



SCHOOL OF PHYSICAL AND
HEALTH EDUCATION
Physical Education Centre
Kingston, Ontario, Canada K7L 3N6

ANNUAL REPORT

for the

School of Physical and Health Education

2001

DIRECTOR'S STATEMENT

The School of Physical and Health Education at Queen's University is pleased to provide the first annual report on its undertakings and accomplishments during 2001. The achievements of our students, staff and faculty are numerous and impressive. The work carried out within the School has commanded the attention of the institution, as we move forward on staffing and program initiatives that are consistent with the long term goals for our programs.

One of the most significant events of 2001 was the development of a new five year strategic plan for the School. Faculty were engaged in a process that resulted in the articulation of our commitment to the study of physical activity as a mediator in health promotion and disease prevention. Further, a staffing strategy was accepted that would reflect the evolution of our program direction. We look forward to the addition of two faculty appointments in 2002 that are the direct result of this work on program direction.

A second important event occurring in 2001 was the acceptance of our Subject of Specialization in Pre teacher Preparation as a CCUPEKA accredited program. The first class of students declaring this SSP was accepted in September 2001.

The research potential of our faculty has grown exponentially over the last number of years. The success in tri-council funding opportunities, both individual and collaborative, are highlighted within this report. The extensive listing of work in peer reviewed journals and at scientific congresses is evidence of the commitment of our researchers to the dissemination of their work for evaluation by the broader scientific community.

As we continue to work toward a university commitment to the building of new facilities for the School of PHE and Athletics, we welcomed the appointment of a full-time development officer.

Fundraising will remain a central focus for us, as we work on both capital initiatives and student support through scholarships and bursaries.

The School owes a debt of gratitude to Kathy Jackson who spent many hours compiling, editing and formatting the information for this document. She has shown immeasurable patience and good will in dealing with all those who contributed information for the report. We hope that the learning curve in the preparation of this first report will expedite the preparation of subsequent annual documents.

Janice M. Deakin, Ph.D.
Director

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MISSION

The School will research and teach the role of physical activity as a mediator in the determination of health and productivity individually and in society. The School will provide programs to prepare students to achieve physical, mental and social well-being through the advocacy and application of physical activity as part of a lifestyle. (Strategic Plan 2001-06)

Mission Statement

The School of Physical and Health Education will be an innovative leader in the development, advancement and delivery of academic and athletics/recreation programs that promote an active, healthy lifestyle. (June 1996)

The School of Physical and Health Education is equally committed to:

- Excellence in our undergraduate, graduate and athletics/recreation programs.
- Providing discipline and professional experiences within the undergraduate programs.
- The pursuit of new knowledge in our multi-disciplinary field through quality research and scholarship.
- Provide opportunities for personal growth and development for the Queen's community (students, staff and faculty) through the provision of a wide spectrum of athletic/recreation programs.
- Provide the student athlete with opportunities for achievement through competitive sport.
- Promote physically active lifestyles for the purpose of health enhancement, improved fitness, enjoyment and injury prevention in work and leisure activities.
- Promote and facilitate healthy lifestyle, recreational and leadership development programs for the greater Kingston community.

Strategic Plan

The School of Physical and Health Education, Queen's University, occupies a unique position to become a leader in health enhancement, disease prevention and human performance. In the next five years the School will work to strengthen and extend its place as an innovative leader in the development, advancement, and delivery of academic, professional, and athletic programs that seek to understand physical activity (which includes sport, exercise, and physically demanding work) and its effects on health. The School seeks to incorporate in its curriculum, professional activities, and research initiatives the broad definition of health proposed by the World Health Organization (WHO) in 1970: the state of complete physical, mental, and social well-being - not merely the absence of disease and infirmity.

Values

- The School reaffirms its belief in the vital interplay between disciplinary and professional areas within our program.
- The School reaffirms its commitment to provide undergraduate students a quality liberal arts education within the context of the profession of physical and health education.
- The School reaffirms its commitment to provide graduate students with advanced training and research opportunities in the major exercise science disciplines, including biomechanics and ergonomics, exercise physiology and rehabilitation, sport and exercise psychology (including ex-pert performance) and critical sociology of sport.
- The School reaffirms its commitment on pedagogical and research levels to inter-disciplinary initiatives within School units, other university faculties, departments, and academic institutions.
- The School reaffirms its role in developing quality public education and its role as an active ally with other post-secondary institutions, government, and voluntary organizations within sports and recreation sectors.

Justification

The School recognizes that traditional models of health care and treatment of acute and chronic illness are now undergoing revision. Conventional approaches to wellness, emphasizing such well known *curative* facets of health care as physicians and hospitals, better diagnoses, and more efficient surgeries, are increasingly supplanted by less costly emphases upon *preventative* approaches to illness and disease that recognize the complex biological, psychosocial, sociocultural, and behavioral bases of health and disease. Indeed, many preventable causes of death and early morbidity and disability burden a society increasingly unable or unwilling to fund usual health-care delivery systems. The role of prevention in health care has been acknowledged by all of the new Canadian Institutes for Health Research (CIHR), which underlines issues of “health promotion” and “prevention” as crucial parts of their mandates.

The School of PHE, by virtue of its definition of health, is strategically placed to take advantage of the shift away from conventional definitions of health and wellness. The School will become increasingly proactive in these areas by promoting innovative views of health and productivity. The School’s core values realized in its curricula will emphasize the varied roles for physical activity in the determination of health and wellness and performance.

Goals & Objectives

The current size of the School and its diversity mean that it cannot do all things for all people. We underline the point that in strengthening our existing program, we must make choices. Hence we stress the following goals and objectives as key to our commitment to health and wellness over the next five years:

1. In both teaching and research the School will increase its emphasis on physical activity as it relates to health and human performance.
2. The School will increase its emphasis upon the development of teaching methods, learning strategies, and research initiatives relating to health, wellness, and performance.
3. The School will underscore themes of prevention, self-knowledge, and self-reliance in its curricular focus upon health-related concerns and issues.
4. The School will provide students with a clearer comprehension of the relationship between their degree programs and choice of vocational outcomes. For a number of reasons, students in liberal arts now seek increased assurance and accountability from universities for their future employment.
5. The School will strengthen coordination of the substantive content between the disciplinary and the professional undergraduate curriculum so that the School's mission is identifiable and achievable within this important nexus.
6. The School will emphasize promotion of its programs - publicizing the strengths and results of the strong interdisciplinary nature of professional, science, and arts courses - and accentuating the ways in which our professional activity courses relate to issues of health, wellness and performance.
7. The School will maintain and improve the program of practicum courses that provide students with the fundamentals of specific activities and allow them to introduce these activities to others.
8. The School will improve the level of community involvement (the School with the community and the community with the School) in program development and student placement opportunities.
9. The School will enroll well-qualified and well-rounded secondary school graduates from Ontario and other Canadian provinces who are vitally interested in the profession of physical and health education in the broadest sense of the School mission statement.
10. The School will work to improve the academic environment for our graduate students through enhancing opportunities for interaction across sub-disciplines, improving infrastructure support for teaching assistants, and creating funding opportunities to reduce differences between the natural and social science students.
11. Through its graduate program, the School will develop leaders in the broad field of health promotion and disease prevention as researchers, postsecondary teachers, program administrators and related vocations.

UNDERGRADUATE PROGRAM

Concurrent BPHE Program

Degrees Offered:

- Bachelor of Arts (Minor or Honours) / Bachelor of Physical and Health Education (B.A./B.P.H.E.)
- Bachelor of Science (General or Honours) / Bachelor of Physical and Health Education (B.Sc./B.P.H.E.)

The School of Physical and Health Education offers its students the only program of its kind in Canada, allowing students to complete both an Arts or Science degree as well as a Physical and Health Education degree concurrently within four years of study. The Bachelor of Arts/Science and Bachelor of Physical Health Education programs are designed to meet the needs of students with widely differing interests and aspirations in the field of sport, fitness and physical activity.

Flexibility is a hallmark of the program, as students may take courses in Arts, Science, Commerce, etc., as well as Physical Education theory and practicum courses in completing their degrees. At the same time, career preparation is maximized through the focus of study into one of four streams: professional, biological or social sciences, or pre-teacher preparation. A strong core program of study is complemented by a broad selection of options to specialize in areas such as: exercise physiology, biomechanics, psychology of sport and exercise, socio-cultural dimensions of sport and physical activity, and fitness.

Within each year of the program, students take more courses than other students in Arts and Science in order to complete the requirements of two degrees, either BA/BPHE or BSc/BPHE. Students can complete the core courses within the BPHE program by the end of second year and then focus on their main interest areas within Physical and Health Education as well as in their Arts or Science program. Students can focus their BPHE program toward the biological science stream for the purpose of leading to careers in exercise rehabilitation, biomechanics, ergonomics, applied health and fitness, and the medical and rehabilitation fields. The social sciences stream can lead to sport and exercise psychology, fitness and lifestyle consultation and socio-cultural studies. The professional program opens the doors for teaching, fitness leadership, coaching, and athletic therapy, to name a few.

Interest in our Physical and Health Education program has skyrocketed in the last few years. For every seven students who apply, only one is admitted. It not only takes high marks for admittance, but also demonstrated experience in other areas such as leadership development, competitive or recreational involvement in sport and physical activity, or related work experience. In addition, all applicants are required to provide a statement on why they should be considered for admission to the program. The School of Physical and Health Education is small, with less than 90 students entering each year. All students who enter the program and maintain the required academic standards will be allowed to move through the upper years of the program and graduate from the combined degree program. There is no reduction in class size moving from first to fourth year of the Queen's BPHE program.

The core curriculum includes:

3.5 Credits towards the BPHE degree

PHED 105*	Professional Development in Physical and Health Education
PHED 107*	Fundamental Activity Practicum
PHED 153*	Introductory Biomechanics
PHED 155*	Introductory Exercise Physiology
PHED 165*	Introduction to the Psychology of Sport and Exercise
PHED 167*	Socio-Cultural Dimensions of Sport and Physical Activity
PHED 001	Aquatics Competency Assessment – non credit
PHED 261*	Motor Learning and Control

3.0 Credits towards the BA or BSC degree:

PSYC 100	Principles of Psychology
ANAT 315*	The Human Musculoskeletal Systems
ANAT 316*	The Human Visceral Systems
PHGY 210	Physiology for Health Sciences

The additional requirements for the SSP stream in pre-teacher training include:

PHED 237	Physical Activities for the Preadolescent
PHED 241	Sport and Society
PHED 333	Sport, Recreation and Exercise for Persons with Disabilities

0.5 credits from the HLTH options

1.5 credits from the activity options

(* 0.5 credit course weighting)

Admissions Summary for September 2001

Entry requirements to the concurrent BPHE program are OAC (or equivalent) Chemistry and Biology, in addition to the OAC (or equivalent) English that is required for access to all Queen's programs. Students applying to the BSC program must also meet the entry requirements for that program. All applicants to the BPHE program must complete a Personal Information Form (PIF) that is assessed a score and added to the admissions average for a composite score. Entry to the program is based on this composite score.

