tooth Project

By Hilary Thomson, UBC Staff writer

An interactive 3-D teaching tool built by Faculty of Dentistry undergraduate students is about to revolutionize how students learn the anatomy of teeth by taking dental education out of the classroom and into cyberspace.

Until now, students have relied on lectures, slides and textbook drawings to learn about tooth structure.

But all that is changing with the Virtual Tooth Reality project, believed to be the only program of its kind in North America, which allows students to learn about shapes and structures of teeth using 3-D images of real teeth that can be rotated on-screen to be viewed from a variety of angles. Hot links on specific areas lead students to text references.

UBC dental students first used the interactive resource in September 2001. Response was overwhelmingly positive and the faculty plans to market the program to other universities.

"The beauty of this resource is that students can learn about complex tooth anatomy at their own pace and initiative both at school and at home," says Dr. Babak Chehroudi, a clinical assistant professor of Oral, Biological and Medical Sciences. "Instructors can take students to a computer bay in the clinic to view images and prepare for a procedure. It's a student-centered tool that complements our problem-based learning format."

Students Jordan Catherall and Peter Luu started working on the project last summer after their first year in Dentistry and are making further improvements this summer.

The first challenge was finding 28 perfect adult human teeth. Wisdom teeth are variable in structure so were not included in the project. Artificial teeth are often used for teaching; however, they differ in shape and colouring from natural teeth. A scavenger hunt for teeth took them to dentists' offices and teaching and research labs.

Using a motorized rig, a turntable stand to hold the tooth and a digital camera, the students took 360 pictures—one picture for every 10 degrees of rotation—of each tooth. They highlighted key areas using partial cross-sections and dyes.

"Getting set up and managing the details of the project were tough," says Catherall. "But it was a great chance for me to learn more about anatomy and to help others learn, too."

Computer Science student [and TST part-timer] Colin Ng wrote software that allowed the rig and computer systems to talk to each other.

"It's been amazing to see the excitement and interest in this project from other dental schools," says Luu.

He and Catherall earned second place in a research poster competition at a recent meeting of the American Dental Education Association (ADEA). Abstracts on the project have also been published in the *Journal of Dental Education*.

"We were overwhelmed by the interest at the ADEA meeting—this program has so much potential for both dental and medical schools," says Chehroudi.

This summer the students will develop the site to include endodontic images that show crowns, roots, internal pulp and surrounding tissues as well as descriptions of restorative procedures.

They say they have been 'negotiating with the Tooth Fairy' to secure children's teeth to add images of primary teeth to the program. They will also add more text hyperlinks and plan to create a streaming video and animated movies that will show whole procedures on-line.

Support for this project came from UBC's Teaching and Learning Enhancement Fund granted to Dr. Babak Chehroudi and from faculty members Prof. Don Brunette, Asst. Prof. Jeff Coil, Assoc. Prof. Lance Rucker with photography support provided by Bruce McCaughey.

Your C.D.E. team: Leiz Gagnon, Donna Dainius, Val De Beir, Marlane Paquin.

C.D.E. Impressions

Spring session a success

Spring proved to be a busy time for CDE. The Annual Vernon Ski Seminar was once again held at the top of Silver Star Mountain, in the sunny Okanagan. While it's difficult to beat that Okanagan snow, the weekend started off on the chilly side with the temperature at minus-21 degrees C. Of course nothing stops those hard-core UBC Dentistry skiers, and fortunately for the fair-weather skiers, conditions did eventually improve!

Dale Tucci presented an all-day course at the ski seminar, "Managing the Five Primary Practice Drivers." This was a very informative presentation developed to teach dentists and their staff how practice management can be simplified by focusing on five key areas.

Dr. Edward Chin presented an evening lecture, "Paediatric Dentistry: Behaviour Management Techniques and Treating Pulpally Involved Teeth." He reviewed various styles of behaviour management, and discussed alternatives to treating large carious lesions.

Back at UBC, Dr. Lance Rucker and Susanne Sunell presented "Everyday Dental Ergonomics: How to Practice in Balance and Comfort." Participants had the opportunity to use the patient-simulation clinic to experience balanced clinical ergonomics, as well as the effects of magnified vision in supporting good posture and comfort in clinical practice.

