

# 1997-98 ANNUAL REPORT

## **APEGGA**

*The Association of  
Professional Engineers, Geologists  
and Geophysicists of Alberta*



## [ APEGGA'S MISSION ]

*To serve society by regulating, enhancing and providing leadership in the practice of the professions of engineering, geology and geophysics.*

## [ APEGGA'S VISION ]

*To be the focal organization which is the recognized leader of the engineering, geology and geophysics professions involved in the application of science and technology for the benefit of society within Alberta.*

In Alberta engineers, geologists and geophysicists use their expertise in such areas as resource development, construction, public works, transportation, agriculture, manufacturing and processing. Under Alberta statute, APEGGA registers, sets practice standards and determines disciplinary action, when necessary, for its approximately 30,000 members.

APEGGA's membership services are designed to enhance professional and personal development. Seminars, meetings, salary surveys, employment counselling, and achievement awards are provided on a regular basis. An active career counselling program keeps young people informed of opportunities in engineering, geology and geophysics, and develops an awareness of how these professions affect their daily lives.

The Association has a head office in Edmonton and an administrative office in Calgary. Nine Association branches are active in major centres throughout Alberta. APEGGA maintains good relations with Alberta's universities, industry and government. It maintains a national voice on broader issues affecting the professions through involvement with the Canadian Council of Professional Engineers and the Canadian Council of Professional Geoscientists.

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### 1997/98 COUNCIL

#### PRESIDENT

Dennis A. Lindberg, P.Eng.

#### PAST PRESIDENT

Fred D. Otto, P.Eng., PhD

#### 1ST VICE PRESIDENT

Dan Motyka, P.Eng.

#### 2ND VICE PRESIDENT

Connie Parenteau, P.Eng.

#### PUBLIC REPRESENTATIVES ON APEGGA COUNCIL

Donald Hoover, P.Ag.      Stanley Souch, PhD      Michael Stevens-Guille

#### COUNCILLORS

Julie Aitken, P.Geoph.	Dale Miller, P.Eng.
Alan Blackie, P.Geol.	Jim Montgomery, P.Eng., PhD
John Boyd, P.Geoph.	Neil O'Donnell, P.Eng., P.Geol.
Elizabeth Cannon, P.Eng., PhD	Alice Payne, P.Eng.
Sue Evison, P.Eng.	Mike Strong, P.Eng.
Mark Lasby, P.Eng.	Bonnie Stowkowy, P.Eng.

#### CANADIAN COUNCIL OF PROFESSIONAL ENGINEERS — ALBERTA DIRECTOR

Fred Otto, P.Eng., PhD

#### CANADIAN COUNCIL OF PROFESSIONAL GEOSCIENTISTS — ALBERTA DIRECTOR

Vacant

#### BRANCH CHAIRS


Calgary - Jane Tink, P.Eng.	Peace River - John Lehnars, P.Eng.
Fort McMurray - Swami Swaminathan, P.Eng.	Red Deer - Réal M. Malo, E.I.T.
Lakeland - Kevin Billay, P.Eng.	Vermilion River - Tom Greenwood-Madsen, P.Eng.
Lethbridge - Mark Bellamy, P.Eng.	Yellowhead - Darryl Verheire, P.Eng.
Medicine Hat - Bob Hawrelak, P.Eng.	

#### STAFF

Executive Director & Registrar H. Neil Windsor, P.Eng.  
Deputy Registrar Albert Schuld, P.Eng.  
Director, Registration & Compliance David Todd, P.Eng.  
Director, Professional Practice Raymond Chopiuk, P.Eng.  
Director, Professional Development Leonard Shrimpton, P.Eng.  
Director, Communications Trevor Maine, P.Eng.  
Director, Special Projects Stewart MacIntosh, P.Eng.  
Director, Administration Melora Jones, C.A.

# President's Report

*Dennis Lindberg, P.Eng.*



It has been an incredible privilege and honour for me to serve for the past year as the 78th President of APEGGA, one of the most preeminent professional associations in Canada. I have been fortunate to follow in the footsteps of Fred Otto, P.Eng., whose strong leadership resulted in well established strategic

initiatives and an appropriate business plan to guide us for the next several years. As well, I have had the support and guidance of a very dedicated Council and professional staff who have served our Association faithfully and well in addressing the many important issues placed before them during the course of the year. Their wise counsel has, I believe, moved us forward significantly towards realization of the strategic goals that have been established.

## Association Governance

Last year, Council adopted a new governance model which boldly provided clear delineation between the responsibility of Council, and individual Councillors, and that of the permanent staff. The new structure places on Council the responsibility to define the objectives of APEGGA and how the interests of society and our members could best be served. APEGGA staff on the other hand, under the direction of the Executive Director, assume full responsibility for utilizing the resources made available by Council to achieve effectively and efficiently the stated objectives of the strategic initiatives and the business plan, while still remaining fully accountable to the Council as a whole.

It could be expected that such a forward-looking structure would invariably be met with some misunderstanding and reluctance by some members of Council but this was not the case. The concepts were embraced by all members of Council and, with few minor exceptions, Council's energies were focused strictly on those issues which required visioning and policy direction, while leaving administration of the corporation to the professional staff. Staff, on the other hand, accepted this responsibility and arose to the challenges while clearly respecting the supremacy of Council and the need of Councillors to be fully informed at all times. No governance structure, no matter how well thought out and how clearly

defined, could ever be effective without mutual respect and trust from both parties involved. I am persuaded that we have been able to build that important relationship exceptionally well in a short period of time and, as a result, our energies and resources are being maximized.

## Strategic Planning

A strategic plan will remain valid only if it is a living document and is revisited regularly. For the past several years, Council has engaged in two-day strategy sessions which have focused on the validity of previous strategies, the success of staff in carrying out the elements of the strategic plan and the business plan, as well as new factors to be considered and the need for changes in direction resulting therefrom.

This year, the focus was very much based on the rapid change in technology which has changed seemingly forever the face of our professions and how we will do business in the future. The computer age has caused the business world to shrink and has opened up a global economy into which many of our members are already fully involved and more will follow. Expertise exported is rapidly becoming a significant component of the market for engineers, geologists and geophysicists. Council therefore was seized with the question of what the professions will look like in the year 2007 and what changes APEGGA will undergo in order to remain relevant and effective. At the national level, through the Canadian Council of Professional Engineers (CCPE), mobility rights and reciprocal agreements, both nationally and internationally, have been very much in focus. The impact of all this on our professional Association and the new challenges that inevitably will arise as a result of these changes are of great concern to Council. It is important to fully understand what is taking place and be positioned to react in a timely fashion as each new problem becomes evident. I believe Council has begun the process of identifying what might be needed but much more remains to be considered. Input from our members will be critical to identifying the problems and deciding how best to react to them in this ever-changing environment.

## A Time For Change

Council has recognized that APEGGA

too must change. Traditionally APEGGA has been almost exclusively a regulatory body and has restricted activities to those matters essential to our primary role of administering the EGGP Act and ensuring the safety of the public. This primary focus can not and will not change, and the strategic initiatives and business plan reflect that resolve. But we must look beyond this role and examine additional means of serving our members and supporting their efforts. How best can we "enhance the value and relevance of engineering, geology and geophysics?"

Council identified the need to raise the awareness of the value of engineering and to improve the image of the professions in the eyes of the public, industry and, most importantly, with governments at all levels. The business plan and the strategic communications plan suggested ways and means of raising the profile of the professions and of improving our image. These have proven to be effective and have been re-emphasized in a revised strategic communications plan, recently approved by Council, which is designed to guide us to the year 2001.

## Government Relations

Significant gains have been made in improving our ongoing relations with governments at all levels during the past year. Working closely with the Minister responsible for our Act, the Honorable Stan Woloshyn, Minister of Public Works, Supply and Services, and officials of the department, has been a rewarding experience and we are most grateful to the Minister for his understanding and continued support. Together with the Executive Director, I held private meetings with some eleven Ministers and their Deputies to discuss matters of mutual concern. I was very pleased with the level of interest and understanding we received and believe that we left the Ministers with a much better understanding and appreciation for what APEGGA is and the contribution the professions make to the economy and society of Alberta. A dinner held with the government caucus in March gave us an excellent opportunity to have meaningful dialogue with Ministers and MLAs and to provide them with a brief overview of how APEGGA functions and the broad range of issues we deal with on a regular basis.

In March, as well, we reached a major plateau with the registration of our 30,000th professional member. Ms. Susan Kwan, P.Eng., was introduced to the legislature by the Minister and, in a ministerial statement, he paid tribute to APEGGA for the role that we play and the contribution made to the Alberta Advantage by our professional members.

#### **Becoming Proactive**

In September, the Government held the Growth Summit '97 which was designed to identify the major economic advantages Alberta enjoys and to chart a course for capitalizing on the opportunities presented by them. APEGGA sponsored two Mini-Summits in advance of the Growth Summit to give a selection of our members and guests the opportunity to examine the questions placed before the Growth Summit and to provide input toward the process. As a result of this initiative, a report was prepared based on the findings of the two Mini-Summits and this was presented to the Growth Summit members and to Government. The main conclusions form part of the report of the Growth Summit itself.

In December, APEGGA was approached by a special Legislative Committee struck by the Premier to examine and advise on Capital Investment Planning. Following an initial meeting with the Legislative Committee, a special committee of APEGGA members was appointed to consider and advise on various systems and algorithms available to assist with investment planning and management of assets. The committee produced an excellent report which was presented to the Legislative Committee in February and which undoubtedly had a significant impact on the direction taken by government.

These are examples of how APEGGA has become proactive in promoting the Alberta Advantage and the role our professions play in it. As well, APEGGA has become active in various chambers of commerce and development agencies with a view to keeping in the forefront the value of engineering, geology and geophysics. This has resulted in raising the profile of the professions significantly and has provided numerous valuable opportunities to influence the work of these various agencies and to benefit from it.

The Joint Municipal Task Force, formed jointly with Consulting Engineers of Alberta (CEA) last year, has continued to work effectively

towards establishing greater awareness and improved relations with municipalities and their associations.

Attendance at the Alberta Urban Municipalities Association and the Alberta Association of Municipal Districts & Counties annual general meetings and conventions was very effective in establishing improved communications with these groups and the municipalities they represent. Work has continued on drafting legislative amendments to our Act which will clarify the right of professionals to be exempt from business licences which might be imposed on firms from outside the municipality, from time to time, doing business within the boundaries.

#### **Continued Professional Development**

The Continuing Professional Development Program has been implemented and has received general acceptance by the large majority of our members. The program is essential in this world of rapidly changing technology in order to provide assurances to the public and to government that members have maintained their technical and professional competencies through a program of lifelong learning. The program is self-directed and represents a minimum benchmark of effort that is required to maintain professional competence. We take great pride in the fact that most other provinces and territories are using the APEGGA model as a basis for their own programs; a tremendous compliment to the committee that worked so long and so hard to develop our program.

#### **Contract Employment**

Recently, Council approved a new guideline, developed by a subcommittee of the Practice Standards Committee and designed to assist members who work on a contractual basis and their employers. The guideline has three primary objectives: to clarify terminology; to clarify issues important in determining the role and responsibility of the employee in an "arm's length" contractual arrangement; and to highlight business practices that impact on legal, liability and taxation matters of both the professional member and the organization. The guideline has been favorably received and will be of great benefit to increasing numbers of our members as contractual employment becomes more commonly used as a means of engaging professional services.

#### **Partnerships in Health and Safety**

In January, a Memorandum of

Understanding between Alberta Labour and APEGGA was signed by myself and the Deputy Minister of Labour, Peter Kruselnicki, P.Eng., to signify our commitment to ensuring a safe and healthy work environment for our members and their employees or colleagues. The agreement will raise awareness of these issues and help members understand their role and responsibilities as professionals and the importance of health and safety training as part of the educational process. APEGGA and Alberta Labour will work together to promote this concept and to provide assistance to individuals and organizations in realizing the objectives of the program.

#### **In Conclusion**

My term as your President has given me the opportunity to attend meetings of other provincial associations and of CCPE, to meet with numerous members of the Legislature and of Municipal Councils, to meet with other organizations such as CEA, to attend the Science Olympics, to speak to Rotary and other groups, and to work with the many volunteers who serve on the various committees and branches that are so critical to the success of APEGGA. All that I saw and experienced made me extremely proud to represent our professional Association and I am even more convinced than before that, in many ways, we are a leader across the country and highly respected everywhere.

It has been a distinct privilege for me to work with a highly dedicated and capable Council that has provided excellent leadership for our Association and our professions and I thank them all most sincerely for their support. I particularly want to express my personal thanks to Fred Otto, P.Eng., Dan Motyka, P.Eng., and Connie Parenteau, P.Eng., who have so willingly filled in for me when I was unable to be present myself. And I want to thank our Executive Director and the staff of APEGGA who have provided tremendous support and advice to me throughout the course of the year.

To our incoming President, Dan Motyka, P.Eng., and the new Council, I offer my best wishes and support as they meet the many challenges that lie ahead in the coming year. And to each and every member of APEGGA, thank you all for your trust and confidence and for the honour and privilege of serving as your President. It has been an experience I shall never forget.

# Executive Director's Report

H. Neil Windsor, P.Eng.



The past year has been one of tremendous change for APEGGA and for our professions. Never in our history have we experienced such a rapid rate of change in technology, changes that have opened up a whole new marketplace, a global marketplace. This has brought with it a new set of challenges for APEGGA, and for our professional members, and with that a need to adapt to our changing environment in order to meet the changing needs of our members and the public we serve.

The economy of Alberta is experiencing rapid growth as well and this is expected to result in a serious shortage of qualified professionals to meet the demands of industry. These demands can not be met locally and, perhaps, not even nationally. Consequently, industry will look offshore to find the skills it requires and this will place incredible demands on our registration and regulatory systems. We must prepare for this and ensure that through it all the safety of the public remains paramount and is not compromised in any way. Innovative new ways to take maximum advantage of the skills currently available in Alberta must be found.

