It has been a summer of change in the School of Kinesiology. I am personally grateful for the warm welcome I received as new Director, and I look forward to continuing to serve the School in that capacity. I have enjoyed meeting faculty, staff, and students, and exploring with you all the many strengths that are present within the School.

I am also grateful to Charles Krieger who served as Acting Director prior to my arrival, and to Parveen Bawa, Andy Hoffer, Ted Milner and Steve Robinovitch who filled in for me during my comings and goings over the summer as I finished off some work in Utah. The School also welcomed Shannon Heibert, who replaced Andras FahLMAN as the Environmental Physiology Unit (EPU) Facility Coordinator. We will be sad to see her go when she follows her partner east, from the job of her dreams to the job of his.

Our undergraduate student numbers are up for both Summer and Fall semesters. This trend reflects Kinesiology’s widely acknowledged excellence in providing human health-related education. We are exploring ways of expanding our programs through collaborative efforts with the School of Engineering (Biomedical Engineering), SIAT (Human-Computer Interactions, and Psychology (Neuroscience). Although these programs are either in their infancy or, in the latter two cases, just a twinkle in our eyes, we will move toward forging programmatic ties with other units to provide the educational opportunities that students want.

The expression, “May you live in interesting times,” seems particularly appropriate these days. Although there is yet a long way to go, the initiative on university realignment and restructuring seems to be gathering steam. This potential challenge provides Kinesiology with an opportunity and incentive to reflect on its mission, and to take positive and proactive steps toward determining its future. This will be the focus of our upcoming School Retreat on October 23-24, to be held at the Sasamat Outdoor Centre.

With the retirement of Jim Morrison (congratulations, Jim!), the School of Kinesiology now has four faculty positions to fill. We are moving on filling a position in Biomechanics and will soon initiate a search for a Cardiovascular Physiologist. The results of these searches will help define the direction for the other two positions. This will be a busy and very exciting year for Kinesiology.

Peter Ruben

IN MEMORIUM

The School of Kinesiology extends its condolences to the Vic Stobbs family on his passing on October 2nd, 2006. Vic was the Chamber Operator for the Environmental Physiology Unit (EPU) from October 30th, 1981 until his retirement on March 31st, 1999. He joined SFU after a career in the armed forces and commercial diving.

Jim Morrison, Professor Emeritus and Director of the EPU, remembers that he first met Vic Stobbs in 1981 when he phoned from Aberdeen, Scotland while Jim was on vacation in Cornwall, England. Vic had heard that Kinesiology had a new hyperbaric chamber, needed an experienced operator, and he was leaving no stone unturned to make sure that he was a candidate. His arrival at SFU as the Chamber Operator signaled the beginning of a long, happy and often colourful relationship, in which he rapidly became a real asset to the School and a true favourite among faculty, staff and graduate students.

Victor was not a conventional operator. His wide experience as a diver with the Canadian Navy provided him with a real understanding of Catch-22 and how society works. Running a hyperbaric facility requires a lot of materials and supplies, and we soon found out that no matter the requirements, Vic knew the fastest and most economical way to get the job done. For Vic, writing a purchase order was an admission of failure! He will be remembered by faculty, staff and graduate students, who relied upon him to get their research done, for his kindness, humour, help, doughnuts, and limitless supply of funny stories about life in the armed forces.

John Dickinson, Professor Emeritus and former Director, recalls that during his time at SFU Vic became a firm favourite with faculty, staff and
students. Vic was always willing to help beyond his EPU duties and entertained everyone with his naval stories. In a crisis, Vic was always the “Mr. Fix-it” for the School, and if something needed doing Vic could be relied upon to do it himself or knew the best person to call upon. His contacts around the University were legendary. He will be sorely missed for his good humour and his “joie de vivre.”

**EMERITI**

Congratulations to John Dickinson and Jim Morrison who have been conferred Professor Emeritus status by President Michael Stevenson, effective September 1st, 2006.

**JUNE CONVOCATION**

Congratulations to our graduates!

**PHD**
- Brian Topp
- Joanna Zander

**MSC THESIS**
- Andrew Curtis
- Geoff Desmoulin
- Quan Hong
- Ingrid McFee
- Flavio Oliveira
- Amber Zutz

**BSc**
- Deborah Alessa
- Patricia Allan
- Jacqueline Baker
- Michael Bastien
- Justine Boulin
- Ka Lam Ching
- Zorana Cric
- James Cooper
- Heather Cretelli
- Cameron Cunningham (Honors)
- Olha Demchenko
- Navtej Dherari
- Justin Dudley
- Patricia Dykes
- Christopher Ernst
- Mirella Gastaldo
- Rian Gauvreau
- Zuhal Ghiyas