Number of Applications by Gender / Program

	Male	Female	BA-BPHE	BSC-BPHE	Total
Applications	260	485	275	470	745
Registrations	29	67	31	68	96
Deferral from 2000		1	1		1

Source of Applications

	Ontario	Other Provinces	International	Total
Applications	639	51	40	745
Registrations	90	4	2	96

Entering Average Distribution

	75-79%	80-84%	85-89%	90-94%	Above 95%
Registrations	3	20	34	14	3

Each year, a large number of candidates also apply for entry to the concurrent BPHE program as transfer students. Typically the ratio of internal to external applicants is two to one and the total number of applicants accepted is between four and eight. In June 2001 approximately forty students applied to transfer to the program for the 2001-02 academic cycle. Five offers of admission were made, with four individuals accepting the offer to transfer to the current BPHE program.

Undergraduate Enrolment

The overall undergraduate enrolment in the School of Physical and Health Education is approximately 375 students. The number of students per year is generally around 90 to 95 students.

Enrolment by Year for 2001-02

	Male	Female	BA-BPHE	BSC-BPHE	Total
Active 5 th Year	2	8	5	5	10
PHE '02	26	56	29	53	82
PHE '03	22	64	40	46	86
PHE '04	25	66	32	59	91
PHE '05	29	67	31	68	96
Total					371

Typically students participate in exchange programs in the third year of their university career. Over the past several years, two or three students from the concurrent BPHE program have participated in an exchange each year. The most common destination over the past five years has been schools in the British Isles, usually Scotland or England. Most students will try to take courses towards both their BPHE and Arts and Science degrees while away on exchange, however not all schools offer Physical Education courses. On the receiving end, it is usual for at least two students to be visiting our program on exchange of letter of permission from a university abroad or from across Canada.

Exchange & Visiting Students in 2001-02

	Male	Female	Institution	Total
Students Away on Exchange	1	1	Strathclyde, Scotland (2)	2
Students Studying Abroad		1	Edinburgh, Scotland	1
Exchange Students Visiting	1		Strathclyde, Scotland	1
LOP Students Visiting	1	1	Laurentian, Calgary	1

BPHE Program Highlights

A. SSP in Physical Education Pre-Teacher Preparation

In September 2001 the School of Physical and Health Education introduced a subject of specialization (SSP) in pre-teacher preparation. The SSP option is designed for BPHE candidates who are interested in pursuing a career in teaching Physical and Health Education in the elementary and secondary school systems. Successful completion of the SSP program will allow students who declare an interest in teacher preparation to receive documentation indicating that they have completed a Physical Education Pre-Teacher Preparation Program accredited by the Canadian Council of University Physical Education and Kinesiology Administrators (CCUPEKA).

Typically one third to 40 percent of all students entering the concurrent BPHE program indicate an interest in a teaching profession. This stream allows those students to receive optimal training for teaching through the selection of designated courses.

B. Undergraduate Curriculum

The October 2001 curriculum submission from the School of Physical and Health Education included the introduction of several new courses for the BPHE as well as Health Studies concentration.

PHED 450*	Ergonomics
PHED 475*	Selected Topics in the Historical Study of Sport
HLTH 239*	Drug Wars and Cultures in 20 th Century North America
HLTH 433*	Post-Modern Views of STDs

The Ergonomics course represents a cooperative effort with the School of Rehabilitation Therapy and the Faculty of Applied Science. Students in Physiotherapy, Occupational Therapy, Mechanical Engineering and Physical and Health Education will be together in this single course and the instruction will be shared amongst the three academic units.

C. THANK-Q Program

In April 2001, the graduating class of PHED 2001 pledged funds for AV equipment through the THANK-Q program. These monies were combined with additional dollars from the Director's discretionary fund to purchase a new digital photography equipment cart for the Biomechanics laboratory.

D. Undergraduate Achievements, Awards & Scholarships

Graduating Class of 2001

BA-BPHE degrees granted:	28
BSC-BPHE degrees granted:	31
BSCH-BPHE degrees granted:	1
BPHE degrees granted:	6

Medal in PHE, Spring Convocation 2001

Carolyn Casey, BSC-BPHE

BPHE with Distinction, Spring Convocation 2001

Carolyn Casey, BSC-BPHE
Adriano Correia, BSC-BPHE
Erin Cressman, BSC-BPHE
Audrey Giles, BA-BPHE
Lynsey James, BSC- BPHE
Emily Kovacs, BSC-BPHE
Jakob Magolan, BSC-BPHE
Tracy, Weissgerber, BSC-BPHE

Undergraduate Awards

C.A.H.P.E.R.D. Undergraduate Student Award	Audrey Doyle
CSEP Medallion	Carolyn Casey
Don Krestel Memorial Award	Audrey Giles
Mark Howard Pentland Memorial Award	Darlene Holt
PHE 50 th Reunion Volunteer Recognition Award	
2 nd Year	Lauren Capstick
3 rd Year	Meghan Marley
PHE '75 Book Prize	Kristin Giller
Reuben Wells Leonard Scholarships	
Entering 4 th year	Valerie McLeod
Entering 3 rd year	Brooke Biggs
Ron Stewart Physical Education Prize	Kevin Elsey
Stephen J. Hobbs Award	Erin Derbyshire

Scholarships and Bursaries

Marion Ross Bursary
The Donald deFrayne Macintosh Bursary

Dean's Honour List with Distinction (top 3% in program)

9 students in total (two per year, with three students in first year due to a tie)

Dean's Honour List (achieve 80% or better in the academic year)

First year	14 students
Second year	6 students
Third year	11 students
Fourth year	21 students

The total number of students on the Dean's Honour List and Dean's Honour List with Distinction in 2000-01 was 61, representing 18 per cent of the students eligible for consideration.

BPHE Students on CIS Academic All Canadian List

Each year the Canadian Interuniversity Sport (CIS) union names student-athletes to the Academic All Canadian list for attaining at least an 80 per cent overall academic average while competing in a CIS sport. In June of 2001, eleven of the eighty-one students named to this list at Queen's University were students in the concurrent BPHE program.

BPHE Students on OUA Academic All Star List

Each year the Ontario University Association (OUA) for interuniversity sport names student-athletes to the Academic All Canadian list. As with the CIS Academic All Canadian listing, students must attain at least an 80 percent overall academic average in order to receive this honour. In June of 2001, -- of the students named to the list at Queen's University were students in the concurrent BPHE program.

HEALTH STUDIES PROGRAM

Degrees Granted:

- Bachelor of Arts Minor in Health Studies - 3 years; 15.0 credits
- Bachelor of Arts Honours Medial in Health Studies - 4 years; 19.0 credits

Health Studies is a popular program administered through the School of Physical and Health Education. Health Studies is a social science concentration focusing on the enhancement of health and wellness from an individual and population perspective. Arts and Science students may work towards a B.A. degree with a minor concentration in Health Studies, or when combined with another discipline, a B.A. (Honours) degree with a medial concentration in Health Studies.

The Health Studies program is interdisciplinary in content, with option courses from a variety of departments including Physical and Health Education, Women's Studies, Nursing Science, Psychology, Philosophy, and Sociology, among others. The concentration builds on the foundation courses of Contemporary Issues in Health (HLTH 231*) and Introductory Human Anatomy (ANAT 101*) plus a supporting course in Principles of Psychology (PSYC 100). Students in this concentration often combine their interest in health and wellness with a complementary social science concentration (for example, Psychology, Sociology, Women's Studies, etc.) for the purpose of pursuing employment with health care agencies, regional health units, and various community associations. Students considering graduate work in the Health field will require a minimum of the medial concentration to pursue further studies.

The breadth of course offerings and the flexibility of course selection provides students with the opportunity to either focus on a particular aspect of the Health field, for example nutrition or aging, or to attain a broader understanding of health-related issues through a diverse selection of courses. Some of the more popular course selections include Abnormal Psychology, Biomedical Ethics, Sociology of the Canadian Health Care System, and Physical Fitness and Wellness.

Admission requirements are the same as those for any other Bachelor of Arts concentration. Program specifics are available in the School of Physical and Health Education section of the *Arts and Science Calendar*.

Approximately 86 students are completing the Health Studies MED concentration. The most common medial combination is Health Studied and Psychology. In addition, there are 67 students registered in the MIN concentration.

In spring 2001, 14 students in the Faculty of Arts and Science were awarded their BAH MED HLTH and 12 students received a BA MIN HLTH. An additional 7 students in the BPHE program also completed a BA MIN concentration in Health Studies.

STUDENT ACCOMPLISHMENTS

PHESA Executive 2001-02

Co-Presidents	Audrey Doyle Linda Ugrin
Treasurer	
Communications	Nicole Clarke
Internal Affairs	Adrienne Barker
Alumni	Keri Haukioja
'02 Year Rep	Meghan Marley
'03 Year Rep	Bryan Derbyshire
'04 Year Reps	Kristin Giller
'05 Year Reps	Sarah Meadows
Senior Academic	Andree Mitchell
Junior Academic	Mandy Arnold
Activities	Brittany Mathers Alexa Haberer
Merchandise	Robyn McNally
WIC Reps	
Bews Reps	Kevin Cheyne
ASUS Rep	

PHESA Events

Orientation
Welcome Back
Buddy Boat Cruise (cancelled)
Bowlerama
Christmas Semi Formal
Winter Adapted Games
KIN Games
PHE Formal
PHESA Speaker Series
WIC & Volunteer Appreciation Night

PHESA Involvement

Wellness Road Show
Student Initiatives
Representation on Active Schools Committee
Cardio Cube

GRADUATE PROGRAM

The School of Physical and Health Education offers the following graduate degree programs:

- Master of Arts in the "Social Sciences" (Psychology of Exercise and Sport; Sociology of Sport; Human expert Performance)
- Master of Science in the "Natural Sciences" (Biomechanics/ Ergonomics; Physiology of Exercise)
- Doctor of Philosophy In "Applied Exercise Science."

The Schools research programs are recognized both nationally and internationally, providing students with a top quality learning experience. The Graduate Program is led by dedicated faculty who have achieved world wide experience in the broad field of health promotion, disease prevention and healthy sports participation.

The Graduate Program averages a total of 30 full time students per year. As reported below, ten students graduated during the 2001 calendar year. This included 6 M.A. students, 2 M.Sc. students and 2 Ph.D. students.

Seventeen new students were admitted to the graduate program within the 2001 calendar year. This included 5 M.A. candidates, 8 M.Sc. candidates and 4 Ph.D. students.