As well, opportunities are opening up to our members worldwide and many of our Permit holders are competing on the world stage with a high measure of success. Numerous examples of very difficult and challenging projects being successfully carried out by Alberta-based firms have been reported widely. As a result, our knowledge-based industries are becoming highly respected and are beginning to represent a major component of Alberta's export product. We must consider carefully what APEGGA must do to support our member firms and ensure they continue to be competitive in this new market and contribute to the Alberta Advantage.

## Administrative Restructuring

Last year, I reported that certain changes to the administrative structure had been made in order to streamline and more clearly delineate the responsibilities of the departments. This initiative has been highly successful and generally well accepted by all

staff personnel. Department managers have responded to the challenges presented to them and have performed exceptionally well in their new roles.

The Calgary office was strengthened by the addition of personnel to deliver the public relations, the continuing professional development and the science and tech outreach programs. This has greatly improved our ability to serve members in southern Alberta and to deliver these very important programs.

During the course of the year, a study of our classification system was carried out, with staff participation, under the guidance of Ernst & Young. This has given us a system that ensures that all positions are rated fairly in relation to all others and that staff are being compensated at a level comparable to and competitive with the current marketplace.

## APEGGA Web Site

The Web site has been expanded, and is currently undergoing continuing changes, to provide a broader range of services to members, potential members and others who may have an interest in APEGGA. Added this year is an APEGGA Events Calendar, registration information and forms, job postings, selected PEGG articles, and the new Mega Page for students, parents and educators. Additional features will be added and a completely new design with interactive features will be initiated during the coming year.

## Business Plan

The business plan, *1997 And Beyond*, has proven to be a sound guide for the current year and was accepted by Council as being valid for the current year as well. Concerns for what the needs of our members will be in the year 2007 were considered at length by Council at its strategy session last May and will also be the basis for discussion this year. Regular review and revision is necessary in order to remain relevant to the needs of our members and the public, and to ensure that policies and programs remain current and effective.

## National Participation

APEGGA continues to lend active support to the Canadian Council of Professional Engineers. With the for-

mal establishment of the Canadian Council of Professional Geoscientists, we also are contributing to this new national umbrella body, in part, by providing administrative support through our Calgary office. APEGGA members play an active role in both national bodies. Noel Cleland, P.Eng., is an Executive Committee Member of CCPE, while Dr. Fred Otto, P.Eng., serves as APEGGA Director to CCPE. Dr. Gordon Williams, P.Geol., is the national Chair of CCPG and APEGGA has yet to fill the CCPG Director position.

## Financial

Once again, APEGGA has shown solid financial performance and, at the year's end, enjoyed a favorable budgetary position with draw down from operating reserves just slightly higher than budgeted, due to a change in accounting policy to bring us more in line with current day trends. As well, certain accounting procedures have been revised to reflect more accurately the true cost of various programs, thereby providing Council with more timely and meaningful financial information.

For 1998-99, Council has approved a budget which does not require an increase in membership fees as scheduled in the five-year business plan. Growth in revenues due largely to increased membership and careful management of expenditures, together with a lower than expected draw down from operating reserves, will satisfy our financial requirements for the coming year.

## Growth

Applications for membership continue to exceed the demands of previous years due to the high level of economic activity currently being experienced in Alberta. Applications for new membership increased by 5.7 per cent over the previous year and actual registrations by 2.8 per cent. With an estimated of \$42 billion in capital expenditures currently ongoing in the province, this increase is expected to continue for some time.

In March, our 30,000th professional member was registered—thus attaining a significant milestone in our history—and we expect to register

more than 1,500 new members this year as well.

The number of Permits issued to firms doing business in the province has risen quite sharply during the past year. This is clear recognition of the value that registration has to these corporate members and their commitment to and acceptance of the concept of corporate licensure and regulation.

Nevertheless, we continue to be concerned that many fully qualified graduates do not see value in holding professional membership. Pride of professional membership and the right to accept responsibility for one's work should be incentive enough even if the tangible benefits of holding APEGGA membership are not of interest. Permit holders continue to employ graduates to carry out work under the supervision of others even though job postings require eligibility for registration in APEGGA as a pre-condition to employment. The logical next step is to require those employees to hold professional membership and sign off on their own work. Much has been accomplished, yet much remains.

#### Branches & Committees

The hundreds of professional members who give freely of their time, energy and knowledge to do all things necessary to run our professional organization are the lifeblood of APEGGA. Their dedication to their professions is the foundation on which is built a strong organization with the ability to respond to the ever-changing needs of the professions and society. Untold hours of volunteer effort to the various committees, boards and branch associations provide invaluable advice and assistance to both Council and staff in carrying out our mandate, and give depth and strength to all that we do.

#### Member Services

Council has approved a policy that will permit the introduction of certain benefits of membership which will improve the affinity of members to their professional Association. These will not be allowed to detract in any way from the main focus of APEGGA on our regulatory responsibilities, or from our professional image and integrity. They will be carefully selected so as not to make us appear to be self-serving but will bring us more in line with other professional associations. And they will be essentially revenue neutral and, in most cases, delivered by others.

#### Conclusions

By all standards, the past year can

only be considered as a banner year for APEGGA. Unprecedented growth has seen us exceed the 30,000-member plateau and projections for future growth remain strong. New policies and programs to meet changing needs have been initiated and, in many areas, we have led the way for other provincial and territorial associations. Our financial position remains strong and expectations for the near future are favorable. In short, APEGGA is a vibrant and viable professional association fulfilling the mandate given to us by the EGGP Act to regulate our professions and ensure the safety of the public.

For me personally, the year has been extremely rewarding. I have had the pleasure of visiting all of our branches and discussing with our members and Permit holders their concerns and ideas. The branch executives continue to play a strong supporting role to Council and staff in helping to maintain contact with our members and in delivering programs.

Working with Council, and more

particularly the Executive Committee, has provided challenges and opportunities that have been both interesting and rewarding. The support and understanding of Council has been key to allowing staff the freedom to fulfil the tasks at hand without undue interference and without conflict. This has made the year a truly rewarding experience for us all.

I have also had the pleasure of working closely with a President who has shown uncommon dedication and courage in the face of extreme personal difficulties. Dennis Lindberg, P.Eng., has been an inspiration to us all. Always a kind and pleasant manner, always a word of thanks and encouragement, always prepared to do whatever was asked or expected of him, and always a deep understanding for the views of others and a willingness to accept that there might be another way, makes working with him a pleasure and a privilege for us all. His dedication and contribution to APEGGA and to his profession will not soon be forgotten.

#### APEGGA 1997-1998 COUNCIL



#### *Standing (left to right):*

*Stanley Souch, PhD, (Public Member of Council); Coun. Mark Lasby, P.Eng.; Coun. Mike Strong, P.Eng.; Coun. Jim Montgomery, P.Eng., PhD; Coun. Julie Aitken, P.Geoph.; Coun. Neil O'Donnell, P.Eng., P.Geol.; Coun. Alan Blackie, P.Geol.; and Donald Hoover, P.Ag. (Public Member of Council);.*

#### *Seated (left to right):*

*Noel Cleland, P.Eng, (formerly Alberta Director Canadian Council of Professional Engineers, current member of the CCPE Executive Committee); Coun. Bonnie Stowkowy, P.Eng.; Coun. Sue Evison, P.Eng.; Dennis A. Lindberg, P.Eng. (President); Fred Otto, P.Eng., PhD (Past President, and Alberta Director CCPE); Dan Motyka, P.Eng. (1st Vice President); Connie Parenteau, P.Eng. (2nd Vice President); and Coun. Elizabeth Cannon, P.Eng., PhD.*

*Missing: Coun. John Boyd, P.Geoph.; Coun. Dale Miller, P.Eng.; Coun. Alice Payne, P.Geol.; and Michael Stevens-Guille (Public Member of Council).*

# Registration Report

*Dave Todd, P.Eng., Director Registration & Compliance*

The Registration Department is responsible for the processing of new applications, reactivation of old applications, and the maintenance of existing memberships and Permits to Practice. Nineteen-ninety-seven saw an increase in applications received of 5.7 per cent, and an overall total membership increase of 2.7 per cent, to 29,952. Life membership numbers grew at the rate of 7.8 per cent, reflecting the early retirements and aging of our membership. The number of Professional Members increased by 1.7 per cent, Members-In-Training by 5.6 per cent, and Licensees by 20.8 per cent, reflecting the economic activity in Alberta. Membership cancellations for non-payment were reduced by 50 per cent due to anniversary invoicing of Member fees.

## Board of Examiners

The Board of Examiners' purpose is to ensure that individuals approved for registration meet the standards for admission as defined in the Act and Regulations. An applicant's academic background and experience are the Board's primary focus, but character, English language competency, and knowledge of professional law and ethics are other qualifications that must be met. During 1997, the Board's Executive Committee met 11 times to consider 2,413 individual applications. The entire Board met twice to consider policy issues, examination results, and three appeals of decisions of the Executive Committee. The Board agreed that a report from the three Public Members on the Board would be included in the APEGGA Annual Report.

## Academic Qualifications

The Board will conduct an in-depth review of the results of APEGGA's participation in the National Pilot Project to Source Technical Examinations from the Professional Engineers of Ontario (PEO). For the past three sessions, the Board used the PEO technical examinations for the assigned Mechanical Engineering and Complementary Studies examinations.

## Experience Qualifications

The Board began a study of experience in research and teaching in comparison with industrial experience. As well, policy changes which may be needed to fully align the admission process and the Continuing Professional Development program are under review.

## Good Character Qualifications

The Board agreed to continue furthering its work on the process and principles for making decisions.

## Knowledge of Professional Law and Ethics

The Board continues to refine the topics covered, the resource material and the effectiveness of the questions asked on the examination.

## Permits to Practice

Corporations, partnerships and other like entities that are engaged in the practice of engineering, geology, and geophysics are registered by APEGGA with the issuance of a Permit to Practice. There has been a net increase of 6.4 Per cent in the number of active Permits over 1996. This reflects a more aggressive focus on compliance, in combination with the economic activity.

## Report by Public Members Of the Board of Examiners

*Ted Allen, C.A.  
Niha Prasad-Kroliczek, BA, CHRP  
Erika Gerlock, LL. B.*

The Board of Examiners continues to ensure that individuals approved for registration as professional engineers, geologists, or geophysicists meet the required standards both from an academic and experience standpoint. The qualifications of all candidates considered by the Board in 1997 were reviewed by an academic examiner to assess that academic standards had been met. The candidates' practical experience was then reviewed by an experience examiner to assess if the practical experience was of the required level. Both the academic and experience examiners then present their reports to the Executive Committee of the Board which determines if the proper standards have been met for registration, or if more exams must be passed or more experience obtained.

We are satisfied that all candidates have been treated fairly, that the standards of the profession have been maintained, and that the public interest has been served.

The entire Board of Examiners meets twice a year to consider and make policy recommendations to Council, as well as to hear appeals of decisions of the Executive Committee. We can report that all policy matters are thoroughly researched and extensively debated before any recommendations are forwarded to Council. The appeals were also given careful consideration and, in our opinion, dealt with fairly.

## P E R M I T S

	1995	1996	1997
New Issue	220	189	255
Voluntary Cancellations	88	83	113
Reinstatements	95	31	11
Cancellations by APEGGA	67	46	11
Active Permits - End of Year	2,127	2,218	2,360



# Key Statistics

## MEMBERSHIP SUMMARY

	1997	1996	Percent Change
Life/Honorary Member	2,535	2,351	7.8
Professional Member	23,797	23,399	1.7
Licensee	145	120	20.8
Member-In-Training	3,161	2,993	5.6
Exam Candidate/Student	314	294	6.8
<b>Total</b>	<b>29,952</b>	<b>29,157</b>	<b>2.8</b>

## MEMBERSHIP DETAIL

Membership as of Dec. 31, 1997  
Net Change During 1997

### Life Members

P.Eng.	2,000	.151
P.Geol.	377	.22
P.Geoph.	83	.8
Dual Registration	21	.1
<b>Total</b>	<b>2,481</b>	<b>.182</b>

Honorary Life Members	.38	.1
Honorary Members	.16	.1

### Professional Members

P.Eng.	20,509	.436
P.Geol.	2,392	.24
P.Geoph.	833	.14
Dual Registration	.63	.0
<b>Total</b>	<b>23,797</b>	<b>.398</b>

### Licensees (Foreign)

P.Eng.	138	.26
P.Geol.	3	-.1
P.Geoph.	4	.0
Dual Registration	.0	.0
<b>Total</b>	<b>145</b>	<b>.25</b>

### Members-In-Training

E.I.T.	2,936	.142
Geol.I.T.	130	.18
Geoph.I.T.	55	.8
<b>Total</b>	<b>3,161</b>	<b>.168</b>

Exam Candidates .231 .16

Students .83 .4

**Total Membership .29,952 .795**

## APPLICATIONS RECEIVED

For APEGGA

	Dec. 97	Dec. 96	Percent Change
Professional Member	1,248	1,053	18.5
Licensee	42	74	-43.2
Member-In-Training	1,059	1,086	-2.5
Student	13	16	-18.7
Other	8	14	-42.9
<b>Total</b>	<b>2,370</b>	<b>2,243</b>	<b>5.7</b>
For APEYT & NAPEGG	43	55	-21.8

## APPLICATIONS APPROVED

### BY BOARD

	Members		MITs		Foreign Licensees		Exam Candidates		Students	
	1997	1996	1997	1996	1997	1996	1997	1996	1997	1996
From MIT	515	511								
From Exam/Student	19	15	25	13						
New	498	375	912	1,139	24	9	110	128	30	40
<b>Total</b>	<b>1,032</b>	<b>901</b>	<b>937</b>	<b>1,152</b>	<b>24</b>	<b>9</b>	<b>110</b>	<b>128</b>	<b>30</b>	<b>40</b>
<b>By Staff/Council:</b>										
Reinstates	272	570	83	116	3	12	9		4	
Resign/Cancel	334	244	42	14	2	29				
Struck/Expired	321	665	295	303		41				
Deceased	83	51								
Withdrawn							83	81	37	59
<b>Total</b>	<b>1,010</b>	<b>1,530</b>	<b>420</b>	<b>433</b>	<b>5</b>	<b>82</b>	<b>83</b>	<b>90</b>	<b>37</b>	<b>63</b>

# Report by Public Members of Council

*Dr. Stan Souch*



*Don Hoover, P.Ag.*



*Michael Stevens-Guille*



As you will note, there are now three Public Members on the APEGGA Council. We have watched with interest, the change in Council's functions since the introduction of the Governance Manual and its final acceptance in early 1997. One focus of Council this year has been to look into the future, and to plan ahead. At the Strategic Planning Session held in May, Council considered the challenges that engineers, geologists, and geophysicists would face, and what services they would need from their professional organization in five and ten years; a very beneficial exercise. It will be important for APEGGA to continue this process, and to take seriously what it has determined to be its future direction and course of action.

