

THE KEYSTONE PROFESSIONAL



The Association of Professional Engineers and Geoscientists
of the Province of Manitoba

SEPTEMBER 2001
www.apegm.mb.ca



Report of the Executive Director and Registrar

D.A. Ennis, P.Eng.

Most of the activities and issues before the Association are reported on elsewhere in this publication by the various committees, the President and the Director of Admissions. This report is intended to cover matters not dealt with by them.

Council

Financial

As Treasurer I report that the Association continues to be in a sound financial position. The level of reserves is such that they could sustain the Association's operations for one year. The Auditor's Report and 2001 Financial Statements are available from the Association office. They will be distributed at the Annual General Meeting and are also posted on the website. There has been a small increase in the membership. At June 30, 2001, there were 3772 members on the register (up from 3747 in 2000) with 2761 being residents of Manitoba. Of the 3772, 231 are professional geoscientists, of which 18 hold dual registrations.

Governance

As was reported earlier the Council has taken a decision to implement Policy Governance® for conducting the affairs of the Association. I am encouraged by the progress that has been made in this area. Although not yet fully implemented, it has led to simplification of some of the Association's operations.

Council Composition

As noted last year the external committee authorized under sub-

section 8(2) of the Act, was in the process of making an appointment to fill a vacancy. The Committee has appointed Kathy Gaudry, FCGA, to the position. Ms. Gaudry's term, and that of the other appointed councillor, Wayne Ruff, will expire at the Annual Meeting in 2003.

Professional Development

Last year at the Annual Meeting, there was a presentation on the Association's Professional Development Guideline. The guideline along with a sample form and planning example were subsequently posted on the Association's web site at <http://www.apegm.mb.ca/pdnet/pddocs/guideline.pdf> to assist members in maintaining and enhancing their competence. Another feature of the Association's website is the "PD Network". It provides extensive information on professional development opportunities and links to professional and technical organizations, institutions and course-providers. Its "Upcoming Events" page typically provides information on 100 opportunities and the links to other organizations offer several hundred more.

As I noted last year, four of the Canadian associations that register engineers and geoscientists now have mandatory professional development requirements, and others are in the process. One can expect, therefore, that evidence of professional development credentials will become significant if one intends to practise either of the professions in other Canadian jurisdictions. More recently, it has become apparent

that evidence of continued professional development will be a condition for eligibility to practice under international agreements.

Inter-Profession Liaison

The Association has memoranda of understanding and obligations under the Act which provide for formal liaison with some other professions. I serve as the staff support and contact for the joint boards and committees that were established as part of those obligations.

Certified Technicians and Technologists of Manitoba (CTTAM)

The Engineering, Geosciences and Applied Sciences Inter-Association Relations Joint Board is established by the Act for the purposes of developing and recommending processes for co-operation by the two associations in carrying out their respective areas of responsibility in the public interest, and for the resolution of issues or disputes respecting areas of practice. An APEGM concern regarding a CTTAM plan to issue an identification stamp to its members has not yet been fully resolved. The Chair of the Board, David Kennedy, is appointed by the Minister of Labour. The APEGM representatives on that Board are Michael Bulman, P.

Eng., C.E.T., Len Chambers, P. Eng., C.E.T., and Jerry Bogan, P. Eng. The Board attempts to meet quarterly. However, over the past year, because of quorum difficulties, there have only been two meetings.

Manitoba Association of Architects (MAA)

The Engineering and Geoscientific Professions Act and The Architects Act established the Engineering, Geosciences and Architecture Inter-Association Relations Joint Board. It too is intended for the purposes of developing and recommending processes for co-operation by the two associations in carrying out their respective areas of responsibility in the public interest, and for the resolution of issues or disputes respecting areas of practice. The Chair, Tom Bleasdale, is also appointed by the Minister of Labour. The APEGM representatives have been Doug Stewart, P. Eng., Ken Drysdale, P. Eng., and Bill Thomas, P. Eng., with Council representation shared between Jerry Bogan, P. Eng. and Ron Britton, P. Eng. The Board has met a number of times and has dealt with matters related to Part 5 of the Manitoba Building Code, a position to the Manitoba

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The Association of Professional Engineers and Geoscientists of the Province of Manitoba

82nd ANNUAL GENERAL MEETING

Fort Garry Hotel, Winnipeg
Friday, October 12 & Saturday, October 13, 2001

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SEPTEMBER 2001

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L. Dupas, Admissions Co-ordinator; J. Reykdal, Administrative
Assistant

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H.R. Foerster, P.Eng.; J.W.P. Lengyel, P.Geo.

The Communications Committee would like to hear from you. Comments on your newsletter can be forwarded to us through the Association office. Members are also encouraged to submit articles and photos on topics that would be of interest to the membership.

Although the information contained in this publication is believed to be correct, no representation or warranty, expressed or implied, is made as to its accuracy and completeness. Opinions expressed are not necessarily those held by the APEGM or the APEGM Council.

New Members Registered May, June & July 2001

B.D. Abugov (AB)	T.J. Giesbrecht	S.K. Mondal
R.H.M. Balbaa (ON)	D.T. Gretzinger	K. Nachman (QC)
C. Beaulieu (OH)	F.K. Hashemian	B.E. Ostermann
C.L. Begg	J.R. Henry	M.B. Ozarker (ON)
E.J. Bernas (ON)	M. Jojic	C.A. Pitz (ON)
S.J.E. Biswanger	W.A. Kassian (AB)	D.W. Reid (ON)
J.A. Bouchard	D.W. Kennard (ON)	J.W. Ritenburg (SK)
M.E. Curzon (AB)	B.N. Kettner	J.B.C. Rogers
L.B. Dabek	R.E. Laviolette	C.M. Siepman
S.M. DeRaj	R.J. Lavitt	P.J. Skiba
R.H. DeRuitter (ON)	I.W.F. Lee (BC)	R. Sri Ranjan
G.W. Devine (AB)	M.S. Lennox (ON)	V. Srzic
A.J. Dutfield	P.D. Leseberg (SK)	C.M. Tellier
R.A. Dyc	S.F. Liver (ON)	J.W. Thompson (AB)
D.M. Eddie	A.F. Lukey (SK)	P.M. Tiley (ON)
C.S. Elyea (AB)	L. Mancs	J.A. Weston (BC)
L.E. Escobar	M. Mandilaras	H.S. Williams
B.A. Evans	G.W. Meyer (ON)	J.E. Yestrau
E.M. Garay	G.P. Mitchell (ON)	

Licences Issued May, June & July 2001

R.B. Atkinson (AB)	L.G. Leon (BC)	B.W. Wagner (AB)
P.D. Galloway (NJ)	B.D. Munro (AB)	R.F. Williamson (IA)
M.P. Goslow (FL)	G.V. Nagel (MN)	G.R. Wreford (AB)
T.A. Hakim (AB)	R. Nikain (NJ)	
P.J. Kelly (FL)	T.H. O'Rourke (ON)	

Members-In-Training Enrolled May, June & July 2001

S.C. Addison	R.B. Hulasare	A.R.D. Pawlikewich	E.M.B. Svendsen
S.D. Amor	M. Jurkiewicz	K.W. Pilling	C.A. Tennant
N.W. Barmeier	C.L. Keller	L.I. Potter	D.K. Tomsons
N.B. Barrett	V. Khandpur	C.W. Pronyk	L. Turabian
R.L. Barry	R.A. LeGall	S.M. Ramnath	G.A. Verch
W.R.G. Bates	M.S. Machado	M.L.B. Riediger	J.R. Vrooman
L.E. Bekeris	A. Malbasa	G.D. Robert	K.B.J. Walker
D.K.S. Booy	J.D. Mann	R.P. Sayak	L.M. Weedon
K.B. Brunham	R. Mannem	S.S. Schaerer	M.J. Wensel
B.H.P. Chao	S.C.E. McClellan	K.D. Scherbatuik	J. Yablonski
S.D. Chapman	D.K. McNeill	J.A.C. Schick	R.D. Yeamans
G.M. Desharnais	G.O. Ogilvie	S.A. Seyoum	R.B. Znidarec
P.J. Fleury	P.R. Pantel	B.N. Skanderberg	
S.H. Griffin	K.K. Park	B.J. Soriano	
A.M. Hozaima	J.T. Pattie	D.K. Stoyko	

In Memoriam

The Association has received with deep regret, notification of the deaths of the following members.

Lucy Elizabeth Bonnet

Ronald Gordon Harding

Alexander Penman

APEGM VISION

APEGM is the leader and a facilitator of the process that ensures excellence in engineering, geoscience, and applied technology for the public of Manitoba.





President's Message

Alan J. Pollard, P.Eng.

As the summer, and my term as your President, come to a close, I would like to take this opportunity to recognize the work of the people of APEGM and to thank them for their accomplishments. This has been a year of great change, and the way has not always been clear. Your Council has made strides to improve the way it operates and interacts with the staff and membership through the use of some recently developed principles of board governance. They are intended to focus the Council on being a Board of direction rather than a Board of management. Through that process, the Council focuses on developing the policies that embody the reason for APEGM to exist, namely, to administer The Engineering and Geoscientific Professions Act. One of the properties of a self-governing profession is the principle that the members of the profession have a significant effect on the way the profession is regulated. This is, of course, a two-edged sword. On one hand (edge?) we have convinced the Legislature that we can be trusted to act in the best interests of the public. On the other hand, the members of the profession must participate and make the organization work. It takes the efforts of many people to administer an Act of the Legislature. The Executive Director and the staff of APEGM play a critical role in coordinating the efforts of the committees that implement the mandate of the legis-

lation. Volunteers give their time to participate on the committees whose activities and guidance are at the core of much of the real function of the Association. Many organizations claim 'People are our greatest asset' but at APEGM, they really are.

Ultimately, the APEGM relies on its members for guidance and insight, and it is with that purpose that we fill our committees with members who have the interest and the skills to carry out a certain aspect of the process. The Act itself validates this by specifying that certain committees must exist as part of the organization. One of those committees is the Registration Committee, which is charged with deciding who is accepted into the Association as a member. This is clearly a core issue to APEGM, and the criteria for admission have evolved over the years with a focus on protecting the safety of the public by setting a high standard for use of the professional designations.

Council takes this role seriously and has formed a sub-committee of Council to review the whole registration process to ensure that its understanding of the current situation, issues and future developments is complete enough to allow it to articulate the policies that are needed to guide the registration process are complete, fair and unambiguous while at the same time recognizing the reality of the day-to-day process of admitting members.

APEGM Loses Key Staff Member

It is with both happiness (for her) and sadness (for us) that APEGM bids farewell to Admissions Co-ordinator Donna Bilodeau.

After 15 years of exemplary service to the Association, Miss Bilodeau has become Mrs. Odell and has moved on, quite literally, to greener pastures.

You will be missed, Donna. ■



Added to this is the realization that in the first year of the new millennium, increased global mobility in all the professions has brought the need to work with professional regulatory bodies in other countries to seek a common understanding of what Engineering is, what skills and experience are needed to practice it and how we are to measure those characteristics. The recent Canadian Council of Professional Geoscientists annual meeting was attended by a geoscientist from Ireland who told us that one of the local authorities with whom he works has recently adopted a set of rules for qualifying those professionals allowed to make reports. The rules are almost identical to those adopted by the Ontario Securities Commission for defining acceptable geoscientific professionals. At the same time, emerging fields of engineering and geoscience are also affecting the registration process with new requirements and new evaluation criteria. If that weren't enough, the terms Engineer-in-training and Geoscientist-in-training are now considered by many to be misleading and somewhat demeaning. So we as Council and

an Association have a significant amount of work ahead of us to come to grips with the changing demands of just this one aspect of the profession.

Other committees must also deal with changes and challenges. APEGM has seen a sharp increase in the number of appeals of the disposition of complaints we receive about the conduct of our members and also about allegations of unauthorized professional practice. We are striving to bring meaning and value to the professional designations and honour to the profession itself. Through the efforts of the many volunteers that give freely of their time and insight, we will continue to grow as a professional organization and as professionals.

Through the efforts of your councillors, APEGM will strive to accomplish the changes necessary for the adoption of the new policy-based governance while preserving the respect we all have for the tireless efforts of our volunteers. There will be an opportunity to discuss this initiative further at the upcoming AGM on October 12th. ■

Time for Collaboration!

By: S. M. Matile, P. Eng.

Last June, this Association held a special meeting to which all Engineers-in-Training, Geoscientists-in-Training, and their supervisors were invited to discuss the merits of and flaws in the Association's Pre-Registration Program.

I am pleased to report that a Member-in-Training (MIT) Committee was formed as a result of that meeting, that the Committee has already undertaken some excellent initiatives, and that many improvements have already been made to the Pre-Registration Program and its processes.

One of the most surprising – and disturbing – lessons learned from the meeting was that there is a widespread lack of communication between the EITs/GITs and their supervisors. Several EITs and GITs asked the Association to reveal the contents of their supervisors' reports. They had absolutely no idea where they stood with their employers, and were hoping that we could provide them with what would essentially comprise their performance reviews.

To help address this unfortunate reality, we are changing our process.

