

THE SQUARE

KNOTS

F Hockey Groin Syndrome in National Hockey League Players: a McGill Story

By Dr. Rea A. Brown

Fifteen years ago this coming November, I was asked by the Medical Team of the Montreal Canadiens to assess star left winger Claude Lemieux's puzzling left groin injury. The history of the injury happened the previous spring during Stanley Cup finals. He had developed severe left groin pain when checked into the boards. The injury responded to conservative measures, but each time he attempted to return the pain returned. The pain was so disabling he couldn't accelerate or shoot the

puck. He had great difficulty getting out of bed. A devoted golfer, the pain in the left groin prevented him from playing golf.

On examining the patient, I couldn't find anything abnormal in the left groin to account for his disability. He had been investigated by all of the modern imaging tests available. Each one was normal. **Dr. David Mulder** took Claude Lemieux to the Verdun Arena and

blocked the ilio-inguinal nerve with complete relief of the symptoms.

Dr. Douglas Kinnear, Dr. David Mulder, and myself with Claude's consent decided that the time had come to explore surgically the left groin. At this particular time, the Canadiens' coaching staff was

(please see **Groin**, pg. 4)



Inside

Letters to The Editor	2	14 th Annual Fraser Gurd Day	14
Editorial	3	Visiting Professors	19
Secretaries at the RVH	5	Kudos	20
Dr. Norman Leslie Poole	6	Achievements Residents and Fellows	21
Dr. Ray Chiu Visits Miami	8	Division of Surgical Research	22
Dr. Henry Shibata in Japan	8	Of Worms and Men	22
Welcome Aboard	10	Céline Doray Leaves the MUHC	24
New Chief Residents	11	Obituaries	25
1 st Annual Bariatric Surgery Fundraiser	13	Were You There ?	26

DEPARTMENT OF SURGERY

NEWSLETTER

MCGILL UNIVERSITY

SUMMER 2003



Dear Editor,

It was a pleasure to see again *The Square Knot* for Spring 2003, and to know that you're still working hard helping to keep Royal Victoria and other McGill Surgery Alumni together. Seeing some of my old teachers and colleagues portrayed in pictures, from Dr. MacLean on down, I can only say "plus ca change, plus c'est la meme chose".



Letters to The Editor

I was pleased and surprised to see that you picked up on my 14 year long involvement in the Central Park jogger case. However, I do have two corrections of the record to request resulting from that piece in "Kudos!!". One is that although I am a graduate of the Albert Einstein College of Medicine, I've never been on faculty there. Also, while the Katie Couric show identified all participants by their jobs in 1989, for the past four years I've been at SUNY Downstate Medical Center in Brooklyn, as Associate Professor of Surgery. Additionally, I am the Director of Service for Trauma and Surgical Critical Care at Kings County Hospital. This is the busiest Level I Trauma Center in New York State and it has provided many fulfilling and challenging experiences, for which I still draw on what I've learned from all of you at the Royal Vic. In fact, I've never been as gratified with the operative life of a surgeon, as I've been here lately.

By way of update, I am enclosing a copy of a (somewhat fulsome) Daily News column of which I was the subject last August. Additionally, I've enclosed a small gift*, but more than the minimum to help in your work.

I hope this finds you all healthy and prosperous.

Robert S. Kurtz, M.D.
*Associate Professor of Surgery,
Co-Director Trauma & Surgical Critical Care
State University of New York
Health Science Center at Brooklyn*

Editor's Note: TSK thanks Bob very much for his very generous donation.

.....

Dear Editor,

Just a note from the borderline. I have been in North Kuwait since February 4th. I am C.O. of a 278 person combat surgical hospital (mobile). We have 1 vascular (moi), 3 general surgeons, 2 orthopedic, and 18 medical specialists as well as 6 dentists and 40 nurses. We have 3 O.R.'s and 6 O.R. tables so we are able to do a lot of life and limb-saving surgery. You don't want your hernia fixed here due to the sandstorms. We saw 100% of the USMC casualties from the first five days of the war (20-25 March). The injuries were horrific and consisted of AK-47, land mines, mortars RPG as well as vehicular accidents during ambushes or just rolling off steep embankments. We performed well due to our 7 weeks of constant training before the coalition forces breeched into Iraq and it all began.

Things are quiet now finally. The war went far north near Baghdad. We got a Pakistani worker to buy us 2 volleyball nets and some horseshoes, so things are looking up finally. It's a long ways from tossing a frisbee in a park along St. Jacques, but it will do. Please send Montréal bagels. Still think Montréal was the best place my naval career posted me! Regards,

Captain Stephen McCartney,
*U.S. Navy Medical Corps,
Alpha Surgical Company
1st Force Services Support Group*

.....

Dear Editor,

I enjoy *The Square Knot*. It has frequently brought back memories of my introduction to surgery, as a student at the Vic and an intern-resident at the General and the Children's.

The abilities, attitudes and aphorisms of such as **Webster, Gurd, Martin, MacSean, Dobell** and many others inspired me throughout my career. The attached might be of some interest to certain of your readers with long memories.

**Bryce Weir, M.D.,
Edmonton, Alberta**

Editor's Note: More about Bryce Weir follows.

Where Are They Now?

Dr. Weir obtained his medical degree at McGill University in 1960. He interned and did General Surgery at the MGH and MCH. His surgical mentors included **Wilder Penfield** and **Rocke Robertson**. His neurosurgical training was at the Montreal and New York Neurological Institutes.

He practiced Neurosurgery at the University of Alberta for 25 years, becoming Director of the Division of Neurosurgery and subsequently the Walter Stirling Anderson Professor and Chairman of the Department of Surgery and Surgeon-in-Chief at the University of Alberta Hospitals.

Dr. Weir was President of the Canadian Neurosurgical Society, the Canadian Congress of Neurological Sciences, the Canadian Stroke Society, the Alberta Medical Association and the Chicago Neurological Society. He was Chairman of the Interurban Neurosurgical Society of the mid-western United States. Some of his memberships included the American Surgical Association and the James IV Association of Surgeons.

His research was funded continuously by the Medical Research Council of Canada (1968 - 1992) and the National Institutes of Health, USA (1988 - 2001). Six ▶

(please see **Weir**, pg. 9)



G

OOD NEWS FOR HEALTH CARE

Do we dare to be optimistic about health care in our province? Recently, after the election of Premier Jean Charest's Liberals, the announced policy is to put Health first. Over the past ten

Editorial

By E.D. Mohaghan, M.D.

years, the system was downsized, hospitals were closed, operating rooms shut down, medical school enrollments curtailed, and many doctors and nurses were taken out of the system because they took "packages of retirement". A huge bureaucracy developed between medical practitioners and government officials, and meaningful dialogue was impossible. Quebec spends less per capita on health than any other province or territory. In 2002, our government's spending per person amounted to \$3,182.00, nearly \$400.00 below the Canadian average of \$3,572.00. Quebec has been in last place in the past five years even though total expenditures have increased by over 50%.

Recently, Health Minister Philippe Couillard, neurosurgeon from Sherbrooke, committed 250 million dollars to combat congestion in Quebec's emergency wards and to tackle delays which have left 35,000 people waiting for cataract, hip replacement and other elective surgery. Mr. David Levine as Head of the Montreal Centre Regional Health Board which has a budget of 4.3 billion dollars for Montreal alone, affirmed that this has been augmented by 22.7 million dollars to reduce waiting lists in Montreal and the periphery. He and his board have received permission from the Health Minister to make decisions with doctors and hospitals, thereby eliminating bureaucratic delays.

Couillard maintains that 157 million dollars of the 250 million mentioned above will come from cuts in departmental administration. He proposes to spend 10 million dollars for surgical equipment that was not renewed as hospitals bought costly equipment like MRI machines. Another 25 million dollars will be to move 3,500 patients a year out of hospital beds and into centres for seniors and the incapacitated - freeing up space for patients now forced to stay in emergency rooms.

One of the major reasons why emergency rooms are congested with patients is that they cannot be admitted because many of the short-term care beds are filled by people who are waiting for placement in seniors' homes or for long-term care or for rehabilitation or for convalescence. Another 60 million dollars will go to expand the hours hospitals can do surgery, reducing their waiting list by 12,500 patients this year alone.

There are also plans to expand family medicine clinics and a new hard look will be taken at the 19 regional health boards, some of which may be dismantled. Quebec has 11 civil servants per 1,000 population compared with 8 in Ontario. Taking all public services into account, Quebec has 370,000 people on the public payroll.

After the Hadean nightmare of health care in the past years, dare we hope for a brighter future? It looks promising although it might not be the epiphany we all hope for. For example, a new health network has just been established entitled *Reseaux Universitaires Integres de Santé*, which will link McGill, Sherbrooke, Laval and the University of Montreal hospitals and their respective medical schools "to assure a better coherence and convergence between diverse mandates". This grew in response to a recommendation by the Clair Commission which reported two years ago that "academic medicine was not working together". This despite the C.R.E.P.U.Q. organization.

Anyway, this perhaps might be just a *flight of fancy*, but this present government seems to have a firm purpose of amendment to the health care system. ♦



News About the Building of the New MUHC

On July 21st, Health Minister Couillard announced that the MUHC could continue to plan for a new facility subject to ratification by an independent technical commission appointed by the Liberal Government to oversee the planning. The latter should table its report and recommendations by February. The new hospital will comprise of 832 beds (including pediatric) and will cost approximately one billion dollars with 800 M coming from Quebec and 200 M from the Federal Government and private sources.

The plan is for it to open by 2009. The Shriners might also move to the same site at the Glen Yards. Much depends on the feasibility and the livability at Glen Yards.

Couillard recommends that there be a complementary hospital which is likely to be the Montreal General.

► exasperated by the lack of progress in the treatments of this mysterious groin injury.

Prior to surgery, **Dr. Andrew Hill**, our chief surgical resident and I reviewed all the surgical literature available. The only mention of groin injuries was that of professional British soccer players. Surgery had been successful on rare intractable cases. There was no literature on hockey players suffering the problem. A Vancouver orthopaedic surgeon, **Dr. Ross Davidson**, had some experience. He hadn't published anything on his experience and was reluctant to divulge the treatment or the pathology.

Groin

(continued from pg. 1)

We took the player to surgery with a great deal of anxiety on my part, as this elite professional athlete's career rested on finding a piece of pathology that we didn't know what it was and then hopefully repair it. A significant sized audience in attendance, the patient's left groin was opened. Three obvious findings were noted. The external inguinal ring was enlarged to about 4 times its normal size. The tear extended proximally in the external oblique fascia with ilio-inguinal nerve present under tension in the space where the edges of the external oblique fascia had separated. A large lymph node was present in the inguinal canal. The remainder of the inspection was normal. At this point, one of the audience fainted. This brought a little excitement in the operating room. After consultations with all present, we decided to ablate the ilio-inguinal nerve and repair the tear. Post-operatively the patient did well. The pain disappeared and he returned to play professional hockey. He was traded where he won two Conn Smythe trophies as most valuable player in the next six years while being a member of the Stanley Cup winning team on two occasions.