Issues and programs continue from year to year. The ASET/APEGGA issue has been considered seriously, and hopefully progress will result in a satisfactory relationship between the two organizations. The Discipline Committee and the Practice Review Board continue to operate with a strong desire to maintain a high level of public safety and professionalism within the APEGGA membership. This effort does not go unnoticed by the Public Members.

Continued efforts at increasing the awareness of the role of APEGGA and its benefits to the membership are important, and will pay off to all members in the long run. It appears there will be a strong demand for engineers, geologists, and geophysi-

cists in the next few years as a large number of major projects get under way. This will certainly challenge the APEGGA organization.

Finally, the implementation of the mandatory Continuing Professional Development (CPD) program, following an extensive consultation process, marked a significant step forward in the ongoing professional development of APEGGA members.

The Executive Director and staff are a dedicated team, and provide ready knowledge to Council. Their efforts, along with direction from Council, have resulted in a well organized and financially sound professional organization.

We look forward to our association with the APEGGA Council during the upcoming year.



*Members of APEGGA Council and senior staff held a strategy planning session in May to consider challenges and issues faced by the professions of engineering, geology and geophysics.*

# APEGGA Images

**APEGGA President Dennis Lindberg, P.Eng., applauds a participant during one of the APEGGA-sponsored events held during National Science and Technology Week.**



**APEGGA's 30,000<sup>th</sup> registered member, Susan Kwan, P.Eng., (second from right) was recognized in the Alberta Legislature by the Honorable Stan Woloshyn, Minister of Public Works, Supply and Services (second from left). Also in photo are APEGGA Executive Director and Registrar Neil Windsor, P.Eng., (far left) and 1st Vice President Dan Motyka, P.Eng., (far right).**



**Bob Hawrelak, P.Eng., makes a presentation to Medicine Hat-area school children. APEGGA members continue to volunteer their time to make such science presentations at schools throughout Alberta.**



**APEGGA Council's meeting in September 1997 was held in Red Deer. In a continuing effort to hold at least one meeting a year outside Calgary and Edmonton, Council is scheduled to hold its September 1998 meeting in Lethbridge.**

**APEGGA President Dennis Lindberg, P.Eng. (right) and Alberta Deputy Minister of Labour Peter Kruselnicki, P.Eng., with certificate recognizing APEGGA as a participant in the Alberta Department of Labour-sponsored Partnership in Health & Safety Program. Under a memorandum of agreement signed in January 1998, APEGGA formalized its participation in the program aimed at making occupational health and safety a normal part of doing business.**



**APEGGA Councillor Neil O'Donnell, P.Eng., P.Geol., congratulates Kaye MacDonald, one of the 13 Alberta Teachers honored in the past year with APEGGA Teacher Awards in recognition of their special efforts and talent in teaching math and/or science. Ms. MacDonald teaches Grades 7-9 math at Sir John Thompson Catholic Junior High School in Edmonton.**



**In preparation for the Growth Summit, sponsored by the Government of Alberta in late September, APEGGA arranged two Mini Growth Summits in July where members of the Association helped draft the submission APEGGA later forwarded to the Growth Summit. Here, the chair of the mini-summit, John McDougall, P.Eng., (back to camera, right) addresses the Edmonton session.**

# Financial Statements Year Ended December 31, 1997

## AUDITOR'S REPORT

To the members of  
The Association of Professional Engineers,  
Geologists and Geophysicists of Alberta

I have audited the statement of financial position of The Association of Professional Engineers, Geologists and Geophysicists of Alberta as at December 31, 1997 and the statements of operations, changes in net assets and cash flows for the year then ended. These financial statements are the responsibility of the Association's management. My responsibility is to express an opinion on these financial statements based on my audit.

I conducted my audit in accordance with generally accepted auditing standards. Those standards require that I plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In my opinion, these financial statements present fairly, in all material respects, the financial position of the Association as at December 31, 1997 and the results of its operations and the changes in its cash flows for the year then ended in accordance with generally accepted accounting principles.

My audit was made for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplementary information included in the Summary of Group Operations is provided for the purposes of additional analysis and is not a required part of the basic financial statements. Such supplementary information has been subjected to the auditing procedures applied in the audit of the basic financial statements, and in my opinion, is fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.



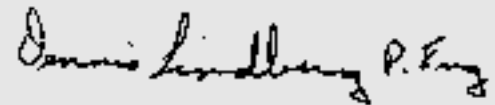
Bruce H. Childs Professional Corporation  
Chartered Accountant  
Edmonton, Alberta, Canada  
January 28, 1998

## STATEMENT OF FINANCIAL POSITION December 31, 1997 with comparative figures for 1996

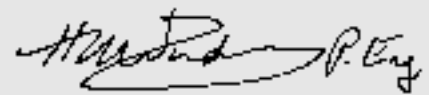
	1997	1996 <i>(note 1)</i>
<b>ASSETS</b>		
<b>CURRENT ASSETS:</b>		
Cash	\$ 690,955	\$ 814,058
Accounts receivable	711,000	72,517
Inventory of educational materials	48,550	37,743
Prepaid expenses	6,224	9,349
	<u>1,456,729</u>	<u>933,667</u>
<b>CAPITAL ASSETS (note 2)</b>	<b>372,714</b>	<b>344,680</b>
<b>INVESTMENTS - at cost</b>	<b>3,375,612</b>	<b>2,229,990</b>
(market value \$3,456,086 - 1996 \$2,309,434)		
<b>STUDENT LOAN ACCOUNT</b>	<b>11,718</b>	<b>11,340</b>
	<u>\$ 5,216,773</u>	<u>\$ 3,519,677</u>
<b>LIABILITIES AND NET ASSETS</b>		
<b>CURRENT LIABILITIES</b>		
Accounts payable & accrued liabilities	\$ 38,918	\$ 151,938
Prepaid revenue	2,387,320	428,602
	<u>2,426,238</u>	<u>580,540</u>
<b>OBLIGATION UNDER CAPITAL LEASES (note 3)</b>	<b>286,204</b>	<b>254,634</b>
<b>NET ASSETS</b>	<b>2,504,331</b>	<b>2,684,503</b>
	<u>\$ 5,216,773</u>	<u>\$ 3,519,677</u>

### LEASE OBLIGATIONS (note 5)

Approved on behalf of the Council:



President



Executive Director

**STATEMENT OF OPERATIONS**Year ended December 31, 1997,  
(with comparative figures for 1996)

	1997 Actual	1997 Budget <i>(Unaudited)</i>	1996 Actual <i>(note 1)</i>
<b>REVENUES</b>			
Dues	\$ 3,627,653	\$ 3,748,000	\$ 3,443,100
Permit fees	425,745	425,500	394,407
Registration fees	217,315	203,000	209,178
Examination fees	84,460	56,000	64,747
General revenue	524,152	485,500	461,600
	<u>4,879,325</u>	<u>4,918,000</u>	<u>4,573,032</u>
<b>EXPENSES</b> (schedule)	<u>5,059,497</u>	<u>5,094,259</u>	<u>4,348,866</u>
<b>EXCESS OF REVENUE OVER EXPENSES</b> (expenses over revenue)	<u>\$ (180,172)</u>	<u>\$ (176,259)</u>	<u>\$ 224,166</u>

**STATEMENT OF CASH FLOWS**Year ended December 31, 1997  
(with comparative figures for 1996)

	1997	1996 <i>(note 1)</i>
<b>CASH FLOWS FROM OPERATIONS</b>		
Cash received from members	\$ 5,672,352	\$ 4,495,969
Cash received from general revenue	527,207	456,882
Cash paid for salaries and benefits	(1,680,000)	(1,434,152)
Cash paid for materials and services	(3,363,723)	(2,747,273)
Net cash generated through operations	<u>1,155,836</u>	<u>771,426</u>
<b>CASH FLOWS USED IN INVESTING ACTIVITIES</b>		
Purchase of capital assets, net of related obligations	132,463	121,246
Purchase of investments	1,146,121	127,265
Student loan account	355	363
Net cash used in investing activities	<u>(1,278,939)</u>	<u>(248,874)</u>
<b>NET INCREASE (DECREASE) IN CASH</b>	<u>(123,103)</u>	<u>522,552</u>
<b>CASH AT BEGINNING OF YEAR</b>	<u>814,058</u>	<u>291,506</u>
<b>CASH AT END OF YEAR</b>	<u>\$ 690,955</u>	<u>\$ 814,058</u>

**STATEMENT OF CHANGES IN NET ASSETS**

Year ended December 31, 1997 (with comparative figures for 1996)

Net assets	Invested in Capital Assets	Unrestricted	1997 Total	1996 Total
Balance, beginning of year				
As previously reported	\$ 119,300	\$ 2,594,457	\$ 2,713,757	\$ 2,460,337
Change in accounting policy <i>(note 1)</i>	(29,254)	-	(29,254)	-
As restated	90,046	2,594,457	2,684,503	2,460,337
Excess of revenues over expenses	(157,389)	(22,783)	(180,172)	224,166
Investment in capital assets	153,853	(153,853)	-	-
Balance at end of year	<u>\$ 86,510</u>	<u>\$ 2,417,821</u>	<u>\$ 2,504,331</u>	<u>\$ 2,684,503</u>

## NOTES TO FINANCIAL STATEMENTS

Year ended December 31, 1997

The Association is incorporated under the Engineering, Geological and Geophysical Professions Act of Alberta.

### Mission Statement

To serve society by regulating, enhancing and providing leadership in the practice of the professions of engineering, geology and geophysics.

## SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

These financial statements have been prepared in accordance with generally accepted accounting principles in Canada.

### Revenue Recognition

Revenue is recorded on the accrual basis, reduced by unpaid dues of members struck from the register.

### Inventory of Educational Materials

Inventory of educational materials is valued at the lower of cost and net realizable value.

### Investments

Investments are reported at cost. When there has been a decline in the value of the investments which is other than temporary, the carrying value is reduced accordingly.

### Capital Assets

Capital assets are stated at cost. Amortization is recorded on the following bases and annual rates:

Asset	Rate	Basis
Furniture and fixtures	10%	straight-line
Leasehold improvements	20%	straight-line
Computer	30%	declining balance
Computer Equipment under capital lease	30%	declining balance

### Pension Costs and Obligations

Current service costs are charged to operations as they accrue based on services rendered by employees during the year.

Adjustments arising from plan amendments, changes in assumptions, experience gains and losses and the difference between the actuarial present value of accrued benefits and the value of pension fund assets at January 1, 1993 are amortized over the expected average remaining service life of the employee group. As there are restrictions on the ability of the Association to access surplus balances, these adjustments are recognized only to the extent of current service costs.

## 1. CHANGE IN ACCOUNTING POLICY

The Association has changed its policy of recording computer equipment under leases to reflect the cost of such equipment as Computer Equipment under Capital Lease, and to reflect the corresponding liability for future payments as Obligations under Capital Leases. In prior years, lease payments were expensed as incurred. This change has been applied retroactively and the comparative figures for 1996 have been adjusted accordingly. The effect of this change has been a reduction in earnings of \$ 29,500 (1996 - \$ 29,254).

## 2. CAPITAL ASSETS

			1997	1996
	Cost	Accumulated Amortization	Net Book Value	Net Book Value
Furniture & Fixtures	\$ 168,407	74,959	93,448	78,759
Leasehold Improvements	11,860	5,333	6,527	2,381
Computer	128,230	82,942	45,288	38,160
Computer Equipment under Capital Lease	392,934	165,483	227,451	225,380
	<u>\$ 701,431</u>	<u>\$ 328,717</u>	<u>\$ 372,714</u>	<u>\$ 344,680</u>

## 3. OBLIGATIONS UNDER CAPITAL LEASES

The following is a schedule of future minimum lease payments:

	1997	1996
	<u>1997</u>	71,269
	<u>1998</u>	71,269
	<u>1999</u>	71,269
	<u>2000</u>	98,623
	341,274	312,430
Less amount representing interest	55,070	57,796
	<u>286,204</u>	<u>254,634</u>

#### 4. PENSION PLAN

The Association maintains a defined benefit pension plan which covers its full time employees. The most recent actuarial valuation, as at December 31, 1996 indicated that the present value of accrued pension benefits was \$ 2,033,000. The value of pension fund assets, determined from market values, as at December 31, 1997 was \$ 4,027,000.

#### 5. LEASE OBLIGATIONS

The Association leases office premises and equipment under agreements expiring on various dates from January 1998 to September 2004. The minimum lease payments including estimated operating costs and GST, for each of the next five years are as follows:

1998	\$ 323,000
1999	\$ 315,000
2000	\$ 330,000
2001	\$ 325,000
2002	\$ 324,000
Thereafter	\$ 480,000
<b>TOTAL</b>	<b>\$ 2,097,000</b>

#### 6. COMPARATIVE FIGURES

In 1997 the Association changed its accounting classifications for expenses, therefore the Summary of Group Operations and Schedule of Expenses are presented in non-comparative form.