We have started encouraging EITs/GITs and their supervisors to collaborate in the completion of both the Progress Reports and the Supervisor Reports, and to submit them together, upon the completion of every six months of work experience. We think this will be a positive change for all concerned. Not only will it help both the supervisor and the EIT/GIT by serving as a form of performance appraisal, but it should also help streamline the process and reduce the response time on feedback to the EITs and GITs. It should also result in significant economies for the Association, fewer delinquent supervisor reports, and a reduction in the number of environmentally-unfriendly packages of information being disseminated. And who knows, it may even improve communication between EITs/GITs and their supervisors!

So, we encourage you, all you EITs, GITs, and supervisors, to collaborate in the completion and submission of your Progress Reports.

For those who are uncomfortable with this, we will continue to send the forms out separately. ■

Québec Engineer Elected President of CCPE

Pierre Boucher, ing., of Montréal has been elected President of the Canadian Council of Professional Engineers (CCPE) for 2001-2002.

A civil engineer and expert in the financing, construction and maintenance of small hydroelectric plants, Mr. Boucher is President and founder of SO-RE-PRO – a newly created Montréal-based consulting firm that specializes in energy-sector projects.

Mr. Boucher has served on CCPE's Board of Directors since 1995 representing l'Ordre des ingénieurs du Québec. He was Vice-President of CCPE in 2000-2001, and has been a member of its Executive Committee since 1999.

"We will be working closely with our member associations/ordre over the next 12 months on strategies to incorporate emerging disciplines of engineering into the profession in a timely fashion, as well as to ensure that employers, governments and engineering students continue to recognize the relevance and value of the profession's regulatory system," said Mr. Boucher.

"CCPE will also continue its communications program to make Canadians more aware of how engineers and engineering contribute to quality of life, and expand our government-relations activities to have greater input into the development

of federal policies, legislation and regulations. Internationally, our priorities include facilitating greater international mobility for Canadian engineers through the Asia Pacific Economic Cooperation (APEC) Engineer Register Project and other initiatives. It's going to be a busy and challenging year, but I am confident that we will make significant progress."

Prior to founding SO-RE-PRO, Mr. Boucher served as an Executive Assistant and Chief of Staff for a federal minister of labour and transport. His career highlights include eight years employment as Vice-President of the Montréal-based firm Innergex and two years as Senior Director of International Operations with Le Groupe Désourdy. He has also worked on various hydroelectric construction projects in James Bay, and as a senior engineer with Indian and Northern Affairs Canada.

Joining Mr. Boucher on CCPE's 2001-2002 Executive Committee are: Noel Cleland, P.Eng., the President of Cleland Energy, representing the Association of Professional Engineers, Geologists and Geophysicists of Alberta (Past-President); Hollis Cole, P.Eng., the President and CEO of ADI Group Inc., representing the Association of Professional Engineers and Geoscientists of New Brunswick (Vice-President); Robert Lorimer,



New CCPE President Pierre Boucher, ing.

P.Eng., the Principal of Lorimer and Associates, representing the Association of Professional Engineers of Yukon; and Peter Washchshyn, P.Eng., the President of ND LEA Engineers and Planners Inc., representing the Association of Professional Engineers and Geoscientists of Manitoba.

CCPE is the national organization of the provincial and territorial associations/ordre that regulate the practice of engineering in Canada and license the country's more than 160,000 professional engineers. Established in 1936, CCPE delivers national programs that ensure the highest standards of engineering education, professional qualifications and ethical conduct. ■

Press release by CCPE on May 11, 2001

edited by H.R. Foerster, P.Eng.

Canadian Council of Professional Engineers and Microsoft Corporation Agree

After discussions with the Canadian Council of Professional Engineers (CCPE), Microsoft Corporation will advise Canadian holders of its Microsoft Certified System Engineer (MCSE) certification not to call themselves engineers or use the full title Microsoft Certified System Engineer.

Microsoft's decision should prevent Canadian holders of the MCSE certification from inadvertently breaking provincial and territorial laws, which protects the public by restricting the use of the titles "engineer" and "engineering" and the practice of engineering in Canada to licensed professional engineers. It should also ensure that the engineering profession's licensing bodies will not be required to take enforcement action against MCSE holders who mistakenly use the title engineer or otherwise hold themselves out as having been qualified to practice engineering.

The engineering profession, represented by CCPE and several provincial engineering regulatory associations, met with Microsoft in Seattle late last year to explain the legal issues surrounding the use of the title "engineer" in Canada, and to ask the corporation to stop referring to holders of the MCSE credential as engineers.

"We are very pleased to have reached an agreement with the engineering profession and to support it," said Anne Marie McSweeney, the acting Director of Microsoft Certification and Skills Assessment. "It opens the door for closer cooperation among all organizations in the information technology industry and the engineering profession in Canada. As the Microsoft credentials continue to evolve, it is our goal to ensure they maintain the highest level of relevance to the industry and represent leaders in cutting-edge technology."

"We are very pleased by Microsoft's decision," said Marie Lemay, P.Eng., CEO of CCPE. "Microsoft has demonstrated corporate leadership by acting in the best

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Notice Under the Engineering And Geoscientific Professions Act and the Association's Discipline By-Law

THIS IS NOTICE that on 10 May 2001 a conviction was registered against John Scott Heuvel, formerly a professional engineer in the Province of Manitoba, on a charge of negligence in the practice of engineering, unprofessional conduct, unskilled practice of professional engineering, and professional misconduct in accordance with Section 35.1(f) of The Engineering and Geoscientific Professions Act of the Province of Manitoba. In addition, a copy of a Notice of Conviction and Penalty was placed on Mr. Heuvel's membership file, which Notice will remain on the record should he apply to reinstate his membership in the future.

The conviction is based upon his providing professional engineering services that were substandard, inadequate and incomplete, thereby failing to effectively fulfill the requirement of the engineering work undertaken, and his failure to provide adequately for the safety of the public.

This Notice is provided in accordance with Section 50 of The Engineering and Geoscientific Professions Act and Section 15.6.6 of the By-Laws of the Association of Professional Engineers and Geoscientists of the Province of Manitoba.

*D.A. Ennis, P.Eng.
Executive Director & Registrar*

Report of the Executive Director and Registrar

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Government regarding pre-purchase home inspections, and dealt with concerns raised by the Winnipeg Construction Association regarding specifications.

■ Association of Manitoba Land Surveyors (AMLS)

APEGM entered into a Memorandum of Understanding with AMLS in 1998. It established a Joint Committee that has a very similar purpose and process as those established in Legislation with CTTAM and MAA. APEGM representatives on the Joint Committee are Don Mulder, P. Eng., Jim Thomson, P. Eng., and Darwin Kupskey, P. Eng. The Joint Committee does not have an independent Chair. That responsibility alternates between the Associations from meeting to meeting. The AMLS has been seeking changes to its legislation, and the Joint Committee provides a forum for discussion as the legislation evolves.

■ Manitoba Association of Landscape Architects (MALA)

MALA does not yet operate under an Act. It began the process of seeking legislation some years ago. Given the interface of members of that profession with some professional engineers and professional geoscientists involved in the development of land and water areas and in the preservation of the environment, APEGM entered into a MOU with MALA in 1998. It is focused on clarifying the similarities and differences in the professions and developing a process, where appropriate, to foster the involvement of the professions on projects. APEGM is currently reviewing a draft of title legislation that MALA has developed.

Certificate of Authorization

The Certificate of Authorization (C of A) is a provision under *The Engineering and Geoscientific Professions Act* (the Act) which provides for a corporation which employs professional engineers and/or professional geoscientists to practise and to enter into a contract to provide professional services in its own name. Its purpose is to provide for the regulation of corporate practice (or group practice) as dis-

tinct from the regulation of services provided in the traditional sense by an individual professional engineer or professional geoscientist to the entity.

By-laws to enable the process were ratified by letter ballot in December of 2000, and the C of A provision was implemented in 2001. As of this writing, approximately 200 Certificates have been issued, and a number are in process or a-beyance.

One of the conditions of the C of A is that the entity must have professional liability insurance coverage. This requirement has brought to light issues of availability of coverage and of the costs that would be incurred by companies operating in some sectors of both engineering and geoscience. The Association has approached the Manitoba Government to seek an amendment to the Act which would allow for alternatives. While there was support for the amendment, the spring session of the Legislature ended before it was considered. It is expected that the amendment will go forward in the next session.

There continues to be discussion on the issue of just when a corporation is required to hold a C of A. In some instances it is not yet resolved. In examining the question it is necessary to consider the interface between the corporation and the consumer. The Association's position is that, if a professional engineering or professional geoscientific service is being delivered at the point of interface, a Certificate is required. It is anticipated that further consultation with legal counsel and industry will clarify the situation.

With regard to the topics of the C of A and professional liability insurance, there is a related matter about which members who provide services on an individual basis or who operate as a sole proprietorship should be aware. A sole proprietorship (i.e. not an incorporated entity) is not required to hold a C of A. However, if the sole proprietor does not have professional liability insurance coverage in the same amounts and on the same terms and conditions as are required for a Certificate of Authorization, the By-laws require that he or she must notify the client of the absence of such insurance and must, before proceeding, also obtain written authorization from each client to provide the professional services being contracted.

Software Engineering

Members who have followed this issue over the past two years in the

Keystone Professional will be aware that the Canadian Council of Professional Engineers (CCPE) initiated a legal action against the Memorial University of Newfoundland and the Association of Universities and Colleges of Canada (AUCC) over the use of the term "software-engineering" in undergraduate university programs. The legal action was terminated by agreement and a panel established under that agreement provided a recommendation aimed at resolving the dispute. The recommendation was that the parties establish a joint accreditation process for software engineering programs. CCPE forwarded a proposal on the criteria and process for such accreditation to the AUCC in March of 2001. However, that proposal has since been rejected by the AUCC and no further discussions are planned.

Relevance of the Professions

Our professions are facing a challenge in maintaining the relevance of regulation because of changing conditions in the economy and technology. There has been a discernible decline in support for registration among recent graduates. The decline is more apparent in some disciplines than others, and is mirrored by the attitude of many companies in emerging industries, particularly those without a history of a close relationship with the professions.

The CCPE has studied the issue and has recently begun an initiative, in cooperation with the Associations/Ordre, to address the causes by:

- establishing contacts with sector-based industry groups;
- refocusing the internship program;
- increasing the awareness of the professions among students;
- recognizing the value to internship of senior-level teaching of engineering sciences and design in a university environment;
- profiling engineering work in a manner that stimulates students and that it is understood and accepted by others;
- facilitating a process for mobility of professionals between provinces.

Appeal on Disciplinary Decision

As was reported last year, the Council heard an appeal by a mem-

ber seeking a reversal of an order made by the Discipline Committee. The Council upheld the decision of the Discipline Committee. The member then appealed the decision of the Council in the Court of Queen's Bench and that Court quashed the decision of the Council. The Association was then granted leave by the Manitoba Court of Appeal, which heard the matter on April 5, 2001. As of this writing the Court of Appeal has not released its judgement.

Roster

The Association has not published a "roster" since 1996, primarily because of cost and the recognition that, for many, such a publication is out of date before it can be printed. More recently, issues have arisen with respect to privacy legislation and the nature of information that can be published.

In light of these issues, the option of providing a searchable membership directory through the Association's website, which would provide limited information on members' status and employment, is being investigated.

Conclusion

Once again, the year has been one of challenges and changes. One of significance being that during the year two members of the Association staff have opted for other lifetime opportunities and have resigned. The Director of Admissions has reported on Donna Bilodeau's change. The other staffer to depart was Elaine Ryan who has handled the accounting and membership dues for many years. She too has a new partner and will be enjoying retirement while circulating between New York, Winnipeg and Florida. Together the Elaine and Donna provided 35 years of service to the Association.

Over the years I have been continually and consistently impressed with the commitment and the selfless contributions of both the elected and appointed volunteers who serve this Association. This Association has always enjoyed and benefited from the participation of persons who are neither engineers nor geoscientists, but who willingly assist in fulfilling its mandate. Last but not least, I recognize and thank the staff of the Association office for their dedication and hard work. Their "volunteer" participation on behalf of your professions is not generally recognized. ■



Director of Admissions' Report

S.M. Matile, P.Eng.

Geoscientists continued to dominate admissions activity during the past year.

As the fiscal year changed, we were still reviewing the grandparented geoscientist applications that had arrived on or shortly before the June 29, 2000 deadline.

The Geoscientist "Grandparenting" Task Force (GGTF) met five times and considered 80 applications, of which 73 were recommended for registration. It considered three appeals, reconsidered several applications based on additional information, and conducted one appeal interview. The Task Force completed its work and was disbanded in February, 2001. Thank you, Task Force members David Parbery, Raymond Reichelt, Carey Galeschuk, Don Dudek, and James Wong, for a difficult job extremely well done.

In October, thanks to Nancy Chow, Ian Ferguson and their Geoscientist Academic Task Force, APEGM adopted a policy on academic qualification for geologists and geophysicists, and a Syllabus for Geology. In February, the Task Force developed the APEGM Syllabus for Geophysics. Contrary to the recommendations of the Canadian Council of Professional Geoscientists, no syllabus was adopted for Environmental Geoscience. The Task Force recommended that Council address the issue of, and set parameters for, the scope of the term "Geoscience".

Between August 1, 2000 and June 30, 2001 (our fiscal year changed in 2001!), this Association received some 523 applications. Of these, 39 were referred initially to the Academic Review Committee for the assessment of the applicants' academic credentials, 80 were referred initially to the Geoscientist Grandparenting Task Force for consideration, and the remainder went directly to the Registration Committee.