This was the beginning of our experience at the Montreal General Hospital. In 1998, **Dr. Vincent Lacroix**, after presenting at the Canadian Association of General Surgeons, published the first paper on hockey groin syndrome in the world literature. It was a review of our first eleven players successfully operated on. Dr. Lacroix did a lot of research into the possible mechanism of the injury, and along with **Dr. David Montgomery** in the McGill Sports Science Centre, studies were done on the bio-mechanics of the "slap-shot". Dr. Lacroix carried this interest into his residency in Sports Medicine and career as physician to the Montreal Alouettes and until this year the Montreal Canadiens.

At the Central Surgical meeting in March of 2001, **Dr. Kashif Irshad**, our resident, made an excellent presentation of our series of 22 operations for the hockey groin syndrome in elite N.H.L. players.

Dr. Liane Feldman worked tirelessly getting the paper ready for presentation and publication which was entitled *Operative Management of Hockey Groin Syndrome: 12 years of experience in National Hockey League Players*, and published in *Surgery* vol. 130, No. 4, pages 759-764.

At this time, the series is at 40 with very good results. Two players have had recurrences, but only one needed surgery. At the present time, all of the players returned to playing professional hockey in the N.H.L. Two returned to The American Hockey League, but not due to groin syndrome. The operation has evolved to an ablation of the entrapped ilio-inguinal nerve along with a patch repair of the external oblique separation.

I personally owe a great deal to the staff of the Montreal General Hospital who have cared for elite athletes at McGill University, Montreal Alouettes and Montreal Canadiens. As a student athlete playing football at McGill, the late **Dr. Everett Crutchlow** always had time to explain each injury and its treatment. The care we received was the best. **Dr. Edward "Tea" Percy** followed becoming one of the best sports injury medicine orthopaedic surgeons. In partnership with **Dr. F.A.H. Greenwood**, their talent and interest was transmitted to The Montreal Alouettes and The Montreal Canadiens.

The Dean of Sports Medicine, as it applies to hockey, **Dr. Douglas Kinnear**, for 35 years was the physician to the most successful hockey team of all history The Montreal Canadiens. He was the first physician to clearly describe the difference of the new hockey groin syndrome related to the anatomical groin and the old groin injury as it related to the adductor longus muscle and tendon. **Dr. David Mulder**, present physician to The Montreal Canadiens, has been an unlimited source of support since our first case to now. He has always been available to assist me at any time I needed him.

The syndrome of hockey players groin has allowed us to present for the first time the pathology and successful treatment of the largest series in the world, hence a unique surgical McGill story. ♦

.....
Wrath killeth

the foolish man

and envy slayeth

the silly one."

—*Job: Chapter 5*
.....

Secretaries "25th" at the RVH

CONGRATULATIONS to **Ita Smyth** and **Lillian Lanza** who celebrated their long association with the RVH Department of Surgery at the secretaries'

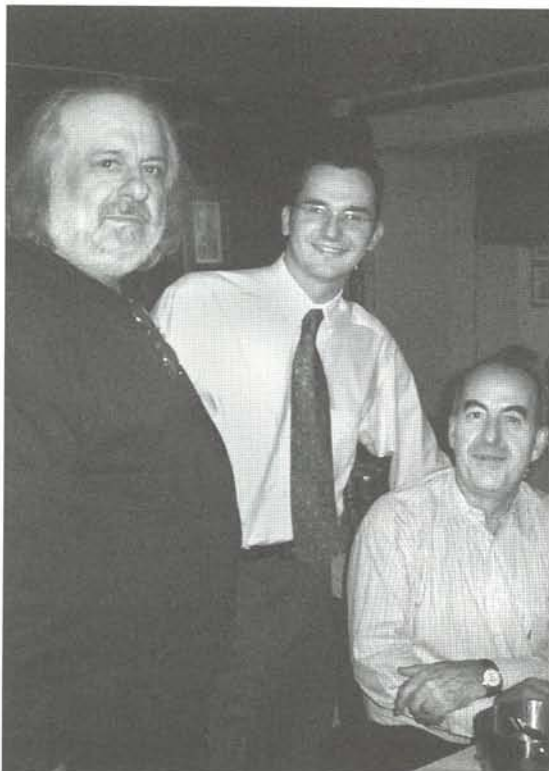
annual get-together on May 2 at Gibbys Restaurant. Lillian joined the Department in 1978 (making this year her 25th with the department) following shorter-term positions elsewhere in the hospital. For several years, she was secretary

to Drs. Ed Monaghan and Catherine Milne and currently is secretary to Dr. Milne. Ita worked for the Department of Surgery from 1972-77 as secretary to Dr. Hival. She left briefly, then returned in 1980 as secretary to Drs. Shizgal and Shibata, then Drs. Loutfi and Dr. Shibata. Currently she works with Dr. Shibata in his capacity of Head of Oncology Services. ♦

Madelaine Beaulne

Celebrating 100 LIGBS's

On May 9th, 2003, **Dr. Nick Christou** invited the Main O.R. Nurses of the Royal Victoria Hospital Site, MUHC for a dinner celebrating 100 laparoscopic isolated gastric bypass surgeries!



D

r. Norman Poole was chief resident when I did my rotation in General Surgery in the autumn of 1959. He was tough, passionate about surgery, demanded the highest

Dr. Norman Leslie Poole: – a tribute by E. John Hinchey

were pivotal years for surgery at the Montreal General Hospital and Norman Poole was the ideal chief resident for the dawning of a new era.

JOHN HOPKINS' DAYS

Dr. Fraser Gurd had arranged for Norm Poole to do a year at the John Hopkins' Hospital. These were the golden days of vascular surgery. Dr. Alfred Blalock was chief surgeon and Drs. Mark Ravitch and Henry Bahnson, surgical staff. Frank Spencer and David Sabiston were residents. Vascular surgery using prosthetic grafts instead of freeze-dried homografts to replace aneurysms of the aorta were among the many exciting advancements in surgery. Norman was offered the Chief Residency at John Hopkins' Hospital, but decided to return to the Montreal General to honour his commitment with Dr. Gurd.

MONTREAL GENERAL HOSPITAL

Norman returned to the MGH and scoured the medical clinics for patients with aneurysms of the aorta. He did 7 aneurysms that year without a death and for the first time Medical Grand Rounds were devoted to a presentation of this outstanding achievement by the Department of Surgery. Rocke Robertson arrived as Surgeon-in-Chief that summer. Dr. Gurd was the "L" Surgery Service Chief and Dr. Poole was Chief Resident. These role models resulted in many of us selecting surgery as our career choice. Dr. Robertson soon after became Principal of McGill University and Dr. Gurd succeeded him as Surgeon-In-Chief. Dr. Poole had a spectacular year as chief resident in surgery, successfully taking on many complex problems.

BAIE COMEAU DAYS

Norman had a passion for hunting, fishing Atlantic salmon and later on flying his own float plane. He moved to Baie Comeau where he could do these things and also develop a quality of personal contact and care with his patients not easily available elsewhere. From 1960 to 1967, he was the only surgeon operating out of two hospitals in Baie Comeau and

Hauterive. Norm took the Quebec north shore by storm. He was held in almost God-like esteem by the population who generally felt he could perform miracles and indeed he did. Fraser Gurd and I spent many summers as Norm's guests fishing salmon at his club on the Godbout River. He was an avid hunter especially of moose. It was said that if you were hunting with Norman and came upon a moose dropping the conclusion would be that a moose had gone by – Norm would bend down and feel the dropping to see how warm it was so he would know when the moose went by. Norman went with a group of us in the early 1960's to the American College of Surgeons in Atlantic City. We had a combined cocktail party with residents from the University of Toronto. I introduced Norman as a community surgeon from the backwoods of Quebec. Within half an hour he had the undivided attention of all the residents while describing interesting cases he had managed.

The first was a child with hypertrophic pyloric stenosis with a late presentation and advanced malnutrition. Central venous feeding had yet to be described. Norman tested the family and found the father to have the same blood type as the child. He had the father come to the hospital and fed him a meal of bacon and eggs and had him drink a pint of cream. He then removed a unit of blood, spun off the plasma which was rich with chylomicrons and used this to provide intravenous nutrition for the child for a week. The second patient he described was an unfortunate passenger in the front seat of a car following a logging truck on the north-shore road. The logs shifted and one went through the windshield and through the patient's left chest and through the seat. The provincial police used a chainsaw to get the patient out of the car and he arrived in the hospital with the log protruding from his chest. Norman had to remove the left lower lobe of his lung, repair his diaphragm, take out his spleen and repair a laceration of his stomach. His biggest problem he said, however, was removing the bark from the chest which seemed to stick to everything. He described how, when he poured saline into the chest and agitated it, the bark floated to the top allowing him to remove it. He felt that having a minnow strainer among the instruments would be a good thing to skim the bark off the surface of the saline solution if he had a similar case in the future. Space does not permit description of the many more amazing surgical problems solved by this most innovative original thinking superb surgeon. If a solution to a given difficult surgical problem didn't exist, he invented it!

Norm was devoted to his wife, Anne and his five children. His youngest son, Alexander, is a surgeon living in Calgary. In 1985, Norman had a massive myocardial infarction ►

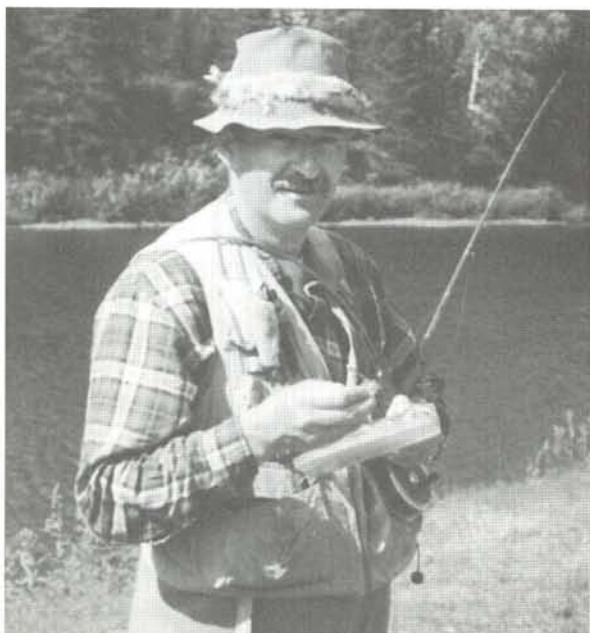
► and a long period of disability until his death on July 12, 2002. It was reported in his obituary that he had performed over 10,000 operations in Baie Comeau.