The Graduate Orientation Week was conducted from 3-6 September 2001. Activities included special sessions on goals and expectations, human rights, health and safety, an interactive TA roundtable discussion and a special TA training session for new TAs. All sessions were well attended by graduate students and faculty members.

Graduate Student Accomplishments 2001:

- Ian Janssen (Ph.D. student from Dr. Robert Ross's lab) received a Governor General's Gold Medal and is now a faculty member at Tufts University.
- Aaron Heenan (Ph.D. student from Dr. Wolfe's lab) received a Canadian Institutes for Health Research Postdoctoral Fellowship Award and now works in Dr. Don Paterson's laboratory in the School of Kinesiology at the University of Western Ontario.

Graduate Student External Awards 2001:

- 3 Ontario Graduate Scholarships
- 2 Ontario Graduate
- Scholarships for Science and Technology
- 1 doctoral award from the Social Sciences and Humanities Research Council
- 1 award from Materials and Manufacturing Canada
- 1 Samuel R. McLaughlin award from Queen's University

SUMMARY OF CURRENT RESEARCH

Adams, Mary Louise (Socio-Cultural Studies)

My research investigates gender in sport. I am currently writing a book manuscript called "Artistic Impressions: Figure Skating, Masculinity and the Limits of Sport." Based on historical and contemporary sources, this project uses the history of figure skating to help us understand how definitions of masculinity have evolved over the last two hundred years. While figure skating is currently considered to be a "girl's sport," in the first half of the nineteenth century it was practiced almost exclusively by men. My work is an attempt to explain this shift and to study its consequences. Funded by the Social Sciences and Humanities Research Council, the project is primarily based on archival research. In the past year I have done research at the British Library in London, and at the National Library of Austria in Vienna. I also analyse media coverage of contemporary figure skating competitions.

Beamish, Rob (Socio-Cultural Studies)

My research interests involve the development of critical social theory and its application to the understanding of sport. Of particular interest is the development of sport policy in Canada, the professionalization of high performance sport, and the use performance enhancing substances by high performance athletes. Dr. Beamish is currently working on a co-authored monograph that will critically examine the development of banned substance policy, banned substance use, and the health and rights of high performance athletes.

Cantelon, Hart (Socio-Cultural Studies)

My research focuses on social power as it is worked out in the sporting realm. Current projects include an investigation of the ski resort industry in Western Canada (funded by SSHRC) and the tensions that exist between global and local marketing initiatives; a comparison of state policy around the funding of high performance sport in Canada, the United Kingdom and Norway; and a study of environmental concerns that arise in the context of mega-sports events like the Olympic Games. Previous research has looked at Canadian sport policy, the production sport on television, and sport organization in the Soviet Union.

Costigan, Pat (Biomechanics)

Our lab is pursuing several research questions. One basic question is related to the sources of variation during gait. A recent investigation looked at the difference in gait variability between the sagittal and frontal planes with changes in cadence, with the result showing that sagittal plane measures such as the knee flexion moment were much more sensitive to cadence changes than were frontal plane measures. Our continuing work on the analysis of gait waveforms using principal component analysis has found it to be very sensitive to changes in the gait waveform profiles and that it is able to distinguish, not only severe OA from normal but mild OA as well. This will help us determine risk factors for OA and help evaluate treatment options. We are currently collecting data from normal subjects who have had a gait analysis done anywhere between five and nine years ago and will be using principal component analysis to detect changes in their gait profiles since their initial visit. Some of these subjects had radiographic OA and slightly abnormal gait profiles and it will be interesting to see what changes have taken place.

We are also examining the effect of interventions on the functional ability of persons with knee osteoarthritis. One study is investigating the mechanics of OA knee bracing that is trying to understand how knee loads are altered by bracing, the magnitude of the load change, where in the gait cycle unloading occurs and if unloading is effected by knee laxity. An exercise intervention study is just beginning and will look at changes in function following a general exercise program that includes flexibility, aerobic and anaerobic components. The goal is to measure changes in functional clinical tests, such as a timed walk, and see if these changes are correlated with changes in objective measures of function, such as gait analysis. A second study that is underway will examine the relationship between a subject's perception of function and their actual function. This project will include quantitative and qualitative research methods to try and uncover psychosocial aspects that explain the mismatch between the patient's perception of their functional ability and the objective measure of function.

One recent and exciting project was the evaluation of a new low cost prosthetic foot for use in developing countries. The foot is a single piece of molded high performance plastic. It underwent an initial design cycle and was then tested on five amputees recruited locally. The volunteers liked the new foot and the quantitative gait results were used to improve the design and validated a finite element model of the foot. The foot was recently sent for field testing in Thailand and we are awaiting the results. This new plastic foot can be produced for a fraction of the cost of current prosthetic feet and will last two to three times longer. This project successfully combined prosthetic design, mechanical engineering, material science, manufacturing science, clinical evaluation and subjective evaluation and stands as a great example of the team approach to research and development. One goal, of both our lab and our School, is to promote an integrated approach to research and learning to improve the health of Canadians.

Laboratory highlights for 2001:

- In the gait lab we use the Optotrack motion tracking system coupled with a flush-mounted floor force plate or a force plate embedded in a four step stair case to examine walking and stair climbing.
- Current projects include level walking and stair ascent evaluations of knee replacement patients pre- and post-operatively, the effect of an exercise program on knee osteoarthritis patients, the evaluation of an OA knee brace and a combined psych-social and mechanical evaluation of patients on an OA surgical waiting list.
- Currently we are developing tools and procedures to evaluate the role of knee proprioception in the progression of OA. Funding from the CFI to both the Human Mobility Research Centre and the Motor Performance Group will make new equipment accessible and expand our testing capacity.
- The equipment includes a telemetry EMG system, a force plate instrumented treadmill, an electromagnetic motion tracking system, a portable metabolic cart and various other pieces of small equipment.

Côté, Jean (Psychology of Sport and Physical Activity)

My research focuses on understanding and facilitating the development of expertise and participation in sport and exercise. The development of expertise and participation is viewed broadly and includes important considerations such as the influence of significant individuals (families, coaches, peers), motivation and emotions, and teaching and learning. The developmental approach allows consideration of novice through expert individuals or from youth

sport participants to world-class performers. Because sport provides a platform for learning and developing self-control, this line of research is relevant to standards for education. There is a growing body of literature in developmental psychology recognizing the importance of sport as a pro-social activity that can contribute to a positive life trajectory. Sport is an activity in which youth have reported experiencing the unusual combination of high intrinsic motivation and determined engagement over extended periods of time. Sport, therefore, is a context that is optimally suited to preparing youth to realize high levels of achievement throughout their lives. Through my research what we have learned about participation and expert performance in sport and its acquisition is applicable to understanding and improving competence in other domains such as school and the workplace. The ultimate objective of my research is for more people to attain competence at higher levels than ever before.

Deakin, Janice (Motor Behaviour)

Two distinct areas of research are conducted within the motor behaviour laboratory. The first program area is devoted to the evaluation of the development of expert performance. Expertise has been examined in a variety of sport settings including figure skating, the martial arts, basketball and volleyball, with a view to understanding the constituent components underlying exceptional levels of performance. We have recently extended our investigation to include the influence of skill level on coaching behaviour.

The development of bona fide physical occupational requirements is the second research program in our laboratory. The development of empirical and statistical models for the establishment of physical occupational standards is a central component of this research theme. Graduate students in this program are routinely involved in large-scale data collections that involve physical demand analyses, task development and statistical modeling of specified occupations in the public sector.

Ross, Bob (Physiology of Exercise)

Over the next five years our research program will focus on two (2) principal objectives. The first objective is twofold. First, to determine the mechanisms (processes) that explain the age-related deterioration in functional capacity and insulin resistance. Second, to develop effective, lifestyle based therapeutic strategies designed to reduce abdominal obesity, improve functional performance and cardiovascular risk profile in the elderly. It is anticipated that the results of this research will provide a better understanding of the processes that explain the age-related deterioration in glucose tolerance, thereby providing the basis for improved therapeutic strategies, the reduction in health risk, and an improved functional capacity among elderly persons. The second objective is two determine the interaction of exercise and caffeine on insulin resistance in obese and type 2 diabetics. In so doing we hope to uncover the mechanisms that link caffeine consumption and insulin resistance and thus, provide guidelines for caffeine consumption to clinicians and diabetics.

Laboratory highlights for 2001:

- Opened our new, 1500 square foot Metabolic Investigation Unit within the Hotel Dieu Hospital
- Purchased over \$100,000 of new research equipment including two new metabolic carts (Delta Trac and SensorMedics Vmax)

Smith, Geoff (Historical Studies of Sport)

I am conducting research on a number of related items. I am interested in intersecting themes of sport, health, and security, especially in international contexts. I am currently working on two books, one tentatively titled "Contagious Subversion: Sex, Security, and the Cold War United States," the other "The Olympic Games in an Era of Revolution, 1960-1984". I also work on health related subjects, including the metaphorical usage (and popular culture appearances) of STDs in security discourse by elites, and the self-defeating character of "drug wars" from the Opium Wars of the 1840s through the current "war" in Latin America. I am an historian with experience in several fields, including cultural studies, sociology, and political science.

Stevenson, Joan (Biomechanics and Ergonomics)

I am a full professor in occupational biomechanics with a cross-appointment to the School of Rehabilitation Therapy. I have worked with research teams on low back pain in industry, evaluation of lifting techniques and ergonomics programs in industry. Currently I am the Coordinator of the Ergonomics Research Group and a Consulting Program at Queen's. I also lead a team of researchers in the design and evaluation of personal load carriage systems under Defence Research and Development Canada (DRDC) and for other NATO countries. I am currently working with a team to develop design guidelines of children's backpacks.

Tschakovsky, Michael (Physiology of Exercise)

The proper function of the cardiovascular system is indispensable for human survival and adaptation to challenges such as exercise or exposure to extreme environments (e.g. altitude), since it is the sole agent for delivery of oxygen and removal of carbon dioxide from tissues. The fact that the prevalence of cardiovascular dysfunction (disease) is quite high in so called "developed" nations means that understanding the mechanisms of cardiovascular control in humans is essential. Therefore, research in this laboratory is aimed at gaining insight into a. the action, interaction and adaptation of cardiovascular control mechanisms in response to challenges such as exercise, space-flight, and altitude; b. the mechanisms involved in cardiovascular dysfunction in diseased humans. These lines of research provide us with a clearer understanding of cardiovascular function and a scientific basis for the treatment of cardiovascular diseases.