Jim Clark from the University of Washington returned to UBC to present "What's the Latest in Photography and Digital Imaging in Dentistry." This was an unlimited enrolment lecture in the morning, and a limited enrolment workshop in the afternoon. It was an opportunity for novice dental photographers to acquaint themselves with the techniques required for excellent dental views, and for seasoned dental photographers to get an update on the latest equipment. We have compiled a waitlist for the next time Jim agrees to come back to UBC!

"Update in Dental Materials for the 21st Century" was presented by Dr. Stephen Bayne from The University of North Carolina. He provided information on some of the latest dental materials and specific recommendations, controversial techniques, and a review of current literature.

The first annual Certified Dental Assistants' Day was held on Saturday, April 13 at the new UBC at Robson Square. There were four presentations, "Everyday Oral Medicine" by Dr. Michele Williams, "Disinfection: How Do We Make It Work For Us?" by Deborah McCloy, "Breaking New Ground in Residential Care Programs" by Beverley Contreras and Shannon Harris, and "Tooth Whitening—What You Should Know About These Products" by UBC's Dorin Ruse. The generous support received from various sponsors including Henry Shein Arcona Dental Equipment, Butler John O. Company, Oral-B, Phillips Optiva Sonicare, Proctor and Gamble, and Waterpick Personal Health Care, contributed to the success of this event. This was a wonderful opportunity for CDA's to spend a day with peers, and it is clear from comments and evaluations received, this will be an annual affair!

Check out our fall offerings on the back cover of this newsletter. On-line course registration is available at www.dentistry.ubc.ca. Click on Continuing Education, and then Calendar of Courses. Contact information for clinical participation courses is also available on our web page.

Case Discussion

Continued from page 3

What is the next step in Ms. Apple's management?

Management is not simple for Ms. Apple. It is important to determine whether or not the pain site and source are identical. Ms. Apple's toothache may be of dental origin (unlikely) or referred from the temporomandibular joints, masticatory muscles, or cervical structures. Ms. Apple's rheumatologist can indicate the involvement of the cervical spine from RA.

Apart from this being the pain source, head manipulations (such as in the dental chair) of patients with cervical spine degeneration may cause neurological symptoms (and even death) from compression of the spinal cord/vertebral artery or pressure on the medulla. Psychosocial assessments of Ms. Apple's emotional state (e.g. depression, fear, anxiety), coping skills, and pain-related disability are also important.

For more information about the UBC Pain Clinic please read the cover story.

Highlights from Grad Luncheon Speech

By Calvin Tham (DMD '02)

It's remarkable to see how fast four years have flown past, yet some of you may argue that you're glad to see your four-year prison term finally come to an end.

We came from different backgrounds, with different experiences. We had students who had studied here at UBC, others who came other parts of Canada and then those from other parts of the world such as China, Russia, Romania, India and South Africa.

Looking back at the four years, there are bitter and fond memories. There's been a lot of growth. I remember in 1st year when I walked into that giant lecture hall where we first met the future of the medical profession. The medical students were welcomed with open arms and then told, "By the way, there'll be 40 dental students who will be studying with you."

At times, it felt like us against them, as the dental students sat separately in the lecture halls. But the medical students embraced us. For two years, we worked together and even partied together; of course to make ourselves more well-rounded healthcare professionals. We learned a lot from them, and hopefully they'll remember how many teeth there actually are in the mouth.

Soon enough we were thrust into clinic life. Struggling through simulation and adapting to the ways of the clinic, 3rd year was our greatest challenge. However, like crown and MOD preps, we learned very quickly: Wednesday and Friday afternoons, for example, were the best days for endo. Salwa was the person you wanted to do your perio competency with. And of course, we knew how much easier it was to get a signature from Dr. Fung and much more difficult it was to get one from Dr. Walton. We thank the faculty in making a difference in our education.

Our thanks also extends to the clinic staff. Without you, the clinic would not be running at all. You too, have all made a difference in our education. I admit there were times that you drove us crazy, and times we drove you crazy. Who will ever forget the comic relief of Shauna's ability to spread the latest rumor of who was dating who, when none of it was really true? Or how about Claire belting out a tune, over the clinic PA? And no one will forget Cia's infamous and lengthy emails. Cia, your dedication and hard work as the orthodontics coordinator made a huge difference and our class is truly appreciative.