Norm Poole and John Hinchey with 2 salmon at the 19 mile camp on the Godbout River

One of Norman's first patients in Baie Comeau was Ben Mulroney who underwent subtotal gastrectomy for a neoplasm of his stomach. Mr. Mulroney's son Brian was a young student at St. Francis Xavier University and was the family spokesman who interacted with his father's surgeon. Brian Mulroney, of course, went on to become the most famous son of Baie Comeau. On a recent visit there in the company of **Dr. Mulder**, many of the townspeople when they learned that Dr. Mulder was from the Montreal General asked if he had known Dr. Poole. He, of course, replied in the affirmative. During the visit, they met a young student whose great desire was to be able to go to Montreal for a university education.

There was a great deal of interest by many of Norman Poole's friends and patients to do something to recognize Norman's lifelong dedication to providing surgical care to the citizens of Baie Comeau. It is proposed to establish a fund in Norman Poole's name which would support a student from Baie Comeau who wished to obtain a university education and return to Baie Comeau (The Norman Poole mode). **Dr. David Mulder** will work with **The Right Honorable Brian Mulroney** to establish a local committee for fundraising and defining the selection process for such a scholarship. Friends of Norman Poole's from his M.G.H. days may contribute through The Norman Poole Fund, c/o The M.G.H. Foundation, 1650 Cedar Avenue, Room E6.129, Montreal, Quebec, H3G 1A4 (Attention: Mr. Ron Collett). ♦



Dr. Norman Poole fishing salmon on the Godbout River – August 1976



Fraser Gurd and John Hinchey with 5 Atlantic salmon at the 14 mile camp on the Godbout River

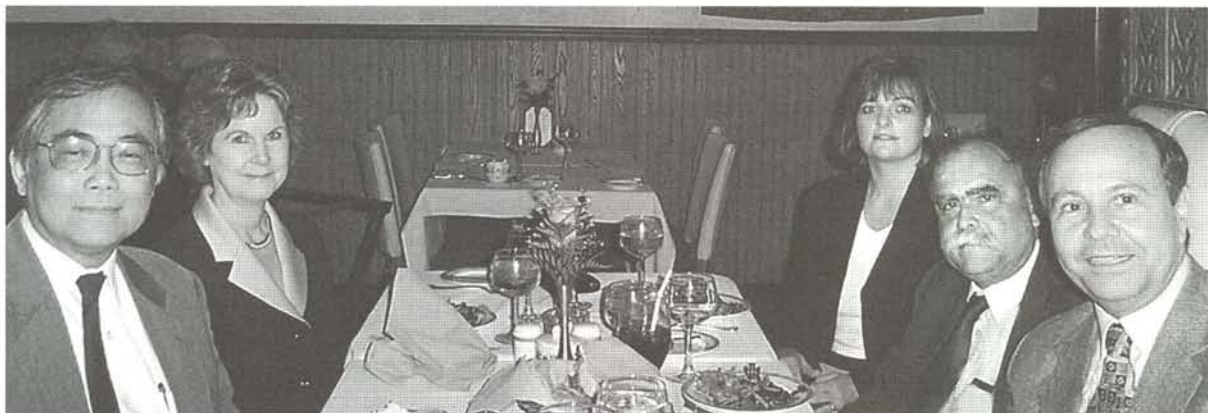
Dr. Ray Chiu Visits Miami as Professor

From Lt. to Rt.,
Dr. Ray Chiu re-
laxing after be-
ing invited

Lecturer at the University of Miami. Mrs. Livingstone, an alum-
nus of McGill, along with **Dr. Tomas Salerno**, Head of the Di-

vision of Cardiothoracic Surgery, his wife, and **Dr. Alan Livingstone**, Chairman of the Department of Surgery. Both are McGill graduates (classmates and residents) who are now at the Jackson Memorial Hospital. ♦

EDM



Dr. Henry Shibata in Japan

By Henry R. Shibata, M.D.

THIS SPRING at the invitation of the Department of Surgery, Hiroshima University School of Medicine, Henry R. Shibata travelled to Japan and gave two lectures there. The first lecture was on March 29th at the Kumamoto School of Medicine on two topics: 1) *Specialty Training in Surgery in North America*, and 2) *Randomized Clinical Trials – Our Experience with the National Surgical Adjuvant Breast and Bowel Project (NSABP)*. The second lecture was delivered at the Hiroshima University School of Medicine on April 4th on the topic of *Randomized Clinical Trials*. It was with great pride that Henry Shibata informed the Japanese surgeons about the valuable experience garnered from our association with the NSABP. The lecture discussed our accrual of over 1200 patients during the past 30 years into the scientifically organized prospective randomized trials, which have become the basis of what we now call evidence-based medicine. Our participation in the landmark B-06 trial, which established that partial mastectomy (or lumpectomy) followed by radiation is equal to modified radical mastectomy, has saved thousands of women from undergoing a mutilating operation. Furthermore, the NSABP was the first to show that adjuvant chemotherapy prolonged disease-free survival and overall survival in patients with surgically curable breast and bowel cancer. The use of Tamoxifen as adjuvant therapy was first introduced by the NSABP, and its efficacy in improving overall survival in those patients with hormone-receptor positive tumours has been a tremendous asset. This led to the observation that patients who were

treated with Tamoxifen had a decreased incidence of contra-lateral breast cancer. This then served as a basis for chemoprevention trials, comparing Tamoxifen with a placebo, which clearly indicated that Tamoxifen prevented breast cancer in many patients. At present the second chemoprevention trial, STAR, comparing Tamoxifen with Raloxifene is accruing patients in over 800 institutions worldwide. Following these lectures, there was a great interest on the part of the Japanese surgeons about possible collaboration with us for such trials here in North America.

During his visit to Hiroshima University, Dr. Shibata met with many of the medical students who had gained experience as clinical clerks at the Royal Victoria Hospital. These students were part of the exchange program established by a contract in March of 1999 between McGill University Faculty of Medicine and the Hiroshima University School of Medicine to exchange students and researchers. To date, two Japanese-speaking McGill medical students have travelled to Hiroshima to enjoy their studies there. A third McGill student is preparing for his visit there this summer.

As a cap to all these activities in promoting scientific and social exchange between Japan and Canada, about 60 former Montreal residents from the diplomatic, business and medical worlds gathered in Tokyo on April 15, 2003 to host a party honouring Henry Shibata for being awarded a medal from the Japanese Government in November, 2002. ♦

Weir

(continued from pg. 2)

students obtained Masters of Science Degrees and 8 received Doctorates in Experimental Surgery for work in his cerebrovascular laboratory. Publications number over 275, including 5 textbooks: "Cerebral Vasospasm," which he co-authored; "Aneurysms Affecting the Nervous System" and "Subarachnoid Hemorrhage: Causes and Cures," of which he was sole author; and "Primer on Cerebrovascular Disease" and "Stroke," which he co-edited. Research contributions have been in the areas of vascular diseases of the brain, management of ruptured aneurysms, cerebral vasospasm, lumbar disc disease, brain tumors, and subdural hematomas. His papers have been cited over 6,500 times in the scientific literature. He performed over 5,000 operations during his 34 years of active neurosurgical practice.

Editorial responsibilities included membership on the boards of the "Journal of Neurosurgery," the "Neurosurgery Quarterly," the "Journal of Cerebrovascular Dis-

ease," "Neurosurgery," and the "Journal of the American College of Surgeons." He has been an invited speaker at 140 meetings on 4 continents and visiting professor at 71 universities, including Yale, Cornell, Columbia, Duke, Toronto, and University of California at San Francisco. He was invited to give 18 named lectureships including the "White" at Harvard, the "Gainey" at the Mayo Clinic, the "Rasmussen" at the Montreal Neurological Institute, and the "Phemister" at The University of Chicago.

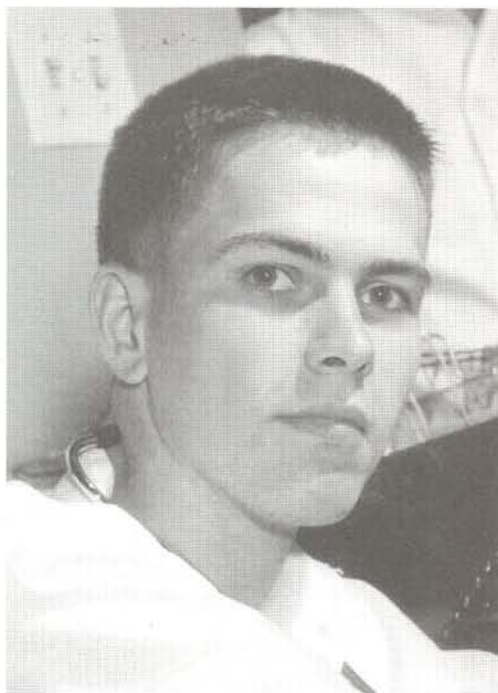
He was awarded the Wood Gold Medal from McGill University, the Hans Berger Prize of the American Electroencephalographic Society, the Grass Gold Medal and Award of The Society of Neurological Surgeons, Honorary Fellowship in the Royal College of Surgeons of Edinburgh, Honorary Membership in the Japan Neurosurgical Society, and the Queen Elizabeth II Golden Jubilee Medal.

In 1992, he was appointed the Maurice Goldblatt Professor in Surgery and Neurology and Chief of Neurosurgery at The

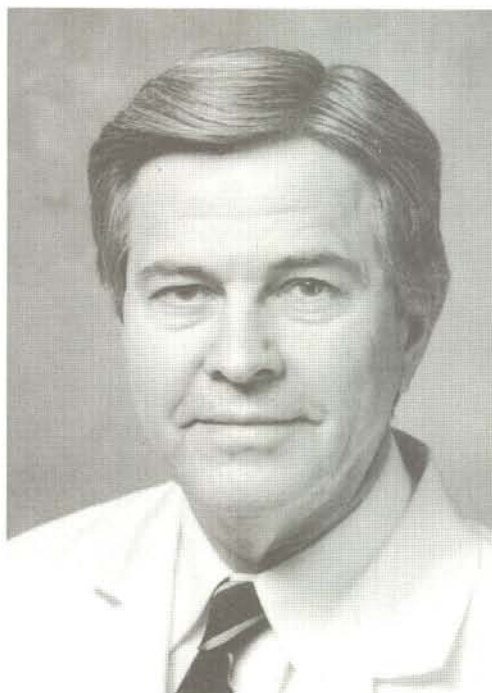
University of Chicago. His appointment as Director of the Brain Research Institute of The University of Chicago was in 1993. In January 2001, he became Interim Dean of the Biological Sciences Division and the Pritzker School of Medicine and Vice-President for Medical Affairs of The University of Chicago, serving until June 2002. A 2 million dollar research fund was established in his name on his departure.

