



THE MOSAIC

SPRING 2011



Message From The President



After being dormant for many years, it is good to see the Mosaic reborn. The Mosaic is an internal publication where news, events and topics of interest from each office are shared companywide. As we are aiming for one or two issues each year, bits of information may be old, but still news for some. I think it is always nice to hear what's happening in the other offices.

This first issue coincides with the start of the Company fiscal year, so my first order of business is to welcome new and returning co-op students. This is a mutually beneficial relationship where students gain working experience (and income) while providing the manpower to manage the onslaught of our busy construction season. I also extend welcome to new and recent fulltime hires and trust the Peto experience is proving to be meaningful and rewarding.

Most of you know that I am now six months into my new job as president. I started as a field inspector, and

here I am 30+ years later. Even the impossible is possible.

Employees are the Company's greatest asset. I will always reflect on my experiences, the tribulations, doubts and even cynicism during my personal journey, to remind me of what it is like and help keep me focused on the job of fulfilling the aspirations of employees. A major initiative was the introduction of an associate level within the corporate structure to recognize future leaders. The Employee Group Benefit program was recently enhanced to include an allowance for glasses, and an ad hoc committee has been initiated to review and develop strategies for retention of employees at all levels.

The construction season has been slow off the mark, but soon we will be fully engaged as the weather improves. I encourage everyone to do great work and have the satisfaction and pride in knowing that you are doing great work. Together we can make a difference. Enjoy and be safe.

1956 - 2011

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YEARS OF
EXCELLENCE

Peto MacCallum Ltd.

Meet Your Directors and Associates

Did you know that Peto MacCallum Ltd. (PML) is an employee-owned company with 66 shareholders. Did you also know that over 82 employees have provided 10 or more years of service to PML.

That's quite a testimonial to the company. We have a tremendous engineering heritage and have been involved with numerous major projects over the years, but what's really important is the fact that most of the staff that worked on them are still with us today.

The management of the company firmly believes that engineering service companies such as PML will only be truly successful if they are owned by employees who are committed to that success and that the ownership should have as broad a base as possible. Our current board of directors and associates are identified to the right.



Turney Lee-Bun
Director



Andrew Injodey
Director



Al Nathoo
Director



Gerry Mitchell
Director



John Dietrich
Director



Wayne Belcourt
Director



Carlos Nascimento
Director



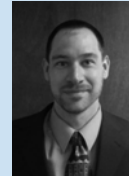
Shahram Ahrari
Associate



Mahaboob Alam
Associate



Andrew Jones
Associate



Brian Squire
Associate



Geoffrey Uwimana
Associate



Geoff White
Associate

2010 Service Awards

The Peto MacCallum Ltd. Employee Service Awards are given to recognize employees who have attained 5, 10, 15, 20, 25, 30, 35 and 40 years of cumulative service by December 31 each calendar year.

The 5, 10, 15 and 20 year awards are presented to staff at their respective branch offices in the fall by their Branch Managers. The 25 year awards are presented by the President at the annual Holiday Party. Recipients of the 30, 35 and 40 year awards are given their personal choice of a wall clock, digital camera, crystal vase/stemware, leather jacket or a wooden rocking chair (\$500 limit).

Staff who have achieved these milestones last year are:

35 Years

John Wright (Barrie)
Brian R. Gray (Toronto)

30 Years

Monica Ip (Toronto)

25 Years—Gold Watch

Tim Panton (Hamilton)
Nuno Costa (Toronto)
Carlos Nascimento (Toronto)

20 Years—Leather Jacket

Ahmed Arbaji (Toronto)
Lubna Raza (Toronto)

15 Years—3 in 1 Winter Parka

Taralee Cunnington (Barrie)
Ashif Hansrod (Kitchener)
Richard Webster (Hamilton)
Margaret Sambor (Toronto)
M. Kathirgarmar (Toronto)

10 Years—Personalized Cross Pen

Judi Batley (Barrie)
Mahaboob Alam (Toronto)
Krishnarajah Annandasuntharam (Toronto)
Mahammed Shahabuddin (Toronto)
Madhi Salem (Toronto)
Michael McKenzie (Toronto)

5 Years—Taslan Spring Jacket

Nicholas Lee-Bun (Barrie)
Matthew Werenich (Barrie)
Ken Hanes (Kitchener)
Matthew St. Denis (Hamilton)
Kyle Davis (Hamilton)
John Dolan (Hamilton)



25 Year Alumni Gathering

The eleventh annual 25 year alumni dinner was held on June 1, 2011 at the Ristorante Boccaccio within the Columbus Centre in Toronto. The dinner is to honor those individuals who have dedicated more than 25 years of consecutive service to PML. Twenty Five years of services is quite an accomplishment. This year the club welcomed Rick Renouf to the group.