In November, Council established a Task Force of Councillors to investigate the Association's entire registration process, and the MIT Committee met for the first time.

In November, also, CCPE finalized its revised National Admissions Guideline. This Guideline, which was printed and circulated in July, 2001, is intended to serve as a template for admissions requirements for all Canadian Engineering Associations, to help ensure mobility of engineers from province to province. APEGM's admissions practices are generally in conformance with the guideline – although there is some work to be done – particularly in the area of academic requirements.

In March, an updated Manual of Admissions and a delineation of Council/Board/Committee responsibility for Admissions policy were finally adopted. The Manual generally conforms to the National Admissions Guideline.

May 1, 2001 was the "grandparenting" deadline for the submission of past work-experience by Geoscientists-in-Training (GITs). Not only did this attract a number of GIT applications with copious documentation of past experience, but it also resulted in the receipt of a number of applications for the assessment of geoscience credentials. Some of these assessments are still in process.

May 1, 2001 was also the date on which I presented a brief to a Federal Government Committee on behalf of the engineering and geoscience professions regarding the proposed Bill C-11. This proposed immigration law has the potential to diminish the role of self-regulatory professions such as ours in the area of immigrant credentials.

In May, 2001, an Inter-Association Mobility Agreement for Geoscientists was signed. This agreement very closely resembles the Engineers' mobility agreement. It provides a "fast-track" process for Geoscientists registered in one jurisdiction to register in another. Like the Engineers' Mobility Agreement, however, it contains a "Notwithstanding" clause, which allows individual Associations to over-ride the "automatic"

nature of the agreement. Most Associations, for example, will be requiring their applicants to have written the Professional Practice Examination.

As we reached the end of the fiscal year, we still had not commenced with the updating of the operations manuals for the Admissions Review Committee or the Experience Review Committee, or the development of an operations manual for the Registration Committee. Hopefully, this coming year...!

As we reached the end of the fiscal year, also, Donna Bilodeau, our Admissions Co-ordinator, after 15 years of exceptional service to the Association, had found the man of her dreams and announced that she would be marrying him and moving to Glenora, Manitoba. Words cannot express how grateful we are to you, Donna, for your outstanding contribution to the operation of APEGM. And words cannot express just how much we're going to miss you. But we wish you all the very best in your new life, and hope that Bill appreciates you as much as we have!

Fortunately, we have Lorraine Dupas, who will take over the Member-in-Training/Experience Review aspect of admissions, while Jennifer Reykdal will provide support in all other areas of admissions. Thank you, both, for your considerable support to date, and for your excellent work during the past year. And thank you, Joan McKinley, for your continued outstanding service to our Academic Review Committee and our examination candidates.

This Association is fortunate to have such a reliable, dedicated staff. ■

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Women's Action Committee

B.A.K. Danielson, Chair

Members

C. Geddert
R. Hutchinson
L. McFarlane
M. O'Laughlin
E. Swatek



The most important news for our committee this year is that we have a new name!! Since the membership of APEGM includes more than engineers, we decided that *Women in Engineering Advisory Committee* was no longer appropriate. Our mandate is to take action on issues concerning women in the Association so we became the *Women's Action Committee*.

The CCPE Board of Directors approved the Women in Engineering policy in September 2000. In February 2001, I attended the Second National Women in Engineering meeting in Ottawa to develop an implementation plan for the policy. The participants of the meeting included the various associations/ordre, the Women in Engineering NSERC Chairs, the CFES, the ACEC, and the NCDEAS. The three-year imple-

mentation plan was approved by the Canadian Engineering Resources Board on April 20, 2001, and by the CCPE Board of Directors on May 24, 2001.

Meghan O'Laughlin continues to represent our interests on the national scene through involvement with the Canadian Coalition of Women in Science, Engineering, and Technology (CCWEST). Currently, the main activity of this organization is their participation in the 12th International Conference of Women Engineers and Scientists that will be held in Ottawa in July 2002. The conference theme is *Women in a knowledge-based society*.

Our committee was very pleased to nominate Carol Roberts, P.Eng., for a YMCA-YWCA Woman of Distinction award this past May. All of the nominees had made impressive contributions in their respective fields and the engineering community can be proud of Carol's unique and outstanding achievements. Congratulations, Carol!!!

Special thanks to Elan Swatek who stepped down from the Chair position after four years of service and for continuing to serve on the committee. Thanks to all committee members and the APEGM staff for their involvement in the activities of the Women's Action Committee over the past year. We would also be happy to have representation from the geoscience community, so if you're interested please contact the Association office. ■

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Experience Review Committee

J.D.G. McInnis, Chair

Members

- D.T. Anderson
- C.R. Bouskill
- V.M. DeWiele
- D.S. Jayas
- I.J. Montufar
- R.A.S. Reichelt, (Vice-chair)
- G. Schaub
- A.D. Silk
- P.V. Stanus
- C.L. Stewart
- C.D. Torpey
- V.S. Walkes



The Experience Review Committee has had another busy year with a number of new initiatives and accomplishments, along with reviewing approximately 1,000 submissions from Members-in-Training.

The mandate of the Committee is to review the work experience, professional service, and professional-development activities of Members-in-Training to ensure that they meet the registration criteria of the Association.

The Committee is comprised of 13 members who meet monthly. In the last year we welcomed two new members - Guenter Schaub, P.Eng., and Jeannette Montufar, P.Eng. - and said goodbye to two members - Eric Willms, P. Eng., who has moved on to other APEGM initiatives, and Chris Roney, P.Geo., who has left the Province.

There were a number of highlights this year that should be mentioned in this report.

- The establishment of the Member-in-Training subcommittee has provided the Committee a whole new perspective on how and why we do our work. Under the direction of Fariborz Hashemian, this subcommittee of the ERC has been looking at every aspect of the registration requirements from the perspective of the Member-in-Training. Its members certainly have a lot of energy and are not afraid to tackle any issue.
- The ratification of the Admissions Manual by the Admissions Board has provided the Committee the opportunity to move forward with updating of the Experience Review Manual. A subcommittee of the ERC has been established, and work on this will be commencing shortly.
- As any good organization does, the Committee spent time reviewing the policies

and practices that have been used to determine if a candidate is ready to practise engineering or geoscience in Manitoba. A number of issues are under review and it is quite likely that a few changes will be forthcoming shortly.

The Committee members worked extremely hard in making all of this happen and I would like to congratulate them on a job well done and thank them for their exemplary volunteer effort.

I would also like to thank Shirley Matile, P.Eng., for all her assistance during the past year. A special thanks to Donna Bilodeau who has provided administrative support to the Committee and is, unfortunately, now leaving the employ of APEGM to enjoy life in rural Manitoba. Without the professional and committed efforts of both of these individuals, the Committee would not have been able to achieve the results it did. ■

Practice Standards Committee

F.L. Nicholson, Chair

Members

- M.S. Anderson
- K.G. Bolton
- A.G. Degner
- I.R. Dewer
- E. Ferbers
- M.J. Frye
- J.G. Hayles
- E.I. Lexier
- R.N. McPhail
- D.G. Mulder
- R.H. Payne
- B.J. Rossen
- T.L. Stratton



- J.A. Thomson
- D.I. Waldman
- E. Weiszmann

The Practice Standards Committee has met nine times over the past year to continue development of practice standards in the following areas:

New standards:

- Professional Practice Guidelines
- Guidelines for the Development of Mechanical and Electrical Services for Buildings
- General Review of Construction
- Guideline on Commissioning
- Guideline on Duty to Report
- Guidelines for Technical Review of Engineering and Geoscientific Work of Others

Updates to Current standards:

- Guide to the Engagement of the Consulting Professional Engineer and Geoscientist

- Guide to the Ethical Use of the Seal (Including use of electronic seals)

Most of the guidelines are in the final draft stage and will be incorporated into the Professional Practice Guidelines document in order to ensure consistency of style, format, and content. As part of this process, a non-technical review will be carried out this fall.

The Duty to Report draft guideline resulted in changes to the Code of Ethics in November of 2000, which provided clarification of a professional's responsibility to report unsafe conditions both on projects for which he or she is professionally responsible and those which involve other practitioners.

Four guidelines were dropped from last year's list. The guide to the Engagement of the Consulting Engineer and Geoscientist will become a joint project between APEGM and the Consulting Engineers of Manitoba, with the new committee being formed in September. Included in the project will be a new guideline for fees. Standards Required under the Report of the Building Envelope is being addressed by the Engineering, Geoscience and Architecture Inter-Association Relations Joint Board who have responded to a proposal from the City of Winnipeg. Provision of Design-Build services and Manual of Good Practice for Land Surveyors were deferred in order to focus on the remaining guidelines.

I wish to thank the members of the Committee for their wisdom and dedication to this worthwhile project. It has been a pleasure to work with them. In addition, the Committee very much appreciates the first-rate support that Dave Ennis and his staff have provided. ■

Sports and Social Committee

M.E. Baril, Chair

Members

- C.J. Berkis, Vice Chair
- B.R. Coreau, Scribe
- J.F. Lavergne
- C.N. Perrett
- M.C. Rowbotham



Over the period from September 2000 to June 2001, the Committee has met six times.

The purpose of the Sports and Social Committee is to organize and conduct sporting and social events as venues for member interaction and networking. The Committee helps to promote pride in, and a sense of belonging to, the professions. This past year the Committee organized the following activities:

- Annual fall golf tournament at St. Boniface Golf Club on September 12, 2000, using an individual-ball format.
- Annual spring golf tournament at Selkirk Golf & Country Club on June 13, 2001, using a best-ball format. Thank you to all organizations that sponsored holes and donated prizes. Your continuing support is greatly appreciated.

This fall's golf tournament is scheduled for September 13, 2001, at Kingswood Golf and Country Club, while the 2002 spring tournament's venue has yet to be confirmed. Please feel free to contact any member of the Committee to voice concerns about the current golf tournaments, and/or to discuss possible new activities.

The Chair thanks all Committee members and would like to welcome Craig Rowbotham. Thank-you to retired member Jamie Pereira for his time on the committee. ■

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Investigation Committee

I.H. McKay, Chair

Members

D.E. Cross
T.H. Gillman
R.P. Hoemsen
S.I. Kulbaski
E.I. Lexier
W.M.A. McDonald
H.A. Milne
(*Lay Member*)
J.B. Smith
R.C. Somerville
J.A. Terris
S.L. Ursel
A.E. Ball (*Councillor*)



Over the last year the committee held nine meetings. In addition, numerous sub-committee meetings were held to review the various complaints, concerns, and questions received. A total of 26 files were reviewed; of these 11 were carried over from the previous year and 15 were new.

The present status of these files is that 12 are on-going and the Committee has dismissed 12. Of those that were dismissed, four were appealed to the Council under section 36(1) of the Act.

The complaints that were not dismissed were dealt with under section 35(1) of the Act which provides that, with the written consent of the investigated person, the Committee can formulate a charge, register a conviction, and impose any penalty that the discipline committee could have imposed. Under that process, one reprimand was issued with a condition that the member's professional practice be subject to inspection at the member's expense for one year, and one member was found guilty of negligent practice, unprofessional conduct, unskilled practice and professional misconduct subsequent to his resignation from the Association. No complaints were referred to the Discipline Committee.

Of the complaints/questions considered:

- 12 resulted from situations where a professional engineer was concerned with the practice or conduct of another member.

- 14 complaints resulted from concerns of various agencies and individuals over the conduct of professional engineers. Six of these involved design and/or inspection of single- or multiple-family residential properties.

The committee is continuing to explore the Mediation process, with the thought that, in some cases, this process might be more expedient than a formal investigation, especially in disputes between members.

The Committee thanks Dick Johnson and Warren McCulloch for their lengthy, conscientious, and valuable service as members of the Committee. They left the Committee at the end of 2000. Dennis Hodgkinson also took a leave-of-absence at that time. The Committee welcomes Bert Smith and Rick Somerville who began their service during the spring of 2001. Another transition occurred when Bill McDonald stepped down from the Chair in December. The committee wishes to acknowledge the leadership that Bill has provided to the committee during the past eight years. He continues to provide his insights as a regular member of the Committee.

Support staff, as in the past, has provided willing service assisting with the numerous files before, during, and after normal working hours. The dedicated efforts of Loraine Dupas, Charlie Bouskill and Dave Ennis have helped the committee to function in an effective, efficient manner. ■

The Investigation Committee is involved in the investigation of complaints and concerns received from both the public and members of the Association, and also provides advice relative to questions regarding professional conduct. The actions of the committee are conducted under the authority of Part 9 of *The Engineering and Geoscientific Professions Act* and are supplemented by the Association's By-Law 15 and the *Code of Ethics for the Practice of Professional Engineering and Professional Geoscience*.

Professional Development Committee

H.M. Turanli, Chair

Members

S. Anand
B.G. Bettess
R.J. Bruce
T.J. Cornell, *Vice Chair*
V.L. Dutton
W.T. Jackson
G.S. Lodha
D.B. McKibbin
D.R. Swatek
M.B. Tokarz



During the past year, the Professional Development (PD) Committee has primarily been involved with:

- Organizing PD Breakfast and Lunch Meetings
- Organizing a Management Seminar
- Participating in the Annual General Meeting (AGM) – Professional Development Conference Task Force
- Advising on the PDNETWORK development.