Laboratory highlights for 2001:

- In this laboratory we can perform pharmacological infusions of various drugs designed to block or activate putative cardiovascular control mechanisms, thus allowing us to investigate the specific mechanisms responsible for cardiovascular control.
- State of the art equipment used in our lab includes: Doppler ultrasound (measures blood vessel diameter and blood velocity), blood gas analyzer (analyzes blood samples for gases and metabolites: provides information on the interactions of blood flow and muscle metabolic adaptations), venous occlusion strain gauge plethysmography (non-invasively measures limb blood volume and fluid changes), finger plethysmography (non-invasively measures blood pressure via the finger), and computer systems equipped with state of the art data collection and analysis software.
- This equipment allows us to efficiently measure the peripheral (e.g. limb blood flow, blood vessel diameter) and central (e.g. cardiac output, blood pressure) circulatory responses to a variety of stressors during pharmacological interventions, while causing minimal discomfort to our subjects.

- Access to other equipment is also available via collaboration within our department. This includes, but is not limited to, exercise bike and breath-by-breath oxygen uptake measurement systems, and biochemical analysis equipment.

Larry Wolfe (Physiology of Exercise)

The exercise/pregnancy research program was established in 1985. Its purpose is to gain new knowledge on physiological interactions between pregnancy and exercise. Current topics of interest include effects of pregnancy on responses to prolonged exercise, causes of breathlessness (dyspnea) in healthy pregnancy and the usefulness of prenatal exercise to prevent pregnancy-induced high blood pressure.

Laboratory highlights for 2001:

- In cooperation with Dr. Tschakovsky and other researchers at Queen's, we are currently developing a proposal to explore the usefulness of prenatal exercise to prevent or treat preeclampsia (a very serious and common maternal fetal disease with no known effective treatment).
- Support has been received from the Ontario Thoracic Society to acquire an acid-base analyzer.
- Support has been received from the Spear Foundation and Ontario Thoracic Society for a new project entitled "Respiratory Limitation to Exercise Tolerant in Late Gestation: Fact or Fiction?"
- Ongoing projects include "Early Human Pregnancy: A New Model for the Study of Chemical Control in Ventilation" and "Effects of Human Pregnancy on Acid-Base Balance, Temperature Regulation and Fluid/Electrolyte Balance during Prolonged Exercise."

RESEARCH GRANTS

Funding Source	Project Title	Total Grant	Start/End	Researchers
SSHRC	Figures Skating and the Representation of Gender in Sport	\$35,000	1999-2002	Adams, ML
Queen's University Self-funded Program	Government Sports Policy and Olympic Productivity	\$5,000	2001-02	Cantelon, H
Canadian Hockey Association	The Role of Parents in Children's Hockey Participation	\$ 5,927	2001-02	Côté, J
SSHRC	The Roles of Families in Children Involvement in Sport	\$80,867	1999-2002	Côté, J
J&J / DePuy	An investigation of TKR kinematics on patient performance	\$80,000	Sept 1999-Sept 2001	Rudan , Bryant, Costigan, PA
SulzerMedica	The kinematic differences between a fixed and rotating platform knee implant	\$56,000	Sept 1999-Sept 2001	Costigan, PA, Wyss
SSHRC	Cognitive effort and reflection as the common basis for deliberate practice	\$63,806	1999-2003	Van Gyn, G & Deakin, JM
SSHRC	A Lifespan Perspective on Sport Performance and Commitment	\$91,344	2002 – 05	J Côté (PI), Deakin, JM
CIHR	Reducing Obesity...Elderly	\$675,000	2002-07	Ross, R
CIHR	Equipment Grant	\$63,000	2001	Ross, R
NSERC-CHRP	Adenosine and Caffeine	\$409,875	2001-03	Ross, R
CIHR	Reducing Obesity	\$216,000	1999-2002	Ross, R
Mars Corporation (USA)	Reducing Obesity	\$30,000 (US)	2000-02	Ross, R
Premiere's Research Excellence Award		\$100,000	1999-2004	Ross, R
Premiere's Research Excellence Award		\$50,000 (US)	1999-2004	Ross, R
PWGSC-DCIEM	Development of a Dynamic Biomechanical Model of Human Load Carriage – Phase 1	\$ 69,280.00	Oct-Mar 2001-02	Stevenson JM, Bryant, JT, Morin EL, Pelot, RP
PWGSC-DCIEM	Development of a Dynamic Biomechanical Model of Human Load Carriage-Phase 2	\$ 80,910.00	Jan-Mar 2001	Stevenson JM, Bryant, JT, Morin EL, Pelot, RP

Funding Source	Project Title	Total Grant	Start/End	Researchers
PWGSC-DCIEM	Development of a Dynamic Biomechanical Model of Human Load Carriage-Phase 3	\$ 80,420.00	Aug-Mar 2001-02	Stevenson JM, Bryant, JT, Morin EL, Pelot, RP
PWGSC-DCIEM	Feasibility of a Portable Measurement System	\$ 161,400.00	Apr –Mar 2000-01	Morin EL, Stevenson JM, Bryant, JT
PWGSC-DCIEM	Portable Data Acquisition System	\$ 144,750.00.	Apr – Mar 2001-02	Morin EL, Stevenson JM, Bryant, JT
NSERC Operating Grant	Biomechanical and statistical strategies to study technique and strength attributes that affect lifting performance	\$ 145,000.00	May-April 2001-2006	Stevenson, JM, Smith JT
CFI New Opportunities Fund	Human Vascular Control in Health, Exercise and Disease	\$400,000	2001	Tschakovsky, ME
Queen's ARC	The Role of Venous Pressure in Determining Muscle Blood Flow in Humans: Investigating the Muscle Pump	\$10,000	Nov '01-Nov '02	Tschakovsky, ME
Canadian Forces Personal Support Agency (DND)	Effects of Human Pregnancy on Acid-Base Balance, Temperature Regulation and Fluid/Electrolyte Balance During Prolonged Exercise	\$35,000	March 24, 2000 to completion	Wolfe, LA
Ontario Thoracic Society	Early Human Pregnancy: A New Model for the Study of Chemical Control of Ventilation	\$24,300	July 1, 1999 to June 30, 2002	Wolfe, LA & Davies, GAL
Defense Women's Health Research Program (US Army)	Effects of Human Pregnancy on Responses to Exercise Above and Below the Ventilatory Anaerobic Threshold	\$184,768 US	October 1, 1996 to Feb 28, 2001	Wolfe, LA

Graduate Students – Status in Program

Degree – MA

Name	Supervisor(s)	Year Started
Allain, Kristi	Cantelon, H	2001
Ferguson, Tamara	Adams, ML	2001
Hamelin, Louise	Cantelon, H	2000
Horton, Sean	Deakin, J	2001
Kos, Karen	Albinson, J	2001
MacEwen, Leslie	Smith, GS	2001
Overend, Alissa	Adams, ML	2001
Pardoel, Henk	Adams, ML	1994
Robertson, Jennifer	Deakin, J & Côté, J	2000
Sykes, Marc	Smith, GS	1997
Trainor, Teresa	Côté, J	1998
Wall, Michael	Côté, J	2001
Wicke, Jason	Côté, J	2001

Degree – MSc

Name	Supervisor(s)	Year Started
Abdoli, Mohammad	Stevenson, J	2001
Andrachuk, John	Ross, R	2001
Charlesworth, Sarah	Wolfe, LA	2000
Dwyer, Erin	Tschakovsky, ME	2001
Good, Josh	Stevenson, J	2001
Glenn, Nicole	Wolfe, LA	2001
Jensen, Dennis	Wolfe, L	2001
Kilpatrick, Katherine	Ross, R	1999
Kuk, Jennifer	Ross, R	2001
Lynn, Scott	Costigan, P	1999
Musselman, Reilly	Costigan, P	2001
Nguyen-duy, Thanh Binh	Ross, R	2000
Pyke, Kyra	Tschakovsky	2001
Weissgerber, Tracy	Wolfe, L	2001
Wong, Suzy-Lai	Ross, R	2001

Degree - PhD

Name	Supervisor(s)	Yr Started
Avery, Nicole	Ross, R & Wolfe, L	1998
Baker, Joseph	Deakin, J & Côté, J	1999
Eger, Tammy (PT)	Stevenson, J	2002
Lamour-Trode, Sherrey (PT)	Stevenson, J	2001
Lee, So Jung	Ross, R	2001
Letters, Michael	Cantelon, H (Ext Supervisor – W Aust)	
MacNeil, Steven K	Costigan, P	1998
Martyn, Robert (History)	Smith, GS	2000
Mayne, Richard (History)	Smith, GS	2001
Mngoma, Nomusa (PT)	Stevenson, J	1998
O'Sullivan, Tracey	Wolfe, LA & Albinson, J	
Stark, Tobias	Cantelon, H (Ext Supervisor – Sweden)	

Graduate Students (past five years)

Name	Degree Granted	Year	Thesis/Dissertation Topic	Post-Degree
Beamer, Madelyn Côté	MA	2001	The Development of Expertise in Rhythmic Gymnastics	Member of teaching faculty at Brock University
Bruff, Sandi Albinson	MA	2001	The Lived Experiences of Physical Training During First Year Orientation Camp at the Royal Military College of Canada	Member of faculty at Royal Military College, Kingston, ON
Cobley, Stephen Deakin	MA	2001	Evaluating the Microstructure of Practice: The Examination of Coach Expertise and Practice Structure.	Member of teaching faculty at Eastbourne U.K.
Freeman, Jennifer Ross	MSc	2001	Abdominal Adiposity, Skeletal Muscle Composition & Insulin Resistance in Overweight Pre-Menopausal Women	Working in health and fitness industry
Gleeson, Michael Costigan	MSc	2001	Stair-Climbing Ability & Leg Muscle Strength Following Total Knee Arthroplasty	Worked for six months in Africa with Olympic Aid; now a PhD candidate in Bioethics.
Heenan, Aaron Wolfe	PhD	2001	Human Pregnancy: An Integrated Model for the Study of Physiological Control Systems	CIHR Postdoctoral Fellow, School of Kinesiology, University of Western Ontario
Janssen, Ian Ross	PhD	2001	Linking Age-Related Changes in Skeletal Muscle Morphology with Metabolism & Disease	Postdoctoral Fellow, Tuft's University
Ready, Taryn Albinson	MA	2001	Physical Education: An Examination of the Experiences of Female Adolescents as Related to Their Self-Esteem & Body Esteem	
Soberlak, Peter Côté	MA	2001	A Retrospective Analysis of the Development and Motivation of Professional ice Hockey Players	Physical Education and Life Skills Coordinator, AILANTHUS Achievement Centre, Vancouver
Taylor, Mike Adams	MA	2001	Physical Education at the Royal Military College of Canada: A Case for Academic Accreditation	National Physical Fitness Manager, Canadian Forces, Ottawa
Wright, Andrew	MA	2001	A Retrospective Analysis of Leadership Development Through Sport	
Aru, Jim Ross	MSc	2000	Abdominal Fat Distribution, Measured by Magnetic Resonance Imaging, & Insulin Resistance	Attending Chiropractic College