My dear classmates, we have all been blessed with a gift in dentistry. We have wealth of compassion and knowledge that should be shared with the community; whether it is through our patients, in teaching at the school or in organized dentistry. The friendships that we've made will last a lifetime.

Class of 2002, I wish you all the best.

Sports Shorts

By Ray Krumme, 3rd year

It's hard to believe another school year is over; it seems like just yesterday we were ironing our scrubs in preparation for the first days of clinic! During the summer break, while we yearn to be back at school, we can look back and remember the fun times we had. These memories for me and many others revolve around the sporting events we organized and took part in.

Adrian Harbison, 2nd year, on the Boogie Man trail on Mt. Seymour.

It all started with the annual softball tournament, on a fine September morning, with all four years battling it out for bragging rights. Burnt burgers fueled our hunger for victory and when it was all said and done the second years came out on top, led by the likes of Nav "Slugger" Mann and Tam "Homerun" Do.

The next weekend was the volleyball tournament where the Lauwers brothers duked it out, impressing all the female spectators, while the rest of us enjoyed the sun and food. The golf tournament followed, with 4th years in costume and solid play.

Once again we dominated the Day of the Longboat with the men's team, led by Trevor "Big Boy" Shew, recording the fastest time ever in the finals and taking home the gold.

Early in 2002, we all piled in a couple buses and headed for Big White.

Throughout the school year both the Plaquehawks and Ice Divas did the faculty proud on the ice. McNuggets was standing on his head for us all season and Melo, for the first season ever, had more ice time than penalty minutes! We took on some community dentists and bay instructors twice as the VDDS put on "Hockey Night at Hollyburn." We were embarrassed on both occasions; I guess we didn't think those old guys could still skate!

The annual hockey tournament was a competitive battle, with the 3rd years against the faculty (and a few 4th years) in the finals. The 4th years, aided by the stellar goaltending by Rob Oliveros and Jaspal Girn, and the superb play of a few faculty players including Dr. Jeff Coil, Dr. Brian Hicks and Dr. Lun Wang nearly pulled out a victory. With time running out, Rob Oliveros made a spectacular goal-mouth save resulting in a tie.

The men's Storm the Wall team came close to winning it all, with solid performances by Ben Bell and Bill Schlamp.

It all ended with the soccer tournament, UBC Dentistry's very own version of the World Cup. The 1st years finally showed up to an event and actually dominated. See photos at www.dentistry.ubc.ca and go to Recent Events.

My job as DUS sports representative is done, and I will pass the torch to Eric Meiner. I'd like to thank everyone (students and faculty) for participating in these events and making them the wonderful experiences they were.

Raymond Krumme, 3rd year, grabbing some air at Big White.

UBC Dentistry's own version of the World Cup.

Our Dental Family

Alumni, students, faculty, and staff, see your name in print in Good Impressions. Send us your news about: new baby, marriage, an award, a new job, an achievement, etc. Email tstgroup@interchange.ubc.ca.

Appointments

Dr. Chris Zed was appointed division head under the department of surgery at St. Paul's Hospital as part of his role as assistant dean of strategic and external affairs for UBC Dentistry.

Tassos Irinakis, a postgraduate periodontics student finishing this year, will be staying with the faculty, as a full-time clinical assistant professor.

Achievements

Dr. David Sweet gave a presentation to the Pennsylvania Dental Identification Team in Harrisburg, PA. This team responded to the crash of Flight 93 in Somerset County, PA on September 11. Information gained from these meetings will be used at future mock training exercises that Dr. Sweet stages for the BC Forensic Odontology Response Team that is jointly sponsored by BOLD and the BC Coroners' Service.

Goings

Amy Phillips, senior administrator and project manager, resigned from the faculty at the end of May to travel and explore new opportunities.

Immediately following completion of her MSc degree at BOLD, **Roshale Gaytmenn** moved to Tampa, Florida where she accepted a job with the Tampa Crime Laboratory. Results of Roshale's research, which dealt with the potential to analyze the extremely small quantities of DNA evidence in fragments of human teeth, will be applied to actual casework in her new lab, one of the busiest in the U.S.