**Teresa Gillard**
- Hannah Han
- Karyn Hasselaar
- Kenneth Henderson
- Nikki Inkster
- Louis Julig
- Nasreen Karim
- Jon-Erik Kawamoto
- Ji Hye Kim
- John Koehn (Honors)
- Sita Kugel
- Grace La
- Douglas Lai
- Hafeez Lajji
- Ivy Lam
- Angela Lee
- Anthony Lee
- Na Lee
- Yingying Lee
- Nicolas Mach
- Nicole Mak
- Christina Mattiello
- Kristin McFadden
- Trevor Miles
- Nicole Miller
- Marilee Nuggest
- Melissa Penas
- Jason Peura
- Jonathan Poon
- Jeffrey Potter (Honors)
- Brock Rawstron (Honors)
- Melissa Richmond
- Ivan Soo
- Ying Tan
- Jennifer Thiel
- Michelle Tung
- Robyn Vermeulen
- Karen Waddington
- Lesley Wickham
- Deborah Wright
- Sharon Yen
- Jane Yeoh

**KIMBERLY R. ANDERSON**
- Wai Yee Kimberly Chan
- Esther Chen
- Arrlann C. Christie
- Jennifer M. Coe
- Lawren E. Demarchi
- Navdeep Dha
- Nicolas T. Duran
- Narleek K. Grewal
- Rajan Jaswal
- Joo Hyun Grace Jeun
- Sandra B. Johnsen
- Safia M. Kassam
- Jae-Gon Iris Lee
- Yiu Lun Leung
- Monique J. Mugisha
- Jennifer Dawn Mullally
- Stephen J. Obadovich
- Kristan Pumell
- Amanda R. L. Tretina
- Lita Tretina
- Ching Yee Yip
- Stephanie Hey-Yong Yoon

**FAS CONVOCATION RECEPTION**

Dr. Brian Lewis, Dean of Applied Sciences, invites you to:

**Faculty of Applied Sciences CONVOCATION RECEPTION**
- Thursday, October 5th
- ASB Atrium

Graduands and their families are invited to join for lunch from noon to 2:00 p.m. after which time they will proceed to the afternoon Convocation Ceremony. Come and celebrate the success of this graduating class!

**AWARDS**

Congratulations to Aaron Chu, M.Sc., who was awarded a Samuel & Leatrice Cohen Prize in Environmental Physiology.

Congratulations to Biljana Maric (supervisor Scott Lear) on winning both the Michael Smith Foundation for Health Research Research Trainee Award, and the Canadian Institute of Health Research Canada Graduate Scholarship.
Congratulations to **Fabio Feldman** (supervisor **Stephen Robinovitch**) on winning the Open Category NDI Young Investigator Award with the abstract, “Young adults impact their hip during unexpected sideways falls (so why don’t they suffer hip fractures?).”

Congratulations to **Max Donelan** who has been awarded a MSFHR Career Investigator Scholar Award.

**Max Donelan** was also been awarded a CIHR Operating Grant for his research on the Neuromechanical Determinants of the Metabolic Cost of Healthy and Pathological Gait.

**Faculty, Adjuncts & Grad Students**

Congratulations to **Dave Goodman** on completion of 25 years of service to SFU, and **Glen Tibbits** for 20 years of service to SFU, both as continuing faculty members.

**Parveen Bawa** will be setting up a teaching program in motor control at the Dept of Biophysics, Punjab University, Chandigarth from Oct 28-Dec 5, 2006. Punjab University is a sister University of SFU. Teaching will include Experiments, Physiology, Instrumentation, and Analyses.

The Locomotion Lab (Max Donelan) welcomes **Dan Hewson** as a new M.Sc. student and welcomes back Technician, **Winnie Enns.**

Welcome to **Mike Koehele**, M.D., Ph.D., who has started a 2-year NSERC funded Postdoctoral Fellowship in Matt White’s lab and the Environmental Physiology Unit (EPU).

**Matt White** reports that a project sponsored by WL Gore and Associates (Gortex clothing) has been extended.

Volunteers’ physiological responses while walking in 10 different clothing ensembles are assessed during 160 separate two-hour trials in the EPU Climatic Chamber.

**Max Donelan** and **Andy Hoffer** report that they are now collaborating with Qingguo Li on their Biomechanical Energy Harvesting project. Qingguo Li has been awarded the Governor General’s Gold Medal for his Engineering Science PhD dissertation work, “Coordinated prehensile manipulation: mechanics, control and planning.”

**DEFENCES**

Successfully defended:

- **Tesshin Hachiya**, PhD
  - Summer 2006
  - The Vasoconstrictor responses assessed by nea-infrared spectroscopy during graded lower body negative pressure
  - Senior Supervisor: **Andrew Blaber**
  - Committee: **Matt White**, **Mike Walsh**, M. Saito

- **Franca Chung**, MSc Thesis
  - Spring 2006
  - Identification of Troponin C residues that increase mammalian cardiac myocyte contractility
  - Senior Supervisor: **Glen Tibbits**
  - Committee: **Eric Accili**

- **Simi Kohli**, MSc Thesis
  - Summer 2006
  - Differential distribution of adipose tissue in South Asian and European populations
  - Senior Supervisor: **Scott Lear**
  - Committee: **Matt White**, David MacLean (FHS), Eric Chockalingham (FHS)

- **Ian Williamson**, MSc Thesis
  - Summer 2006
  - An epidemiological investigation of concussion in youth ice hockey
  - Senior Supervisor: **David Goodman**

- **Committee: Wade Parkhouse, Don Voaklander (U of Alberta)**

- **Erica Moore Paras**, MSc Course Work
  - Summer 2006
  - Supervisor: **Ted Milner**, Chair, Graduate Program Committee

- **Cheryl Claudio**, MSc Course Work
  - Summer 2006
  - Supervisor: **Ted Milner**, Chair, Graduate Program Committee

**Conferences**

**Andrew Blaber** gave the Keynote Address, “Apnea, don’t panic: Lessons from freediving research” to the 7th Annual Specialist Review in Respirology, June 23-25, 2006, Kelowna, BC.