The PD breakfast presentations continued this year as in the past and we also introduced new lunch-time presentations in order to offer an alternate time of day and venue. The following topics were presented in these PD presentations:

- Tour of Manitoba Hydro System Control Center by Lyndon Miller, Manitoba Hydro,

- *Managing the City of Winnipeg's Infrastructure* by Aubrey Hope, P. Eng., The City of Winnipeg,
- *The Electronic Commerce and Information Act* by Lynn Romeo, LL.B., Department of Justice,
- *Water Quality in Manitoba* by Laurie Frost, P. Eng., Manitoba Conservation,
- *The Engineer as an Expert Witness* by Richard Swystun, LL.B., Scurfield Tapper Cuddy,
- *Devil's Lake Outlet and Related Garrison Projects – the Manitoba Perspective* by Dwight Williamson, Manitoba Conservation,
- *MTS Next Generation: DSL Nothing New!* by Roy Sherbo, P. Eng., Manitoba Telecom Services,
- Tour of Pauwel's Plant by Jim Nielson, P. Eng., Pauwel's Canada,
- *Assessing the Need to Treat Winnipeg's Water Supply* by Duane Griffin, P. Eng., The City of Winnipeg,
- *Pavement Engineering: Challenges, Innovations and Opportunities* by Dr. Ahmed Shalaby, P. Eng., University of Manitoba,

We also organized an evening presentation in cooperation with Canadian Institute of Mining Geology Branch. The topic of this presentation was:

- *Standards of Disclosure for Mineral Projects* by Deborah McCombe, P. Geo., Ontario Securities Commission,

The PD Committee also organized, jointly

with the IEEE Winnipeg Section, a one-day workshop on:

- *Sharpening your Written Communication Skills* by Ron Blicq, RGI International

Planning is underway for several breakfast meetings this fall. Suggestions for topics for future PD presentations are always welcome and may be made to any PD Committee member or the APEGM office.

A Management Seminar is being planned for Friday, December 7th, 2001. This will be a full day of presentations by expert speakers on the topic of Managing Business Evolution.

The PD Committee also actively participated in developing and organizing a PD Conference at the 2000 AGM through the Annual General Meeting Professional Development Task Force.

The PDNETWORK was an initiative of the PD Committee to work with other technical and management organizations to publicize each others' PD activities and to offer as wide a range of PD opportunities as possible to each others' members. The PDNETWORK now has been implemented and maintained by APEGM staff; it is accessible through the APEGM web page. Details of geoscience-related information have been added this year to the APEGM web page under the title Canadian Geoscience Council.

During the year, Greg Hamilton left the committee in order to take on other duties.

The committee wishes to recognize and thank Ken Buhr and Lorraine Dupas for their ongoing support and assistance. ■

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Safety in Engineering Practise Committee

F.A. Roberts, Chair

Members

- M.S. Anderson
- D. Beacham
- D.N. Burney
- D.E. Cross
- A.O. Dyregrov
- M.J. Frye
- G. McCaughy
- P.T. Sims
- R.D. Stark
- J.V. Weizmann



Safety is fundamental to engineers when planning, designing, constructing or inspecting a work. Achieving safe designs which benefit the public and protect their well-being requires diligence at each step from initial concept to final verification. Communication between all involved is necessary to determine where risk may be present.

Problems occur in design, construction or operation when risks are present of which an engineer is not aware or inadvertently overlooks. The intent of the committee is to bring to the attention of APEGM members and/or members of the public, information on risks which may be newly developing or not apparent.

The committee is representative of a large cross section of disciplines and industry sectors and is further broadened by the assistance of members serving on subcommittees investigating specific issues .

The following are highlights of issues coming before the main committee and subcommittees.

Teleposts in Residential and Light Commercial Buildings NBC Part 9

The development of long span, manufactured joists and beams has allowed a great deal more flexibility in designs for small buildings. A weak link is often the use of "off the shelf" teleposts which may not have adequate capacity for the larger loads.

The committee discovered that Part 9 of the National Building Code does not fully deal with this issue and the committee prepared a notice to APEGM members to be wary of overloaded teleposts.

SEPC has forwarded a recommendation to the NBC Part 9 technical committee that the code section be updated to deal with the range of framing systems now available.

Building Water Services Failures

Ian Kelly brought to the attention of SEPC concerns over a trend of failures in water-supply piping systems servicing buildings. Corrosion in pipe and threaded rods for connecting pipe sections has been responsible for a number of massive

water leaks particularly where large systems provide fire protection.

At greatest risk are buildings with piping installed in the 1960's or earlier. SEPC issued a bulletin warning engineers of the risks, the potential for property loss and interruption to fire-protection systems should a major leak occur.

Engineers are advised they should recommend preventive action or investigations to avoid such losses.

Changes in Electrical Inspections by Manitoba Hydro

SEPC had an opportunity to dialogue with Manitoba Hydro on proposals to eliminate some electrical inspections performed by Manitoba Hydro staff and to qualify contractors to perform inspections on their company's own work.

SEPC provided a brief to Manitoba Hydro indicating concern for the potential of reduced quality and safety of electrical installations.

Engineers should ensure that adequate inspection is performed on the electrical installations for which they are responsible.

Use of Fire Hydrants as Cleanouts on Low-Pressure Water Mains

SEPC continued investigating the practice of placing fire hydrants as cleanouts at the end of low-pressure water mains.

SEPC believes there is a danger associated with a fire hydrant which has the appearance of providing fire protection but is not connected to a system which will provide the necessary water supply.

The committee has determined this is not dealt with in present codes or regulations and is contacting authorities to ask that adequate changes be introduced.

Changes to Provincial Guidelines for Design of Scaffolds

SEPC participated in the 1996 review of the guideline prepared by the Province of Manitoba. The guideline covers design/erection and use of temporary scaffolds.

Recent changes to the guidelines were discussed by the committee and a notice to APEGM members was published describing the requirements for engineering design of all covered scaffolds exceeding 7.5 m in height. Inspections must be performed by the designer and reports maintained on file at the work site.

Engineers designing scaffolds must advise their clients that every time a scaffold is relocated it must be re-inspected.

Membership concerns

The committee requests that members who become aware of safety issues bring them to the attention of the committee by way of the chairman or registrar. Matters will be dealt with in confidence where requested.

The Committee

The committee functions because of the generous support of its members offering their time and commitment to the profession. I want to express my thanks to all who have served on the committee and various subcommittees.

On behalf of the committee, I would like to thank Dave Ennis for his continuing support of the work of this committee. ■

Emerging Issues Committee

D.R. Strang, Chair

Members

- I.T. Blakely
- A.S. Chadha
- R.J. Hamlin
- E.E. Lach
- E.A. Speers
- B.R. St. Amant
(vice-chair)
- J.B. Thorsteinsson



The purpose of the Emerging Issues Committee is to facilitate awareness within the Council through the Issues Awareness Board of emerging issues germane to the practices of engineering and geoscience or that could impact the mandate of the Association.

The Committee reports to Council through the Issues Awareness Board. The Committee met nine times during the past year. As the mandate of the committee has recently changed (formerly, the Committee's main activity was to host luncheon seminars), the committee has been working to developing a modus operandi for its new role.

Over the last year, we have spent considerable time identifying relevant issues for consideration. We have come up with a diverse set of topics ranging from the use of an electronic seal to "genetic engineering" to issues of pollution and water quality. For some of the issues (notably, the issue of the use of the electronic seal), the Committee has been compiling extensive background information. However, it has become obvious to the Committee that the number of potential issues for consideration far outstrips the Committee's available resources. Therefore, we have also worked on a rational strategy for prioritizing the topics through the use of a decision matrix.

The Committee is now in the process of identifying two or three high-priority topics for more detailed investigation.

I would like to thank the committee members for their enthusiasm and their valued and varied contributions to the work of the Committee during the past year. Also, on behalf of the Committee, I would like to extend sincere thanks to Dave Ennis and other APEGM staff for all their support during the year. ■

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Academic Review Committee

B. Stimpson, Chair

Members

K.M. Adam
S. Balakrishnan
E. Bridges
D.G. Chapman
N Chow
I. Ferguson
D.S. Jayas
W.M. Kinsner
R.J. Partridge
D. Polyzois
R.W. Menzies
H.M.H. Soliman



The Academic Review Committee (ARC) assesses the academic credentials of all applicants for registration who are graduates of neither engineering programs accredited by the Canadian Engineering Accreditation Board (CEAB) nor geoscience programs recognized by APEGM. In either case, the ARC endeavours to ensure that everyone registered with the Association has attained a level of education at least equivalent to that obtained by graduates of CEAB-accredited programs (for engineering applicants) or of comprehensive four-year Honours or Specialist geoscience programs (for geoscience applicants).

Geoscience Issues Task Force

C.R. Galeschuk, Chair

Members

A. Aubut
K. Costello
R.A.S. Reichelt
G. Young
D.V. Ziehlke



This is the first year for the Geoscience Issues Task Force. We have met three times this year. The Task Force was established to deal with issues that are of concern to the geoscience community. The members of this Task Force represent a broad cross-section of the geoscience community across Manitoba.

The Task Force has adopted the following as their objective:

"To facilitate awareness of geoscience issues and to promote communication between professional geoscientists, professional engineers, related groups, and the general public."

To date we have dealt with issues and questions generated among ourselves but the Task

The ARC uses the degrees, transcripts, syllabi and other information submitted by the applicants to determine whether, and which, technical examinations should be assigned. For engineering applicants, the examinations are selected from 17 syllabi prepared by the Canadian Engineering Qualifications Board, another committee of the CCPE. Joan McKinley, the Secretary to the ARC, arranges for the preparation of the examination papers and organizes the examination sessions. The ARC monitors the progress of candidates who have been assigned examinations, evaluating their performance on these examinations until the committee is satisfied that the applicant is academically qualified for registration. The ARC also establishes the date of academic qualification, which impacts on the acceptability of some of the work-experience of the applicants. During the year 14 applicants completed their assigned examinations and were then considered academically qualified.

In the past year the ARC assessed 39 applicants (30 engineering applicants and nine geoscience applicants), assigning a total of 109 examinations. The committee also considered four appeals on various grounds.

Last year the ARC established a trial oral-examination process which it conducted for two candidates. After consideration of the benefits and problems associated with this process, the ARC decided to only use oral examinations where the candidate was unable to write exams.

Force welcomes feedback from the membership as it was created to address issues that arise from the membership of APEGM. Some of the issues that were discussed were documented and sent to the geoscience membership. Briefly, the issues addressed to date have been:

- Purpose for Geoscientists to be registered with APEGM
- Qualified-persons issue
- Geoscience reporting
- The need to also have Mining Analysts fulfill a qualified-persons profile for the purposes of the security commission
- Human-resources gap with respect to experienced geologists
- Incidental Practice
- The increased need to foster and enhance communication between geoscientists and other professionals

We thank Don Dudek and Dave Ennis for creating this Task Force. The meetings of the Geoscience Issues Task Force are attended also by Dave Ennis. He has been a great source of ideas and support in regard to any issues that are generated. The newest individual to join our team is Kimberly Tait, who is a GIT and is taking minutes for us.

We look forward to having a great upcoming year and to serving our role within APEGM. ■

This year the ARC reviewed and provided comments on CCPE and CCPG (Canadian Council of Professional Geoscientists) documents relating to qualifications for registration of both engineers and geoscientists. The CCPE documents are essentially complete and the ARC will shortly be undertaking a major rewrite of its procedure manual to bring the APEGM practices closer into alignment with the other Canadian associations. In the geoscience area a national syllabus is not yet complete but the APEGM has adopted syllabi for geology and for geophysics which should be close to the final national syllabi.

I want to thank the ARC members for their conscientious work dealing with difficult and unique situations. As a Committee, we learn from each case and attempt to use that information to improve our work. I also wish to recognize the dedicated and very supportive work of Joan McKinley, who handles the administrative work of the committee and of the examination process.

Doug Chapman was Chair of ARC throughout the year with the exception of the last meeting when I became the new Chair. Doug has been an exemplary leader and has guided the Committee with patience, wisdom and good humour. On behalf of the Committee, I thank you for your dedication, Doug. ■

Nominating Committee

J. R. Hosang, Chair

Members

M. G. Britton
D. P. Dudek
L. R. Ferchoff
K. J. Lau
I. H. McKay
A.J. Pollard
E. S. Swatek
H. M. Turanli
P. Washchysyn



It is an often-quoted truism that APEGM is only able to carry out its legislated mandate because of the quality and quantity of volunteer work carried out by the Association's various committees. The populating of all committees is the responsibility of the Nominating Committee which works from a database of members who have indicated a willingness to volunteer, and the areas in which they would like to be involved.

The annual, and perhaps most significant, committee activity was the recruitment of a list of candidates who would let their name stand for election to Council in October 2001 to fill four engineering and one geoscience positions. Approximately 25 individuals were approached in this process. At the time of preparing this report, the candidates were preparing their platforms for the election.