Some of our graduates from the class of 2002 reported on upcoming general practice residencies in the U.S. **Richard Chau** is heading to the University of Colorado Health Sciences Center in Denver. **Will Chow** is going to the University of Michigan, in Ann Arbor, **Rana Ghazala** is off to Charlotte, North Carolina and **Wendy Tang** will be at the University of Washington in Seattle..

Comings

Replacing Amy Phillips as the senior administrator is **Elizabeth Mathews**. Elizabeth brings a wealth of entrepreneurial experience from her years of owning and operating restaurants in BC, Quebec and Ontario. Most recently she was the food service manager at Capers on Robson Street.

Research technician **Diane Fairley** joined BOLD's research and service staff. Diane completed her undergraduate degree at the University of Victoria and comes to BOLD from the Nucleic Acids Protein Services lab at UBC. She is completing an understudy program in forensic science and will be actively involved in BOLD's busy casework schedule.

Marna Macdonald joins TST in finance and administration along with her wire-haired fox terrier Jackson Lee.

The newest staff member in the main clinic dispensary is **Jane Rae**, CDA.

Gatherings

Mary Findlay (DDHg '71, BDSc '98) wrote about a DMD '71 reunion dinner with **Dave Chan, Bill Jones, Bob Malcolm, Don Bland, Paul Williams, Bill Hadaway, Hank Van Hove, Bill Sherry,** and **Al Shearer** which took place during the Pacific Dental Conference in February. All are active in the dental profession and had great memories and lots of laughs to share about their UBC days and their 30-plus years of providing oral care.

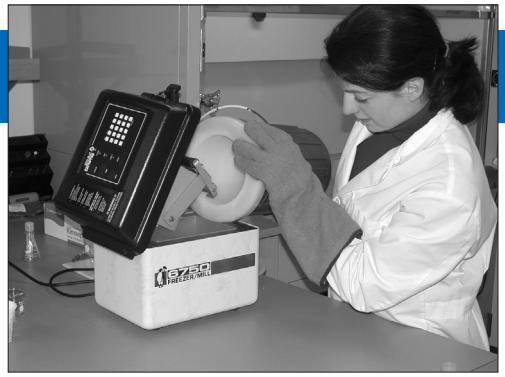
Passings

Dr. Michael Wells (DMD '68) passed away peacefully on April 15. Mike was a dedicated and loving husband, father, grandfather and dentist. He will be dearly missed by his loving wife Linda, daughters Kristi, Stephanie (James) and Angela (Alan); stepdaughters Heidi, Tara (Ken) and Krista (Steve) and his six grandchildren. Mike also leaves behind many patients, colleagues and friends who were very central to his life.

Births

Stacey Matheson, 2nd year graduate peridontics student had a baby girl on May 10 named Lauren Riley.

Happy grandparents, Pauline and **Dr. Alan Hannam**, were presented with their first grandchild, baby George Davidson Hannam, on March 28, new son for Paul and Mary.



Diane Fairley preparing to cryogenically grind tooth samples for DNA extraction.

Emma (daughter of Susanna James, manager of admissions and student affairs) at her first dentist visit with part-timer Dr. Angelique Leung.

Elizabeth Mathews, new senior administrator

ADSBC Children's Fundraising Weekend

The ADSBC hosted its second annual fundraising weekend on May 31 and June 1. Events included a Pro-Am golf tournament and dinner at Westwood Plateau Golf Course, a continuing education course taught by UBC's Dr. David Sweet and the Tooth Fairy Ball dinner dance. The fun-filled weekend was a smashing success for the ADSBC and all of the guests had a wonderful time as they sipped on champagne and bid on a variety of auction items.

The proceeds will go toward supporting a UBC Professorship in Dentistry at BC's Children's Hospital. A special thank you is extended to everyone who supported the ADSBC during this weekend extravaganza!

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The contents of this newsletter is for informational and educational purposes only and are not intended for treatment purposes.

Good Impressions is published four times annually: Fall, Winter, Spring and Summer.
Articles will be accepted at the address at left or by e-mail at: tstgroup@interchange.ubc.ca

Please let us know if we need to make a correction or delete your name from the mailing list.
E-mail tstgroup@interchange.ubc.ca or send a fax to (604) 228-4288.