#### SCHEDULE OF EXPENSES Year Ended December 31

	1997	1997
	Actual	Budget (Unaudited)
Meeting Expenses	\$ 674,419	\$ 727,475
General Expenses	893,602	869,925
Exam Administration Expenses	160,081	139,740
Printing and Stationery Expenses	370,543	453,939
Office Rent and Parking Expenses	237,688	254,000
Insurance Expenses	12,545	13,300
Salaries and Benefits Expenses	1,658,756	1,600,000
Personnel Administration Expenses	60,780	37,400
Office Equipment Expenses	150,144	111,000
Consultants Expenses	699,863	800,425
Depreciation and Amortization	136,101	23,000
Other Expenses	4,975	64,055
	<u>\$ 5,059,497</u>	<u>\$ 5,094,259</u>

#### SUMMARY OF GROUP OPERATIONS Year ended December 31

	1997	1997
	Actual	Budget (Unaudited)
Administration	\$ 2,654,136	\$ 2,365,000
Council	210,231	272,180
CCPE	239,775	245,000
Registration	476,966	445,549
Enforcement	31,797	39,200
Discipline	135,283	157,250
Practice Standards	50,910	140,095
Professional Development	186,987	251,790
Communications	1,073,412	1,178,195
	<u>\$ 5,059,497</u>	<u>\$ 5,094,259</u>

# Committee, Board and Task Force Reports

## INVESTIGATIVE COMMITTEE

*Dale Miller, P.Eng., Chair*

The primary objective of the Investigative Committee is to investigate complaints received against members of alleged unskilled practices or unethical conduct. Investigations are undertaken in camera. If the

investigations reveal evidence to support the allegations, the Investigative Committee then prosecutes the matter before the Discipline Committee of the Association. Alternatively, the member may accept a stipulated order to avoid the formal hearing. By accept-

ing a stipulated order, the member agrees to a statement of facts and acceptance of a specified penalty.

The committee meets on a regular basis, usually monthly, to review the finding of the investigations undertaken on the various cases. Each investigation is conducted by a three-member panel of the committee and normally includes interviews with the member under investigation and the complainant.

Since inauguration (July 1, 1996), six stipulated orders have been offered and 11 cases have or will proceed to formal hearings. A total of 11 cases are currently under investigation.

The committee members conduct themselves in a very professional manner and it is certainly a pleasure to chair the committee. I personally wish to thank the committee members for the many hours of their time they donate to this Association for the betterment of our professions.

### COMMITTEE MEMBERS

Dale Miller, P.Eng., Chair, APEGGA Councillor	Garry Maxwell, P.Eng.
Robin Black, P.Eng., PhD	Dan McGuigan, P.Eng.
Anast Demitt, P.Eng.	Paul Preville, P.Eng.
Wayne Delbeke, P.Eng.	Mike Smyth, P.Eng.
Richard Feilden, P.Eng.	Wes Snihur, P.Eng.
Andy Gilliland, P.Eng.	Brian Somerville, P.Eng.
Alf Hartling, P.Geol.	Mike Strong, P.Eng., APEGGA Councillor
Barbara Howes, P.Eng.	Joseph North, PhD, Public Member
Doug Jamieson, P.Eng.	Barry Massing, LL.B., Legal Counsel
Gary Johnston, P.Geoph.	<i>APEGGA Staff</i>
Raj Kaliandasani, P.Eng.	Stewart McIntosh, P.Eng., Director, Special Projects
Paul Kavanagh, P.Geol.	

## DISCIPLINE COMMITTEE REPORT

*Gerry DeSorcy, P. Eng., Chair*

Nineteen-ninety-seven was the first full year under APEGGA's new discipline process. Under the revised process, a panel of three members of the Discipline Committee hears both sides of the case, that of the member complained against and the Investigative Committee's, and makes its decision based solely on the evidence presented at the hearing. After

having conducted only two hearings, it is apparent that the new process is more demanding of time, but is also more thorough and respectful of members' rights to natural justice.

Stipulated orders are an alternative to formal hearings. If the member is willing to admit to unprofessional conduct or unskilled practice, the Investigative Committee and member may agree on certain sanctions. The

Discipline Committee case manager reviews the penalty or order which the Investigative Committee recommends and makes the final decision. The process has been used effectively to resolve six discipline cases without hearings in 1997.

The new process has required a common understanding of the specific responsibilities of both the Discipline and Investigative Committees. Two meetings with the Investigative Committee and Appeal Board chairs, counsels and directors were used to plan and prepare for a joint meeting of the full committees in early 1998. We expect that streamlining of policies and procedures will help to minimize the complexity and time required by discipline hearings.

### COMMITTEE MEMBERS

Gerry DeSorcy, P. Eng., Chair	Bob Ross, P. Eng.
Bruce Alexander, P. Eng.	Larry Staples, P. Eng.
Elizabeth Cannon, P. Eng., PhD, APEGGA Councillor	Jake Thiessen, P. Eng.
Neil Colvin, Public Member	Chris Wade, P. Eng.
Michael Day, P. Geol.	John Williams, P. Eng.
Allin Folinsbee, P. Geoph., PhD	Dwayne Chomyn, LL.B., Legal Counsel
Dwayne Kalynchuk, P. Eng.	<i>APEGGA Staff</i>
Dan Motyka, P. Eng., APEGGA 1st Vice President	Ray Chopiuk, P. Eng., Director, Professional Practice
Valerie Nielsen, P. Geoph.	

### DISCIPLINE COMMITTEE ACTIVITY UNDER THE NEW PROCESS

	1997	1996
Formal Hearings	2	1
Stipulated Orders	6	0



## APPEAL BOARD

### *David Irving, P.Eng., Chair*

The discipline process of the Association may result in outcomes that are unacceptable to the member who has been disciplined, or to the person who lodged a complaint about a member's conduct. As well, the processes used by the Board of Examiners, and the Practice Review Board may trigger an appeal of those board's findings. The Appeal Board is mandated, under the Act, to provide Association members and those members of the public affected by Association processes, a full right of

appeal to allow a review of decisions and actions by those committees and boards.

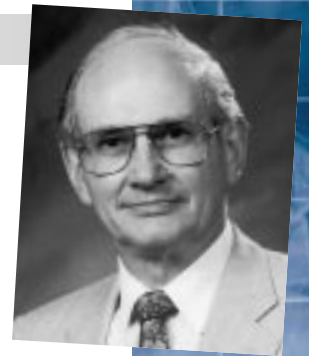
During the reporting period, two hearings were held. Both of these hearings were appeals of decisions by the Investigative Committee to terminate an investigation into a complaint about a member's conduct. In each case, the Appeal Board decided to uphold the decision to terminate the investigation. After hearing from the complainant, the Investigative Committee representative and the member under investi-

gation, and after thoroughly reviewing the initial evidence, along with any additional material brought to the hearing, a decision was reached in an objective and fair manner as possible.

The Appeal Board continues to monitor the revised discipline process introduced in 1996. Where needed, specific policies and practices are adjusted to meet the board's prime objective.

Appeal hearings are normally open to the public, unless there is a specific and compelling reason on the part of one of those affected, and this practice has been followed.

I welcome the appointment of the Appeal Board's first public member, George Jones, P.Ag., and would like to thank him and all of the board members for their support and dedication to this important part of this Association's work.



#### B O A R D M E M B E R S

David Irving, P.Eng., Chair

Vic Benz, P.Eng.

Al Blackie, P. Geol., APEGGA Councillor

Bob Comer, P.Geoph.

George Jones, P.Ag., Public Member

Walter Litvinchuk, P.Eng.

Judy Newbert, P.Eng.

Brendan O'Flynn, P.Eng.

Dale Rokosh, P.Eng.

Jim Seale, P.Eng.

Kevin Walker, P.Eng.

Paul Sharek, LL.B., Legal Counsel

*APEGGA Staff*

Al Schuld, P.Eng., Deputy Registrar

## REPORT BY PUBLIC MEMBERS ON INVESTIGATIVE COMMITTEE, DISCIPLINE COMMITTEE AND APPEAL BOARD

APEGGA endeavors through its Investigative and Discipline Committees and the Appeal Board, to address complaints against members of the Association. These groups constantly try to ensure that concerns raised relative to matters, such as unprofessional conduct of APEGGA members, are addressed in a prudent and just manner. The members of these groups have exemplified

professionalism in dealing with the concerns of complainants, and the responses from APEGGA members under investigation.

The three groups continue to review and improve their operating procedures. This is done to protect the interests of the public and to meet the challenges facing APEGGA's professions in Alberta. The Engineering, Geological and

Geophysical Professions Act, and a review of the various procedures employed by similar groups across Canada, are both used to enhance this process of continuous improvement.

While the number of cases brought before the two committees and the Appeal Board are kept to a minimum through such procedures as the mediation efforts of the APEGGA staff, the cases that do proceed are most challenging.

We, as public members, are impressed with the concern, objectivity, and overall quality of performance displayed by the members of the Investigative Committee, the Discipline Committee, and the Appeal Board.

#### PUBLIC MEMBERS ON INVESTIGATIVE COMMITTEE, DISCIPLINE COMMITTEE AND APPEAL BOARD

George Jones, P.Ag., Appeal Board

Neil Colvin, Discipline Committee

Joseph North, PhD, Investigative Committee

## ACT, REGULATIONS AND BYLAWS COMMITTEE

### *Gordon Stewart, P.Eng., Chair*



The Act, Regulations and Bylaws Committee's (ARB) primary purpose is to advise and assist the Executive Director and staff to recommend amendments to the Engineering, Geological and Geophysical Professions Act, Regulations and Bylaws; and to ensure they clearly reflect the intent of the legislation and current Association policies governing the practice of engineering, geology, and geophysics as three distinct professions.

The ARB's goal is to ensure proposed revisions to the Act, Regulations and Bylaws are effectively and thoroughly

evaluated in terms of appropriateness, conformance to policy and intent of the legislation, and consistency of wording; and are processed in a timely and effective manner. With regard to other professions, occupations and activities, it is the committee's responsibility to review and to make recommendations to Council when requested, relative to any new and amending legislation to ensure compatibility with the EGGP Act and Regulations.

Revisions to the EGGP Act to enable implementation of the mandatory Continuing Competence Program, accommodation of the

Executive Director as a standing member of the Executive Committee, delegation of the selection of practice reviews to the Practice Review Board, and exemption of the service of professional engineers from being levied a "Business Licence Fee" were presented and approved at the 1997 Annual General Meeting.

During 1997, the ARB developed revisions to the EGGP Act to facilitate the regulation of corporate practice. They were approved by APEGGA Council in February and will be presented at the 1998 Annual General Meeting.

The difficult and tedious job of amending the EGGP Act could not be accomplished without the dedication of the committee members, the Association solicitor, and APEGGA staff, whom I would like to acknowledge and thank.

#### C O M M I T T E E M E M B E R S

Gordon Stewart, P.Eng., Chair

Don Bellow, P.Eng., PhD

Dave Chalcraft, P.Eng.

Rory Hankel, P.Geol.

Harish Joshi, P.Geoph.

Al Kiernan, P.Eng.

Dave Rumbold, P.Eng.

Barry Massing, LL.B., Legal Counsel

#### *APEGGA Staff*

Dave Todd, P.Eng., Director,  
Registration & Compliance

## AGM/SUMMIT AWARDS COMMITTEE

### *Wenona Irving, P.Eng., Chair*



The purpose of the AGM/Summit Awards Committee is to plan and promote the annual Summit Awards gala and the AGM Luncheon. The Summit Awards event is APEGGA's largest social event and formally showcases the accomplishments of APEGGA professionals and their contributions to society. Through pre-event promotion, the event itself and post-event advertising in local

newspapers, we strive to raise the profile of the member professions both within the membership and with the general public.

Our Summit Awards event, in April 1997, was held in Calgary and had a carnival theme entitled "Unmasking Excellence". The event was initiated with a reception that included stilt walkers, jugglers and carnival games. The evening continued with dinner, a series of musical and dramatical entertainers and, of course, the pre-

sentation of the awards themselves.

The committee currently is working on the finishing touches to the Summit Awards event planned for Edmonton in April 1998. The event for 1998 has an Orient Express theme entitled "Success is a Journey". We will celebrate the successful union of human adventure and technological performance. The format of our evening will include the usual components of a stimulating pre-dinner reception, dinner, entertainment and the all important award presentations. However, we have modified the program somewhat this year to allow extra time at the end of the evening for a dance to be hosted by entertainers Tommy Banks and Sheri Sommerville.

#### C O M M I T T E E M E M B E R S

Wenona Irving, P.Eng., Chair

Don Heuchert, P.Eng.

Brenda Barron, P.Eng.

Stephen Calderwood, P.Eng.

#### *APEGGA Staff*

Trevor Maine, P.Eng.,  
Director, Communications

## CSEG/CSPG/APEGGA LIAISON COMMITTEE

### Alice Payne, P.Geol., Chair

During the past year, the Canadian Society of Exploration Geophysicists/Canadian Society of Petroleum Geologists/APEGGA Liaison Committee continued its vital work to improve the quality of communications between APEGGA and the two technical societies representing most of the geologists and geophysicists in APEGGA.

The establishment of the Canadian Council of Professional Geoscientists (CCPG) was successful at last, thanks to the efforts of Gordon Williams, P.Geol., PhD. The CCPG has established a Standards Board and is developing syllabi in basic geology, and environmental geology, and work is in progress on a geophysics syllabus.

All of this information has been published in various media, and the Liaison Committee will continue its efforts to make sure that the students at Alberta universities are made aware of registration requirements. The CCPG is planning a number of other initiatives, including discussions with NAFTA representatives and the immigration department. These activities will be monitored and key results passed on when appropriate.

A number of items discussed by APEGGA Council have been reviewed and forwarded to the CSPG and the CSEG for comment. These items included a report on interaction with technical societies, implementation of changes to corporate licensure,

regulatory reform of the Engineering, Geological and Geophysical Professions Act, and recommendations for changes to the *Code of Ethics*.