25 Year Alumni Club

Back Row: John Duncan, Tom Rotozinski, Rick Renouf, Tim Panton, Patricia Tilley, Bruce Morrow, Ev Truax, Peter Hall, Sikander Khan, Karl Krumrein, Angela Caleca, Mike Rapsey, Nuno Costa, Marijan Mehes, Wayne Belcourt
Front Row: Gerry Mitchell, Dennis Kerr, Douglas Bonner, John Dietrich, Turney Lee-Bun, Al Nathoo, Brian Gray, John Werenich, Monica Ip, Carlos Nascimento, David Bebee
Missing: Philip Sun, E.M. (Bud) Peto, Alex Luk, Ron Midgley, David Doodnauth, Bill Truax, John Wright, Gerry Pacitti



Past Presidents

Back Row: Al Nathoo, Turney Lee-Bun, John Dietrich
Front Row: Douglas Bonner, Brian Gray
Missing: E.M. (Bud) Peto, Gerry Pacitti

PML Scholarship Awards

The Directors are proud to recognize the PML Scholarship awards, and wish those who have received the awards all the best in their studies. A total of 39, \$1000 scholarships have been awarded since the scholarship program was implemented in 2004. The Scholarship donations are each funded jointly by Peto MacCallum Ltd. (\$700.00) and Mr. Al Nathoo (\$300).

The 2010 Scholarship Award recipients are listed below:

Applicant	Parent Information	University/Collage	Course
Mr. Irtiza Alam	Mahaboob Alam, Toronto	University of Toronto	Electrical Engineering
Mr. Brandon Franklin Tram	Lily Tram, Toronto	University of Waterloo	Computer Engineering
Mr. Piravinth Puvanesarajah	P. Kanagalingam, Toronto	McMaster University	Computer Engineering

Health & Safety Corner

By Gerry Mitchell, Director of Health and Safety

Summer, and a busy construction season, are upon us. The roads will be busy and there will be plenty of road construction activities to contend with, many of which PML will be involved with. I want to take this opportunity to remind all staff who work on road related projects to be diligent while working on these assignments. Review all PML safety procedures and the Traffic Control Plan prior to working on road projects. Follow all procedures specified and always be alert. Do not become complacent.

Most road agencies have campaigns underway to remind drivers to slow down through work zones—it's the law. As a driver, please slow down! Take the opportunity to remind all friends and family to also slow down and pay close attention in work zones—our staff are working there!!

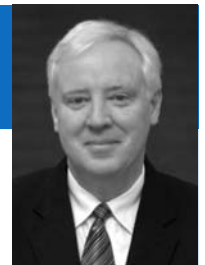
Here are some tips safety professionals recommend for drivers, to help make construction zones safer for everyone:

- Select an alternate route. One of the best ways to avoid long delays, frustration, and the potential for an accident is to avoid construction zones altogether, if possible.
- Observe warning and caution signs before entering a construction zone. Drivers should slow to the posted speed and move to the proper lane as instructed. Traffic and road conditions may dictate an even slower speed. If so, start slowing your vehicle before entering the work area.
- Maintain a safe following distance. Rear-end collisions are one of the most common types of construction zone accidents. Drivers should watch for slow moving or stopped traffic and be prepared for abrupt stops.
- Avoid distracting activities. Remaining alert for unexpected hazards is critical when traveling through construction zones. Tuning the radio, eating, reading, or

other similarly distracting activities can quickly lead to an accident. Expecting the unexpected is a golden rule when travelling through construction zones.

- Stay in your lane. Changing lanes in a construction zone is dangerous and is often prohibited for this reason. Narrow lanes and restricted shoulders make construction zones a common place for lane-change accidents.
- Watch for construction equipment and workers. Construction equipment entering and exiting a work zone, equipment extending into traffic, and construction crews and flaggers working close to moving traffic are a few of the hazards to expect. Maintaining a safe following distance behind construction vehicles is a good practice.
- Watch for motorists who may become irritable and confused. Long traffic delays and changing road configurations can cause other motorists to drive in an unpredictable or erratic manner.
- Stay alert for obstacles and debris. Construction equipment, signs, and barriers may be located close to the edge of the roadway. Debris from work projects, especially dust, dirt, and gravel, may cause added disruption. Regular traffic lanes are often shifted to temporary lanes and shoulders that may not provide the stability regular traffic lanes offer.