He was appointed an Officer of the Order of Canada in 1995. He was elected to the Institute of Medicine of the National Academic of Sciences of the United States in 1997.

Two of his children graduated from McGill and a granddaughter has just been accepted. As a boy, he took lessons at the Montreal Museum of Fine Art from Arthur Lismer of the "Group of 7". At his home in Edmonton, he is now engaged in landscape painting. ♦



Dr. Bryce Weir, **THEN (1960)**



Dr. Bryce Weir, **NOW**

Welcome Aboard



Dr. Andrew Steinberg joined the Division of Urology at McGill in July 2003. He is based at the Montreal General site of the MUHC. Dr. Steinberg completed his residency training in 2001 and subsequently did a two-year clinical and research fel-

lowship in minimally invasive urologic surgery at The Cleveland Clinic Foundation with Dr. Inderbir Gill. His extended training will provide state-of-the-art clinical care for our patients and his interest in pursuing research in the field of minimally invasive surgery will significantly advance the mission of the MUHC.

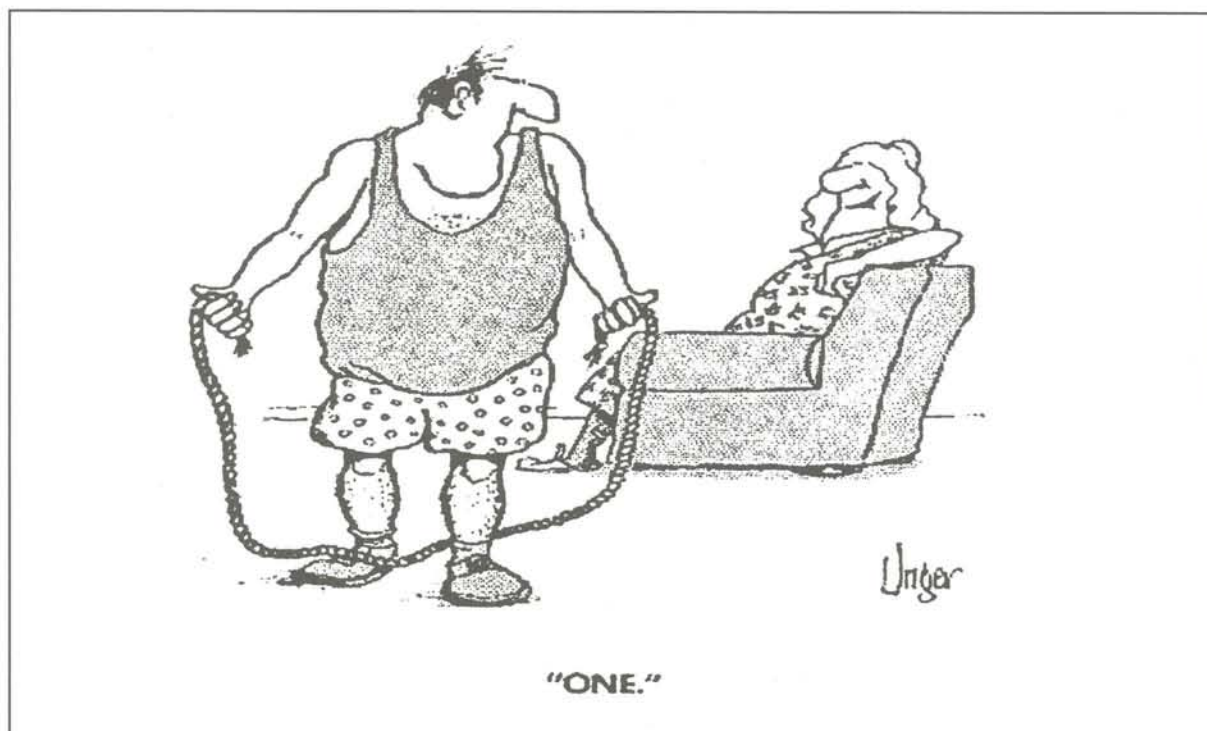
Dr. Patrick Charlebois joined the Division of General Surgery at McGill and the MUHC (MGH site) as of August 1, 2003. Subsequent to completing his residency training at McGill, Dr. Charlebois did a one-year fellowship in colorectal surgery at Cook County Hospital in Chicago. Dr. Charlebois' recruitment is an important step towards rebuilding colorectal surgery at the MUHC.

Dr. Nancy Morin joined the Division of Colorectal Surgery at McGill and the Jewish General Hospital as of July 1, 2003. Subsequent to completing her residency training at McGill, Dr. Morin did a one-year fellowship in colorectal surgery at the

The Cleveland Clinic Foundation under Dr. Victor Fazio. During her residency she did 2.5 years in the surgeon-scientist program and is currently working on her M.Sc. Dr. Morin has a clear interest in academic colorectal surgery and intends to dedicate 50% of her time to research on inflammatory bowel disease.

It is our great pleasure to welcome our graduating surgical fellow, **Dr. Pramod Puligandla** as our new partner in Pediatric General Surgery. He will be an active member as of July 1st, 2003 and will have dual appointment at the Montreal Children's Hospital and McGill. A graduate of the General Surgery Residency Program at the University of Western Ontario, Dr. Puligandla came to the Montreal Children's Hospital for a two-year fellowship specialty program in Pediatric General Surgery (July 2001-June 2003). In addition, he has two years of training in the Pediatric Critical Care Program (one year at the University of Western Ontario and the second year at McGill University). Dr. Puligandla will devote a majority of his time to Pediatric Surgery as well as dedicating time to Pediatric Critical Care, working as a PICU attending within the Department of Pediatrics. Over all, he will devote 50% of his time to research and 50% to clinical activities. We are privileged to have him join our team. ♦

Madeleine Beaulne



"ONE."

RECENT HEADLINE: Exercise is good for you.

CARDIAC SURGERY**Program Director: DR. D. MULDER****Dr. Abdulaziz Al-Khaldi** is a graduate of King Saud University in Riyadh, Saudi Arabia, having received his MD in 1996 with

First Class Honors. Aziz did a one year internship at King Khalid University Hospital, followed by a one year-prescholar program in the Department of Cardiac

Science. He entered the Cardiac Surgery Program at McGill in 1998. During his research year, he worked in the stem cell area and utilized a cellular and gene therapy program for the treatment of arteriovascular insufficiency as well as working in the area of cellular cardiomyoplasty using stem cells, for which he received a Master of Science Degree. Aziz is married and has two children. Following

his training, he plans to do a 2-year Fellowship at Stanford University, the first year in Cardiothoracic Transplantation and Assist Devices, and then Congenital Cardiac Surgery in the second year.

Dr. Bindu Bittira received her Doctor of Medicine in 1998 from the Dalhousie University, during which time she won many scholarships and academic awards. She received her B.Sc. in 1994 with First Class Honors in Biology from the University of New Brunswick. In 1998, she joined the Cardiac Surgery Program at McGill. Bindu successfully completed a M.Sc. Degree in Surgical Research in the area of cell implantation for myocardial regeneration. Following completion of her residency training, she plans to do a Fellowship in valves.**Dr. Paul Bui** is a graduate of the University of British Columbia receiving his M.D. Degree in 1997. He joined the General Surgery Residency Program at McGill in 1997, after which he transferred into the Cardiac Program in February of 2001. He plans further clinical fellowships on completion of training.**Dr. Calvin Wan** graduated from the McMaster University having received his M.D. Degree in 1998. He joined the General Surgery Residency Program in 1998 and transferred to the Cardiac Program in July 2000. He is currently doing his research year with Drs. Shum-Tim and Ray Chiu. On another note, Calvis is a bass-baritone in the St. Lawrence Choir and the OSM as well as a conductor at his church.

Welcome to the New Chief Residents

**GENERAL SURGERY****Program Director: DR. S. METERISSIAN****Khalifa Al-Wahaibi** is a graduate of Sultan Qaboos University (Oman), having received his MD in 1995. He enrolled in the Basic Surgical Residency Program at the Sultan Qaboos University in 1996. He joined the General Surgery Program in July 1999, Dr. Al-Wahaibi is our first resident from Oman. He did his research in Vascular Surgery. Khalifa is married to Amina Al-Jardani (Fellow in Infectious Disease and Clinical Microbiology) and has two sons Abdulrahman (7 years old) and Mohamed (5 years old).**Prosanto Chaudhury** is a graduate of McGill. He received his MD in 1998. Prosanto was awarded the McConnell Entrance Scholarship upon acceptance to McGill that was renewed each year based on his academic standing. He joined the General Surgery Program in July 1998. He completed 1.5 years of research with Dr. N. Christou. Prosanto is interested in Critical Care / Trauma.**Shannon Fraser** is a graduate of University of Toronto. She received her MD in 1995. She received her B. Sc. in 1993 with Honors in Zoology from the University of Western Ontario and in 1995 she obtained a Master of Science with Honors in Zoology – Reproductive Ecology. Shannon joined the General Surgery Program in July 1999. She will be pursuing a Fellowship in advanced laparoscopy. Congratulations to Shannon and Carlo Galli who will be married in June 2003.**Vikram Iyer** is a graduate of University of Western Ontario having received his MD in 1998. He received his B. Sc. in 1994 with Honors in Biology from University of Ottawa. Vikram is also a qualified infantryman of the Canadian Armed Forces after training with the Governor General's Foot Guards from 1991-1994. Vikram was first accepted into the McGill Neurosurgery Program in 1998 and in September 2000 he transferred into the General Surgery Program. Vikram has already obtained a Vascular Surgery Fellowship at McGill starting in 2004. Congratulations to Vikram and his wife Marla who got married in August 2002.

► **Madeleine Poirier** is a graduate of McGill. She received her MD in 1998. She completed a Master with Honors in Experimental Surgery with Dr. S. Meterissian and Dr. A. Nepveu in the Molecular Oncology Group Laboratory. Madeleine is committed to a career in academic Surgery and will be pursuing a Fellowship position in the United States in the coming years in the field of Oncology.