Join Us

Calendar

August

12 – 16	CDE: Cast gold restoration course, Dr. Richard Tucker*
28	International Student/Vancouver Alumni Lunch at Robson Square

September

10	Undergraduate Dean's Night
19	CDE: An esthetic choice: the art and science of whitening, Lisa Supeene †
21	CDE: Advances in fixed and removable prosthodontics, Dr. Terry Tanaka*
24	UBC Alumni Calgary annual event with President Martha Piper
26	CDE: So you're buying a practice, Charlene Henry, Bill Batchelor, Pat Madaisky, Patty Scrase, Andrew M. Stashuk
28-29	CDE: Local anaesthesia for dental hygienists*

October

3	CDE: The relationship between musculo-skeletal health and clinical dental hygiene practice, Susanne Sunell †
4-6	UBC Alumni weekend
5	CDE: Oral pathology for the joy of it: you are the object of my infection, Dr. John Svirsky
7–11	UBC Alumni Singapore, Hong Kong events with President Martha Piper
11	UBC Alumni Seattle Canadian Consulate gala
17	CDE: Cross cultural communication: bridging the gap, Maura Da Cruz, Margaret Sarkissian, and Deborah McCloy †
18	CDE: Powerpoint with pizzazz for beginners, Drs. Les Ennis and Kathy Hornby*
22	UBC Alumni Ottawa annual event with President Martha Piper
26	CDE: Update on vaccination: recommendations for healthcare workers and, emerging infection control challenges, Dr. John Molinari

November

1	UBC Alumni Toronto annual event with President Martha Piper
2	CDE: Violent crimes from a dental perspective: arguing for the dead, Dr. David Sweet
6	Vancouver and District Dental Society midwinter clinic
7	Oral radiology: pitfalls and interpretation Dr. Colin Price†
16	CDE: Advanced rotary nickel titanium instrumentation, Dr. Jeff Coil, Dr. Bob Augsburger*
22	CDE: Internet for dental auxiliaries, Christine Wyatt
23	CDE: Predictable esthetic adhesive dentistry for the entire mouth, Dr. Chris Hooper

December

3	UBC Alumni Kelowna Canadian Club Lunch with President Martha Piper
7	CDE: Incorporating dental microscopy in your practice, Dr. Jeff Coil, Dr. Glenn Van As*

* Limited enrollment.
† Thursday evening lecture series for dental hygienists.

To register for UBC Dentistry CDE courses, call (604) 822-2627 or visit www.dentistry.ubc.ca and click on Continuing Education and then Calendar of Courses. The above calendar of courses is subject to change.

Graduate/Postgraduate Studies

The University of British Columbia
Faculty of Dentistry
2199 Wesbrook Mall, Vancouver, B.C. V6T 1Z3

Applications are invited for admission to the following graduate and postgraduate programs:

MSc and PhD in Dental Science
These graduate programs are research-oriented and do not include clinical training. The MSc degree normally requires two years full-time study, and can also be taken part-time. The PhD degree requires a minimum of three years. Both offer research training in various oral and dental sciences. The deadline for applications is March 1.

Combined MSc (Dental Science) and Diploma Program in Periodontics
This program offers an MSc degree and a diploma in graduate periodontics. The three-year program is recognized by the American Dental Association. The deadline for applications is October 1.

Oral Medicine and Oral Pathology Postgraduate Program
This postgraduate residency training in oral medicine and oral pathology is offered in conjunction with university-affiliated teaching hospitals. It consists of a three or four-year hospital-based, stipended residency in one of three pathways: oral medicine, oral pathology, or both specialties combined. The deadline for applications is November 30.

General Practice Residency Program
This one-year dental residency program is offered in conjunction with university-affiliated teaching hospitals. These residency positions include one opening in pediatric dentistry. The deadline for applications is November 1.

For more information regarding these programs, visit www.dentistry.ubc.ca or contact:

Graduate Periodontics, MSc and PhD in Dental Science Programs
Viki Koulouris
Email: vickybk@interchange.ubc.ca
Tel: (604) 822-4486

General Practice Residency Program
Dorothy Stanfield
Email: dstanf@unixg.ubc.ca
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www.dentistry.ubc.ca

Publication Agreement No. 1476009