Please pass these tips on to families and friends. Each of us, as a safe driver, has a responsibility to exercise caution and good judgment regardless of the behaviour other motorists' display. Consideration for the safety of construction workers and other motorists can help turn highway construction areas into "safe zones" for everyone.



PML RETIREMENTS

Brian R. Gray, M.Eng., P. Eng., Principal Consultant, MTO Principal Designated Contact, Toronto retired from full time employment on December 31, 2010.

Brian received his B.A.Sc in Civil Engineering in 1968 and later his M.Eng. in Geotechnical Engineering from the University of Toronto in 1971. He has been a Designated Consulting Engineer since 1975 and just completed 40 years as a P.Eng. in April 2011.

Before joining PML in June 1975, Brian worked for Golder Associates for 5 years, as a Civil and Geotechnical Engineer. Brian felt it was important to get out in the field to experience for himself how things were done before moving into the office to write reports. He never turned down a field assignment and found himself conducting geotechnical investigations on miles of dykes along the Fraser River from Mission to Delta BC., at the Scurry Rainbow Mine, Elk River BC., New Quirk Mine, Elliot Lake/ Matabi Mines, Ignace ON and for a 102 km highway from Sohar Oman to Buraimi Abu Dhabi, UAE.

Brian joined PML as the Regional Geotechnical Engineer for Hamilton/Kitchener offices and then moved to Toronto to become Vice President Geotechnical Engineering when Clive Freeman retired in 1979.

With the retirement of Doug Hitchins in 1983, Brian took on the added duties of Secretary-Treasurer, a position he held until 2000 when he became President, then Chairman of the Board from 2003-2006. He stepped down off the PML Board of Directors last October 2010 after an impressive 27 years.

When Bud Peto retired in 1986,

Brian took on the role of Chief Geotechnical Engineer. Over the past 25 years he has experienced great satisfaction mentoring engineering staff, particularly our EIT's. Brian even managed to complete overseas assignments in Bermuda (Castle Harbour Hotel Expansion) in 1985 and the sewerage treatment facilities expansion in Nicaragua for the World Bank in 1996-1997.

From 1983-2010, Brian was Chairman of the PML Professional Errors and Omissions Risk Management Committee and has now turned over the reins to Turney Lee-Bun. Brian served on the Sir Sandford Fleming Curriculum Advisory Committee for 2 years and was the CEO's Director on the Association of Consulting Engineering Companies (ACEC) for 5 years from 2004-2008.

If Geotechnical Engineering was Brian's first love, the company's finances and administration were a close second!! Brian enjoyed the many years working with Angela Caleca and Andrew Injodey and the Administration department staff through the PML computerization transformation into the 21st century!!

Brian introduced the PML Credit Policy and helped managers learn the importance of financial responsibility!! Gradually, managers gained confidence to ask and obtain retainer fees which greatly reduced the company's bad debts and significantly improved our bottom line.

With the outsourcing of the MTO projects in 1996, Brian has worked diligently for the past 15 years and spearheaded the development of the sector into a major component of the companies successes. Major 4 laning Route Selec-

tion, Planning, Preliminary and Detail Design assignments were secured and completed for Hwy 69 Sudbury, Hwy 69 Estaire and most recently two large projects involving over 17,000 explorations for the 21.5 and 24.7 km sections of Hwy 69 from Estaire to south of the French River. A special thanks to Carlos Nascimento, Al Nathoo, Geoff White, Brian Squire and Gerry Mitchell who formed a great team to complete this 5 year project!!

Brian enjoyed managing the special challenges of the PML winter drilling programs for over a decade with up to 7 field crews at multiple MTO projects across Northern Ontario. PML consistently produced high quality deliverables which is a testament to the active participation of all offices to the company's success!!

Brian always enjoyed his time away from work. Brian sang in the Mississauga Justus (80 person) chorus for 15 years and participated in the annual Live on Stage revues, Xmas concerts at Hamner Hall, caroling, singing with Mayor Hazel McCallion and was even a backup singer for Barry Manilow at the CNE. Brian also sang the National anthem at the Sky Dome for the Toronto Blue Jays--Mississauga Day.