ORTHOPAEDIC SURGERY

Program Director: DR. M. TANZER



Dr. Fawzi Al-Jassir (Fellow) is a native of Riyadh, Saudi Arabia. He completed his residency in Orthopaedic Surgery in June 2002, followed by a fellowship in Sports Medicine which he completed in June 2003. Fawzi is now starting his second fellowship in Orthopaedic Oncology and Arthroplasty; while at the same time doing his Master's Degree in Surgical Research. He is married to Lina Alrassan, a pharmacist from Saudi Arabia, who is now finishing her degree in Computer Science.

Dr. Abdulrazzaq Al-Obaid graduated from medical school at Kuwait University Faculty of Medicine in 1995. He joined the Orthopaedic Residency Program at McGill in 1997. In the fall of 2002, he and his wife Ghanima (Dermatology resident at McGill) welcomed their little daughter Dana. He is currently doing a Spine Fellowship and plans to go back to Kuwait at the end of his training.



Dr. Fayez Al-Sayegh comes from Saudi Arabia. He is married and has two children (a daughter and a son) and is known as Super-Fayez. Upon completion of his residency, he plans a Joint Reconstruction Fellowship.

Dr. Paul Morin hails from beautiful New Brunswick. Formerly an Olympic caliber gymnast, he excelled in both rhythmic dance and trampoline/tumbling. Paul was the first to perform the Tung Fei double reverse butterfly twist in international competition. After his career was cut short due to an unfortunate injury on the pommel horse, Paul decided to pursue a career in medicine. He joined the Department of Orthopaedics in July 2000 after a brief stint in General Surgery at Memorial University. His current hobbies include golf, beer and warm summer walks along the



waterfront with his fiancée Victoria. Upon graduation, Paul will be a fellow at the American Sports Medicine Institute with Dr. James Andrews in sunny Birmingham, Alabama.

Dr. John Theodoropoulos, a quiet introvert, completed his medical training at Queen's University before following his med school classmate and best friend to McGill's Orthopaedic Program. Despite his intensive workout program, he has found the time to efficiently summarize the summary chapters of the most complicated orthopaedic pocket handbooks. Known as the Greek God of Diplomacy, Theo is always willing to listen, but more likely to talk. With his quick wit to lead him down the river and his palm pilot to record those that cross it, Theo's mark on the program will not soon be forgotten. Theo, why do ya got to be like that.



PEDIATRIC SURGERY

Program Director: DR. J.-M. LABERGE

We are happy to welcome **Dr. Thomas Hui** as our Pediatric General Surgery Fellow. Thomas Hui comes to us from the University of British Columbia where he graduated from Medicine. He began his training in surgery at the University of British Columbia and proceeded to continue and complete it at Cedars-Sinai Medical Center in Los-Angeles. During his training in Los Angeles he also did a two-year research fellowship with Drs. Jacek Rozga and Achilles Demetriou researching liver support system. We look forward to having him on our team.

PLASTIC SURGERY

Program Director: DR. B. WILLIAMS

Dr. Majed Al-Taqi, prior to starting his medical career, Dr. Al-Taqi was captain of the Kuwait National Team for Diving and competed in the Olympic Games in both Los Angeles, California, (1984) and Seoul, South Korea (1988). He obtained his Bachelor Degree in Basic Sciences from the Faculty of Medicine at Kuwait University in June, 1993, and his Bachelor of Medicine and Surgery from Kuwait University in June, 1996. He joined the Plastic Surgery Program at McGill University in July, 1999. He is married and the father of two girls, Farah and Sumar. He has a special interest in Microvascular Surgery and Breast Reconstruction.



Dr. Sandra McGill entered the Plastic Surgery Program at McGill University on July 1, 1999. Prior to coming to McGill, she completed both her Bachelor of Science, Honours, and Doctorate of Medicine at Queen's University, Kingston, Ontario. Following completion of her training, she ►

► plans to practice community Plastic Surgery with a focus on breast reconstruction. She is married with a daughter, Alexa and enjoys international travel and skiing.

Dr. Mark Martin completed his Bachelor of Science and Medical School training at the University of Manitoba, Winnipeg, Manitoba. He entered the Plastic Surgery Program at McGill on July 1, 1996. Following completion of the first three years of his training, he entered the Dental School at McGill, graduating in June, 2002. He then returned to the Plastic Surgery Program to complete his training. He hopes to pursue a fellowship and then return to McGill as an attending staff specializing in Craniomaxillofacial Surgery. His other interests include mountain biking, sketching, travelling, and canoeing.

SURGICAL ONCOLOGY

Program Director: DR. A. LOUTFI

Dr. Adnan Al-Hendal graduated in 1993 from the Royal College of Surgeons in Ireland. From 1993-94, he completed his internship in Kuwait. He was then an assistant registrar in Surgery from 1994-95 and in the Surgical Oncology Department of the Kuwait Cancer Control Center from 1995-96. He joined the General Surgery Program in 1998 with a special interest in surgical oncology. He will be starting a two year fellowship in October 2003. His precious achievements are his children Hasan (4 years old) and Malak (2.5 years old).

Dr. Brent Zabolotny got his M.D. in 1997 from the University of Manitoba, Faculty of Medicine, Winnipeg. He then did his

training in General Surgery at the University of Manitoba. This was followed by a Masters of Education Degree. Brent is interested in an academic career in Surgical Oncology with special interests in advanced laparoscopic skills and surgical education. He begins a two year fellowship as of July 2003.

UROLOGY

Program Director: DR. A. APRIKIAN

Dr. Sebastien Daigle received his pre-med diploma from the University of Moncton in New Brunswick and his M.D. Degree from Sherbrooke University in Quebec. The first three years of his residency were done in Sherbrooke, and Sebastien came to McGill for his fourth and fifth years. He is happily married to Rachele Brideau for the past 3 years.

Dr. Philippe Spiess was born in Montreal where he completed his Bachelor's and Master's of Science at McGill University. After completion of his graduate studies, he obtained his Medical Degree at the University of Toronto. Subsequently, he pursued his residency training here at McGill in the Department of Urology. He is the external chief resident of the Division of Urology for this academic year. Dr. Spiess has published numerous abstracts and scientific articles and is the recipient of several national and international research awards. At the completion of his residency, he will be pursuing a Uro-Oncology Fellowship at the University of Texas MD Anderson for 3 years. He is presently engaged and will be getting married in the near future to his fiancé Michelle Deskin. ♦

1st Annual Bariatric Surgery Fundraiser

The Bariatric Surgery 1st Annual Fundraiser was held on May 28th, 2003 at the Atwater Club in Montreal. It was an overwhelming

emotional evening for our bariatric patients as well as for our staff at the RVH site of the MUHC. Special thanks to the Bariatric Surgery Fundraising Committee.



First Row from Lt.: Dr. P. McLean, Mrs. McLean, Mr. Francois Desy (Ethicon EndoSurgery), Mr. Claude Warren (Ethicon EndoSurgery); Second Row from Lt: Dr. L. Ferri, Ms. M. Bouldadakis, Mrs. Christou, Dr. N. Christou

14th Annual Fraser Gurd Day

MAY 22, 2003



Dr. Shukri F. Khuri, Vice Chairman of the Department of Surgery at Brigham and Women's Hospital in Boston, was this year's Visiting Professor. His talk at Grand Rounds was *Surgeons and the Comparative Assessment of Quality of Surgical Care*.



BASIC SCIENCE RESEARCH AWARD

(Oral Presentation)

1st Prize: **Mr. Mark Lipsett**

2nd Prize: **Dr. Wendy Parker**

3rd Prize: **Ms. Anouk Emaldi**

CLINICAL SCIENCE RESEARCH AWARD

(Poster Presentation)

Dr. Kapil Sharma

OUTSTANDING TEACHER AWARD

Post-Graduate Education

Dr. Tarek Razek

OUTSTANDING RESIDENT TEACHER AWARD

Dr. Andrew Pickle

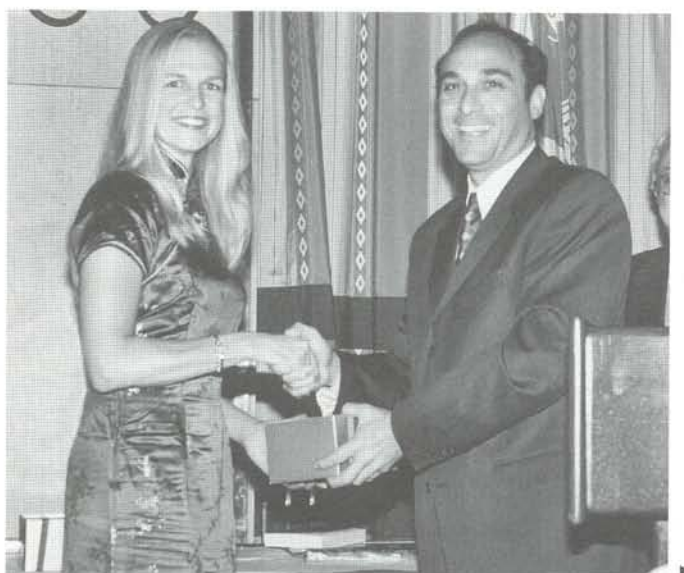
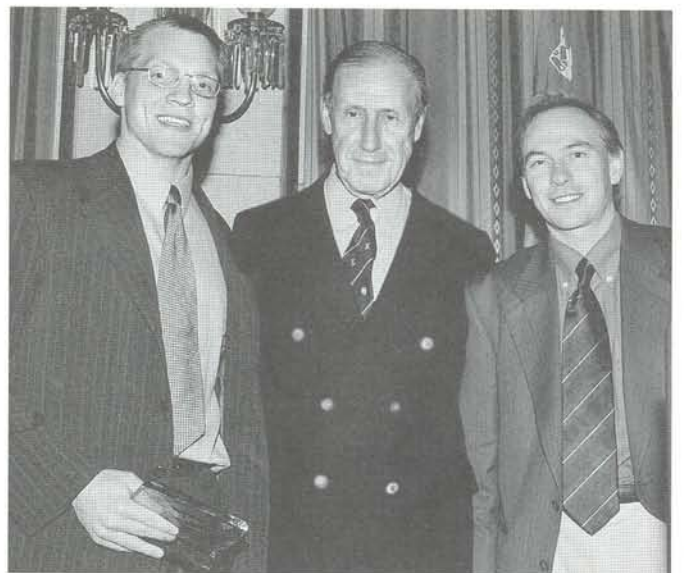
THE E.D. MONAGHAN PRINCIPLES OF SURGERY AWARD