An important item for the CSEG was the recommendation to eliminate the "six year rule" as recommended by the Board of Examiners Experience Committee. The reasons for this change were presented to the Committee by Don Lawton, P.Geoph., PhD, who has recently been appointed as head of the Geology and Geophysics Department at The University of Calgary.

The Liaison Committee has recommended to Council that immediate steps be taken, with or without ASET approval, to proceed with implementation of the Specified Scope of Practice concept developed in 1995-1996. It was felt that this concept should include geoscientists and other groups who would not necessarily be members of ASET. This idea will be taken forward to the APEGGA Board of Examiners for their consideration.



#### COMMITTEE MEMBERS

Alice Payne, P.Geol., Chair,  
APEGGA Councillor  
Ellen Biasucci, P.Geoph.  
Dave Devenny, P.Geol., P.Eng., PhD  
Darcie Greggs, P.Geol.  
Bill May, P.Geol.  
Neil Rutherford, P.Eng., P.Geoph.

Mike Seth, P.Eng.  
Bonnie Stowkowy, P.Eng.,  
APEGGA Councillor

#### APEGGA Staff

Al Schuld, P.Eng.,  
APEGGA Deputy Registrar

## COMMUNICATIONS PLANNING COMMITTEE

### John Kramers, P.Geol., PhD., Chair

The Communications Planning Committee (CPC) was formed out of four previous APEGGA committees, under the new governance model adopted by Council. These committees were: the Public and Member Relations; the Publications and Editorial Advisory Committee; the Edmonton Career Counselling Committee, and the Calgary Career Counselling Committee. The purpose of the CPC is to advise and assist the Executive Director (or designate) in

carrying out the Association's communications plan directed at members, government leaders, public opinion leaders, educators, students, and the general public.

The committee has focused its activities on several items. The first was to draft and refine the terms of reference for approval by Council. Once this was done, the committee members turned their attention to developing a new Strategic Communications Plan for the period of 1998-2001. In doing

this, the committee reviewed the Association's priorities in the *APEGGA 1997 and Beyond Business Plan* and decided that the highest communications priority should be directed to APEGGA's members. The Strategic Communications Plan has been submitted to Council for comment. A copy of the plan is available at the Edmonton and Calgary APEGGA offices. The committee meets once per month and discusses one communications activity, such as *The PEGG*, the Public and Member Opinion Survey; sponsorships, science and technology outreach, advertising, and the communications budget for the upcoming year. The CPC monitors APEGGA's communication efforts on a regular basis to ensure that they are effective and add value.



#### COMMITTEE MEMBERS

John Kramers, P.Geol., PhD, Chair  
Chrys Dmytruk, P.Eng., Past Chair  
Angie Alexander, P.Eng.  
Beth Hill, P.Geoph.  
Patrick Keys, P.Eng.  
Jacquie Kruger, P.Eng.  
Nick Malychuk, P.Eng.

Reg Quinton, P.Eng.  
Marcey Skye, P.Eng.

#### APEGGA Staff

Trevor Maine, P.Eng.,  
Director, Communications  
Kimberly Nishikaze,  
Manager, Public Relations

## EDMONTON DISTRICT COMMITTEE

### *Ted Lord, P. Eng., Chair*

The Edmonton District Committee (EDC) organizes monthly meetings for members and guests, focusing on topics of technical or general interest to engineers, geologists and geophysicists. The meetings facilitate communication among Edmonton members

and between APEGGA members and Council. During this year, there were eight luncheon meetings (one which was followed by a tour of EPCOR's solar panel project), and one evening meeting. The March luncheon was held jointly with the Canadian Society for Engineering Management and we participated in the Edmonton

Association of Technical Societies evening meeting in November. The committee also helped with the APEGGA Professional Development Conference in April.

The topics and speakers are selected by the committee after input from members. The EDC meets regularly to discuss feedback, results of evaluations and ideas to improve the format and content.

I would like to recognize the efforts of all members of the committee and the excellent support of the APEGGA staff, Trevor Maine, P. Eng., and Shirley Layne. The contribution of the publicity agents is also gratefully acknowledged.

#### COMMITTEE MEMBERS

Ted Lord, P. Eng., Chair  
Case Allison, P. Eng.  
Peter Doell, P. Eng.  
Emad El-Zein, P. Eng.  
Scott Gamble, P. Eng.  
Terra Garneau, P. Eng.

Sam Proskin, P. Eng.  
Kaz Walewski, P. Eng.

#### APEGGA Staff

Trevor Maine, P. Eng.,  
Director, Communications

## EDUCATION COMMITTEE

### *Raj S.V. Rajan, P.Eng., PhD, Chair*

The Education Committee's objective is to assist in developing and implementing education strategies consistent with APEGGA's mission and strategic plan. The committee also undertakes special tasks when requested by APEGGA. Some of the other goals of the committee include providing advisory support, when requested, to APEGGA through development of an ongoing education position, and to the university community in the development of curriculum, professional awareness

programs and accreditation process for satisfying APEGGA registration requirements.

The committee has representation in the council meetings of the science and engineering faculties of both the University of Alberta and The University of Calgary. One of the main highlights of the committee achievements was the strategic planning session held on Dec. 3, 1997. The objective of the session was to discuss with representatives from Alberta Education, Alberta Advanced Education & Career Development,

universities and other professionals issues related to the quality and content of education programs, efficiency of delivery, and APEGGA's role in resolving the identified issues. Some members of the committee were active participants in the "Symposium on the Future of Secondary School Science Education in Alberta", held March 13, 1998, and organized by Alberta Education. The committee continues to have a member on the Secondary Mathematics Advisory Council. The committee also has helped draft the letter sent to the community colleges in Alberta regarding concerns about the reduced funding for first year-engineering transfer programs.

My sincere appreciation to all the committee members and the APEGGA staff for their cooperation and dedication in making the committee activities successful during the year.

#### COMMITTEE MEMBERS

Raj Rajan, P.Eng., PhD, Chair  
Bob Day, P.Eng. PhD  
Bill May, P.Geol.  
John Nicoll, P.Eng.  
Colin Pate, P.Geol.

Peter Robertson, P.Eng., PhD  
Graham Walker, P.Eng., PhD

#### APEGGA Staff

Len Shrimpton, P.Eng., Director,  
Professional Development

## ENFORCEMENT REVIEW COMMITTEE

### *Darcie Greggs, P.Geol., Chair*

The Enforcement Review Committee (ERC) was established to obtain compliance with the reserved title and reserved practice provisions of the Engineering, Geological and Geophysical Professions Act through an active enforcement and information program.

The ongoing goals of the committee are that: a) the engineering, geological and geophysical titles should be reliable signals to the public that the title user is a member of APEGGA; and b) engineering, geological and geophysical services must be provided by professional members, licensees or Permit

holders of APEGGA.

The addition of a Compliance Coordinator to APEGGA staff resulted in a substantial increase in the number of cases closed and enabled committee members to expand their scope of activities to include a greater public education component. As a result of one case, a report on practitioners of site assessments (assessment of contaminated sites) was prepared and forwarded to the Environmental Committee. The collapse of Bre-X Minerals Ltd. prompted concern over mineral assessment reports and meet-

ings were held with officials of the Alberta Stock Exchange. Work was started on permit requirements for pressure equipment fabrication companies.

There were 293 new enforcement cases opened in 1997 and 201 closed. The new files comprised 184 reserved practice and 109 reserved title cases. These activities resulted in 82 companies obtaining Permits to Practice; 30 individuals ceasing to use the title; and one injunction. The remaining cases were closed for various other reasons, such as forced and voluntary name changes, providing satisfactory evidence of not practicing, or by individuals becoming registered. As this report is written, there is one fraud case being conducted by the Calgary Police Service Commercial Crimes Unit, and one case of title violations under the EGGP Act before the courts.

I acknowledge and thank the committee members and APEGGA staff for their dedication, hard work and initiative.



### COMMITTEE MEMBERS

Darcie Greggs, P.Geol., Chair  
Gordon Barrington, P.Eng.  
Milford Berger, P.Geoph.  
Emad El-Zein, P.Eng.  
Richard Enns, P.Eng.  
Vince Heron, P.Eng.  
Warren Kmicik, P.Eng.  
Wenona Irving, P.Eng.  
Alice Payne, P.Geol.

Hugh Powell, P.Eng.  
Barry Massing, LL.B., Legal Counsel

#### *APEGGA Staff*

Dave Todd, P.Eng., Director,  
Registration & Compliance  
Jo-Ann Marshall,  
Compliance Coordinator



***A video on APEGGA's discipline process was updated during the past year to take into account changes in the way that discipline cases are handled. Here, participants in a mock discipline hearing get ready for the cameras to roll.***

## ENVIRONMENT COMMITTEE

### *Nina Novak, P.Biol., P.Eng., Chair*



The Environment Committee exists in order to provide APEGGA and its members assistance in monitoring and responding to emerging environmental trends and issues. The priorities of the committee focus upon education, relations with other engineering/geo-science associations and technical societies, dissemination of environmental practice standards and monitoring accreditation initiatives.

Several significant accomplishments were realized this past year. In the area of education, our committee

members continue to present seminars and course instruction at The University of Calgary. The committee has also reviewed the proposed program curriculum for the Environmental Resource Management Certificate Program offered through the Faculty of Extension at the University of Alberta, and has a representative on the program's development committee.

This year there were a number of important initiatives in the area of improved relations with other associations and technical societies. The committee hosted the second environmen-

tal conference for delegates from Canadian engineering associations and the Canadian Council of Professional Engineers, with representatives attending from all the provincial and territorial groups. A major initiative successfully undertaken by the committee on behalf of APEGGA was the three-way co-sponsoring of a joint environmental conference with the Alberta Society of Professional Biologists, and the Canadian Prairie and Northern Section of the Air and Waste Management Association. This conference, entitled "Emerging Air Issues for the 21st Century—The Need for Multi-Disciplinary Management", was attended by approximately 250 individuals. The committee also organized the second Inter-Professional Environmental Meeting, gathering representative biologists, agrologists, foresters, academics, and lawyers, as well as APEGGA members. A committee initiative was also undertaken to improve lines of communication between APEGGA, Alberta Environmental Protection, and the Environmental Appeal Board.

#### C O M M I T T E E M E M B E R S

Nina Novak, P.Biol., P.Eng., Chair

Ron Girvitz, LL.B., P.Eng.

Patricia Armitage, P. Eng.

Andy Day, P.Eng., PhD

Jim Dilay, P.Eng.

Steve Hrudey, P.Eng., PhD

Richard Kolada, P.Eng., PhD

Jay Rackham, P.Ag.

David Reid, P.Biol.

Al Schulz, P.Eng.

Albert van Roodselaar, P.Eng., PhD

*APEGGA Staff:* Ray Chopiuk, P.Eng.,  
Director, Professional Practice

***In June, APEGGA hosted a national conference of environmental representatives from the Canadian Council of Professional Engineers and from provincial and territorial associations. APEGGA member and chair of the CCPE Environment Committee, Joel Nodelman, P.Eng., (standing) addresses the meeting held in Banff in June.***



## HONOURS AND AWARDS COMMITTEE

### Harry Moore, P.Eng., Chair

The major objective of the Honours and Awards Committee is to enhance “professional pride and the stature of the professions by recognizing the accomplishments of non-members, members and corporate members” and to recognize and encourage the achievements of students. The annual Summit Awards and the Excellence in Education awards are the primary vehicles by which this recognition is conveyed. Much of the committee’s

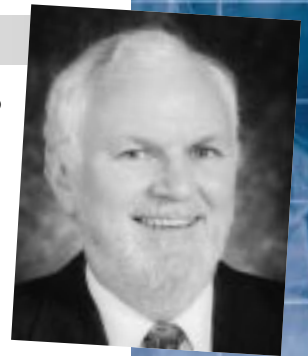
work involves advertising and obtaining applications for the various awards and selecting the candidates to be recognized.

The project of setting up The APEGGA Education Foundation was completed with the successful application to Revenue Canada to allow the foundation to accept donations and provide tax receipts to donors. The foundation was established as a registered charitable organization to

enhance and provide leadership and support in the education and development of engineers, geologists and geophysicists, and of those who may wish to enter these professions.

The APEGGA Education Foundation is an independent organization with a board of directors selected from members of the foundation. Members of the foundation are selected from nominees forwarded by APEGGA. An administrative organization has been established and fund-raising activities have been undertaken. The foundation is producing an annual report.

Individual and corporate APEGGA members are encouraged to contribute to the Foundation.



#### C O M M I T T E E M E M B E R S

Harry Moore, P.Eng., Chair  
 Steve Fedyna, P.Eng.  
 Tom Collins, P.Geoph.  
 Brent Graham, P.Eng.  
 Manny Kassam, P.Eng.  
 Ron Lawson, P.Eng., PhD

Ashok Sehgal, P.Eng.  
 Hans Wiesner, P.Eng.

#### APEGGA Staff

Trevor Maine, P.Eng., Director,  
 Communications

## JOINT BOARD OF PRACTICE

### Mike Rosseker, P.Eng., Co-Chair

The work of the Joint Board of Practice between architects and engineers since the last report has concentrated on final completion of the unified fee and

scope of services guideline for engineering and architectural services to the building industry.

The document has been reviewed

for graphics, grammar and uniformity of content and will be available in publication form in the spring of 1998.

Excellent input and support was provided from key users of the guideline, as well as the dedication and effort of the board members in the development and compilation of this important document.

Members are the same as listed in the last report and the only change is in Stewart McIntosh’s title, to Director, Special Projects.



#### A P E G G A M E M B E R S

Mike Rosseker, P.Eng., Co-Chair  
 Ken Maskell, P.Eng.  
 Nick Trovato, P.Eng.  
 Chris Wade, P.Eng.