Name	Degree Granted	Year	Thesis/Dissertation Topic	Post-Degree
Brown C. Ann Wolfe	PhD	2000	Autonomic Modulation of Heart Rate in Men and Women following Coronary Artery Bypass Graft Surgery	Assistant Professor, School of Nursing, Queen's University
Myslivecek, Paula Wolfe	MSc	2000	Influence of Physical Conditioning and Reproductive State on Cardiac Autonomic Control in Healthy Women	Tennis Pro, Florida
Oakley, Paul Costigan	MSc	2000	Changes in Three-Dimensional Knee Kinematics & Kinetics Within Normative Gait Speeds	Attending Chiropractic School in Iowa
Potter, Derek Costigan	MSc	2000	Gait Analysis of a New Low Cost Foot Prosthetic for use in Developing Countries	Manager, Gait Lab for Queen's Centre for Enhanced Mobility
Albert, Wayne Stevenson/ Costigan	PhD	1999	Analysis of Freestyle Lift used by Experienced Lifters	Assistant Professor, School of Kinesiology, University of New Brunswick
Beachamp, Mark Albinson	MA	1999	An Examination of Pre-Performance Imagery Use by High and Low Performers From Golf and Tennis	PhD candidate
Fortier, Chris Deakin	MSc	1999	Instrumentation of Handles for Evaluation of One & Two Person Stretcher Tasks	Medical School at Queen's University
Houghton, Katherine Albinson	MA	1999	Widening the Frontier of Sport Psychology: an Examination of Sexual Abuse in Sport	PhD candidate, DeMontfor, England
Kirkwood, Kenneth Cantelon	MA	1999	Four Thematic Variations on the Decline of Sport	PhD candidate
Marcial, Marcio Stevenson	PhD	1999	Evaluation of Spinal Kinematics Using the Fastrak During the Truck Velocity Test	Assistant Professor, University of Minas Gervais, Brazil
Mazonni, Claudia Stevenson	PhD	1999	Impairment, Disability and Functional Assessment in Individuals Symptomatic of Upper Extremity Cumulative Traumatic Disorders	Assistant Professor, University of Minas Gervais, Brazil
Paddags, Anne Ross	MSc	1999	Effects of Exercise and/or Diet on Plasma Lipid & Lipoprotein Levels in Obese Women	Medical Student, University of Western Ontario
Rigby, Alan Stevenson	MSc	1999	Development of a Biomechanical Model and Validation of Assessment Tools for Personal Load Carriage Systems	Prosthetist in Calgary
Avery, Nicole Wolfe	MSc	1998	Effects of Human Pregnancy on Cardiac Autonomic Control Above & Below the Ventilatory Anaerobic Threshold	Attending Medical School in Australia

Name	Degree Granted	Year	Thesis/Dissertation Topic	Post-Degree
Dagnone, Joel Ross	MSc	1998	Separate Effects of Diet - & Exercise-Induced Weight Loss on Insulin Sensitivity	MD in Department of Medicine
Doan, Jonathan Stevenson	MSc	1998	Development of a Human Performance Scale for Load Carriage Systems	PhD student , University of Lethbridge
Eger, Tammy Stevenson	MSc	1998	Load Transfer to Hands during 2D Saggital Plane Box Lift	Adjunct Professor, School of PHE/Kinesiology, Laurentian University
Falzata, Maurizio Cantelon	MA	1998	The Future of School Physical Education In Light of the Harris Government Educational Policies	Secondary school teacher in Hamilton, ON
Foster, Nicole Wolfe	MSc	1998	Associations Between Adipose Tissue Distribution Pattern & Insulin Sensitivity in Upper Body Obese Men	Cardiac Rehab Specialist, Sunnybrook Hospital, Toronto
Grant, Heather Cantelon	MA	1998	Sporting Experience and Images of Self-Esteem Among Adolescent Girls in a Compulsory P.E. School Setting.	Teacher & guidance counselor at Appleby College, Oakville, ON.
O'Hanley, John Cantelon	MA	1998	Women in Non-traditional Sport: the Rise and Popularity of Women's Rugby in Canada.	Teacher with Elk Island School Board, AB
Spencer, Gail Stevenson	MSc	1998	Computer Printing Devices: An Evaluation of Three Devices and their Effect on Wrist Position, Preference and Performance	Physiotherapist in Ottawa
Chute, Niki Albinson	MA	1997	Psychological Responses & Adjustments to Sport Injuries by Varsity Athletes	Physiotherapy program at University of Western Ontario
Costigan, Pat Reid	PhD	1997	Gait and Lower Limb Alignment in Patellofemoral Joint Pain Syndrome	Assistant Professor, School of Physical and Health Education, Queen's University
Falcous, Mark Cantelon	MA	1997	The Global Impact of the Media on Rugby League	PhD, Loughborough University, UK (2002). Lecturer, Chester College of Higher Education.
Garvie, Ken J. Andrew	MSc	1997	The Quantification of Anaerobic Energy Production and the Alactic and Glycotic Energy Components During Short, Intense Workouts	MD in Hamilton, ON
Heenan, Aaron Wolfe	MSc	1997	Acid-Base Regulation Above and Below the Ventilatory Anaerobic Threshold in Late Gestation	Ph.D., School of Physical and Health Education, Queen's University

Name	Degree Granted	Year	Thesis/Dissertation Topic	Post-Degree
Hodge, Thana Deakin	MSc	1997	Deliberate Practice and Expertise in the Martial Arts: The Role of Context in Motor Recall	RCMP
Letters, Michael Cantelon	MA	1997	The International Olympic Committee and Transitionalism	Dentist in Brisbane, Australia
McAuley, Sonja Wolfe	MSc	1997	Effects of Aerobic Conditioning on Glucose/Lactate Responses and Respiratory Adaptations to Strenuous Exercise in Late Gestation	Pharmaceutical Company Representative
Mitsiopoulos, Nikolaos Ross	MSc	1997	Validation of Magnetic Resonance Imaging and Computerized Tomography Measurement of Skeletal Muscle by Comparison to Human Cadaver	Working in health and fitness industry
Morris, Jemima Albinson	MA	1997	The Impact of Cause of Disability and Level of Competitions on Coping Strategies of Wheelchair Athletes	Sport Council of United Kingdom
Morton, Patti Stevenson	MSc	1997	An Investigation into Lumbar Spine Flexion Used to Stoop Lifting from Four Start Heights	Physiotherapist, Almonte
Rice, Brenda Ross	MSc	1997	Effects of Exercise and/or Diet on Plasma Insulin and Glucose Levels in Obese Men	Medical student, Trinity College, Dublin, Ireland
Stewart, Geoff Albinson	MA	1997	A Single Subject Design to Study the Effects of a Mental Imagery Intervention on Basketball Free Throw Performance	Teaching at Bayridge Secondary School, Kingston, ON
Torcolacci, Melody Cantelon	MA	1997	Social Factors Which Influence Canadian Women's Participation in the Shot Put	Adjunct Faculty, School of PHE, Queen's University

Graduate Seminar Series

Date	Speaker	Title
January 19, 2001	Michael J. Joyner, MD Mayo Clinic & Foundation Department of Anesthesia Research	Nitric Oxide and Vasodilation in Human Limbs
January 26, 2001	Peter Donnelly, PhD University of Toronto School of Physical & Health Education	The Crisis in School Sport in Ontario
February 9, 2001	Larry Wolfe, PhD Queen's University School of Physical & Health Education	Physiology of Exercise in Pregnancy: Recent Progress and Future Directions
March 2, 2001	Jim Riordan, PhD University of Stirling, Scotland Department Sport Management	Methodology in Comparative Studies: Reflections on Soviet Sport
March 9, 2001	Geoff Smith, PhD Queen's University School of Physical & Health Education	Babe Didrikson Zaharias and Cold War Gender Politics
March 23, 2001	Diane St. Marie, PhD University of Ottawa	Gymnastic Judging: Investigating Memory Biases
April 6, 2001	Michael Tschakovsky, PhD Queen's University School of Physical & Health Education	Role of Cardiovascular Systems in the Adaptation to Exercise
April 20, 2001	Stuart Phillips, PhD McMaster University Department of Kinesiology	Muscle Protein Turnover in Humans: Maximizing the Anabolic Stimulus
October 12, 2001	Hamish Mackie, PhD candidate University New Zealand	The Physical Demands of Load Carriage in School Students
October 26, 2001	Mary Louise Adams, PhD Queen's University School of Physical & Health Education	Thoughts on the Social History of Skating
November 9, 2001	Bill Fitzell International Historic Hockey Museum	How Hockey has Gone to Hell in a Hand Basket Since Day One
November 23, 2001	Larry Wolfe, PhD Queen's University School of Physical & Health Education	Acid-Gas Regulation and Control of Breathing: Lessons Learned from Exercising Pregnant Women

PUBLICATIONS (2001)

- **Refereed Journals**

Adams M.L. (2001). Youth, sex and Toronto's postwar moral panic over delinquency. In Canada: Confederation to Present, edited by Rod Macleod et al. Edmonton, Chinook Multimedia. (Article on CD-rom)

Albert W.J. Bonneau J. Stevenson J.M., & Gledhill N. (2001) Back fitness and back health assessment considerations for the Canadian Physical Activity, Fitness and Lifestyle Appraisal. Canadian Journal of Applied Physiology 26(3): 291-317.

Avery N.D., Wolfe L.A., Amara C.E., Davies G.A.L., and McGrath M.J. (2001) Effects of human pregnancy on cardiac autonomic function above and below the ventilatory threshold. Journal Applied Physiology 90: 321-328.

Baker J., Côté J., and Abernethy B. (2001). Changes in athletes' perception of various training activities as they travel the road to expertise. In A. Papaioannou, M. Goudas, & Y. Theodorakis (Eds.) Proceedings of the 10th World Congress of Sport Psychology (Vol 4), (pp.13-15). Skiathos Island, Greece.

Beamer M., Ericsson K.A., Côté J, and Baker J. (2001). Developmental changes in expert gymnasts' training activities: Toward a framework for the development of deliberate practice. In A. Papaioannou, M. Goudas, and Y. Theodorakis (Eds.) Proceedings of the 10th World Congress of Sport Psychology (Vol 2), (pp.308-310). Skiathos Island, Greece.

Cantelon H. and Riordan J. A. A New York Jew hits the 'big time' in Soviet Uzbekistan: an application of Eisen's observations concerning Jewish sport history. Journal of Sport History. Juried and accepted for publication with revisions.

Côté J., Baker J., and Abernethy B. (2001). Stages of sport participation of expert decision-makers in team ball sports. In A. Papaioannou, M. Goudas, & Y. Theodorakis (Eds.) Proceedings of the 10th World Congress of Sport Psychology (Vol 3), (pp.150-152). Skiathos Island, Greece.

Cunnane S.C., Ross R., Bannister J.L. and Jenkins D.J.A. (2001) B-oxidation of linoleate in obese men undergoing weight loss. American Journal of Clinical Nutrition 73: 703-708.