A healthy committee-system is one of that regularly turning over membership to involve new people with new ideas, and to allow those who have served for a number of years to have a

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Registration Committee

K.J.T. Kjartanson, Chair

Members

- J.W. Campbell
- T. Gouldsbrough
- D.G. Osman
- T. Sellen, (*Lay Member*)
- A.H. Permut, (*Acting Liaison Councillor*)
- A.J. Poetker, (*Liaison Councillor*)



The primary responsibility of the Registration Committee is to register members of the Association. This duty is carried out within the policies of Council as laid down in the Association Manual of Admissions. The Committee reviews credentials of candidates and relies on recommendations from the Academic Review Committee, the Experience Review Committee and Association staff in making decisions. Additional responsibilities of the Committee include the consideration of appeals against decisions of the other Committees and the staff, and the review of registration-related issues and provision of recommendations respecting the same to the Admissions Board, the Executive Director, and the Council.

The Registration Committee was, once again, very busy during 2000-2001. In this period, the Committee held 12 regular meetings and one special meeting and heard two appeals. Insofar as statistics are concerned, during this past year: 157 EITs and 13 GITs were enrolled, 90 engineers were registered under the Mobility Agreement, 20 geoscientists were registered under the "transfer" provision of the "grandparenting" criteria, 151 members (76 EITs, two GITs, and 73 "grandparented" geoscientists) were registered for the first time, 36 licences to practise engineering in Manitoba were issued to non-resident Canadian and U.S. engineers, six reinstatements were approved, and 14 Academic Review Committee recommendations were verified. In addition, the Association discontinued its non-resident category of membership, and two non-resident engineers applied for and were reverted to practising status. It should be noted that several applications were not initially approved by the Committee for a variety of reasons, but additional information usually resulted in subsequent approvals. The two appeals heard were against decisions of the Experience Review Committee, one of which was denied and the other of which was partially granted. The Council heard one appeal against a decision of the Registration Committee respecting an appeal against an Experience Review Committee decision. Council denied the appeal.

During the past year, the Committee has continued to work closely with the Admissions Board, the Academic Review Committee, the Experience Review Committee, the staff, and Council to ensure that registration procedures are

appropriate. Where necessary, recommendations have been made to the Admissions Board, the Executive Director or Council respecting proposed changes to the Manual of Admissions and/or the Committee's Terms of Reference. It is intended that an Operations Manual be developed to assist the Committee in the carrying out of its duties.

In addition to its baseline work, the Registration Committee also reviewed and made recommendations respecting several registration-related issues. The Special Meeting of the Registration Committee involved the review and provision of recommendations respecting the new Manual of Admissions, which was finalized and approved by the Admissions Board for use during the year. The Committee also reviewed the draft CCPE National Admissions Guidelines; dealt with a registration-related refund request; is dealing with the Temporary Licensure issue; agreed that the Executive Director should handle the issuance of Certificates of Authorization; discussed the dual-registration issue; reviewed and provided recommendations respecting the CCPG Proposed Agreement on Mobility of Professional Geoscientists within Canada; reviewed and provided recommendations respecting a proposed APGO bi-lateral agreement; is dealing with the citizenship/legal-right-to-work issue; and reviewed and provided recommendations respecting the CCPE Software Engineering Experience Guide and proposal respecting accreditation.

Various other miscellaneous tasks were also undertaken.

The Committee membership has changed over the past year. The Committee was saddened by the loss of Bill Newton who passed away on September 11, 2000. Bill's wit and keen sense of humour has been missed at the meetings. Arnold Permut has been serving as Acting Liaison Councillor while Alf Poetker recovers from illness. Dave Waldman and Rudy Schilling resigned from the Committee while Tom Gouldsbrough was welcomed to the Committee. Dave, who has served on the Committee (formerly the Registration Board) since its inception and, prior to that, on the Admissions Review Board, is particularly thanked for his many years of service to the Association. Jim Campbell also resigned effective the end of this period and will be replaced by Carey Galeschuk. Thanks for your help in bringing the Geoscientists into the Association, Jim. The Chair has appreciated the on-going enthusiasm and dedication of all the Committee members over the past year. The Committee wishes to recognize and thank Shirley Matile, P.Eng., Donna Bilodeau, and Dave Ennis, P.Eng., for their on-going support and assistance which has, once again, proven to be invaluable. Donna, who left the organization this summer, is particularly thanked for her many years of help to the Committee. ■

Discipline Committee

R.E. Scouten, Chair

Members

- L.R. Ferchoff
- G.L. Greasley
- R.A. Kane
- D.M. Kilgour
- B.R. King
- W.C. Lee
- A.M. Lohse
- J. Lyons
- P.J. Mignacca
- G.A. Morris
- D.G. Osman
- D.N. Spangelo



This was a stand-by year for the Discipline Committee – there were no Hearings. Although complaints were made to the Association against members and engineering organizations, most were due to misunderstandings on the part of the complainants and most written complaints were dealt with through the processes of the Investigation Committee. In other cases, explanations provided by Dave Ennis and his staff have satisfied the complainants. Their knowledge of The Engineering and Geoscientific Professions Act (the Act) and the Code of Ethics and their experience with issues raised in the past are most important in the early process of nipping a misunderstanding in the bud.

Written and oral complaints that have legitimacy are referred to the Investigation Committee where complaints are dealt with in accordance with the Act. It is only when a complaint is unresolvable within the mandate of the Investigation Committee that the matter is brought forward as a formal charge to the Discipline Committee.

In other cases when a complaint is to be disposed of with the written consent of the member, a representative of the Discipline Committee is called upon to approve the proposed penalty. The Committee was involved in one such complaint on that basis over the past year.

When a formal charge is forwarded to the Discipline Committee, again acting in accordance with the Act, it strikes a panel, typically of three, to hear the case as presented by legal counsel for the Investigation Committee and by the defendant or legal counsel and to come to a decision. Decisions and orders of the Discipline Committee are appealable to our Council.

The Committee views the fact that there have been no Hearings as a positive development and hopes that it becomes a trend. In the interests of fostering that development, members are encouraged to read the Act and the Code of Ethics as well as the many book and Internet references to the subject of ethics and to discuss its many interesting aspects. Questions can be put to the Staff and to the committees with no undertaking that all of the answers will be flawless. ■

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Legislation Committee

D.N. Spangelo, Chair

Members

W.M. Burbidge
D.G. Ford
M.B. Gordon
R.M. Gordon
J.S. Hicks
R.A. Johnson
S.A. Mailey
J.E. Reimer
P.V. Remillard



The purpose of the Legislation Committee is to prepare and/or review proposed changes to The Engineering and Geoscientific Professions Act, the By-laws and Code of Ethics for purpose, consistency and clarity. It also maintains a watch on legislation which may affect the practice of engineering in the Province of Manitoba. The committee is responsible to Council through the Issues Awareness Board.

This year the Legislation Committee has been involved in the following:

- By-laws were passed at last year's Annual General Meeting (AGM) to implement the Certificate of Authorization (C of A). These were required by the Act to allow entities to practise Professional Engineering and Professional Geoscience in the province. Applications sent out to numerous entities are being received and processed.

- The committee has reviewed some changes proposed by the Manitoba Association of Architects (MAA) to their act. APEGM has noted a number of concerns with their proposal to the government. To date, the proposals have not been sent to the legislature for consideration.
- The Act's existing requirements of professional liability insurance coverage, required by the C of A, is under review by the legislature. It is hoped that the Act can be amended to allow for more flexible and appropriate insurance coverage for specific entities, which are not eligible for traditional coverage.
- The committee has also been reviewing By-law changes with respect to Council's adoption of Policy Governance, Secondary Liability Insurance for all members and an oral-hearing option in the discipline section. It is hoped appropriate By-laws can be presented and considered for amendment at this year's AGM.
- The computer program developed to tally last year's Council elections, based on the existing manual proportional-voting process, worked very well. Scanning of hard-copy ballots is to be integrated into this year's voting process.

I would like to thank all Legislation Committee members, both existing and past, as well as Dave Ennis and other APEGM staff for their contributions and efforts over the last year. ■

Salary Research Committee

E.G. Parker, Chair

Members

W. Czynryj
J.W.P. Lengyel
A.M. Mian
I. Mikawoz
G.R. Norberg
S. Quigley
W.B. Todd
J. Wong Li

(Statistical Analysis)



To satisfy our objective of providing salary information for use by the public and Association members, the Salary Research Committee conducted its annual employer salary survey this spring. In addition, an employee survey was completed in April. The results are posted at the APEGM web site at www.apegm.mb.ca.

This year our employer survey had an increase in both employers participating and the number of employees represented by the survey. For the employee survey, we received responses from 24% of the members. The members reported an average increase of 3.6% in base salary for the year ending December 31, 2000.

The base-salary increases were higher this year in the public sector as compared to the previous year where average increases were almost twice as high for private versus public sector.

This year the committee adopted the job classification guideline of the Association of Professional Engineers and Geoscientists of Saskatchewan. The new guideline maintains the same point system but uses generic wording and includes job references for both engineer and geoscientist work-activity.

The committee reviewed feedback received from the previous surveys and made changes to the survey including adjustments to the industry sector and job-function sections to reflect geoscientist activity. As well, the short form of the job-classification guideline was included as part of the survey form which reduced our cost and simplified the format for the respondents.

Thank you to the members who completed our survey and special thanks to those employers who provided their corporate salary-data to the committee. Many thanks to the committee members for their efforts this year and to Dave Ennis and Joan McKinley for their continued support. ■

Meetings Committee:

D.A. Ennis, Chair

Members

J.C. Begin
M.T. Corkery
M.J. Coyne
S. Kass
R.R. McKibbin
K.J. Puckall
H. Yogendran
D.P. Zilinski
J.R. Hosang,

Past President
A.J. Pollard, *President*



Over the period from September 2000 to June 2001, the Committee has met six times.

During this time it has arranged and facilitated:

- the 2000 Annual General Meeting and Professional Development Conference on October 27 and 28, 2000;
- a reception for the presentation of Awards and Certificates of Registration to new members on March 6, 2001, during National Engineering Week.
- made arrangements for the 2001 Annual General Meeting and Professional Development Conference.

The Committee is very appreciative of the work of the Task Force chaired by Joe Begin, which arranged the professional development sessions held on October 27th. Nearly 100 people attended the sessions and the feedback was positive. Joe's Task Force, comprised of Said Kass, Hilmi Turanli, Bob Bruce, Tim Corkery, Trevor Cornell, Ninel Gonzales and Paul Newsham, is arranging another session for October 12, 2001, as part of this year's Annual Meeting.

The 2001 Annual General Meeting will be held at the Fort Garry Hotel on Broadway Avenue in Winnipeg on October 13, 2001. This year, as in prior years, members from the Chapters at Thompson, Flin Flon/The Pas (Kelsey) and Brandon (Westman) will be connected to the business meeting through video-conference facilities. The conference program is available through the AGM web page at <http://www.apegm.mb.ca/agm2001/agm.html>. The speaker at the Annual Meeting luncheon on October 13th will be Dr. Billy V. Koen from The University of Texas at Austin who is an internationally recognized expert on the theory of engineering design and the engineering method.

The Committee appreciates and acknowledges the contributions of Joan McKinley and Ken Buhr to its operations. ■

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Member-in-Training Committee

F.K. Hashemian, Chair

Members

- S.X. Arkia
- K.H. Mathers
- C.S. Silverman
- R.D. Stark
- B.D. Wilcox



The Member-in-Training Committee (MIT Committee) was established in November 2000 by a motion of the Experience Review Committee (ERC). As a committee of the ERC it is responsible to the Admissions Board through the Experience Review Committee. The MIT Committee takes direction from, and provides advice to, the Experience Review Committee as requested. For processes and administration it is accountable to, and takes direction from, the Executive Director.

- The purpose of the MIT Committee is to:
1. Represent the Members-in-Training (Engineers-in-Training and Geoscientists-in-Training) with respect to the Pre-Registration Program.
 2. Serve as a resource to the Experience Review Committee and other committees under the Admissions Board, as required.
 3. Promote the Pre-Registration Program to students, recent graduates and MITs.

The Committee met for the first time on Monday, November 27, 2000, and has been meeting monthly since. The main focus of the MIT Committee meetings has been to research and to discuss improvements to the Pre-Registration Program.

The committee is currently working on the final draft of a proposal for consideration by the ERC. The proposal suggests several changes to the way Professional Development and Professional Service activities are selected and evaluated. It proposes that more freedom be given to the MITs with regard to selection of activities suitable for receiving PS points. The Committee believes that these changes would greatly

improve the Pre-Registration Program and allow MITs to get involved in activities which they truly enjoy rather than participating only to obtain points.

During the past few months, the Committee has been working to improve the overall reporting by MITs and supervisors. Some changes, such as requesting MITs and supervisors to complete their reports together, are being implemented.

The MIT Committee is also working on constructing a Student Subcommittee at the University of Manitoba to raise awareness within the engineering student body. The Student Subcommittee will consist of one MIT Committee member and three to four U of M students, preferably from different departments. The subcommittee should be up and running this school year.

The purpose of the MIT Committee is to address issues that are important to MITs. Your ideas and opinions are greatly valued by the Committee. We would like to hear from you, so please feel free to contact us at mitcommittee@apegm.mb.ca and let us know your priorities. ■

Awards Committee

J.M. Symonds, Chair

Members

- M.A. Barakat
- J.R.C. Doering
- D.H. Grant
- E.E. Lach
- C.L. Lichkowski
- L.S.W. Larkin
- J.R. Pickell
- N.B. Ulyatt
- P. Washchyshyn



The Awards Committee is responsible for providing recommendations to Council for recipients of APEGM Awards and for nominees for the CCPE Awards.