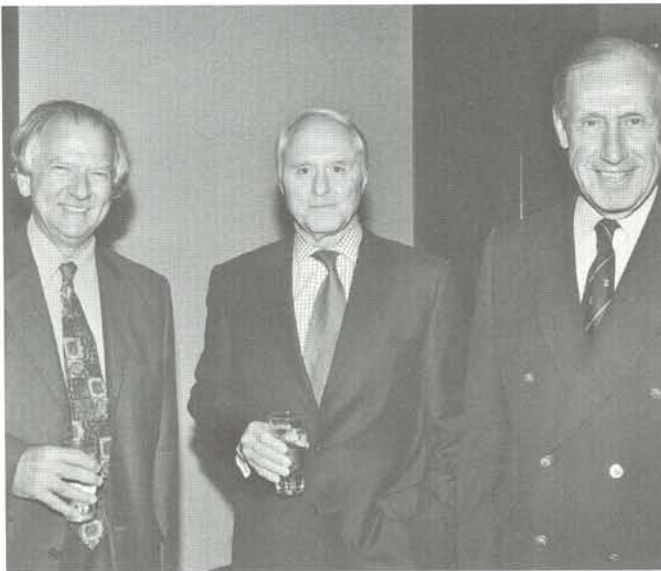
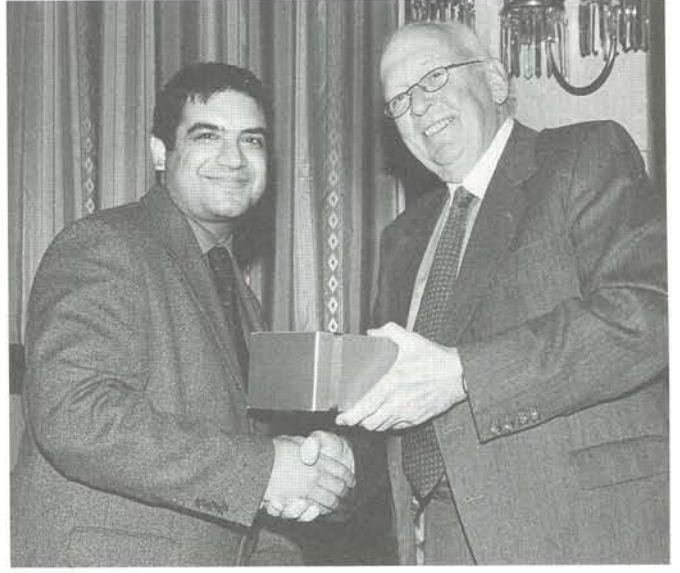
Dr. Richard Balys

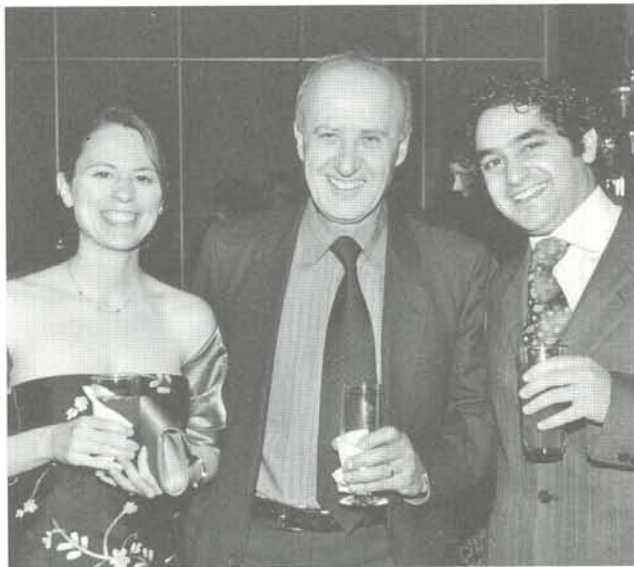
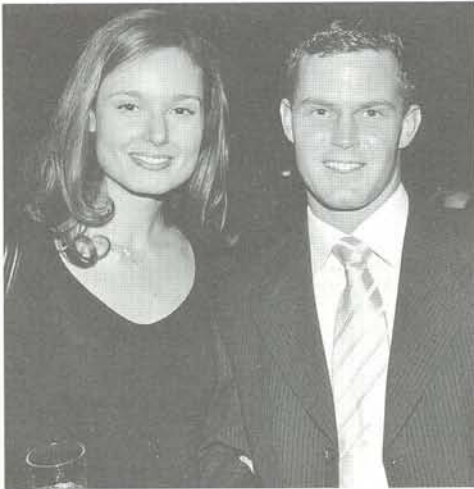
THE KATHERINE ROLPH AWARD

Dr. Catherine Milne













D
**Stikeman
Visiting Professor**
MAY 15, 2003

Dr. David Craig Miller, Thelma and Henry Doelger Professor of Cardiovascular Surgery at Stanford University School of Medicine, was this year's Stikeman Visiting Professor for the Division of Cardiovascular and Thoracic Surgery at McGill University.

Dr. Miller's talk at Surgical Grand Rounds on Thursday morning was entitled *Have We Made Any*

Progress in the Last 20 Years for Patients With Acute Type A Aortic Dissections? Following rounds, laboratory and clinical research presentations were given by residents, staff and alumni. After lunch, presentations resumed at the Royal Victoria Hospital.

The annual banquet was held that evening in honour of the Visiting Professor and the graduating resident, **Dr. Edgar Chedrawy**, at the University Club.



Dr. David Craig Miller

We were very pleased to welcome Dr. Miller at our 2003 Visiting Professor, joining the distinguished world leaders in Cardiothoracic Surgery who have served this role over the past three decades.

EKL

**7th Annual Frank Guttman
Visiting Professor**

JUNE 4-5, 2003

The Division of Pediatric General Surgery welcomed **Dr. Michael D. Klein**, The Arvin I. Philippart, MD Endowed Chair and Surgeon-in-Chief, Children's Hospital of Michigan, Wayne State University, as its 7th Frank M. Guttman Visiting Professor.

This two-day event took place on June 4th and 5th. Dr. Klein took part in our North-Eastern Pediatric Surgery Joint Rounds and presented interesting cases to our staff and participants from other Hospitals. Day two saw Dr. Klein present at McGill Surgical Grand Rounds on the topic of *Robotic Surgery at the Children's Hospital of Michigan*. Grand Rounds were held at the Montreal General Hospital. His day concluded with



Dr. Michael D. Klein

Neonatal Rounds at the Montreal Children's Hospital where he spoke on *Ventilatory Support for CDH*. ♦

Dr. Jean-Martin Laberge

Dr. Peter Chan of the Department of Urology was the 2003 recipient of the Everett C. Reid Award for Excellence in the Teaching Urology. Dr.

KUDOS !!

Chan is the youngest faculty staff ever to have received this honour. Dr. Chan (as co-Principal Investigator) and **Dr. Bernard Robaire** (as Principal Investigator) of the Department of Pharmacology and Therapeutics received a grant of over 2 million over 5 years from the Canadian Institutes of Health Research to work on *Reproductive Health after Chemotherapy in Male Cancer Survivors*.



Dr. Peter Chan

Dr. Ray Chiu was an Invited Lecturer at the 22nd meeting of the Society of Cardiac Surgeons in Magog-Oxford, Quebec on June 10th, and an Invited Speaker at the Gordon Conference on Biomaterials, Biocompatibility and Tissue Engineering held in Plymouth, New Hampshire on July 23rd. The Cardiac Society of Australia and New Zealand, at the annual meeting in Adelaide, Australia, August 10th to 13th, have invited him to deliver "The Victor Chang Memorial Lectureship", as well as keynote lecturer for cardiac surgery. On the way back, he will visit the Cardiac Research Institute in Sydney to speak on the future of cardiac surgery.

Dr. Anna Maria Derossis recently presented at the Association of Surgical Education Annual Meeting in May 2003 in Vancouver, B.C. The title of her paper presented was *Study Habits of Surgery Residents and Performance on American*

Board of Surgery In-Training (Absite) Examinations. [Correction: In the last issue of TSK, it read she was Director of Surgical Education, McGill Department of Surgery. In fact, she was appointed as Director of Surgical Education at the Jewish General Hospital].

Dr. Mostafa M. Elhilali received the Distinguished Achievement Award at the American Urological Association Annual Meeting in Chicago.



Dr. Francois Fassier presented a paper at the annual meeting of the American Academy of Orthopaedic Surgeons (February 5-9, 2003 in New Orleans). It was entitled *Expeience with the Fassier-Duval Telescopic IM System in the Treatment of Osteogenesis Imperfecta*. This new telescopic device has been developed since 1996 at the Shriners Hospital. **Dr. Pierre Duval**, orthopaedic surgeon and engineer, was in charge of the in vitro tests done at the Royal Victoria Orthopaedic Laboratory, and a Montreal based company "Pega Medical" produced the nail. On February 8, 2003, **Mr. Ariel Dujovne**, President of Pega Medical (former researcher at the MGH Jo Miller Laboratory) was proud to announce that the new device was granted FDA approval. So far, about 60 surgeries were done with this new technology in Canada, Europe and South America.

Dr. Jean-Martin Laberge was invited as guest speaker to the 3rd South American Congress on Fetal Medicine and the 6th International Meeting of Fetal Medicine Specialists in São Paulo, Brazil from June 19-22. At the conference Dr. Laberge presented on *Randomized Controlled Trials in Fetal Therapy, The Management of Congenital Lung Lesions and Sacrococcygeal Teratoma: Prenatal Management*. He also presented at this year's International Fetal Medical and Surgical Society

Annual Meeting (IFMSS) held April 27-29 in Zermatt, Switzerland. His presentation was entitled *The Effect of IUGR and Prematurity on the Outcome of Infants with Gastroschisis*. As past president, Dr. Laberge is a member of the Executive Committee of the IFMSS.

Dr. Antoine Loutfi was an invited speaker at the 7th Lebanese Surgical Congress from June 12-15, 2003. He spoke on *Evaluation of Surgical Residents; Melanoma Update; and Adjuvant Therapy for Gastric Cancer*. At this meeting, he was also made Honorary Member of the Lebanese Association of General Surgery.

Dr. Pramod Puligandla and **Dr. Hélène Flageole** both had abstracts accepted for presentation at the 34th Annual American Pediatric Surgical Association Meeting (APSA), held May 25-28 in Fort Lauderdale Florida. Dr. Puligandla presented *The significance of intrauterine growth restriction (IUGR) is different from prematurity for the outcome of infants with gastroschisis and Continuous epidural anesthesia is safe and effective in neonates and infants undergoing major abdominal surgery*. Dr. Flageole's presentation was entitled *Regional anesthesia (CRA) in neonates and infants undergoing major abdominal surgery*.