Greer F., Hudson R., Ross R. and Graham T. (2001) Caffeine ingestion decreases glucose disposal during hyperinsulinemic euglycemic clamp in resting humans. Diabetes 50: 2349-2354.

Heenan A.P., Wolfe L.A., and Davies G.A.L. (2001) Maximal exercise testing in late gestation: maternal responses. Obstetrics and Gynecology 97: 127-134.

Preston R.J., Heenan A.P., and Wolfe L.A. (2001) Physicochemical analysis of phasic menstrual cycle effects on acid-base balance. American Journal of Physiology (Regulatory, Integrative and Comparative Physiology) 280: R481-R487.

Ross R., and Janssen I. (2001) Physical Activity, Total and Regional Obesity: Dose-Response Considerations. Medical Science Sport Exercise 33 (6): S521–S527.

Ross R., and Heymsfield S.B. (2001) Sarcopenia (muscle wasting) and aging: significance of exercise. Canadian Journal of Applied Physiology 26(1):76-77.

Stevenson J.M., Weber C.L. Smith J.T., Dumas G.A. Albert W.A. (2001) A longitudinal study of low back pain in an industrial population. Spine 26(12):1370-1377.

Stevenson J.M. Weber C.L. Smith J.T., Dumas G.A. and Albert W.A. (2001) Mild low back pain: An analysis of predisposing factors. In World Congress of Low Back Pain and Pelvic Pain, 4th Edition Eds: A.Vleeming, V. Mooney S Gracovestsky, Montreal, 334-338.

- ***Published Abstracts***

Brown C.A. (Wolfe L.A., Supervisor) (2001) Ph.D. Dissertation Abstract. Autonomic Modulation of Heart Rate in Men and Women Following Coronary Bypass Surgery. Canadian Journal of Applied Physiology. 26: 409.

Heenan A.P. (Wolfe L.A., Supervisor). (2001) Ph.D. Dissertation Abstract. Human Pregnancy: An Integrated Model for the Study of Physiological Control Systems. Canadian Journal of Applied Physiology 26: 607- 608.

Heenan A.P. and Wolfe L.A. (2001) Plasma osmolality and [SID] predict respiratory adaptation from the pregnant to nonpregnant state. Canadian Journal of Applied Physiology. 26: 484.

Mottola M.F., Inglis S., Brun C., Batada A., Hammond J., LeBrun C., and Wolfe L.A.. (2001) Cardiorespiratory responses to peak treadmill exercise in active pregnant women. Canadian Journal of Applied Physiology 26: 499.

O’Sullivan T.L., Wolfe L.A., and Albinson J.G. (2001) The effects of exercise training on aerobic capacity, perceived fitness, and cardiac control in previously sedentary post-menopausal women. Canadian Journal Applied Physiology. 26: 501.

- ***Books & Book Contributions***

Côté J., Baker J., and Abernethy B. (In press) From play to practice: A developmental framework for the acquisition of expertise in team sport. In K.A. Ericsson & J. Starks (Eds). Recent advances in research on sport expertise. Champaign, IL: Human Kinetics.

Deakin J.M. & Cogley S. (in press). An examination of the practice environments in figure skating and volleyball. A search for deliberate practice. In. J.L. Starks & A. Ericsson (Eds). Recent advances in research on sport expertise. Champaign, Illinois: Human Kinetics Pub.

Fried S. and Ross R. The biology of visceral adipose tissue. In: Handbook of Obesity. Eds.: C. Bouchard and G. Bray. (In Press).

Heymsfield S.B., Allison D., Baumgartner R.N., Wang Z. and Ross R. Evaluation of total and regional body composition. In: Handbook of Obesity. Eds.: C. Bouchard and G. Bray. (In Press).

Ross R., Janssen I., and Stallnecht B. (2001) Influence of Endurance Exercise on Adipose Tissue Distribution. In: *Endurance Exercise and Adipose Tissue*. Eds B. Nicklas. CRC Series in Exercise Physiology, CRC Press. pp 121-153.

- **Book Reviews**

Smith G.S. Book review, Mark L. Kleinman. (2001) *A World of Hope, a World of Fear: Henry A. Wallace, Reinhold Niebuhr, and American Liberalism* (Columbus: The Ohio State Univ. Press, 2000), in International History Review, 23, 987-989.

Smith G.S. Book review, Richard M. Fried. (2001) "The Russians are Coming! The Russians are Coming!": Pageantry and Patriotism in Cold War America (New York: Oxford University Press, 1998), in Journal of American History, 88, 143.

Smith G.S. Book review, John H. Schroder. *Matthew Calbraith Perry: Sailor and Diplomat* (Annapolis MD: Naval Institute Press, 2001), in Pennsylvania Magazine of History and Biography. (In Press).

- **Conference Proceedings**

Andrachuk J. Hudson R. and Ross R. (2001) Independent influence of visceral and abdominal subcutaneous adipose tissue on insulin action in men and women. North American Association for the Study of Obesity. *Obesity Research* 9: 66S.

Andrachuk J. Hudson R. and Ross R (2001) Is the subdivision of abdominal subcutaneous fat into metabolically distinct depots clinically useful? Canadian Journal of Applied Physiology 26(5): 459.

Baker J., Côté J., and Abernethy B. (2001). Changes in athletes' perception of various training activities as they travel the road to expertise. Paper presented at the 10th World Congress of Sport Psychology. Skiathos Island, Greece.

Baker J., Côté J., and Abernethy B. (2001). Learning from the experts: Training activities of expert sport decision-makers. Paper presented at the meeting of the Eastern Canadian Sport and Exercise Psychology Symposium, London, Ontario, Canada.

Beamer M., Ericsson K.A., Côté J, and Baker J. (2001). Developmental changes in expert gymnasts' training activities: Toward a framework for the development of deliberate practice. Paper presented at the 10th World Congress of Sport Psychology. Skiathos Island, Greece.

Bossi L.L., Stevenson J.M., Bryant J.T., Pelot R.P., Reid S.A., and Morin E.L. (2001) Development of a suite of objective biomechanical measurement tools for personal load carriage system assessment. Proceedings of the RTO – NATO Specialist Meeting, 14;1-7.

Bryant J.T., Doan J., Stevenson J.M., Pelot RP. (2001) Validation of objective based measures and development of a performance based ranking method for load carriage systems. Proceedings of the RTO – NATO Specialist Meeting, 15;1-12.

Costigan P.A. and MacNeil S. (2001) Unloading a dynamic system. Sports Med '01 Toronto Ontario, Jan 26.

Costigan P.A., Deluzio K.J. and Wyss U.P. (2001) Knee implant differences detected with gait analysis. CORS London, Ontario, June.

Costigan P.A. (2001) The Open Source Motion Analysis project. ISB Zurich, Switzerland, July 8-13.

Côté J., Ericsson K. A., and Beamer M. (2001). Tracing the Development of Elite Athletes with Retrospective Interview Methods. Paper presented at 109th Annual Convention of the American Psychological Association, San Francisco, California, United States.

Côté J., Baker J., and Abernethy B. (2001). Stages of sport participation of expert decision-makers in team ball sports. Paper presented at the 10th World Congress of Sport Psychology. Skiathos Island, Greece.

Deakin J.M. (2001) What they do versus what they say they do: An assessment of practice in figure skating. Proceedings from the International Society of Sport Psychology (ISSP), 10th World Congress of Sport Psychology. Volume 3, pp. 153-156.

Deakin J.M., Smith J.T., Pelot R. and Weber C.L. (2001). Methodological considerations in the development of physical maintenance standards. Proceedings from the BFOR Consensus Forum. Toronto, Canada, pp 15-21.

Deluzio K.J., Costigan P.A., Wyss U.P., Zee B.C. and Sorbie C. (2001) The link between radiographic osteoarthritis and abnormal gait. CORS London, Ontario, June.

Deluzio K.J., Costigan P.A., Astephen J.A. and Wyss U.P. (2001) Gait patterns associated with differences in total knee replacement design. ISB Zurich, Switzerland, July 8-13.

Deluzio K.J., Costigan P.A., Astephen J.A. and Wyss U. (2001) Gait pattern changes and osteoarthritis. ISB Zurich, Switzerland, July 8-13.

Deshpande N., Costigan P.A., and Brouwer B. (2001) Is Individually based standardization of base of support required for measurement of center of pressure excursion? A pilot study. ISPG Maastricht, The Netherlands June 22-27.

Freeman F., Hudson R., and Ross R. (2001) Abdominal adiposity, skeletal muscle composition and insulin resistance in overweight pre-menopausal women. Canadian Society for Exercise Physiology. Canadian Journal Applied Physiology 26(5): 480.

Freeman F., Hudson R., and Ross R. (2001) Abdominal adiposity, skeletal muscle composition and insulin resistance in overweight pre-menopausal women. North American Association for the Study of Obesity. Obesity Research 9: 166S.

Janssen I., Katzmarzyk P., and Ross R. (2001) Evidence supporting the NIH waist circumference cutoff values used to identify increased health risk within the different body mass index categories. Obesity Research 9: 99S.

Johnson R.C., Pelot R.P., Doan J.B. and Stevenson J.M.. (2001) The effect of load position on biomechanical and physiological measures during a short duration march. Proceedings of the RTO – NATO Specialist Meeting, 4;1-6.

Lee S.J., Janssen I., Heymsfield S.B., and Ross R. (2001) Gender differences in the interrelationships between skeletal muscle, fat mass and body weight. Canadian Journal of Applied Physiology 26(5): 494.

Lee S.J., Janssen I., Heymsfield S.B., and Ross R. (2001) Gender differences in the accumulation of skeletal muscle and fat mass with increasing body weight: A cross-sectional study. North American Association for the Study of Obesity. Obesity Research 9: 166S.

MacNeil S. and Costigan P.A. (2001) The effect of design characteristics on brace stiffness. Sports Med '01 Toronto, Ontario, Jan 26.

Nguyen-Duy T.B., Hudson R., and Ross R. (2001) Effects of exercise and weight loss on regional body composition and insulin resistance in premenopausal women. Canadian Journal Applied Physiology 26(5): 500.

Nguyen-Duy T.B., Janssen I., Freeman J., Blaine C., Dawson J., Hudson R. and Ross R. (2001) Independent influence of exercise and weight loss on abdominal obesity, skeletal muscle composition and insulin resistance in premenopausal women: a randomized controlled trial. North American Association for the Study of Obesity. Obesity Research 9: 78S.

Pelot R.P., Rigby A., Stevenson J.M., and Bryant J.T. (2001) Static biomechanical load carriage model. Proceedings of the RTO – NATO Specialist Meeting, 25;1-12.