#### APEGGA Staff

Stewart McIntosh, P.Eng.  
 Director, Special Projects

#### A A A M E M B E R S

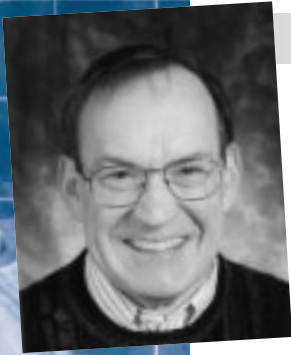
J. Rockliff, MAAA, Co-Chair  
 James Dykes, MAAA  
 Dave Ryder, MAAA  
 Gordon Thorkelsson, MAAA

#### AAA Staff:

Penny Cairns

## PRACTICE REVIEW BOARD REPORT

### *Archie Pick, P. Eng., Chair*



The Practice Review Board's authority falls into two main areas. It can conduct an inquiry into the practice of the professions, standards of competence, educational standards and experience requirements, or any other matter Council considers necessary or appropriate in relation to the practice of the profes-

sions. The board can also conduct a review of the practice of a professional member, licensee or Permit holder.

The board has been active in both these areas over the past year. Relative to the first, it has conducted an inquiry into the practices in the wood truss industry. Also, the board's involvement in the continuing competence issue has been completed, and

the focus of the matter is shifting toward continuing professional development. Responsibility for administering the program now rests with the Professional Development Department, assisted by the Professional Development Committee.

In the second area, the board has initiated a program of proactive reviews of the specific practices of both individual members and permit holders. These reviews are in addition to those conducted on referral from the Investigative or Discipline Committees, or the Registration Department. As well, the board also conducted a formal practice review hearing into the one professional member's practice. Over the next few years, the board plans to increase its efforts toward proactive practice reviews, with the goal of continuous improvement in the practice of our professions.

#### B O A R D M E M B E R S

Archie Pick, P.Eng., Chair

Ted Lord, P.Eng.

Heather Andrews, Public Member

John Nicoll, P.Eng.

Barry Broderick, P.Eng.

John Peirce, P.Geoph., PhD

Frank Brooks, P.Eng.

Paul Shewchuk, P.Eng.

John Boyd, P.Geoph.

Brenda Corbett, P.Eng.

Doug Cox, P.Eng.

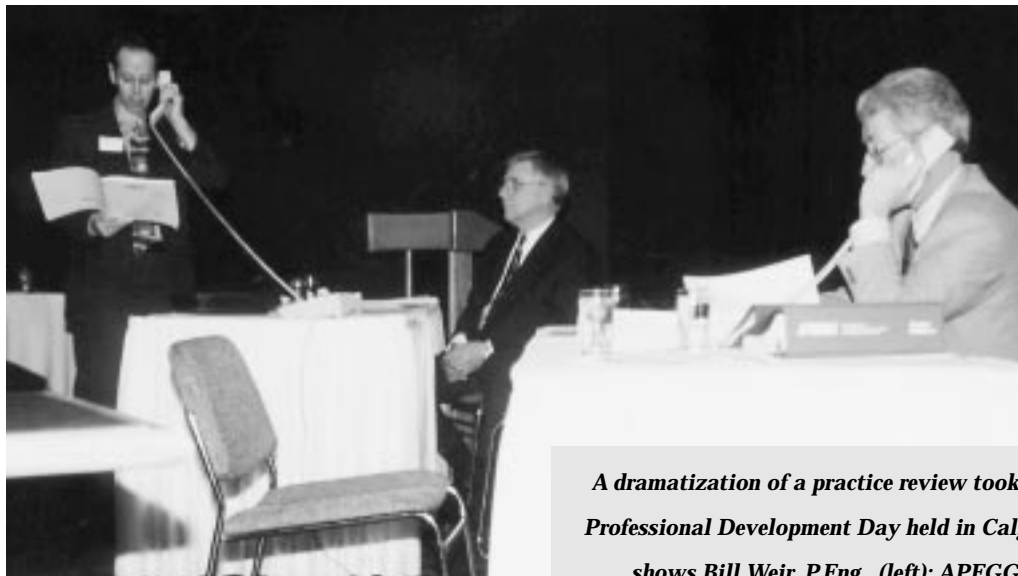
#### *APEGGA Staff*

Allan Doell, P.Eng.

Ray Chopiuk, P.Eng., Director,

George Eynon, P.Geol.

Professional Practice



*A dramatization of a practice review took place during a Professional Development Day held in Calgary. This scene shows Bill Weir, P.Eng., (left); APEGGA Director, Registration and Compliance Dave Todd, P.Eng., and Dick Walters, P.Eng. The dramatization was intended to demonstrate how APEGGA's newly introduced proactive practice review process works.*



## PRACTICE STANDARDS COMMITTEE

*Ron Tenove, P.Eng., Chair*

The Practice Standards Committee (P.S.C.) is a vehicle to develop and disseminate information which will "enhance the quality and value of professional services in all areas of professional practice". Over the past year, PSC continued to utilize considerable volunteer effort to address topics pertinent to all members of APEGGA.

PSC has reviewed and/or developed several guidelines approved by Council for printing in 1997-98. The guideline *Human Rights Issues in Professional Practice*, now in the implementation stage, is being followed with updates to the *Code of Ethics* and *Concepts of*

*Professionalism* guideline. Together, these documents clearly present the expectations of professional practice and will continue to demonstrate the commitment of APEGGA members to society and their peers in all endeavours.

Work continues on amalgamation of seven guidelines into a single and current document on *Engineering Services for Building Projects*. Providing a document that meets current and future needs is a challenge, but headway has been made this year.

Working with extensive input from the consulting industry and buyers of professional services, the *Selecting A*

*Consultant Guideline* has now been approved by Council. The guideline focuses on selection of APEGGA member firms on the basis of qualifications and will facilitate more appropriate contractual relationships for provision of professional services.

The *Contract Employment Guideline* has generated considerable interest at APEGGA Professional Development Day workshops. The rapidly changing workplace requires employees and employers give greater attention to defining the scope of services commissioned and attendant responsibilities within a framework that ensures delivery of quality professional practice. The guideline also alerts both parties to the business, legal and tax issues that accompany an arm's length contractual relationship.

The volunteer effort of APEGGA members on the Practice Standards Committee and numerous subcommittees is substantial. As one task is completed, others appear which will assist APEGGA members to fulfil their professional and service obligations.



### C O M M I T T E E M E M B E R S

Ron Tenove, P.Eng., Chair

Gerry Carson, P.Eng.

Tim Cartmell, P.Eng.

Mike Charko, P.Eng.

Curtis Feeg, P.Eng.

Gloria Gerber, P.Eng.

Al MacDonald, P.Eng., Consulting Engineers of Alberta Representative

Diana Purdy, P.Geol.

Clayton Tiedemann, P.Eng.

Doug Thomson, P.Geoph.

Fred Tully, P.Eng.

David Watt, P.Eng.

Charlie Weir, P.Eng.

#### *APEGGA Staff*

Ray Chopiuk, P.Eng., Director, Professional Practice

Stewart McIntosh, P.Eng., Director, Special Projects



***APEGGA has joined forces with a number of Edmonton-area technical societies under the umbrella of the newly formed Edmonton Association of Technical Societies (EATS) to stage joint dinner meetings. About 200 participated in EATS's inaugural session in November.***

## PROFESSIONAL DEVELOPMENT COMMITTEE

### *John Van der Put, P.Eng., Chair*

The Professional Development Committee (PDC) is involved in actively promoting and monitoring professional development as a means of ensuring continuing competence, excellence, and professional quality of service to the public by APEGGA members. This is achieved

through the presentation of professional development seminars, acting as a catalyst to promote continuing education and professional development opportunities with technical societies and educational institutions, advising on the *Value of Professional Services Salary Survey* and résumé referral service, and monitoring and reporting on professional development activities of members.

Over the past year, the PDC has

been focused primarily on the implementation of the Continuing Professional Development (CPD) Program. Close to 90 seminars have been held to help members understand their obligations with regard to the program. A pilot was run to evaluate an Internet-based skills database and a decision was made not to adopt it at this time. In addition, Professional Development Days were held in both Calgary and Edmonton in the spring and again in the fall of 1997. These events were well attended and offered a number of sessions covering a wide variety of topics, including legal, professional, and personal development issues.

The committee plans to build on this success by hosting a two-day Professional Development

Conference, being held in Edmonton on April 15 -16, 1998, in conjunction with the Annual General Meeting. The expanded format will allow both technical and non-technical content as well as greater involvement by technical societies in organizing and conducting the sessions.

Another area the committee is currently working on, to help successfully implement the CPD program, is developing the review and audit process which will be used to verify that the fundamental intent of the program is being achieved in practice.

The other major area of focus is the developing program for Members-in-Training (M.I.T.s). Accomplishments included the completion of the new *Professional Development Guideline for M.I.T.s*, the hosting of seminars for graduates from out-of-province, and kicking off efforts potentially to develop a formal mentoring program and an M.I.T. seminar that would address the issues of communications skills, management skills and understanding societal obligations.

I would like to take this opportunity to thank the committee members and APEGGA staff for their support and creative efforts over the past year.

### COMMITTEE MEMBERS

John Van der Put, P.Eng., Chair  
Dave Geake, P.Eng.  
Jon Greggs, P.Geol.  
Gerry Kehler, P.Eng.  
Terry Knysh, P.Eng.  
Giulia Maida, E.I.T.  
Jeff Taylor, P.Eng.

Dick Walters, P.Eng.  
Ted Wong, P.Geoph.

#### *APEGGA Staff*

Len Shrimpton, P.Eng., Director,  
Professional Development



***APEGGA Councillor Sue Evison, P.Eng., makes presentation to Jayanti Sharma of Calgary, one of 12 recipients of APEGGA University Entrance Scholarships, valued at \$2,000 each and awarded annually to deserving students entering university to study engineering or earth sciences. The presentation took place at APEGGA's Excellence in Education Event held in Calgary in October.***

## UNIVERSITY OF ALBERTA STUDENT LIAISON COMMITTEE

### Dave Robinson, P.Eng., Chair

The goals of the University of Alberta Student Liaison Committee are to stimulate student interest and understanding in APEGGA, inform students about APEGGA's role and provide opportunities for students to interact with professional members.

Regular meetings were held to dis-

cuss how to assist students in becoming more familiar with APEGGA and to help organize activities to provide interaction between students and members. Methods explored by the committee included: technical society and student mixers; provision of professional members as speakers for stu-

dent forums; increased student awareness of district meetings; student "get hired" workshops; student volunteers for APEGGA's career counseling program and APEGGA staff presentations for geology and geophysics students.

This was an active year with several events held in the fall term and early 1998. The most well received were the "get hired" workshops where students were able to get advice on job search and résumé-writing skills, as well as participate in mock job interviews by professional members. I would like especially to thank those professional members who gave up time to attend the mixers and workshops. Additional events are planned for the start of the school year in the fall.

I would like to thank the committee members, particularly the student representatives for the enthusiasm shown and the time taken from their busy schedules to contribute to the committee's work.



#### C O M M I T T E E M E M B E R S

Dave Robinson, P.Eng., Chair

Brian Martin, VP External

Gord King, VP Industry

#### *U of A Faculty Members*

Ken Porteous, P.Eng., PhD, Faculty of Engineering

#### *Geophysics Student Society*

Dwayne Runcer, President

Nat Rutter, P.Geol., PhD, Dept. of Earth and Atmospheric Sciences

Carrie Stoiko, VP

#### *Professional Members*

Paula Harding, P.Eng.

#### *P. S. Warren Geological Society*

Shahin Dashtgard, President

Larry Kelly, P.Eng.

Carley Barnett, VP External

Rob Nespliak, P.Eng.

#### *APEGGA Staff*

#### *Engineering Students Society*

Eric Carcoux, President

Len Shrimpton, P.Eng., Director, Professional Development

## UNIVERSITY OF CALGARY STUDENT LIAISON COMMITTEE

### Steve Giacomini, P.Eng., Chair

The goals of the committee are to familiarize the students with APEGGA and its role and to provide support for student identified initiatives.

Broadly speaking, this includes providing speakers for the first-year ethics

lecture in Engg 215 and for the many topics covered in Engg 511. The fourth-year course culminates in a Ring workshop and luncheon that precedes the Ring Ceremony. It is noteworthy that the Department of Geology and

Geophysics is also committed to introducing a similar fourth-year seminar/course in the fall of 1999.

The committee was pleasantly surprised by the turnout of some 225 students at the fall mixer at which the students had an opportunity to meet with professional members and representatives from several technical societies. Again, financial support was also provided for the first and second-year dinner. Although part of the requirements for entering the engineering co-op program, the committee is committed to reintroducing a seminar to assist interested engineering and geoscience students with résumé preparation and to improve interviewing skills.

Thanks to the volunteers, students and staff for their commitment during these very busy times.



#### C O M M I T T E E M E M B E R S

Steve Giacomini, P.Eng., Chair

#### *Engineering Students Society*

Tim Bird, P.Geol.

John Carpenter, President

Ken Putt, P.Eng.

Laura Lucier, VP Academic

Terri Steeves, P.Eng.

#### *Rundle Group & Geophysics Society*

Charlene Radons,

#### *U of C Faculty Members*

Marcelo Epstein, P.Eng., PhD, Faculty of Engineering

VP Academic (Geophysics)

Dave Pattison, P.Geol., PhD, Department of Geology

Laura Gates, VP Academic (Geology)

#### *APEGGA Staff*

Len Shrimpton, P.Eng., Director, Professional Development

Christine Smith, Coordinator, Continuing Professional Development

# Other Committees & Organizations

Listed below are other committees and task forces that were active during the 1997-98 year, as well as the organizations on which APEGGA is represented.