Brian looks forward to spending more time with his 5 grandchildren and his other interests of Golf, Bridge, Cruising with wife Rosemary, and spending more time canoeing/kayaking at their second home on Head Lake in Haliburton,

Brian continues to work half time on current MTO projects and is always waiting for the next BIG proposal!!

PML RETIREMENTS

Mr. Dennis Kerr. MEng., P.Eng., Principal Consultant, Geotechnical and Geoenvironmental Services, Hamilton

retired on April 30, 2011.

Dennis grew up on a small dairy farm in Eastern Ontario, and obtained his Bachelor's degree from the University of Waterloo in 1972; his first engineering job was as a Civil Engineer with The Canadian National Railway in Capreol, Ontario (north of Sudbury). Thirteen months later he was transferred to Edmonton Alberta to help with the geotechnical aspects of twinning the CN tracks between Winnipeg, Manitoba and Vancouver, British Columbia. The need to learn more about the engineering properties of soil along with the requirement to take advantage of a National Research Council of Canada Scholarship that he had received upon graduation from Waterloo prompted him to take a leave of absence from CNR and obtain a Masters degree from the University of Alberta (U of A).

While in Capreol he started to umpire fastball and referee hockey - a sports passion he had for many years. He umpired ball at the Senior A level and officiated hockey at the Junior A level (his claim to fame is having pulled Mark Messier off more fights at the Junior A level than the number of goals he scored in his first three years in the NHL). These passions proved to be useful 'diversions' from study and a source of 'beer' money while attending the U of A.

Following graduation he joined Thurber Consultants, declined a transfer to Victoria to allow his wife to complete her University Education, then joined Hardy and Associates in Edmonton. It was with Hardy that he worked on the first of three of the most satisfying projects of his working life. The project was at the Great Canadian Oil Sands (tar sand) in

Fort McMurray, Alberta and involved assessing the performance of 'Tar Island Dyke' -- a sand dam adjacent to the Athabasca River constructed to retain tailing sand and the need for a clay core to depress pore pressures on the downstream side of the dam.

Dennis joined PML in the spring of 1979, about the same time as our President, Turney Lee Bun and Peter Hall of the Hamilton office. He started as Regional Geotechnical Engineer responsible for all geotechnical activity in the Kitchener and Hamilton offices and confined his activity to the Hamilton office about four years later. He served as Manager, Geotechnical and Geotechnical Services, Hamilton until 2002. In 1996 he was appointed Chief Foundation Engineer and was responsible for the technical aspects of the Foundation work conducted on MTO projects. Since 2002 he has devoted his time to major projects, providing opinion evidence on legal matters and mentoring others.

The other two most satisfying projects Dennis worked on were conducted while at PML. The first was the redevelopment of Pier 12 and 13 in the Hamilton Harbour. PML was approached to provide a second opinion on the design and construction recommendations provided by Others. Input from Dennis allowed the construction schedule to be accelerated by two years and saved the Port Authority more than a million dollars (1980 dollars). The second was the realignment of a 6.2 km long section of Hwy 101 in Timmins to enable extraction of the gold below the existing highway. This work involved extensive 'discussion' with a peer reviewer and MTO foundation engineers, prediction of the magnitude of settlement of the roadway embankment following construction, and monitoring embankment settlement over a 5 year period. The actual settlement at all 30 monitoring

points was less than predicted.

Dennis is looking forward to devoting his time to completion of the endless number of 'fix it' jobs around his house that have been neglected over the years, spending time at the 'houseage' on Georgian Bay north of Parry Sound and singing with the Burlington Welsh Male Choir, a choir he joined in 2004, to prepare for participation in a 1000 voice choir at Royal Albert Hall in London, England. The choir has provided him the opportunity to sing at Celtic Festivals in Chicago, a Blue Grass Festival in San Francisco where the choir was invited to perform with Elvis Costello and most recently, at the Horseshoe Tavern in Toronto in April this year. The choir is currently preparing for a concert to be held in London, England in conjunction with the 2012 summer Olympics after which it plans a tour to Vienna and Prague. Dennis also plans to keep in contact with his buddies at PML.

Mr. Mike Rapsey, Drillrig Supervisor, Hamilton

retired from PML on April 1, 2011 after 34 years of service.

Mike spent all of his time at PML working on soils investigations and putting his vast knowledge of the geological make up of the area to good use. In the olden days he did logs and drafting by hand but then the computer was invented and Mike delegated this task to others. He worked for all of the branches on various projects, even travelling to Nicaragua in 1996 to work on a sewer infrastructure project in the capital of Managua. Mike particularly enjoyed his extended trips up north to work in the winter months, even with all the problems he encountered.