Reid S.A., Bryant J.T., Stevenson J.M., and Doan J.E. (2001) Biomechanical Assessment of Rucksack Shoulder Strap Attachment Location: Effect of Load Distribution to the Torso. Proceedings of the RTO – NATO Specialist Meeting, 20; 1-8.

Robertson-Wilson J., & Côté J. (2001). Parental involvement in sport: Towards a new methodology. Paper presented at the meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Montréal, Québec.

Robertson J. & Côté J. (2001). The problem of youth sport dropout...Past research and future directions. Paper presented at the meeting of the Eastern Canadian Sport and Exercise Psychology Symposium, London, Ontario, Canada.

Soberlak P. & Côté J. (2001). An in-depth analysis of the development of professional ice hockey players. Paper presented at the meeting of the Association for the Advancement of Applied Sport Psychology, Orlando, Florida.

Stevenson J.M. and Bossi L.L. (2001) Technical Evaluation Report. Proceedings of the RTO – NATO Specialist Meeting, T; 1-10.

Stevenson J.M. (2001) Workshop in Innovative Designs for Load Carriage. Proceedings of the RTO – NATO Specialist Meeting, T; 11-14.

Wright A., & Côté J. (2001). A retrospective analysis of leadership development through sport. Paper presented at the meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Montréal, Québec.

Wright A. & Côté J. (2001). Putting theory into practice: Experiences of a mental skills consultant and masters thesis student. Paper presented at the meeting of the Eastern Canadian Sport and Exercise Psychology Symposium, London, Ontario, Canada.

▪ ***Non-Refereed Publications***

Adams M.L. (2001). Youth, sex and Toronto's postwar moral panic over delinquency. In Canada :Confederation to Present, edited by Rod Macleod et al. Edmonton, Chinook Multimedia. (Article on CD-rom)

Côté J. (2001). Optimal learning activities in the development of elite athletes: Coaching implications. International Coaching School: University of Victoria.

Deakin J.M. (2001). The Fishery Officer Physical Abilities test (FOPAT). An opinion on the scientific integrity of FOPAT as a bona fide occupational requirement. Report to Government of Canada, Department of Fisheries and Oceans. September.

Morin E., Reid S.A., Ekland M., Lay H., Yun Lu, Stevenson J.M., Bryant J.T. (2001) A portable Data Acquisition System for Human Performance Assessment in the Field. PWGSC# W7711-99-7598/A 176 pages.

Reid S.A., Saunders G.A.B. Stevenson J.M., Bryant J.T., Good J. (2001) Initial Development of a Novel Strap Force Sensor. PWGSC Contract W7711-0-7632-02/A 36 pages.

Stevenson J.M., Bryant J.T., Anderson R.J., Morin E.L., Pelot R.P., Reid S.A. (2001) Proposed Long Range Plan for Research and Development Program of Dynamic Load Carriage Modelling. PWGSC Contract W7711-0-7632-01/A 42 pages.

Stevenson J.M., Reid S.A., Bryant J.T., Morin E. (2001) Development of a Dynamic Biomechanical Model for Load Carriage: Phase I: Part A: Equipment Upgrades to Accommodate Dynamic Biomechanical Modeling. PWGSC Contract W7711-0-7632/A 200 pages.

PRESENTATIONS (2001)

Faculty Member	Presentation
Mary Louise Adams	<p>Masculinity and the history of figure skating. Graduate Seminar Series, School of Physical and Health Education, Queen's University, October 2001</p> <p>Fitting bodies to the times: Graceful masculinities and the question of how a proper gentleman should deport himself on skates. North American Society for the Sociology of Sport. San Antonio, Texas, October 2001.</p> <p>Sexuality and sport. Queer Studies Course, Free Queen's Program, November 2001.</p> <p>Studying gender through sport. Department of Sociology, Trent University, November 2001.</p> <p>Sport media. Film Studies 231, Queen's University, November 2001.</p> <p>Walking and culture. Ban Righ Centre, Queen's University, October 2001.</p>
Hart Cantelon	<p>Revisiting the introduction of ice hockey in the former Soviet Union. <i>Putting it on ice: Hockey in Historical and Contemporary Perspective</i>. International Conference, Gorsebrook Research Institute. St. Mary's University, Halifax, Nova Scotia, October 3-7, 2001.</p> <p>Women's Rugby in Canada: the players speak out. <i>NASSS 2001: Marginality, Power and Sport</i>. San Antonio, Texas, October 31-November 3, 2001.</p>
Pat Costigan	<p>Queen's HMRC Seminar Series (20001) An Open Source Motion Analysis System: Ideas and Directions, October 10, 2001</p>
Jean Côté	<p>Graduate education, training, and supervision in sport psychology. Paper presented at the International Sport Psychology Focus Group, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil, December 2001.</p> <p>New paradigms for future research in sport psychology. Paper presented at the International Sport Psychology Focus Group, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil, December 2001.</p> <p>Practice patterns across the careers of exceptional athletes. Paper presented at the VII Brazilian Congress of Sport Psychology, Belo Horizonte, MG, Brazil, December 2001.</p> <p>Sport Psychology at Queen's University. Paper presented at the Bay Area Sport Psychology Network, St. Mary's College, Erinda, CA., October 2001.</p> <p>Optimal learning activities in the development of elite athletes : Coaching implications. Paper presented at the Practical Coaching Summit, International Coaching School, Victoria, B.C., August 2001.</p> <p>The role of coaches, parents, and athletes in the acquisition of expertise in sport. Paper presented at the Physical Education Seminar Series, McGill University, Montréal, Québec, March 2001.</p>

Faculty Member	Presentation
Jean Côté (con't)	Psycho-social influences in the acquisition of expertise in sport. Paper presented at the Education Seminar Series, Queen's University, Kingston, Ontario, February 2001.
Janice Deakin	<p>What they do versus what they say they do: An assessment of practice in figure skating. Invited symposium at 10th World Congress of Sport Psychology. Skiathos, Greece, June 2001.</p> <p>The role of the expert coach in facilitating the practice environment. The 10th Annual International Coaching School and Summit on Practical Coaching - Research and Practical Applications Victoria BC, August 18th - 26th.</p> <p>Occupational requirements for physically demanding occupations: The effect on women. Canadian Society for Exercise Physiology, Montreal Quebec, November, 2001.</p>
Bob Ross	<p>'Physical Activity and Cardiovascular Disease'. Heart and Stroke Foundation of Ontario, Kingston, January 30, 2001</p> <p>'Role of Physical Activity in Obesity Reduction'. Human Nutraceutical Research Unit, University of Guelph, May 2, 2001.</p> <p>'Independent Role of Physical Activity in the Prevention and Treatment of Obesity'. Puijo Symposium, "Physical Activity in the Prevention and Treatment of Obesity and Its Metabolic Co-Morbidities." Kuopio, Finland, June 22, 2001.</p> <p>Canadian Society for Exercise Physiology, Annual General Meeting, Montreal, October 31, 2001.</p> <p>'Regulation of Body fat Distribution: Physiological Determinants' FASEB Summer Research Conference, Advances in Obesity - From the Environment to the Gene. Snowmass, Colorado, August 25, 2001.</p> <p>'Magnetic Resonance Imaging in Body Composition Research: Quantitative to Qualitative Tissue Measurement'. Wright State University, Dayton, Ohio, September 21, 2001.</p> <p>'Reduction of Obesity and Related Co-morbid Conditions: Effective Strategies and Gender Differences'. Faculty of Education, McGill University, December 5, 2001.</p> <p>'Exercise With or Without Weight Loss: Effective Strategies for the Prevention and Treatment of Total and Abdominal Obesity'. Canadian Kinesiology Association, Annual General Meeting, Toronto, September 29, 2001.</p> <p>'Exercise as a Treatment Strategy for Obesity Reduction'. Cooper Institute, Dallas, Texas, Wednesday, March 21, 2001.</p> <p>'Physical Activity: An Effective Strategy for the Prevention and Management of Obesity and Related Insulin Resistance' Diabetes Education Learning Center, Kingston, April 7, 2001.</p> <p>'Application of Simple Anthropometry in the Assessment of Health Risk: Implications for the Canadian Physical Activity, Fitness and Lifestyle' Ontario Association of Sport and Exercise Sciences, Toronto, October 26, 2001.</p>

Faculty Member	Presentation
Geoff Smith	<p>Babe Didrikson Zaharias and Cold War Gender Politics, March 9, 2001</p> <p>Chair-Commentator, panel on cold war and peace movements for Society for Historians of American Foreign Relations, Washington D.C., June 14, 2001</p> <p>Keynote Lecture, "A Humbling Look at Earth, Wind, Fire - and of Course Rain - and Our Hydro Future," Queen's Tenth Annual Commerce and Engineering Environmental Conference, March 10, 2001</p> <p>Participant, Plenary Session, "War and Diplomacy in the 20th Century," Pacific Coast Branch, American Historical Association, August 10, 2001</p> <p>Chair-Commentator on panel on "Contested Spaces: Re-mapping Gender, Membership, and Community in Postwar America," Pacific Coast Branch, American Historical Association, August 10, 2001</p> <p>Lecture/discussion, "The Cuban Missile Crisis," for Queen's Model UN, Kingston, November 23, 2001</p>
Joan Stevenson	<p>Stevenson, JM. Overview of the Ergonomic Design Approach to Load Carriage at Queen's University. Keynote speaker in Faculty of Kinesiology, University of New Brunswick, February, 2001.</p> <p>Stevenson, J.M. Recent Findings about Prevention of Low Back Pain at the Ontario Association of Canadian Ergonomist. Queen's University, Kingston, March 31, 2001</p> <p>Stevenson, J.M. <i>Bona Fide</i> Occupational Selection Standards. at the Ontario Association of Canadian Ergonomist. Queen's University, Kingston, March 31, 2001</p> <p>Stevenson, J.M. Improving with Age: Scientific Basis for the Development of Low Back Pain, At the Laurentian University Northern Ontario Ergonomics Conference, February, 2001.</p> <p>Stevenson, JM. Mild low back pain: An analysis of predisposing factors. World Congress of Low Back Pain and Pelvic Pain, Montreal, November, 2001.</p>
Michael Tschakovsky	<p>Role of the Cardiovascular Systems in the Adaptation to Exercise, April 6, 2001</p>
Larry Wolfe	<p>Physiology of Exercise in Pregnancy: Recent Progress and Future Directions, February 9, 2001</p> <p>Breathing to Regulate Protein Function: Lessons Learned from Human Pregnancy. School of Physical and Health Education Fall Seminar Series, November 23, 2001.</p> <p>Effects of pregnancy on maternal work tolerance. In: (H.Perrault and L.Beliveau, Chairs). Symposium on Women's Health, Physical Activity and Work. Annual Meeting of the Canadian Society for Exercise Physiology. Montreal, November 3, 2001.</p>

Adjunct Faculty Member	Presentation
Kim Shaw	Instructor Training Presentation to Red Cross Instructors on Exercise Techniques for Seniors, February 9, 2001.
Brenda Willis	NCCP Volleyball Technical Clinics, Levels I & II, Spring 2001 NCCP Theory Clinics, Levels I, II, & III, Spring 2001

Visiting Scholars

Macintosh Lecture Series. Dr. James Riordan, March 7, 2001, "International Sport after the Demise of the Soviet Union: The Loss of a Symbolic Political Adversary".