The Association of Professional Engineers and Geoscientists of the Province of Manitoba's (APEGM) annual Evening of Recognition was held on 6 March 2001. There were four awards presented at this event. The first two were Merit Awards to B.W. (Bo) Gulay from W.L. Wardrop and Associates and Dr. James (Jim) Graham from the University of Manitoba. Bo Gulay was recognized for his significant contributions as an outstanding engineer and his commitment to family, community, and friends. Dr. Jim Graham was recognized for his outstanding scholarly achievements, including the direct advancement of the profession of engineering in Manitoba.

The Leadership Award was presented to Ed Van Humbeck from Vansco Electronics. Ed was recognized for his vision which allowed Vansco to grow into a world-class engineering and manufacturing company.

The Early Achievement Award was given to Dr. Robin Hutchinson of the University of Manitoba. This well-deserved award was for Robin's significant contributions to, and enhancement of, the engineering profession and community in the early stages of a promising career.

The Association will continue to recognize outstanding contributions to the profession and community later this year in conjunction with the Annual General Meeting. While the recipients have been named, they have not gone through the formal review and approval by the Council and, therefore, it would be premature as of this writing to announce the winners.

The above recipients are very deserving of their awards for their considerable contribution to the APEGM. The public's image of the engineers of Manitoba and Canada has been greatly enhanced by these individuals.

The Awards Committee continues to have a very good slate of candidates for these awards but we are always looking for nominations from the membership. We are looking for your input to this process to ensure all deserving candidates are given consideration. Please contribute to the process by nominating a fellow professional or non-professional for any of the appropriate awards the APEGM or CCPE has to recognize the efforts and achievements of its members. It is important the membership continue to contribute to the process.

I would like to thank Joan McKinley, Dave Ennis, and all the Awards Committee members for their significant efforts over the last year. It has been a pleasure working with you. I would particularly like to thank Don Osman, P.Eng., for his significant contributions as Chair of this Committee over the past few years. ■

Communications Committee

A.N. Kempan, Chair

Members

- M. Baril
- J.A. Blatz
- J.W. Bogan
- L.L. Douglas
- V.L. Dutton
- H.R. Foerster
- J.W.P. Lengyel



Over the past twelve months the Communications Committee fulfilled several objectives that we set for ourselves. Last year our numbers dwindled to a point where we had six members when I last wrote an AGM report. Thanks to the efforts of the Nominating Committee and staff, we have increased our ranks considerably. As well as increasing our numbers, we also broadened our representation by adding members of the geological community and women. However, Committee membership isn't a static thing, and we are always looking for new talent and for article contributions.

As always, I believe we have produced publications which satisfy the standards expected by our readership.

Last year I wrote about the relationship of the Communications Committee to the overall organization, stating that we should be accountable to Council. Events have overtaken us in that area.

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Public Awareness Committee

W. Jackson, Chair

Members

R. Bernhard
T. Bowden
K. Huminuk
S. Qureshi
R. Rempel
M. Rheault
H. Roche
J. Rooney
M. Samuda Poitras,
(Vice-chair)



The Public Awareness Committee, which was known as the Image Enhancement Committee for the past two years, has undergone more than a name change this past year. The committee's objective is to enhance the image of professional engineers and geoscientists by increasing public awareness of the role they play in our society. This is to ensure support for APEGM's legislated mandate, and to encourage individuals to consider engineering and geoscience as a profession. The objective is fulfilled in a number of ways, such as organizing National Engineering Week events, participating in and sponsoring similar events organized by other associations or interest groups, placing newspaper advertisements, and preparing public awareness.

Although much of the committee's time and energy during the past year continued to be devoted to National Engineering Week, the committee decided that members' efforts should be focused mainly on a new initiative. This program was established last fall in an effort to improve the image and visibility of the association in par-

ticular and of engineers and geoscientists in general. The committee set out to publicize to APEGM members the need for "experts in their field" to volunteer their knowledge and be available to various media outlets for comment on their particular area of expertise. So far, the committee has had several letters of response from professional engineers who want to participate in the initiative. The committee has established a sub-committee to determine the strategy and outline for the program.

This year's National Engineering Week program underwent a change of venue. Main events, including Spaghetti Bridge competition, Concrete for Kids, CSAE vehicles, Robotic games and other displays, were staged at the St. Vital Centre. The committee has established a sub-committee to be solely responsible for the organization and running of National Engineering Week. University of Manitoba Professor Brian Stimpson, P.Eng., has agreed to chair this sub-committee, engineer the event towards a highly successful week of participation in events and enhance the awareness of the profession and the organization.

The committee also continues to focus attention on the Manitoba Schools Science Symposium. The committee provides a monetary grant to offset the costs of the organizing committee, and by providing Special Awards for engineering-related projects. The winning projects were again selected by APEGM members who volunteered to act as judges.

The committee renewed its financial support for the Deep River Science Academy.

In the area of membership, A. Pollard, D. Prowse and N. Dunn left the committee to pursue other endeavours and they are to be congratulated for their many years of dedicated service. New

With Council's move to adopt the policy governance model, the Association's committee structure is now under review. Undoubtedly there will be some change to that structure which will have an impact on the need for member participation. Whatever these changes may be, the Nominating Committee will be required to continue to recruit individuals willing to serve their Association.

As Chair of the committee, I wish to thank all the members for their participation as well as Dave Ennis and Joan McKinley for their guidance and assistance. ■

dent that APEGM will still need *The Keystone Professional* to keep our members informed.

On behalf of the Committee I thank Lorraine Dupas and Dave Ennis for their assistance and we thank APEGM for giving us this opportunity to serve the Association.

I encourage our readers to participate in our publication and to express their opinions on issues they feel are important to them and to the engineering world. ■

members this year include H. Roche, S. Qureshi, T. Bowden and R. Rempel.

The committee thanks the large number of Association members, both P.Eng. and EIT, who had a hand in ensuring the success of the committee's initiatives during the past year. The committee also thanks Dave Ennis, Shirley Matile and Lorraine Dupas at the Association's office for their invaluable help and support. ■

Environment and Sustainable Development Committee (ESDC)

P. Janzen, Chair

Members

C.E. Anderson
K.A. Buhr
J.D. Ewing
R.M. Lemoine
D.M. McCartney
D.G. Osman
G. Rempel
J. Van Dusen
(Vice Chair)



A total of five meetings of the committee were held during the current term. Some of the issues addressed are as follows:

- Continued to monitor CCHREI (Canadian Council for Human Resources in the Environment Industry), which seeks to certify all environmental practitioners (including non-engineers).
- Considered the impact of specialist registrations for contaminated-site investigations, which were already required in B.C., and imminent in Ontario. Manitoba may be next.
- Devils Lake Outlet and related Garrison Projects. A luncheon presentation by Dwight Williamson, March 28, 2000, was organized by the Professional Development Committee.
- Climate Change Forum January 10, was attended and reported on by Jean Van Dusen.
- Water Quality. Provided input to CCPE Environment Committee's position discussion paper.
- George Rempel is a member of the CCPE Environment committee and provides mutual input between it and the ESDC.
- Published an article in the *Keystone Professional* "Interested in the Quality of Manitoba's Waters?" by Daryl McCartney (June, 2001).
- Paul Janzen participated in Issues Awareness Board Meetings.

The ESDC will continue to actively monitor environmental concerns and issues, and provide participation in the Issues Awareness Board and CCPE Environment Committee. We would welcome comments or issues raised by membership at large. ■

Nominating Committee Report

Continued from page 10

rest from the responsibilities or to change activities. To this end, the Nominating Committee arranged for new memberships on ten of the Association's committees during the past year. Part of this process was the continuing effort to place geoscientific members on all of our committees. Not only were geoscientists needed for committee work, but also a Geoscience Issues Task Force was created which required eight Professional Geoscientists.

Communications Committee Report

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APEGM is converting to a new governance model and the whole question of how Committees, in general, fit into that system is being worked out gradually. The fate of our Committee and all the others will be determined by that process. Whatever the result, I'm confi-

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Kelsey Chapter Report

K. Lau, Chair

Chapter Executive

- B. Kurczaba, Past Chair
- J. Cooper, Vice Chair
- P. Rowbotham, Secretary/Treasurer
- J. Conner, Member-at-Large
- S. Graham, Member-at-Large
- S. Peter, Member-at-Large

The Kelsey Chapter is supported by both APEGM and APEGS, and serves Flin Flon, Creighton, The Pas, and surrounding regions in Manitoba and Saskatchewan. The Chapter membership is approximately a 50:50 ratio between Engineers and Geoscientists, which has provided a great opportunity for the two groups to become acquainted with each other's needs and concerns. No doubt the learning process will continue.

In October 2000, the membership agreed to focus efforts on promoting education, heightening people's awareness of Northern communities, and become more involved with mobility issues. The Chapter has not lost sight of these goals as we continue to support the "Innovators in the Schools" program, and members volunteer their time to serve on various APEGM and APEGS committees.

The Kelsey Chapter hosted several events during the year:

September 13, 2000 Cranberry Portage, MB: Annual presidents' visit with APEGM and

Thompson Chapter Report

K.K. Derksen, Chair

This year has been a rather slow year for the Thompson Chapter. We had a change in executive whereby we said farewell to a number of long-serving members, Hetty Bloomer, Damon Gauthier and Gail Swaine. Our new executive is Tim Nykoluk - Past Chair, Ian Blakely - Vice Chair, Perry Yamada - Secretary, John Hilche - Treasurer, and myself, Keith Derksen - Chair.

We had a very successful Spaghetti Bridge Contest again this year. We had a good number of sponsors and we broke 39 bridges at the City Centre Mall on April 21. We had two record-breaking bridges this year; Tim Mayor's bridge held 53.50 kg and Antonio Hermegildo's bridge held 54.42 kg. We are quite sure that the shock-loading that we put the bridges through causes them to fail prematurely; however budgets do not allow for a more-sophisticated testing device.

A number of our members also participated in judging and organizing the annual science fairs in our seven local schools. ■

APEGS Presidents in attendance, as well as Association Executive Directors.

October 17, 2000 Creighton, SK: An informal meeting to welcome new members and interested people. Goals discussed for the Chapter in 2001.

November 15, 2000 Flin Flon, MB: The Kelsey Chapter Annual General Meeting. Guest Speaker: Alan French, Hudson Bay Mining and Smelting. Wilderness First Aid.

February 5, 2001 The Pas, MB: Regular dinner meeting. Guest Speaker: Dr. Douglas Ruth, P. Eng. Engineers: Enablers of Civilization.

April 18, 2001 Creighton, SK: Regular dinner meeting. Guest Speaker: Steve West, P. Eng., Hudson Bay Mining and Smelting. Planning for Closure-Mine Reclamation.

May 17, 2001 The Pas, MB: Regular dinner meeting. Guest Speaker: Randy Herrmann, P. Eng., Director, University of Manitoba ACCESS Programs.

June, 2001 Flin Flon, MB: Second Annual Kelsey Chapter Golf Tournament

September 19, 2001: Annual Presidents' Visit

The Kelsey Chapter would like to congratulate the many Geoscientists of Hudson Bay Mining and Smelting (Flin Flon) who were part of the 2000 Bill Dennis Prospector of the Year Award sponsored by the Prospectors and Developers Association of Canada.

The strength of the Kelsey Chapter is due to the efforts of the Chapter executive and its membership. The Chapter would like to express appreciation to the many guest speakers and individuals who contributed to our success. ■

Pembina Chapter Report

R.G. Vanderwees, Chair

Our chapter includes Professional Engineers from the Altona, Carmen, Morden and Winkler areas. We became a chapter in the spring of 2000 and are working within the professional community in Southern Manitoba.

Along with Technical Tours of some of the manufacturing operations in the area we also arranged a lunch meeting discussing the ISO process and it's impact on the day-to-day work of the Engineer and/or Geoscientist. Many thanks go out to Bob Partridge P. Eng., of Deloitte and Touche Consulting for speaking at this event.

We also had our second annual golf-tournament at the Minnewasta Golf and Country Club

in Morden this past June. The weather was great and the golf was "challenging".

Looking ahead in the next 12 months our chapter will be involved with one of the local primary schools in a section of their curriculum where they learn about design and the implications of design on the strength of structures. We also will be involved in the local job-fair for high-school students next spring as well as planning some technical tours of local businesses that have professionals on staff.

We have some openings in the executive of our chapter due to the recent departure of two members. We wish to thank Robin Butler and Keith Richards, both of 3M Morden, for their contribution to our chapter.