**Parveen Bawa** gave an Invited Talk and Chaired a session at the Copenhagen Meeting, “Motoneurones and their Firing Patterns,” July 2006. Talk title: Rotation among spinal motoneurones in humans, (P Bawa and B Calancie). Details may be found at [www.motoneurone.ku.dk](http://www.motoneurone.ku.dk/).

**Parveen Bawa** presented a Poster: Reliability of transmission from soleus la afferent to homonymous motoneurones in humans (P Bawa and GR Chalmers) at the joint meeting The Physiological Society and Brazilian Physiological Society held at Ribiero Preto, August, 2006.

**Parveen Bawa** presented a Poster: Transmission of high frequency bursts along the monosynaptic reflex arc in the upper and lower limb muscles in humans (P Bawa and GR Chalmers), Soc Neursc Abs 2006. Atlanta, October 2006.

**Andy Hoffer** attended the 11th Annual Conference of the International FES Society in Zao, Japan [http://www.ifess2006.jp](http://www.ifess2006.jp/) and presented a paper on:
“Feasibility of using implanted neurosensors to monitor displacement of the center-of-pressure during postural sway in paraplegic subjects,” by J. Kerr and J.A. Hoffer.

Caroline Soo (supervisor Max Donelan) presented a poster at the Dynamic Walking Workshop in Ann Arbor, Michigan, entitled, “The mechanical and metabolic costs of rocking.”

PUBLICATIONS


Jay, O., White, M.D. Maximum effort breath-hold times for males and females of similar pulmonary capacities during sudden face-only immersion at water temperatures from 0°C to 33°C. Appl Physiol Nutr Metabolism (in press).


We have enjoyed the first three seminars of an exciting new seminar series, for which we owe a debt of thanks to Max Donelan. The series was inaugurated by a seminar on the prevalence and societal impacts of obesity by Diane Finegood. Next, Glen Tibbits spoke about his research into the structure and function of ryanodine receptors and sodium/calcium exchangers in cardiac myocytes. Finally, Dr. Gerald Loeb gave a seminar about his work with BION, a muscle stimulator that is small enough to be injected into muscle. Have a look at the seminar series website for future offerings: http://www.fas.sfu.ca:9093/KINSeminarSeries/

SEMINARS HELD THIS SUMMER AND EARLY FALL

Tuesday, July 4th, 2006:
Christine Pratt, PhD
Associate Professor
Dept of Molecular Medicine
Faculty of Medicine
University of Ottawa

TOPIC: The transcription factor NF-kappa B and its target gene, cIAP2 are critical for the development of breast cancer.

Monday, August 21st, 2006:
David McVea, MSc
The Centre for Neuroscience
University of Alberta

TOPIC: Short- and long-term plasticity in the walking cat.

Tuesday, September 12th, 2006:
Diane Finegood, PhD
Professor, School of Kinesiology
Faculty of Applied Sciences
Simon Fraser University
Scientific Director, CIHR’s Institute of Nutrition, Metabolism and Diabetes

TOPIC: Obesity is not rocket science: It’s more complex.

Tuesday, September 19th, 2006:
Glen Tibbits, PhD
Professor, School of Kinesiology
Faculty of Applied Sciences
Simon Fraser University
Tier 1 Canada Research Chair in Molecular Cardiac Physiology

TITLE: Regulating cardiac contractility: Calcium is at the heart of the matter.

Monday, September 25th, 2006:
Gerald Loeb, M.D.
Professor of Biomedical Engineering, Alfred Mann Institute for Biomedical Engineering, University of Southern California

TITLE: Reanimating Limbs = Technology + Neurophysiology

TERRY FOX DAY

The School of Kinesiology’s participation at SFU’s Terry Fox Day was an outstanding success, thanks to Craig Asmundson and many other members of the Kinesiology community. Kinesiology fielded the second largest number of runners and walkers and raised nearly $3,500, representing about 30% of the total amount raised by SFU. Thank you, everyone, for your enthusiasm and generosity. Kinesiology continues to set a high example for the rest of the SFU community.

WELCOME LUNCH

On Friday, September 22nd, the School held its Annual Welcome Lunch for new and current undergraduate Kinesiology students. Van Truong reports that this year the event was called “A Toonie for Terry”, and it was tied to raising funds for the Terry Fox Foundation. In a span of two hours, $267.40 was collected! A big thank you to all faculty members, teaching assistants and staff for coming
out to support this event. A special thank you to Kinesiology Student Association (KSA) students (Veronica Naing and Shawna Mann), Darleen Bemister, Barbara Peachey and Laurie Klak for helping to organize the event.