STAFF & FACULTY

Faculty	<p>Mary Louise Adams (Sabbatical 2000-01) John Albinson (Retired June 30, 2001) Rob Beamish (Associate Dean of Studies till June 30, 2001); Administrative Leave (2001-02) Hart Cantelon Pat Costigan Jean Côté (Sabbatical 2001-02) Janice Deakin (Director) Bob Ross Geoff Smith Joan Stevenson Michael Tschakovsky Larry Wolfe (Graduate Coordinator)</p>	
Continuing Adjuncts	<p>Melody Torcolacci Brenda Willis</p>	
Adjunct Instructors	<p>Irene Armstrong Joe Baker Cathy Ferri Kathy Jackson (Undergraduate Coordinator) John McFarlane (Chair of Athletics & Recreation) Wendy Reynolds Al Robertson Dave Ross Kim Shaw Andy Wright Steve Yovetich Carolyn Zwaal</p>	
Activity Instructors	<p>Audrey Doyle Don Duffey Bob Howes Scott Lynn Alison Mackay Dan McIver Scott Meesom Alissa Overend</p>	<p>Harold Parsons Josef Riha Jacques Tremblay Brenda Willis Dave Wilson Andy Wright Chris Zarembo</p>
Research Assistants	<p>Sue Reid (Biomechanics/Ergonomics) – J Stevenson Alana Hermiston, Ottawa/Peterborough (archival research) – ML Adams Susan Parissi, gait lab in Human Mobility Research Centre – P Costigan Christina Reisinger, Vienna, (research and translation) – ML Adams Susan Shea, Toronto (research) – ML Adams</p>	
Administrative Staff	<p>Denise Cameron (Administrative Assistant) Ken Hall (Technical support) Valerie Johnson (Undergraduate Secretary/Receptionist) Leisa McDonald (Administrative Assistant) Bill Pearce (Technical Support)</p>	

SERVICE

Name	University	Community
Adams, Mary Louise	<ul style="list-style-type: none"> ▪ Graduate Studies Division V Representative (2001-02) ▪ Graduate Examining & Supervisory Committees (7) ▪ QNS Adjudicating Committee ▪ Promotions & Tenure Committee (Film Studies) ▪ Council Rep, QUFA ▪ Feminist Causus, QUFA ▪ Ban Righ Centre (Board Member & Awards Committee Member) 	<ul style="list-style-type: none"> ▪ Frontenac Public School Volunteer Program, Organizer
John Albinson	<ul style="list-style-type: none"> ▪ Golden Gaels Athletic Committee (2000-01) 	
Cantelon, Hart	<ul style="list-style-type: none"> ▪ University Faculty Association Council ▪ Graduate Examining & Supervisory Committees (8) ▪ OGS Selection Panel ▪ Member at Large (QUFA) ▪ Political Action & Communication Committee (QUFA) ▪ Working Group on Examinations (QUFA rep) ▪ University Council on Athletics (QUFA Rep) 	
Costigan, Pat	<ul style="list-style-type: none"> ▪ Graduate Examining & Supervisory Committees (3) ▪ Arts & Science Board of Studies (Curriculum Subcommittee) ▪ Graduate Studies Division I Representative (2000-01) ▪ Mechanical Engineering Internal Academic Review ▪ QUEST Review 	
Côté, Jean	<ul style="list-style-type: none"> ▪ Graduate Examining & Supervisory Committees (4) 	
Deakin, Janice	<ul style="list-style-type: none"> ▪ Graduate Examining & Supervisory Committees (10) ▪ Committee of Departments ▪ Faculty Board ▪ Chair of Division I of Graduate School ▪ Graduate Steering Committee ▪ Graduate Council ▪ Division I Council ▪ Steering Committee for Student Life Centre ▪ University Council on Athletics (Executive Director) ▪ Fellowship Committee ▪ Selection Standards Division of Ergonomics Research Group (Chair) ▪ QNS Adjudication Committee ▪ Steering Committee for School of Human Health ▪ Internal Academic Review for Pharmacology 	<ul style="list-style-type: none"> ▪ Member of CCUPEKA ▪ External Examiner for Accreditation (Brock University)

Name	University	Community
Jackson, Kathy	<ul style="list-style-type: none"> ▪ Faculty Board ▪ Intramural Executive Council (2001-02) ▪ Senate Orientation Activity Review Board (Chair) (2000-01) ▪ University Council on Athletics 	<ul style="list-style-type: none"> ▪ Active Schools Committee ▪ Historic Hockey Organizing Committee ▪ Kingston Icefest Committee ▪ Kingston Kestrels Advisory Board ▪ Loyalist College Recreation Leadership Advisory Board
McFarlane, John	<ul style="list-style-type: none"> ▪ Steering Committee for Student Life Centre ▪ University Grounds Committee ▪ University Council on Athletics 	<ul style="list-style-type: none"> ▪ OUA Management Committee ▪ OUA Planning Committee (Chair) ▪ CIS Equity and Equality Committee ▪ Sport Kingston Inc
Ross, Dave	<ul style="list-style-type: none"> ▪ Health & Safety Committee 	
Ross, Bob	<ul style="list-style-type: none"> ▪ Graduate Examining & Supervisory Committees (2) ▪ Internal Academic Review Committee (Physiology) 	
Smith, Geoff	<ul style="list-style-type: none"> ▪ Equity Representative ▪ Graduate Studies Division V Representative (2000-01) ▪ Graduate Examining & Supervisory Committees (5) ▪ A&S Academic Orientation Committee ▪ Political Action Committee (QUFA) ▪ Anti-Deregulation Rally (Coordinator) 	
Shaw, Kim		<ul style="list-style-type: none"> ▪ Hearts at Work Committee ▪ Be Active Working Group of Kingston (Chair) ▪ Kingston Active Living Days Committee
Stevenson, Joan	<ul style="list-style-type: none"> ▪ University Council on Athletics (2001-02) ▪ Board of Trustees ▪ Financial Committee of Board of Trustees ▪ General Research Ethics Review Board 	<ul style="list-style-type: none"> ▪ Organizing Committee of Ontario Chapter of the Canadian Ergonomist Association Conference 2001
Tschakovsky, Michael	<ul style="list-style-type: none"> ▪ Graduate Examining & Supervisory Committees (4) 	
Willis, Brenda	<ul style="list-style-type: none"> ▪ University Council on Athletics (2001-02) 	
Wolfe, Larry	<ul style="list-style-type: none"> ▪ Graduate Studies Division I Representative ▪ Advisory Research Committee (subcommittee I) ▪ Graduate Examining & Supervisory Committees (7) 	

PROFESSIONAL CONTRIBUTIONS

▪ **Editorial Boards**

Hart Cantelon

Book Review Editor, *Sociology of Sport Journal*

Jean Côté

Editor: *Asian Journal in Exercise and Sports Science (AJESS)*, Sport Psychology Section Editor
Editorial Board of *Journal of Applied Sport Psychology* (4 articles)
Editorial Board of *The Sport Psychologist* (3 articles)
Editorial Board of *AVANTE* (3 articles)

Bob Ross

Associate Editor: *Canadian Journal of Applied Physiology*

Geoff Smith

Editorial Board, *International History Review*

Joan Stevenson

Organizing Committee, *International Occupational Ergonomics & Safety Conference*, 2001
Chair, Organizing Committee, Ontario Chapter of the Assoc. of Canadian Ergonomists, 2001
Chair, Organizing Committee, Ontario Kinesiology Conference, Kingston, 2002

Larry Wolfe

Associate Editor, *Canadian Journal of Applied Physiology* (11 manuscripts)
Member, Editorial Board, *Medicine and Science in Sports and Exercise* (2 manuscripts)
Member, Editorial Review Board, American College of Sports Medicine (ACSM) *Health and Fitness Journal* (beginning December 2001).

- **Guest Reviews**

Mary Louise Adams

Manuscript Reviews: Resources for feminist research

Referee for *Peace and Change: A Journal of Peace Research*: "The People's Coalition for Peace and Justice (1971-1973) and the Peace Movement of the Early 1970s," report filed 15 August 2001

Editor: Book on Jean Royce

Hart Cantelon

Book Reviews: *Sociology of Sport Journal*; *International Review for the Sociology of Sport*; *International Journal for the History of Sport*

Manuscript Referee: *Sociology of Sport Journal*; *International Review for the Sociology of Sport*

Jean Côté

Journal of Sport and Exercise Psychology, *International Journal of Sport Psychology*, Review of a chapter to appear in K.A. Ericsson & J. Starkes (Eds). [Recent advances in research on sport expertise](#). Champaign, IL: Human Kinetics

Janice Deakin

Manuscript Review: *Journal of Motor Behavior* (1) Aftab Patla (Ed.); *Journal of Applied Sport Psychology* (2) Robert Weinberg (Ed); *Research Quarterly for Exercise and Sport* (2) – Gil Reeves (Ed.)

Bob Ross

Manuscript Reviewer: *Diabetes Care* (MS#C01-477); *International Journal of Obesity* (2); *American Journal Clinical Nutrition* (2); *Medicine Science Sport and Exercise* (1); *Obesity Research* (1).

Joan Stevenson

Applied Ergonomics, *Ergonomics*, *Canadian Journal of Applied Physiology*

- **Granting Councils - Reviewer**

Jean Côté

Social Sciences and Humanities Research Council of Canada (SSHRC), 2001
Title: A critique of youth sport

Health Services Utilization and Research Commission (HSURC), 2001
Title: The meaning of physical well being in disability identity development

Bob Ross

Boston Obesity Nutrition Research Centre

Title: Effect of sarcopenia on body composition and energy expenditure.

Canadian Institutes of Health Research (three proposals reviewed)

Title: The effects of low carbohydrate, high protein and high fat ...

Title: Cellular mechanisms related to body fat distribution in ...

Title: Effect of nutritional supplementation and resistance exercise on muscle protein metabolism ...

NSERC (one proposal reviewed)

Title: Effect of endurance training on HDL size: a new and important marker of lipoprotein metabolism ...

Joan Stevenson

CRC Review, UBC

CRC Review, Calgary

CRC Review, École Polytechnique de Montréal

NSERC, Application #180970

Nova Scotia Health Research Foundation, Grant # 427N-01

Larry Wolfe

Canadian Institutes of Health Research (two proposals reviewed)

Ontario Thoracic Society Block Term Grant (one proposal reviewed)