## APEGGA/ASET JOINT REGISTRATION BOARD

*Advises and assists the Executive Directors (or designates) of APEGGA and ASET in confirming that individuals approved for registration as R.E.T.s meet the standards of admissions in accordance with the requirements of Part 12 of the Regulations pursuant to the Engineering, Geological and Geophysical Professions Act of Alberta.*

B O A R D M E M B E R S	
Leigh Ellestad, P.Eng., Chair	Leslie Fillion, R.E.T. Allan Kathrens, R.E.T. Dave Paquet, R.E.T.
APEGGA Members David Browne, P.Eng. Don Dennis, P.Eng. Duane Leschert, P.Eng. Tanya Schulz, P.Eng.	Don Byers, C.E.T., Registrar ASET (Secretary)
ASET Members Shawn Bishop, R.E.T. Les Crowley, R.E.T.	APEGGA Executive Director's designate responsible for board: Dave Todd, P.Eng., Director Registration & Compliance

## APEGGA/ASET JOINT APPEAL BOARD

*Advises and assists the Executive Directors (or designates) of APEGGA and ASET in ensuring that applicants have full protection of their statutory right of appeal and right to natural justice, in accordance with the Engineering, Geological and Geophysical Professions Act, through review by their peers of decisions and actions taken by the Joint Registration Board.*

B O A R D M E M B E R S	
Barrie Touchings, LL.B., Chair	Brian McCormack, R.E.T., ASET Executive Director (Secretary)
Glen Monson, R.E.T. Milt Ozubko, P.Eng. George Paicu, P.Eng. Royce Sather, R.E.T.	APEGGA Executive Director's designate responsible for Board: Al Schulz, P.Eng., Deputy Registrar

## 1997 BALLOT COUNTING COMMITTEE

*Scrutinized and counted ballots for election to Council prior to the 1997 Annual General Meeting.*

C O M M I T T E E M E M B E R S	
Steve Hrynew, P.Eng. Nick Malychuk, P.Eng. Peter Sebзда, P.Eng.	George Peacock, P.Eng. James Turnbull, P.Eng. Paul Goud, P.Eng., PhD

## 1997/98 NOMINATING COMMITTEE

C O M M I T T E E M E M B E R S	
Fred Otto, P.Eng., PhD, Chair John Wood, P.Eng., Past Chair George Eynon, P.Geol. Steve Fedyna, P.Eng. Don Ferrier, P.Eng. Bill Hibbard, P.Eng. Om Malik, P.Eng., PhD	Jim Montgomery, P.Eng., PhD Judy Newbert, P.Eng. John Peirce, P.Geoph., PhD Bob Ross, P.Eng. Gordon Stewart, P.Eng. Brenda Wright, P.Geol.

APEGGA is represented on the following outside organizations and groups.

- Engineering Faculty Council - University of Alberta: .....Raj Rajan, P.Eng., PhD
- Science Faculty Council - University of Alberta: .....Colin Pate, P.Geol.
- Engineering Faculty Council - University of Calgary: .....To be filled
- Science Faculty Council - University of Calgary: .....Bill May, P.Geol.
- Alberta Construction Association: ...Dick Walters, P.Eng.
- Calgary Construction Association: ...Mike Strong, P.Eng.
- Calgary Gas Approval Board: ..... James Rea, P.Eng.
- Tire Recycling Management Association: .....To be filled.

## SAFETY CODES ACT - TECHNICAL COUNCILS

- Amusement Rides: .....Bruce Ball, P.Eng.
- Boilers: .....John Melnick, P.Eng.
- Building: .....Dick Walters, P.Eng.
- Electrical: .....Jeff Bannard, P.Eng.
- Elevators: .....Daniel Shannon, P.Eng.
- Fire: .....Charles Woo, P.Eng.
- Gas: .....Fred Marlett, P.Eng.
- Plumbing: .....Kevin Moodie, P.Eng.
- Ski Lift/Passenger Ropeway: ....John Ogilvy, P.Eng.

# APEGGA/CCPE Sponsored Group Insurance and RRSP Plans and Other Member Services

Members, members-in-training and students registered with APEGGA may obtain coverage or services under the Canadian Council of Professional Engineers (CCPE)/APEGGA sponsored programs in the areas of insurance, RRSPs, auto sales and leasing, and résumé matching.

Applicants must be members in good standing with APEGGA to be eligible; cancellation of their membership status automatically cancels participation in sponsored insurance coverage on the next renewal date.

Types of insurance available include: group RRSP, term life, accident, disability income protection, extended health care and professional liability insurance, as well as automobile, home, personal property and public liability insurance, travel medical and small business.

Sponsored programs generally provide more competitive and beneficial products and services than are otherwise available. Members are encouraged to compare these programs with others that may better suit individual needs.

Contractual arrangements are strictly between the insured member and the company providing the service.

Information on coverage and premiums for specific group plans may be obtained through the contacts listed below.

## 1. REGISTERED RETIREMENT SAVINGS PLAN

*"Blueprint for Retirement Security"*

**Manulife Financial**

(The Manufacturers Life Insurance Company)  
Affinity Markets Toll Free: 1-800-268-6689

## 2. GROUP TERM LIFE & ACCIDENT INSURANCE

**Manulife Financial**

(The Manufacturers Life Insurance Company)

**Manulife Financial**

Affinity Markets  
Toll Free: 1-800-668-0195

## 3. SICKNESS AND ACCIDENT GROUP INSURANCE PROGRAM

**Aetna Life Insurance Company of Canada -**

**Sponsored Markets**

3.1 *Disability Income Replacement Plan*

3.2 *Extended Health Care Insurance*

3.3 *Office Overhead Expense Plan*

3.4 *Accidental Death and Dismemberment Insurance Plan*

**Aetna Life Insurance Company of Canada**

**Sponsored Markets**

P.O. Box 120, Aetna Tower, T-D Centre

79 Wellington Street West, 11th Floor

TORONTO ON M5K 1N9

Toll Free: 1-800-828-8806

Fax: (416) 864-8600

E-mail: mary\_pocnic@aetna.ca

Web site: <http://www.aetna.ca>

Authorized Representatives:

**Garrett Agencies Ltd.**

1107, 1122 - 4th Street SW

CALGARY AB T2R 0X6

Toll Free: 1-800-661-3300 Tel: 263-6077 (Calgary)

Fax: (403) 264-1209 Toll Free Fax: 1-800-661-5540

## 4. PROFESSIONAL LIABILITY INSURANCE

4.1 *Professional Members in Private Practice*

**ENCON Insurance Managers Inc.**

4.2 *For Individual Members*

**ENCON Insurance Managers Inc.**

**ENCON Insurance Managers Inc.**

(administers the professional liability insurance programs)

Suite 700, 350 Albert Street

OTTAWA ON K1R 1A4

Tel: (613) 786-2000

Toll free HELPLINE 1-800-267-6684

(or your local insurance agent)

Web site: <http://www.encon.ca>

## 5. MELOCHE MONNEX INSURANCE PROGRAMS

**Monnex Insurance Brokers Limited**

5.1 *Home*

5.2 *Auto*

5.3 *Travel Medical*

5.4 *Small Business Insurance*

**Edmonton: (effective April 1, 1998)**

6th Floor, 10115 - 100 A ST NW

EDMONTON AB T5J 0R5

Tel: 429-1112

Toll Free: 1-800-268-8955

**Calgary:**

1200, One Palliser Square

125 - 9th Avenue SE

CALGARY AB T2G 0P6

Tel: (403) 269-1112

Toll Free: 1-800-268-8955

Web site: <http://www.meloche-monnex.com>

## 6. NEW CAR PURCHASE PLAN & USED CAR BUYING SERVICE

**Royalty Auto Sales and Leasing**

6812 Fairmount Drive SE

CALGARY AB T2H 0X3

Tel: 253-7000

Toll Free: 1-800-667-2886

## 7. RÉSUMÉ MATCHING SERVICE

**New Webco Technologies**

P.O. Box 48861, Bentall Centre

VANCOUVER BC V7X 1A8

Tel: (604) 689-9811

Web site access: see APEGGA's home page at

<http://www.apegga.com>

# Branch Reports

## CALGARY BRANCH

### Jane L. Tink, P.Eng., Chair

The Calgary Branch had an interesting and thought-provoking year in 1997.

The Calgary Branch Meetings Subcommittee was chaired until June 1997 by Bob Fuenning, P.Geol., P.Geoph., and then by Leon Mah, P.Eng. As in the past, this subcommittee hosted a number of successful lunches covering a wide range of topics that were well received by the membership. Over the course of the year, some of the lunches were videotaped and those tapes made available to the other branches throughout the province. The issue forums promoted discussion among the members and proved to be enlightening. These events allowed members to become better informed about issues and concerns facing our professions and cov-

ered such subjects as the Continuing Professional Development program.

The University Student Liaison Subcommittee, chaired by Steve Giacomini, P.Eng., continued to actively pursue better communication and interaction with the student members on campus.

The Calgary Branch Executive Committee (CBEC) struck a subcommittee co-chaired by Ron Tibbatts, P.Eng., and Monique Schluff Soboren, P.Eng., to provide assistance with the Kick Off event for National Science & Technology Week. In addition, members of the CBEC were involved in the APEGGA/ASPB/CPANS Conference '97 (Environmental Conference) which was held in the fall of 1997.

The restructuring and changes within APEGGA provided the catalyst for the Calgary Branch to review its

role within APEGGA and how it could best serve both the needs of APEGGA and its Calgary-area-based members. These changes have affected the way in which the organization itself is run, the number of staff members in both the Calgary and Edmonton APEGGA offices, and have had a domino effect on the volunteers. The Calgary Branch saw some existing committees disappear. The Calgary Branch had some concern and took the opportunity to review its organization and how it operates. This provided for some lively discussion and enormous introspection by all involved. The results of these talks will help provide some of the framework for the upcoming year which should be one of the best ever.

I would like to take this opportunity to thank each and everyone who volunteered their time on behalf of the Calgary Branch and made the events of 1997-98 so successful. To those involved in the review of the role of the Calgary Branch, both the staff and the volunteers, I would like to extend my thanks for your perseverance and patience in dealing with this issue. It has been a privilege and a pleasure to work with each of you.

#### B R A N C H E X E C U T I V E

Jane Tink, P.Eng., Chair	Steve Giacomini, P.Eng.
Alf Hartling, P.Geol., Past Chair	Tibor Kaldor, P.Eng.
Gordon Barrington, P.Eng., Vice Chair	Leon Mah, P.Eng.
Ron Tibbatts, P.Eng., Treasurer	Monique Schluff Soboren, P.Eng.
Stephen Calderwood, P.Eng., Secretary	Marcey Skye, P.Eng.
Terry Cooper, P.Eng.	Albert Wegelin, P.Geol.
Mike Curtin, P.Eng.	

## CENTRAL ALBERTA BRANCH

### Réal Malo, E.I.T., Chair

During the past year, the Central Alberta Branch has aimed for increased membership involvement and a greater involvement with the engineering students at Red Deer College.

Last spring, the branch was successful in holding a couple of well attended events. In

April, 30 members got a tour of the Sunpine Forest Products Plant, south of Rocky Mountain House. In May, the Annual General Meeting for the branch was held at River Bend Golf

Course. The event consisted of afternoon golf for the members, a BBQ dinner, Branch Executive elections and an exciting evening presentation of fibre optics hosted by Dr. Jan Conradi of the University of Alberta Electrical Engineering Department. The feedback the branch received from these events was very positive, as indicated, in part, by the higher-than normal attendance of branch members.

In the fall, the new Branch Executive got down to business to plan events and activities for the next

year. Because of the impact of the expansions in the local petrochemical industry will have in the area, the branch had planned to host a dinner meeting with representatives from Nova, Union Carbide and Amoco to discuss the progress of the expansion plans. Unfortunately, because of the Canada Post mail strike last fall, the event had to be postponed until the spring. A Continuing Professional Development Seminar was held Feb. 10 at Red Deer College. The annual President's Visit was scheduled

Feb. 26-27. As part of our commitment to be involved with the RDC students, an APEGGA member/engineering student mixer was planned at the college during March, where the winner of the annual student design competi-

tion was awarded a prize donated by the Central Alberta Branch.

The year has also seen the branch's continued support to providing volunteers at local events, donating to the Regional Science Fair and continu-

ing to provide support to the Outreach program. The branch believes all this will help bring forward awareness of science and engineering at all the educational levels, as well as enhance our visibility and image in the local communities of Central Alberta.

I would like to thank all the members of the Branch Executive and other members in the area for their support and involvement with APEGGA throughout the last year.

**B R A N C H E X E C U T I V E**

- |   |  |
|---|--|
| Réal Malo, E.I.T., Chair                        | Arun Mishra, P.Eng., PhD,<br>College Liaison |
| David Miller, P.Eng., Past Chair                | Rick Granberg, P.Eng.                        |
| Mike Koziol, P.Eng., Vice Chair                 | Mark Brotherton, P.Eng.                      |
| Andrea Griffin, E.I.T., Treasurer               | Bob Demcoe, P.Eng.                           |
| Wayne Gilraine, P.Eng.,<br>Outreach Coordinator | Ron Chow, P.Eng.                             |

**F O R T M c M U R R A Y B R A N C H**

*Swami Swaminathan, P.Eng., Chair*

The Fort McMurray Branch focused its efforts in raising public awareness of engineering, geology and geophysics professions during 1997-98, and providing ongoing support to local membership in Continuing Professional Development. Our annual Student's Night was one of the most popular events, and, this year, more than 60 students and practicing members attended. The first-year

engineering students from the local Keyano College, and the co-op students from several universities across Canada, who were in their work team at the oil sands plants, came to the event and had good discussions with the practicing members.

The branch had a successful year in promoting math and sciences in the schools, with events organized at the Oil Sands Discovery Centre. This year,

the branch established a cash award program in the three Fort McMurray high schools for the students with highest marks in math and sciences in Grade 9.

The branch held its third New Member Induction Ceremony, coinciding with the President's Visit on Jan. 21. Eighty members and their guests, including seven inductees, attended the event. An earlier evening reception for the local invited dignitaries was hosted by the Branch Executive, the President and the Executive Director.

During the year, the branch had a joint technical presentation with the Canadian Institute of Mining (CIM), and also supported APEGGA's booth in the CIM Conference during September.

The transition of the Branch Chair from Shawn Morrison, P.Eng., to Swami Swaminathan, P.Eng., went smoothly. The members of the Branch Executive wish to acknowledge the leadership provided by Shawn Morrison, P.Eng., during his time as the Chair of the Branch.