Dr. Lawrence Rosenberg was elected to membership in the American Surgical Association. He is the Principal Investigator of a program grant to the diabetes group of the Stem Cell Network of Canada. Dr. Rosenberg had two presentations



at the Annual Meeting of the American Diabetes Association- (a) *Identification and inhibition of islet cell neogenesis using an anti-INGAP polyclonal antibody;* and (b) *Development of a novel in vitro model to study acinar-to-islet differentiation*. He also has a paper ▶

► entitled *Signals for death and differentiation: a two step mechanism for in vitro transformation of adult islet of Langerhans to duct epithelial structures*, published in "Cell Death & Differentiation".



Dr. Yoshinora Taguchi has launched the 3rd edition of his book on Urology entitled *Private Parts*.

Dr. Christo Tchervenkov was promoted to Full Professor of Surgery as of April 1st, 2003.

Dr. Marvin Wexler recently attended the 2nd International Hernia Congress in London, England as a Invited Speaker at the Plenary session on the subject of *The Sliding Hernia*. He also served as Chairperson of separate sessions on "What's New in Surgery of the Abdominal Wall" and "Management of Difficult Abdominal Wall Hernias". Dr. Wexler received recognition for completing a three year term as a member of the Board of Governors of the American Hernia Society. He continues to serve on the International Advisory Board of

"Hernia: The World Journal of Hernia and Abdominal Wall Surgery" and on the Editorial Board of the Journal "Laparoscopic and Advanced Surgical Techniques".

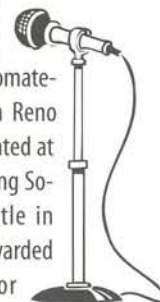
Dr. Bruce Williams was honoured as the first recipient of the Canadian Society of Plastic Surgeons Lifetime Achievement Award at the annual meeting in June 2003. This award honours an established plastic surgeon who is a member of the Society and has made an outstanding contribution to the profession and to the C.S.P.S. The award, voted on by his peers, is made on the basis of teaching, research, innovation, and service to the community.

Achievements Residents and Fellows

Dr. Waleed Al-Tawell, Dr. Antoine Hejeily, Dr. Wassim Kassouf and Dr. Jordan Steinberg wrote their Royal College Exam in May 2003 and all were successful.

Dr. Edgar Chedrawy successfully passed his Royal College Exam in Cardiac Surgery.

Dr. Wendy Parker has been very busy. This past spring, she presented at the Plastic Surgery Research Council annual meeting in Las Vegas, and the Biomaterials Society meeting in Reno in April. She then presented at the annual Wound Healing Society meeting in Seattle in May where she was awarded the Young Investigator Prize. These presentations were all of basic science nature from her work with **Dr. Anie Philip** at the McGill Plastic Surgery Laboratory at the MGH. Wendy also presented a clinical paper at the American Society of Aesthetic Plastic Surgery in Boston. In June, she successfully defended her Ph.D. Thesis, and then presented another basic science paper at the Canadian Society of Plastic Surgery annual meeting. Wendy has now returned to clinical duties as an R-4 plastic surgery resident. ♦



"He criticizes everything – the food, the staff – everything. So I've put him on the critical list."

The annual Fraser Gurd Research Day is an opportunity for the residents, students and fellows within the Department to showcase their research activities. As in the past, this years' presentations were of an extraordinarily high

Division of Surgical Research

By Lawrence Rosenberg, M.D.
Director

caliber and many of the papers will go on to be presented at national and international venues. The scope of the topics represented was impressive and highlights the tremendous breadth and depth of research expertise across all Divisions of the Department.

THIS YEAR'S RESEARCH PRIZE WINNERS WERE

Mark Lipsett, 1st prize for his talk entitled: *Islet Neogenesis Associated Protein (INGAP) is a Key Mediator of Islet Neogenesis*. **Wendy Parker**, 2nd prize for her talk entitled: *Rules are Meant to be Broken: Endoglin Binds Ligand without RII*.

Anouk Emadali, 3rd prize for her talk entitled: *Molecular Profiling of Ischemia-Reperfusion Injury in Human Liver*.

Kapil Sharma, 1st prize for best poster entitled: *Homograft Stenosis Post Ross Procedure*.

Of course, the success of such an event is critically dependent on those individuals who went out of their way and worked long hours to bring it to fruition. A special thanks goes out to **Irene Sidorenko** and **Maria Bikas** for their tireless efforts.

On behalf of the Division and the Department, I would also like to extend congratulations to those residents and students who were awarded graduate degrees in Experimental Surgery:

FALL 2002

Edward Harvey-M.Sc.

Nazanine Rahnema-M.Sc.

Linda Lefievre-Ph.D.

Andrew Seely-Ph.D.

WINTER 2003

Kashif Irshad-M.Sc.

Madeleine Poirier-M.Sc. (Honours)

Marc Zerey-M.Sc. (Honours)

Joseph Tector-Ph.D. (Honours)

SPRING 2003

Felicia Huang-M.Sc.

In other news, as part of an ongoing review of the graduate program in Experimental Surgery, **Dr. Anie Philip** and her Course Curriculum Committee are undertaking to revise our course offerings for the coming academic year. The statistics course, under the direction of **Dr. John Sampalis**, is being re-focused, and the Fall semester of the Seminars course will concentrate exclusively on scientific writing and related issues.

Finally, the Division has begun the process of establishing a database of research activities and resources within the McGill Department of Surgery as part of a larger multi-year project to identify, track and begin to leverage the intangible assets of the McGill Department of Surgery. ♦



Our laboratory is located in the LD MacLean Surgical Research Laboratories (Hershey Pavilion H6.33, 34) at the Royal Victoria Hospital. Currently, the lab comprises two

Of Worms and Men

post-doctoral fellows (**Dr. Sarah Jenna**, PhD and **Dr. Duc Thang Nguyen**, PhD), one PhD candidate (**Anouk Emadali**) and two MSc students (**Marie-Elaine Caruso** and **Simon Beaulne**). We have established academic collaborations with Canadian groups, international groups (US, France, China) as well as with industry (Biosignal-Perkin-Elmer).

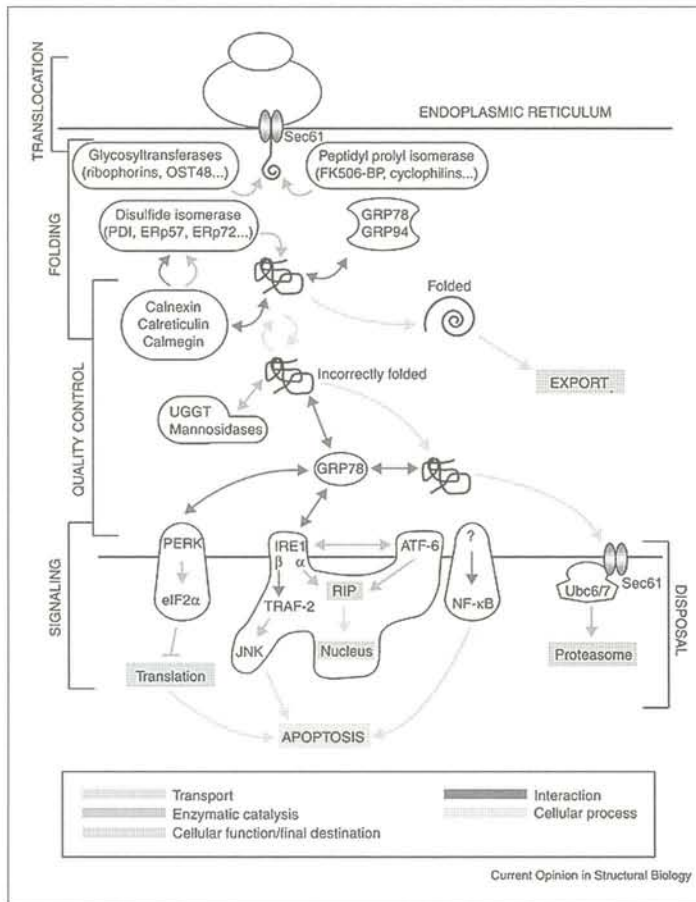
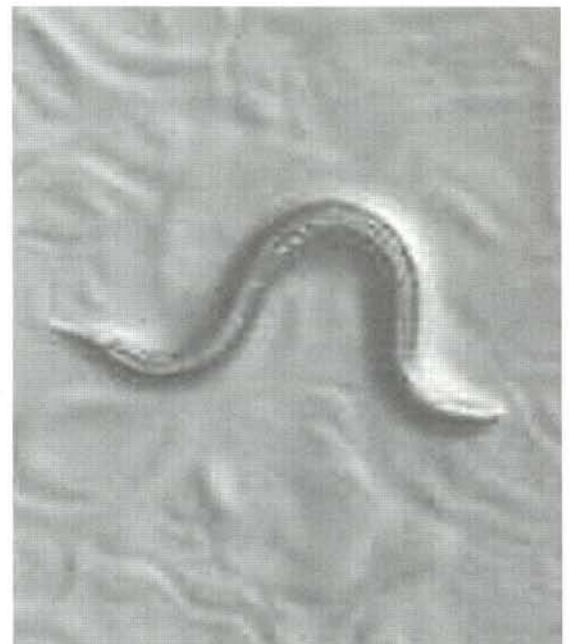
Our main focus resides in the understanding of environmental stress-induced molecular mechanisms in multicellular eukaryotes. We study these responses at sub-cellular and cellular levels as well as within organs or total organisms using both forward and reverse proteomics approaches. Three major research themes are currently developed in the laboratory:

i) Stress response activated following accumulation of proteins in the endoplasmic reticulum. Upon accumulation of secretory proteins in the endoplasmic reticulum lumen, cells trigger an adaptative mechanism to regulate resident molecular machines (see cartoon; 1). This occurs through the activation of specific signalling pathways involving protein kinases such as Ire1p, and Perk. We have established a method to isolate signalling competent endoplasmic retic- ▶

► lum membranes from stressed cells and have initiated the systematic identification of their phosphoprotein content using mass spectrometry sequencing. This will lead us to a better understanding of cell's adaptation mechanisms to physiological conditions such as amino-acid deprivation, low glucose or physiopathological conditions such as viral infections or expression of pathogenic mutants of specific proteins (DF508 CFTR, alpha1-antitrypsin null-Hong-Kong, Charcot-Marie tooth disease PMP-22).

iii) Systematic analysis of the Ras superfamily of GTPases in *C. elegans*. The third project was initiated in the laboratory in collaboration with **Dr Marc Vidal** (Harvard Med. School) and Biosignal-Perkin-Elmer. We identified the Ras superfamily of monomeric GTPases as one of the most important family of regulators in the two above projects. However, the study of their function/regulation in mammalian systems is very difficult due to redundancy. In *C. elegans*, this superfamily of G protein is less diverse and their regulators are less redundant. Using the *C. elegans* ORFeome (2) as the source of cDNAs, we are systematically analysing expression profiles, enzymatic activities and regulatory machineries for these GTPases.