(Continued on page 6)

PML RETIREMENTS

Mike plans to enjoy his retirement by gardening, playing golf, riding his bicycle and working out at the gym so he looks like Captain Morgan while enjoying his favourite beverage. He also intends to keep in touch with all his PML friends.

**Mr. Everett L. Truax Sr., C.E.T.,
Manager of Laboratory Services, Hamilton**
retired on May 6, 2011.

After three years of working as a Detail Draftsman at Otis Elevator and S.F. Bowser, Everett returned to school at Mohawk College and joined Peto MacCallum Ltd. in 1969 as a field/laboratory technician. Over the past 42 years, Everett has been involved with numerous construction projects and materials testing assignments throughout the Hamilton, Niagara and Toronto areas; not forgetting the two years at the new greenfield Cami Automotive Plant in Ingersoll, Ontario in the late 1980s.

It is Everett's intent, after a short four week vacation, to work on a part-time basis to assist our senior laboratory staff during the initial transition period.

Everett is looking forward to spending more time with family, particularly with his grandchildren, and perhaps some time on the road chasing his family history.

**Mr. Philip Sun, P.Eng., Senior Consultant,
Manager, Inspection and Testing Services, Toronto**
retired December 31, 2010.

Philip came to PML in 1979 after eight years with Racey MacCallum & Bluteau Ltd., Montreal, PML's predecessor where he was Manager of the Geotechnical Department. Prior to that he worked as a field engineer for two years with Acres Canadian Bechtel on the Churchill Falls Hydro Development in Labrador, the largest underground powerhouse in the world. In Toronto, Philip was Chief Engineer, Building Science Services and Materials Engineering before becoming Manager, Inspection and Testing Services. During his early years in Toronto he worked extensively with Bud Peto from whom he gained great insight into engineering practices in the Greater Toronto Area (GTA). He provided engineering leadership and supervision to inspection and testing staff and was well respected by PML's many clients in the GTA.

Philip is looking forward to relaxing and enjoying his free time in his retirement.

THE SCOOP...

What's Up with PML Staff

BARRIE:

Chongwei Hu and his wife Judy became proud first time parents of their son Tyler Fang Jun on October 14, 2010 weighing 8.5 lb.

Jeremy van Kolschoten and his wife Lisa welcomed their daughter Kyla Clare into their family on February 1, 2011 weighing 9lb. Kyla is a little sister to Logan.

Donna Davidson-Gorry and her husband Jason welcomed their son Nicholas Christopher into their family on February 27, 2011. Nicholas is a little brother to Alexis.

John and Laurie Wright celebrated their 25th wedding anniversary in New Zealand in January 2011.

KITCHENER:

Michael Kemp and his wife Maydie welcomed their daughter Keira Grace into their family on November 24, 2010 weighing 6lb 2oz.

Flora Mehboob and her husband Mazher became proud first time parents of their son Rohan on May 9, 2011 weighing 7lb 15oz. May 9th is also Flora's birthday!

HAMILTON:

Melissa King, Manager, Geoenvironmental Services, Hamilton and her husband Tim welcomed their baby boy, Jacob Edward, to the family on June 27, 2010. Melissa is almost done her maternity leave and looks forward to returning to work in June, 2011.

Matthew St. Denis of the Geotechnical Department obtained his P.Eng. in August, 2010 after much hard work. Congratulations Matt!

Everett Truax Jr. of the Hamilton Laboratory, was married to Jenn Downey on September 4, 2010. So far, married life is treating him well!

Amjad Khan and his wife Seema welcomed their baby girl, Yosra, on March 16, 2011. The family is adjusting to this busy period in their lives.

TORONTO:

Priyanki Patel and her husband Taral become proud parents of their daughter Mudra Taral on April 25, 2010 weighing 5lb 4oz.

Alan Lo and his wife Lucia Shum welcomed their daughter Adelaide into their family on October 4, 2010 weighing 7lb 6oz.

Michael McKenzie and his wife Nicole welcomed their son Nate William into their family on June 30, 2010 weighing 6lb 12oz.

Edward Trebovac and his wife Jacqueline became proud first time parents to their son Grayson Isaac on December 29, 2010 weighing 7 lb 2 oz.

David Azo and Yukari Nakai were married April 30, 2011.

Bruce Morrow and Mary-Lou Montgrain will be married July 10, 2011.