An invitation goes out to any member of the APEGM who has a subject that they would like to speak on and would like to address our chapter. Anyone interested in speaking should contact our Secretary. ■

Business Opportunity

Due to anticipated retirement, an established structural engineering firm is interested in mature professional engineer willing and capable to take on and continue the consulting practice. The firm has been preparing designs and construction documents for projects ranging from residential to multi-millions constructions. This is an opportunity for an experienced employee professional engineer ready and willing to establish a practice. Send inquiries with C.V. and description of experience to Post Office Box 34100 RPO. Fort Richmond, Winnipeg, MB R3T 5T5 or e-mail to pobox100@escape.ca

Certificate of Authorization Holders

- 609212 Saskatchewan Ltd.
A.D. Williams Engineering Inc.
A.F. Eshmade & Associates Ltd.
A.J.P. Engineering Services
A.V.A. Engineering Ltd.
Abugov Kaspar Architecture
Engineering Interior Design
Accutech Engineering Inc.
Acorn Consulting Engineering
Group Ltd.
Acres International Ltd.
Acres Manitoba Ltd.
Aero Consulting Services Ltd.
Alliance Engineering Services Inc.
Almitra Consulting Inc.
Ancor Engineering Ltd.
Appin Solar Associates Inc.
Ashford Engineering Ltd.
ASKI Geosciences Ltd.
Associated Engineering (Sask) Ltd.
Ayshkum Engineering Incorporated
Banerjee & Associates Ltd.
Beaubien Glover Maskell Engineering
North Inc.
Beckie Hydrogeologists (1990) Ltd.
BGC Engineering Inc
Boge & Boge (1980) Ltd.
BOMA Environmental & Safety Inc.
Bosgoed Project Consultants Ltd.
BP-TEC Engineering Group Inc.
Bronte Engineering Limited
Brownlee Beaton Kreke (Regina) Ltd.
C & V Engineering Ltd.
C W Engineering Ltd.
Campbell Ryder Engineering Ltd.
Canadian Stebbins Engineering &
Mfg Co. Ltd.
Celco Controls Limited
Centra Gas Manitoba Inc.
CH2M Hill Canada Limited
Charleson Engineering Ltd.
Cimco Refrigeration
Clifton Associates Ltd.
Colt Engineering Corporation
Con-Force Structures Limited
Construction Technology
Laboratories Inc.
Cornerstone Engineering Inc.
Crosier Kilgour & Partners Ltd.
CTM Design Services Ltd.
D. Oleksiuk & Associates Inc.
D.E.M. Allen & Associates Ltd.
Delta Hudson Engineering Ltd.
DGH Engineering Ltd.
Dietrich Consulting Ltd.
Dillon Consulting Limited
Doering Engineering Inc.
- Dominion Construction Co. Inc.
Duncan Associates Ltd.
DWD Consulting Ltd.
Eagle Engineering Inc.
Earth Tech Canada Inc.
Egberts Engineering Ltd.
Ellard - Willson Engineering Ltd.
Energy Consultants International Inc.
Eng-Tech Consulting Limited
Equinox Architectural & Engineering
Network Inc.
F. A. Roberts & Associates Ltd.
Faraci Engineering Ltd.
FishPro, Inc.
Flagel Lewandowski Ltd.
Frovich & Associates Inc.
FWS Construction
G. A. Pratt & Associates Inc.
G. D. Stasynec & Associates Ltd.
G. F. Shymko & Associates Inc.
G. L. Tiley & Associates Ltd.
Gairns Santos Engineering Inc.
GBM Consulting Inc.
Genco Engineering Consultants Inc.
Geokwan Engineering Ltd.
Giffels Associates Ltd.
Hammerschlag & Joffe Inc.
Hanuschak Consultants Inc.
Hasegawa & Associates Ltd.
Hemisphere Engineering Inc.
Hinz Automation Inc.
HSB Engineering Consultants Ltd.
Ibberson Canada Company
Industrial Technology Centre
Ininew Project Management Ltd.
Inspec, Inc.
J. R. Cousin Consultants Ltd.
J.R. Spronken & Associates
Jacobsen Hage Engineering
Jacques Whitford Environment Ltd.
K'N'H Engineering Inc.
K.E. International Ltd.
Kassian Dyck & Associates
Kazdan and Lalji - Structural
Engineers
Kazmar Associates Ltd.
KGS Group
Kitson Engineering Inc.
Klohn-Crippen Consultants Ltd.
KNH Sawatzky & Associates Ltd.
Kova Engineering Ltd.
Kowalchuk Consulting Engineer Ltd.
Koziak Engineering Ltd.
Kraftur Engineering Inc.
Kvaerner Chematics
L. L. Riding Engineering Inc.
L.E.W. Engineering Ltd.
Lavergne Draward & Associates Inc.
- Leipciger, Kaminker, Mitelman &
Partners Inc.
Lindal Consulting
London Mah & Associates Ltd.
Luiz Leon & Associates Ltd.
Lynx North Engineering Inc.
M. Block & Associates Ltd.
M.A. Steelcon Engineering Ltd.
Mag Design Group Inc.
Manengco Engineering
Manitoba HVDC Research Centre
Manitoba Hydro
March Consulting Associates Inc.
MBH Mechanical Consultants Ltd.
McCavour Engineering Limited
MCW/AGE Consulting Professional
Engineers
Meridium Power Inc.
Mesh Technologies Inc.
Metallurgical Consulting Services Ltd.
Mid Canada Reinforcing Inc.
Midwest Detroit Diesel-Allison Ltd.
Morrow Environmental
Consultants Ltd.
N.K. Becker Incorporated
ND LEA Engineers & Planners Inc.
Neegan Burnside Engineering &
Environmental Ltd.
Neegan Burnside Ltd.
Niagara Engineering Works, Inc.
Norseman Engineering Ltd.
Northwest Engineering Inc.
Nova 3 Engineering Ltd.
O'Connor Associates
Environmental Inc.
Okumura McGinn Architecture
Engineering Planning Ltd.
Omicron Consulting Group
P. Machibroda Engineering Ltd.
Paley, White & Associates Ltd.
PC Engineering Ltd.
Peto MacCallum Ltd.
Pinchin Environmental
PPL Professional Services Inc.
Proskiw Engineering
Pryde Schropp McComb, Inc.
Pursuit Industrial Solutions
R & D Engineering, Inc.
R. Halliday & Associates Ltd.
R.M. Godse & Associates Ltd.
R.N.D. Engineering (1997) Ltd.
Read Jones Christoffersen Ltd.
Reed-McCallum Engineering Ltd.
Reinforced Earth Company Ltd.
Ritenburg & Associates Ltd.
Robb Kullman Engineering Ltd.
Roberts, Sloane & Associates Inc.
ROM Engineering Ltd.
- Roziere Engineering Ltd.
Sacre-Davey Engineering
SAE/SIMS & Associates
Engineers Ltd.
Sameng Inc.
Samson Engineering Inc.
Sawchuk Antonini Engineering
Limited
Schappert Associates Ltd.
SCL Engineering Ltd.
SEG Engineering Inc.
Smith Carter Architects and
Engineers Inc.
SMS Engineering Ltd.
SNC-Lavalin Engineers &
Constructors Inc.(MB)
Stantec Consulting Ltd.
Steckley Consulting Engineers
Stolberg Engineering Ltd.
T.H. Gillman & Associates Ltd.
Tensar Earth Technologies Inc.
Terraprobe Ltd.
TetrES Consultants Inc.
The Cohos Evamy Partners
The Conserver Group Inc.
The National Testing Laboratories
Limited
The Stellar Group
The Walter Fedy Partnership
Thomas A Fekete Limited
Thomas Design Builders
Timber Systems Engineering Inc.
Todd & Sargent Canada Ltd.
Tomecek Roney Little &
Associates Ltd.
Tower Engineering
TRK Engineering Ltd.
Trow Consulting Engineers Ltd.
Truax Engineering Ltd.
Unies Ltd
Universal Dynamics Limited
Van Sickle, Allen and Associates
Venture Engineering
Consultants Ltd.
Vik International Inc.
W. G. Rooke & Associates Ltd.
Walters Chambers & Associates Ltd.
Wardrop Engineering Inc.
Wasnea Mah Engineering Ltd.
Water Resource Consultants Ltd.
Weiler Smith Bowers
Westower Communications Ltd.
Winnipeg Airports Services Corp.
(WASCO)
Wolfrom Engineering Ltd.
Woods Edward Engineering Ltd.
Yoneda & Associates Partnership
Zandstra Consultants Ltd.

Professional Development Programs Earn Continuing Education Units

By L.Simpson

The University of Manitoba's Continuing Education Division is a participating partner in the Engineering Institute of Canada's (EIC) Technical Professional Development Program. Management Development Programs (partnership initiative of the University's Asper School of Business and Continuing Education Division) are assigned Continuing Education Units (CEUs) for purposes of tracking continuing professional education.

One program that will be of particular interest to engineers is the University Manitoba Mid-Management Program, designed to provide middle managers and high potential managers with the basic concepts and practices of business management. The program is a broad survey of subject areas normally found in a business-school degree program. The purpose of the program is to help practicing managers become more effective in current business

theories and practice and provide participants with the knowledge needed to work cross-functionally within their organizations. This 12-week survey of business subjects will give participants a framework for making informed decisions about issues affecting their company and career and allow participants to develop a broader understanding of functional areas outside normal activities and professional training.

The program is designed for:

- Mid-level managers with several years of experience who want a foundation in current business theory and practice
- Technical professionals making a transition into management positions
- Managers who want to become conversant with a variety of functional areas in order to move up in the organization
- Professionals who are interested in starting their own practice or

who currently have a practice but require additional knowledge to manage more effectively

Each three-hour session focuses on a different aspect affecting organizations today:

- The Challenge of Leadership
- Understanding Financial Statements
- Using Accounting Information
- Human Resource Management
- Information Resource Management
- Marketing Management
- Customer Satisfaction, Service Quality & The Bottom Line
- Intrapreneurship
- Managing Change
- Operations Management
- Financial Management
- Strategic Management

The Mid-Management Program is 3.6 CEUs.

The Fall Program begins with a mandatory orientation session on

September 8. Thereafter, classes will meet on Monday evenings from 6 – 9 p.m. at the Drake Centre, Asper School of Business, Fort Garry Campus, University of Manitoba September 10 – December 10, 2001.

The Winter Program begins with a mandatory orientation session on January 10. Thereafter, classes will meet on Monday evenings from 6 – 9 p.m. at the Drake Centre, Asper School of Business, Fort Garry Campus, University of Manitoba January 14 – April 1, 2002.

The \$1,495 enrollment fee includes tuition, textbook, course binder, and handout materials. Additional registrants from the same company are charged a reduced rate of \$1,345 per person. Associates and Young Associates of the Asper School of Business and employees of their companies are charged a rate of \$1,121 per person.

To get a brochure with more detailed information call 474-7189; 1-888-216-7011 (toll free); or visit our website at www.umanitoba.ca/coned/cep. Look for Mid-Management Program/Frequently Ask Question. ■

2001 Spring Golf Tournament

By: M.E. Baril, P.Eng.

This year's APEGM Spring Golf Tournament took place on Wednesday, June 13th, at Selkirk Golf & Country Club. As always, the tournament was a resounding success in regards to participation, with 37 teams and 148 golfers forcing themselves to be absent from the office for half of the day. Again this year we managed to squeeze the golf in between days of rain. The morning threatened rain with a few golfers calling Lorraine at the APEGM office to inquire if the tournament was still a go as the forecast was not favourable. However, Lady Luck once again chose to smile on the Sons of Martha as a mere 20 minutes of light drizzle was all the rain we experienced. The Sports Committee would like to once again recognize their great sacrifice, without which we would not be able to hold a sold-out tournament year after year.

After the golf, the festivities moved into the banquet hall. The Landon Cup (1st place) and Sullivan Cup (2nd place) trophies were awarded by the current APEGM President, Allan Pollard. The first

place team of Rob McBain, Brad McCormac, Chuck Evancio and Rob Sachowski finished with a score of -11. The second place team of Carl Wiebe, Lance Vigfusson, Bruce McPhail and Dave Krahn had a score of -9.

This year we held five "on the course" competitions. The winners of these five competitions were Scott Bailey (Longest Drive, hole

#1), Brad Draward (Closest to the Pin, hole #5), Ron Brako (Longest Drive, hole #10), Jim Mishikawa (Straightest Drive "a.k.a. Closest to the Line", hole #15), and Julien Lavergne (Closest to the Pin, hole #16).

There was also a putting contest held on the practice green (fund-raiser for KidSport) which was won by Derek Belsham (40 pts), with runner-up distinction going to Darwin Kupskay (36 pts). There was no "instant winner" in the Multiple Sclerosis Society's hole-in-one competition but, as a consol-

ation prize, if you hit the green you received a sleeve of golf balls. The ratio of hits-to-misses would tend to dispel any rumours that engineers have a lot of opportunities to take time off to golf, as we did not do any better than the national average in that regard. The tournament members once again admirably supported both charities.

The Sports Committee would also like to thank the following companies that supported our tournament by sponsoring a hole or donating prizes. Our apologies if we have missed anyone.

- AMEC, UMA Engineering Ltd., Mid-Canada Reinforcing Inc., Nelson River Construction Inc., Azon Canada Inc. Con-Force, Lewis Instruments Ltd., Pauwels Canada Inc., Pro-Tek Coatings Ltd., Armtec Ltd., National Testing Laboratories, KGS Group, Cansel, Inland Pipe Limited, Vector Construction Group, Trus Joist MacMillan Ltd., CAD/CAM Solutions of Canada Inc., Superior Truss Co. Ltd., APEGM, Lafarge Canada Inc., Western Diazo, Eng-Tech Consulting Limited, Golf Central, Wardrop Engineering Inc., SMS Engineering Ltd., Flanders Insurance ■



THOUGHTS ON

Design

...but what about an "uncertain situation"?

By: M.G. Britton, P.Eng.