Picture of a nematode worm *Caenorhabditis elegans* growing on an *E. coli* feeder layer.



ii) Stress response triggered by oxygen deprivation (ischemia) and reperfusion in human liver and hypoxia in cultured cells. The liver project is realized in collaboration with **Dr. Peter Metrakos** laboratory (MUHC) and the hypoxia study performed in collaboration with **Dr. Andreas Bikfalvi** (INSERM, France). In both cases, we aim to identify the signalling pathways responsible for cell adaptation to stringent conditions. By a combination of DNA microarray analyses and proteome mapping, we are in the process of reconstituting specific regulatory networks involved in cellular activity modulation by the above environmental conditions.

Our work has received funding from the Canadian Institutes for Health Research, the Canadian Foundation for Innovation, the Fonds de la Recherche en Santé du Québec and from the Ministère des Relations Internationales. We are a peripheral team of the Montreal Proteomics Network. ♦

Eric Chevet, Ph.D.

REFERENCES

1- Chevet et al., 2000, **Current Opinion in Structural Biology** 11:120-124.
2- Reboul et al., 2003, **Nat Genet** 2003 34(1):35-41.

Céline Doray has left the MUHC to pursue her career as Director of Nursing and Co-Director of Clinical Programs at "Cité de la Santé – CHARL" in Laval.

Céline Doray Leaves the MUHC

By Jean E. Morin, M.D.

After having obtained her "Baccalauréat en Sciences Infirmières" in 1975 at "l'Université de Montréal", she pursued her studies at Ottawa University in 1986 – 1987 and at "Université de Montréal" where she obtained her Master Degree in 1991. She then pursued further training in Administration and Education at McGill from 1993 – 1995.

In 1995, she won the Optimah-Merck-Frosst Medical Leadership prize with **Dr J.L. Meakins** for their work on "La co-gestion médico-nursing: la solution au déficit d'efficacité et d'efficience.

She started her clinical work as a nurse at the RVH in 1975. From 1985 to 1987, she worked at the Ottawa Heart Institute where she was the nurse-in-charge of the Coronary Care Unit.

Upon her return to Montreal in 1987, she directed her career more towards administration to become Assistant-Director of Nursing at "Cité de la Santé de Laval" from 1987 to 1990, then Nursing Director at the "Royal Victoria Hospital" in 1990 and finally, Associate-Director of Nursing (Adult), Surgical Mission for the entire MUHC since 1999.

Her implication in many committees at the regional level, as well as on the provincial and Canadian scenes, allowed her to leave a permanent influence on the development of many sectors of the nursing profession.

At the MUHC, she will be remembered as a warm and friendly individual. She has, over the years, participated in the administration of our medical center with generosity and enthusiasm. All the individuals who had the occasion to meet her will remember her availability and quick comprehension of the problems that were submitted to her attention. Never far away, she always manifested to others her total dedication and support.

She has accepted a new challenge by becoming "Directrice des Soins Infirmiers" at "La Cité de la Santé Laval" an establishment in full development. It is certain that she will bring a very valuable contribution to that institution.

We regret her departure but congratulate her for this new prestigious nomination.

We will, nevertheless, always be able to be reminded of her happy smile by seeing her picture on the wall of the Cardiac Surgery unit on S8E. She left on that unit a philosophy and work ethic attitude centered on patient care that still persists today.

We wish her good health, very much success in her new career and invite her to come and visit every time the occasion arises. Bonne Chance! ♦

*Jean E. Morin
Associate Director, Department of Surgery*



L to R: **Judith Ritchie**, Assoc. Dir. of Nursing Research; **Céline Doray**, Assoc. Dir. of Nursing Surgical Services-MUHC; **Ann Lynch**, Director of Nursing-MUHC

DR. GEORGE BURWELL MAUGHAN died at his residency in Guadalajara, Mexico on June 16th at the age of 93. Born in Toronto, Dr. Maughan graduated from McGill in 1934 and obtained a Master's Degree in Science in 1938. An outstanding



athlete, he was a two-time intercollegiate boxing champion at McGill (1932-1933 and 1933-1934) where he also competed on the football, swimming, waterpolo and track teams. He was the flagbearer for Canada at the 1932 summer Olympics in Los Angeles.

He was a veteran of the Royal Canadian Navy in the Second World War. He became Chief of Staff of the Royal Victoria Hospital Women's Pavilion and was a Professor of Obstetrics and Gynecology at McGill. Married three times, Dr. Maughan is survived by his wife, Suzanne and her daughters Veronica, Karla and Erika. He had twelve grandchildren and four great-grandchildren.

EDM



Dr. Stanley C. Skoryna

STANLEY CONSTANTINE SKORYNA, M.D., M.Sc., Ph.D. (Biol.), FACS,
September 4, 1920 - July 6, 2003

Died peacefully in the arms of his loving wife at St. Mary's Hospital in his eighty-second year. Born in Warsaw, Poland, Dr. Skoryna completed his medical studies and Ph.D. at the University of Vienna. He came to Canada in 1947 on the invitation of McGill University which offered him the Edward Archibald fellowship in experimental surgery. He was Director of the Gastro-Intestinal Research Laboratory at McGill for over forty years. As a surgeon, he practised at St. Mary's Hospital for more than fifty years. In 1964-65, Dr. Skoryna organized and led a medical expedition to Easter Island sponsored by the World Health Organization and the Medical Research Council of Canada. The Government of Chile, in gratitude, presented him with the O'Higgins Award. Among his other honours are the 1957 Medalist in Surgery of the Royal College of Physicians and Surgeons of Canada and the 1968 Auguste Rodin Award by the Canada Research and Development Corporation. Dr. Skoryna was also the first recipient of the Outstanding Achievement Award presented by the City of Montreal as well as a recipient of the Cross of Merit of the Republic of Poland. He was a devoted scientist, diagnostician and surgeon who

practised the art of medicine with compassion. During his productive years, he had a diversity of interests and was particularly sympathetic to young people for whom he always had time and was pleased to offer counsel and guidance.

Anyone who worked in the Donner Building in G.I. research will remember Stanley for his wise counsel. The last time we saw him was at the Farewell Dinner for Joe Meakins in October.

Dr. Skoryna was the husband of the late Haline Grygowicz and is survived by his beloved wife Jane of thirty-three years, his devoted children Christopher (Jean Hemetter), Elizabeth (Eric Long) and Richard and by his many dearly loved grandchildren. He is also survived by his brother George of Montreal and his sisters, Dr. Murka Wesshall (Dr. Eugene Wesshall), Dr. Halina Eneva, as well as his niece Dr. Ada Aastrup and his nephew Dr. George Skoryna - all of Sweden.

In lieu of flowers, donations may be sent to St. Mary's Hospital Foundation, 3830 Lacombe Avenue, Montreal, H3T 1M5.

EDM

ROBERT ARTHUR WIGMORE

September 12, 1919- March 31, 2003

Surgeons, residents and others who worked in the Department of Surgery at the Vic in the sixties and early seventies will remember Bob Wigmore. In 1963, The Department acquired a hyperbaric chamber for surgical research, and to treat certain patients with anaerobic infections. The Department hired Bob to operate the chamber and to develop safety standards. It was soon obvious that Bob possessed talents and skills far beyond those required to operate the chamber. He voluntarily assisted researchers with their experiments. He suggested innovations of a technical nature and used his skills to machine or construct new devices or instruments that would save time and improve precision. He patented many of these instruments. He constructed a portable hyperbaric perfusion chamber designed to preserve organs in the early days of organ transplantation. A generation of surgical residents, who worked with him during their research years, came to appreciate Bob as a trusted colleague and friend.

For a time, Bob assisted a resident who began experiments at 4 a.m. in order to finish in time for duty at 8 a.m. One very cold winter morning when they met at the entrance to the lab, the resident sheepishly admitted that he forgot the key. Stranded outside in subfreezing temperatures, Bob remarked without a trace of anger "Oh well, everyone makes mistakes".

War action gave Bob a mature outlook on life and, occasionally, he chided his medical colleagues for taking them- ►

► selves too seriously. He enjoyed spoofing the staid medical system in humorous ways. At the end of a busy day, Bob would ask the locating operator to page Mr. Appleton. But, there was no Mr. Appleton. Bob's medical friends knew that he was calling them to the hyperbaric chamber where he would invoke the old navy custom of pouring a "tot of rum." Residents and staff who knew of this activity considered themselves members of the "Appleton Club."

Bob's first career was in the Navy. He joined at age 18 in 1938. One year later, Canada entered World War II and Bob's life was suddenly exciting and dangerous. He served on His Majesty's Canadian ships "Restigouche" and "Prince Robert" and saw action in naval missions all over the world. Bob recorded his exploits and was fond of recounting tales of his skippers and escapades with his fellow seamen in seaports from Bordeaux to Hong Kong. He was on the destroyer Restigouche in the North Atlantic off the coast of France when sister ship "Calcutta" rammed "Fraser", spilling hundreds of crewmen into the water. Bob was in the first rescue boat that saved well over 100 sailors. He stayed in the Navy after the war to train as a

diver. He served in this capacity until retirement at age 45 as a Chief Navy Diver.

When research involving the hyperbaric chamber was winding down, Bob accepted a position as perfusionist with the cardiac surgery team. He continued in this position until 1974 when he noticed the onset of impaired hearing, probably caused by his previous work as a navy diver. Fearing that impaired hearing would affect the quality of his work, he decided to retire. Bob had now completed two careers. He and his wife, Lee, chose to live the remaining years of their lives in Lee's home town of Digby, Nova Scotia. Here Bob renewed his interest in sailing and wood carving. He and Lee involved themselves in the activities of the Royal Western Nova Scotia Yacht Club. Very quickly, Bob made new friends. Many were sailors and, like his medical friends at the Vic, they grew to respect his talents and value his friendship. Bob died from complications of a melanoma, but was well enough to cruise the Greek Isles 3 months before he died. ♦

Dr. John H. Duff

Were You There? 1971-72



SURGICAL RESIDENT RESEARCH FELLOWS AND THEIR DIRECTORS IN THE UNIVERSITY SURGICAL CLINIC 1971-72
 Standing from left to right: Bill Mercereau, Charlie Stevenson, John Burgess, Rea Brown, Peter Blundell, David Owen, Vincent Echave
 Seated from left to right: Larry Hampson, John Hinchey, Alan Thompson, Hope McArdle