A current hot topic here in the Red River valley illustrates a classic design question. Can Winnipeg be protected from a flood that greatly exceeds 1997 levels? While the question seems to be stated simply enough, it is actually poorly defined and filled with uncertainty.

When this question is posed by those who are "technologically challenged", it seems to beg for a yes/no answer. However, even to an engineer with no expertise in the field it produces further questions rather than answers. What is the maximum probable flow? What are the implications upstream and downstream? What is the environmental impact? What costs must be balanced? What are the political and social costs of protecting Winnipeg if other communities are placed at increased risk? Can compensation for damages off-set increased risk? How long do we have to make the

decision and get on with the job? What are the priorities the design must meet? And can you imagine how many more questions occur to those who have the necessary technical expertise?

The point of this example is not to attempt to arrive at a conclusion respecting the flood protection question, but rather to look at the "...poorly understood or uncertain situation..." that Koen speaks to in his Engineering Method. Typically design tasks occur in response to some situation that requires a solution. They are often posed in terms of the solution being sought. They are often posed by persons who do not appreciate the constraints that will shape the solution.

Step one in the design process must be to seek out the real question that is hidden within the stated question. A design will result in something changing. The engineer needs to be assured that the proposed

change relates to the real need.

If a design task is not clearly understood in its broadest sense, the resultant design often causes more problems than it solves. And most questions that relate to the real world are complex in the extreme. As a result of this complexity, design engineers are forced to simplify the basic models used to define the problem in solvable terms, and then assume relationship into existence to link the simplified models. Modern analysis techniques permit refinement of these models and assumptions, but the analysis may produce precise values that have little or no accuracy relative to the original need. Alternately, if the question becomes well defined, the models and the analysis will prove to be very meaningful.

In your student days it was common practice to compare answers to assignments and labs just to make certain you "had it right". That

worked because the problems normally had all of the variables defined in order to make correcting the assignments easier. But that was probably the last time you faced a simple question where all of the assumptions could be treated as "givens". As an engineer, you probably spend as much, or more, time trying to identify the problem that needs to be solved as you do solving it.

If we are to design a solution, we first need to understand the problem. The answer you get depends on the question you ask. Once the question is clear, the answer is usually rather straight forward. It is all part of the Engineering Method. ■

Do You Enjoy Writing?

The Communications Committee is looking for new members who would be interested in joining the committee. In order to fully represent the membership, mechanical, electrical, and computer disciplines are particularly needed. For more information contact the APEGM office. ■

DSL Nothing New – Evolving to Next Generation Services

By: E.S. Swatek, P.Eng.

How do you take an infrastructure designed for one application and evolve it to support a new set of applications?

On April 19, Roy Sherbo, General Manager Next Generation Services, MTS, delivered a presentation on the engineering challenges associated with just such an evolution.

Engineering has made it possible to deliver voice and high-speed data over traditional phone lines. The presentation focused on transforming an infrastructure designed for narrow-band, circuit switched, time-division multiplexed service to a broad-band network supporting packet and cell-based services.

Mr. Sherbo began with a description of the current architecture which supports plain old telephone service (POTS) and analog modems (up to 56 kb/s), and then outlined the design changes required to the con-

nection from the customer premise to the service provider in order to support new services such as high speed web access, video entertainment, virtual private networks, and voice over internet protocol.

Higher speeds require increased bandwidth. Bandwidth capacity decreases as the length of copper cable increases. The existing access cable, that was suitable for voice and analog modems, is often too long to support the higher bandwidths envisioned for the next-generation services. Re-engineering of the access cable with an emphasis on the need to reduce copper lengths is at present underway in order to

support higher frequencies required for asymmetrical digital subscriber line (ADSL) (8Mb/s) and very high bit rate digital subscriber line (VDSL) (20 to 50 Mb/s).

The audience expressed considerable interest in current initiatives following the presentation as witnessed by a longer-than-average question-and-answer period. Mr. Sherbo described MTS's current 300 million dollar three-year initiative to deliver Next Generation services to over 85 % of Manitobans. The bulk of this investment will be in the form of new application development and the shortening of copper access loops. A comparison of the initiatives in Manitoba relative to the rest of North America highlighted the fact that MTS is introducing high-speed Internet into more smaller communities than are many other ADSL providers. Many in the audience wanted to know when the described high speed internet services would be available to them and were advised that MTS has a the goal of being able to reach 70 - 80 %



Council Reports

Tuesday, May 9, 2001

By: A.N. Kempan, P.Eng. (Ret.)

COUNCIL PONDERES SECONDARY LIABILITY INSURANCE

Present for this meeting were Councillors Permut, Gilmore, Syme, Ferchoff, Hamilton, Hosang, and Ruff. President Alan Pollard officiated and Executive Director Dave Ennis acted in his usual role of field general, historian, and encyclopedia of Association affairs. The new face at the table was Ms. Kathy Gaudry, our newly minted lay councillor. Councillors Poetker, Barakat, Bogan, and Ball sent their regrets.

Council's first task was to consider a lengthy and meandering e-mail exchange between Director of Admissions Shirley Matile and an unidentified prospective member living in Alberta. Executive Director Dave Ennis supplied the background for the item. The would-be member wanted APEGM, through Council, to waive the deposit required to appeal the decisions of the Experience and Registration Committees. Normally, the deposit is \$500, but Council had already lowered it to \$242 at a previous meeting. Now the prospective member wanted to pay no fee at all. Past President Hosang said he couldn't see a reason to grant the request and Councillor Ruff shared the same sentiments. Council voted to reject the request, but they asked that the applicant be reminded that the deposit would go towards his fees should the appeal succeed.

Next on the agenda was a request from the Consulting Engineers Manitoba (CEM) to revise two documents which have been issued jointly by the respective organizations for the last 40 years. The first was a guide for retaining a consulting engineer and the second a suggested fee schedule. Executive Director Dave Ennis said that both organizations were confused about who was responsible for what and the purpose behind the documents. He also noted that the involvement of APEGM in creating these documents was mandated in our Act. The guide would be a CEM document with APEGM participation and the fee schedule would be an APEGM document with CEM participation. President Pollard sensed that Council was comfortable with having our name attached to the documents, but that we must avoid the appearance of price fixing. Council approved a motion to revise the documents.

Tuesday, June 14, 2001

By: A.N. Kempan, P.Eng. (Ret.)

COMMITTEES AND "POLICY ENDS"

After dealing with the normal routine opening items, Council waded into the Certificate of Authorization (C of A) issue again. This was a continuation from the May meeting when Council decided to pursue an Act change to improve the wording of the C of A requirement. APEGM's first attempt at re-wording was flagged by Manitoba Labour lawyers, but after consultation with APEGM legal counsel, a mutually acceptable version was adopted. President Pollard said that he had spoken with the Minister of Labour and there was a possibility that the amendment could pass in this legislative session. He went on to say that the amendment would cover 80% of C of A applicants. Geoscientists would be fully covered by the amendment, but some organizations engaged in design-build activities would not. It was felt that a partial solution now was better than no solution at all. Council passed a motion approving the bylaw change.

Council learned that the Board of Directors of the Canadian Council of Professional Engineers (CCPE) had approved funding for the first year of the National Secondary Professional Liability Program. President Pollard reiterated that APEGM could not participate in the program without a bylaw change and the consent of the membership. If the program was approved, it would mean a \$10 increase in membership dues in 2003. Councillor Bogan wanted to know if any other fee increases were anticipated.

The evening of September 11 was set by Council as the date for a

Council reviewed a report called "Meeting the Challenge of Continuing Relevance for the Engineering Profession." This document was authored and circulated to its constituent organizations by the Canadian Council of Professional Engineers (CCPE). One of the key findings was that support for licensure in Canada was weakening. The report went on to suggest strategies for correcting the situation. Council received the report as information and they were invited to comment on the report individually.

This wasn't the end of information from CCPE because the next sheaf of paper contained the "Marketing and Communications Strategy for the Engineering Profession in Canada." Members will be pleased to learn that engineers will become a "brand" if this strategy is adopted. Councillor Syme noted that members with a geological background were ignored in the Strategy, as they were in the Relevance report. President Pollard said he would bring out this deficiency at future meetings.

Council was treated to a batch of printed overheads which extolled the virtues of the "National Secondary Professional Liability Program". Executive Director Dave Ennis explained the principles behind this proposed program. In most cases an engineer's employer carries some form of liability insurance. There are instances where the employer no longer exists and should an engineer be sued under these conditions he or she would be on their own. This is when secondary liability insurance would kick in. Presently, APEGM cannot mandate members' participation in such a plan without a change in our Bylaws. Councillor Permut felt that APEGM should pursue the bylaw change, but to be aware that members are very sensitive to fee increases. Council endorsed a bylaw change contingent upon full participation by other Associations.

The thorny issue of the Certificate of Authorization (C of A) surfaced again, this time in the form of a letter to the Minister of Labour. The letter proposed a change in the wording of the C of A requirement, one that would make the concept more workable. Past President Hosang said it was unlikely that the Legislature would deal with our request in this session.

The meeting ended with a number of purely informational items. Trips to annual meetings in Ontario, Alberta, Saskatchewan, and North Dakota were described in some detail. Councillor Gilmore had the pleasure of providing a "self-evaluation" of how Council had performed at this meeting. He felt that Council strayed considerably from the agenda. Councillor Washchysyn wondered when they'd see shorter meetings. He also expressed a desire to participate in a post-meeting free-form discussion not tied to an agenda. ■

Committee Evening. This unique event was billed as an opportunity to recognize the hard work of committee members and chairs and as a lead-in to their new life under Policy Governance. Committees would then have to meet the "Ends" statements of the organization. Councillor Barakat wanted to know if they had a plan, to which President Pollard replied that they would take forward the standard Policy Governance model and ask for input. By the AGM, the final plan would be complete. Executive Director Dave Ennis was uneasy with this, and felt that they should have a time frame and an idea of what they wanted to achieve. Past President Hosang wished to know if they expected a negative reaction. He also said that APEGM needed a game plan, an idea of what the new Committee structure would look like. Councillor Gaudry, who had her Policy Governance hat on, pointed out that with the exception of Council, all Committees were tied to Executive Director Ennis.

Councillor Ball wondered who would care if the Committee structures changed, to which Councillor Permut replied that everyone would care and that it was important that the changes come from Council and not Mr. Ennis. Mr. Ball asked if the Committee Evening was a retirement party for committees, to which President Pollard said yes, to a large extent it was. Councillor Ball wondered if they could put more time into the process. President Pollard said that they shouldn't "de-enthuse" the volunteers. It was obvious that many Councillors were uneasy with the process, so Executive Director Dave Ennis suggested that the meeting be held on September 25 instead; otherwise people would walk in and ask what the heck was going on. Councillor Gaudry intervened again and said that what was needed was an EL-6 for the October meeting, that Council was telling Mr. Ennis what to do, rather than letting him perform his duties as set out under Policy



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Press Release

Continued from page 4

interest of the MCSE community. Holders of the MCSE certification are not licensed or regulated by the engineering profession. If they mistakenly use the titles "engineer" and "engineering" the provincial or territorial engineering associations would have to take enforcement

action against them. Its decision is good for the information technology industry, good for MCSE holders, and good for the engineering profession."

Microsoft is currently researching alternatives for the MCSE credential worldwide, which could result in a new name for the credential later this year. ■

DSL Nothing New

Continued from page 18

of Winnipeg and Brandon customers by the end of this year.

The telephone network has always been evolving. A generation

ago there was still party-line service, rotary dial, and analog switching. Today there is individual line service, touch-tone dialing, and digital switching. Next Generation Services are just another step in this continuing evolution. ■

June Council Report

Continued from page 19

Governance. Council approved the monitoring report.

A question raised in a September, 2000, letter to APEGM, from a prominent Winnipeg company, landed in Council's lap at this gathering. The company inquired when it was permissible under the Act to use the term "Engineer" when referring to a member-in-training (MIT). APEGM's legal advisors provided to Council a legal opinion and a Draft Policy to help them understand the law. In essence, the lawyers differentiated between engineering work and engineering titles. Work must be performed by trainees under the direct supervision of a P. Eng., but an MIT's job title could contain the term 'engineer' as long as he or she was correctly identified as an MIT. Director of Admissions Shirley Matile objected strenuously to this interpretation saying that 'engineer' could not be used in any combination with MITs and if the draft policy was adopted, it would run contrary to Canadian Council of Professional Engineers guidelines. She said the draft policy was flawed and did not make sense and she asked Council not to adopt it.

Several councillors agreed with the Draft Policy, saying that it improved the status of MITs. In the end, Council opted to table the subject until the September meeting.

The meeting began to wind down with another go-round about what to do with late membership fees, a subject that had been exhaustively discussed at previous meetings. A long discussion followed but no discernable direction emerged. Finally, Executive Director Dave Ennis asked what was wrong with the way they were doing it now? Council took this as an invitation to more discussion.

One of the last items of the day saw Council approve the payment of an honoraria to appointed Councillors. They felt this was fair since appointees were donating their time to APEGM. Appointed Councillors will receive \$100 for a Council meeting and \$50 for a committee meeting. Elected Councillors will continue to donate their time.

President Pollard ended the meeting with an informal meeting self-evaluation. He acknowledged that they were digging down too deep, i.e. going beyond the role of policy setting. To this he pled a mea culpa. ■

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