**B R A N C H E X E C U T I V E**

- |   |                           |
|---|---------------------------|
| Swami Swaminathan, P.Eng., Chair              | Steve Fitzpatrick, P.Eng. |
| Brenda Wright, P.Geol., Past Chair            | Peter Fisher, P.Eng.      |
| Mike Sneath, P.Eng., Vice-Chair               | David Fudge, P.Eng.       |
| Paul Hagar, P.Eng., Treasurer                 | Rattan Garcha, P.Eng.     |
| Ron Jurchuk, P.Eng., Secretary                | Greg Gaudet, P.Eng.       |
| Mitch Azmier, P.Eng.,<br>Alternate Secretary  | Kris Kumar, P.Eng.        |
| Shannon Pile, E.I.T.,<br>Outreach Coordinator | Kevin McDowell, P.Eng.    |
| Sunny Bong,<br>Student Representative         | Michelle McGarry, E.I.T.  |
| L. Victoria Beltran, E.I.T.                   | Prakash Mullick, P.Eng.   |
| Stuart Corke, P.Eng.                          | Al Pettican, P.Eng.       |
| Kim Farwell, E.I.T.                           | Orest Romaniuk, P.Eng.    |
|   | Ian Squires, E.I.T.       |
|   | Rauf Sultan, P.Eng.       |



*These new members of APEGGA participated in a Member Induction Ceremony organized by the Fort McMurray Branch.*

## LAKELAND BRANCH

### *Kevin Billay, P.Eng., Chair*

In the past year, the Lakeland Branch was in a rebuilding phase of increasing involvement of the membership in branch activities. The Branch Executive is working hard by talking to members and explaining the benefits to the community, members and the engineering profession. We are making headway and 1998 should be an exciting year.

Branch members continued to be involved in their communities and at the same time promoting the professions at all ages. A student awards program recognizing outstanding achievement in math and sciences was established. Activities in school events and involvement in various other programs took place in the past year.

In November 1997, a Professional Development Seminar was held in

Bonnyville and attendance was very good. Approximately one third of the Lakeland membership took a seat to listen to guest speakers Terry Knysh, P.Eng., and APEGGA Director of Professional Development Len Shrimpton, P.Eng. The President's Visit in February 1998 involved a tour of 4 Wing Canadian Forces Base in Cold Lake. The tour included a close-up inspection of an F-18 and visiting an indoor simulator of the Air Combat Manoeuvring Range.

I would like to thank all the members who have taken time to get involved with branch activities and, especially the Branch Executive, for a fine year.

#### B R A N C H E X E C U T I V E

Kevin Billay, P.Eng., Chair

Steven Bartel, P.Eng., Vice Chair

John Bulmer, P.Eng.

Yu-Min Chin, P.Eng.

Derek Keller, E.I.T.

Bruce Drake, E.I.T.

Ish Thaleshvar, P.Eng.

## LETHBRIDGE BRANCH

### *Mark Bellamy, P.Eng., Chair*

The Lethbridge Branch enjoyed a successful year with several activities which involved a significant number of our members.

Forty-eight members and guests attended the 7th Annual APEGGA Lethbridge Branch Golf Tournament in May. The branch AGM was held in June and included as a guest speaker Link Byfield from *Alberta Report*.

Branch meeting programs held during the year included:

- ◆ City of Lethbridge Value Engineering Case Study;
- ◆ Tour-Animal Diseases Research Institute;
- ◆ Lethbridge "Snowfluent" Pilot Project; and
- ◆ A Joint Meeting with Alberta Institute of Agrologists.

The Continuing Professional Development Seminar Luncheon in January was attended by 51 members and questions generated from the floor indicated keen interest in the new program.

The President's Visit was an opportunity to tour the value added agriculture processing facilities in Lethbridge, meet with local community members and discuss current issues affecting APEGGA members.

The Lethbridge Branch continues to take an active role in supporting and encouraging involvement by our members in increasing awareness of science and engineering at the high school level, and enhancing the visibility of our professions at the local level. Activities related to this included presentations at Career Days, Buddy Day and involvement in the Lethbridge Regional Science Fair.

I would like to thank the members of the Lethbridge Branch Executive for their support and involvement in making this past year a success.

#### B R A N C H E X E C U T I V E

Mark Bellamy, P.Eng., Chair

Paul Aldridge, P.Eng., Past Chair

Bruce Thurber, P.Eng.,  
Secretary-Treasurer

Sean Abram, P.Eng.

Norbert Bohnert, P.Eng.

Brad Jackson, P.Geol.

Bill Little, P.Eng.



## MEDICINE HAT BRANCH

### *Bob Hawrelak, P.Eng., Chair*

The role of the Medicine Hat Branch is to serve the 155 members of the Association located within the south-east corner of the province; to assist in promoting science education, engineering, and geoscience careers; and to raise public awareness of the professions.

In the past year, members have been served through branch activities, which include technical tours, technical information meetings, social functions, and the continuing promotion and delivery of an annual two-day professional development seminar. The Medicine Hat Branch leads the Association in providing these seminars to its members, who normally do not have access to the courses and seminars available in Calgary or Edmonton. This undertaking will most likely become more important as members enter into their own Continuing Professional Development (CPD)

program. The Branch Executive was happy to witness more than 50 per cent of the members attend two CPD information seminars. It was quite the sight to see in one session more than 60 members cram into a room which normally accommodates 30 people. Interest, and concern, was voiced. Concerns were recorded and reported back to Council, a normal function which Branch Executive members serve. This is perhaps one of the most important functions which the branch serves, dialogue between the "grass-roots" and the "Association".

The branch has also continued its support in providing functions which bring APEGGA and Alberta Society of Engineering Technologists (ASET) members together. The annual joint barbecue and golf tournament was again an outstanding success and now the question of "How big is too big?" must be

addressed. A happy dilemma....

The branch is very fortunate to have members who continue to make presentations within the school systems, college classes, and to the general public in aid of promoting science education and careers. Branch members also participated in science fairs by acting as judges. It is an experience which many members find refreshing and they return year after year.

Perhaps the biggest challenge which the branch faces now and in the future is that of member communication and involvement. The branch is exploring new ways to communicate with members via fax and E-mail servers. We are hoping that the requirement of the CPD program will create a desire in members to increase their involvement with the Association and the branch.

I thank all members who have participated in branch activities during the last year. I especially thank those who have served on the Branch Executive.

As our professional lives are becoming busier, as business practices change, I thank you for taking the time to make a contribution towards the Association and its members. We all would be poorer if you had not done so.



#### B R A N C H E X E C U T I V E

Bob Hawrelak, P.Eng., Chair  
John John, P.Eng., Past Chair  
Vern Fedor, P.Eng., Vice Chair  
Vic Janz, P.Eng., Secretary  
Lawrence Chen, P.Eng., Treasurer  
Bob Arthur, P.Eng.  
Jim Creybohm, P.Eng.

Sheldon Dattenberger, P.Eng.  
Michelle Gaucher, P.Eng.  
Gerard Klotz, P.Eng.  
Dan Lorden, P.Eng.  
Mike Melham, P.Eng.  
Mary Ann West, P.Eng.



#### **Medicine Hat APEGGA**

***Branch provides opportunities for members and their families to participate in visits to local industries.***

## PEACE RIVER BRANCH

### *John Lehnars, P.Eng., Chair*

The enthusiasm and participation in APEGGA still remains healthy in the Peace River region. The 1997 year brought a host of successful events and the numbers are still growing at the various events. The year started off with our Wine Taster

and Lobsterfest/President's Visit. It was followed up with an interesting technical talk on the Bennett Dam. In the fall, we had our golf tournament and Students' Night. The latter, had 72 people attending which is probably a record for our district. Intertwined with this is our participation in

National Engineering Week, and our other school programs.

With the onset of the Continuing Professional Development Program, there has been a rekindled spirit in the affairs of our professions. We recently held three CPD courses and all were highly attended. The gradual acceptance of the program has occurred and now our branch has taken on some of the responsibility of assisting our local members in continued growth. We are offering a one-day seminar in June to cover topics of interest which we hope will catch on as a yearly event.

We have had many working people assist in making these goals a reality and I would like to take this opportunity to thank them for all their hard work.

#### B R A N C H E X E C U T I V E

John Lehnars, P.Eng., Chair  
 Dan Ropchan, P.Eng., Past Chair  
 Mark Ewanishin, P.Eng., Vice Chair  
 Dave Morris, P.Eng., Secretary  
 Barry Brown, P.Eng., Treasurer  
 Heidi Yang, E.I.T.,  
 Student Outreach Co-Ordinator

Wing Choy, P.Eng.  
 Yukon Davies, Student  
 Jason Fimrite, P.Eng.  
 Darwin Juell, P.Eng.  
 Dave Moore, P.Eng.  
 Brian Morrison, P.Eng.  
 Albert van Roodselaar, P.Eng., PhD

## VERMILION RIVER BRANCH

### *Tom Greenwood-Madsen, P.Eng., Chair*

The Vermilion River Branch focused its activities on three primary objectives during the 1997-98 year.

The first objective was to increase participation on the Branch Executive, especially among members residing in Lloydminster and working

within the oil and gas industry. Our success in meeting this objective has not been particularly encouraging. The Branch Executive lost long-time member Gerry Pyper, P.Eng., due to relocation in May and the Vice-Chair position has remained vacant all year.

The second objective was to provide branch activities and meetings that focused on professional development opportunities. In addition to successfully meeting the technical and

professional perspective of this objective, the branch activities were also able to provide opportunities for social interaction. The branch's annual golf and barbecue was held on May 29, in Vermilion, in conjunction with the local ASET/SASTT branch.

Continuing Professional Development seminars were held in the branch in the fall of 1997. In all, four CPD seminars were held: three general membership sessions at Wainwright, Lloydminster, and Vegreville respectively, and one in-house session for Husky Oil at Lloydminster. In all, 38 per cent of the branch's 140 members participated in these sessions.

The third objective was to expand the branch's already strong commitment to student outreach activities.

Branch activities in this area were very successful, with members acting as science fair judges in the Lloydminster area, and the branch expanding its junior high school math and science awards program to include the Manville School. This awards program was initiated by the branch in 1993 to recognize the math and science achievements of junior high school students in the area and, in 1997, 12 students received awards. The branch was also pleased to present the 1997 "Who Makes School Cool" Teacher Award to Mr. Verner Thompson of the Mannville School.

In closing, I would like to thank all members who have participated in or contributed to branch activities over the last year. In particular, my appreciation goes to the members of the Branch Executive for their effort and dedication in making the past year a success. The branch executive would also like to pass along special thanks to Bar Engineering Ltd. of Lloydminster for its continued support of our annual golf and barbecue event.

#### B R A N C H E X E C U T I V E

Tom Greenwood-Madsen, P.Eng., Chair  
 Brian Kennedy, P.Eng., P.Ag., Past-Chair  
 Rob Baron, P.Eng., Secretary/Treasurer

Gerry Pyper, P.Eng.  
 Quyen Nguyen, P.Eng.

## YELLOWHEAD BRANCH

### *Darryl Verheire, P.Eng. - Chair*

One of the Yellowhead Branch goals this past year was to increase the involvement and interaction with local schools and community organizations. This has been accomplished by offering our assistance both in the classroom (for technical presentations and guidance classes) and career and science fairs. We plan to continue our support for the education system through technical presentations and continue to support fairs and exhibitions.

The member turnout at our branch activities and meetings throughout

1997-98 has raised some important issues. We held three meetings trying to decide on the direction and purpose of our branch. We expect that the Yellowhead Branch will undergo some aggressive changes which will require cooperation, enthusiasm, and patience from our branch membership. The basic goals of the reorganization will be to increase member awareness and member involvement.

The Continuing Professional Development program was one of our main areas of focus. We only had a

moderate number of questions and concerns from our members regarding this program. We expect the volume of questions to increase in 1998 and plan to hold several seminars and workshops on the CPD program.

The dinner meeting during the President's Visit was well received by our members. We had a total of 22 people in attendance for the event. Members were given a presentation by Fred Otto, P.Eng. PhD, and had their questions answered by Dr. Otto and APEGGA Executive Director Neil Windsor, P.Eng. The evening was very useful in helping us to keep our members informed of new APEGGA events and programs.



#### B R A N C H E X E C U T I V E

Darryl Verheire, P.Eng. - Chair  
JoAnne Volk, P.Eng.  
Career Coordinator

Phil Bogner, P.Eng. - Treasurer  
Ross Pugh, P.Eng.  
John Baker, P.Eng.



*Central Alberta Branch  
Chair Réal Malo, E.I.T.,  
(left) thanks Alberta  
Science and Research  
Authority President Bob  
Fessenden, who spoke at  
a dinner held in  
connection with  
APEGGA Council's  
September meeting in  
Red Deer.*

# Honours and Awards

## THE APEGGA CENTENNIAL LEADERSHIP AWARD



*Walter H. Dilger, P. Eng., PhD*



Walter Dilger's professional career as a researcher, teacher, and consultant spans almost four decades.

His research focused on the behaviour and design of reinforced and pre-stressed concrete structures. His first significant contribution was his

PhD dissertation, in which a model for the prediction of the plastic rotation of reinforced concrete members was developed. To this day, his model is the basis for plastic rotation in the CEB-FIP Model Code.

Another major contribution (jointly with his colleague Dr. A. Ghali, P.Eng.) was the development of the shear stud reinforcement for flat slabs. This reinforcement simplifies construction of heavily loaded and long span slabs, doubles the strength and increases the ductile manifold. The latter is of particular importance for seismic design. The shear stud reinforcement is now used all over the world and is recognized in most international building codes.

Throughout his career, Dr. Dilger paid a lot of attention to time-dependent and temperature effects on concrete and composite structures. He developed new methods for the analysis of the creep and shrinkage effects in concrete structures. His research culminated in two editions of a book on "Creep of Plain and Structural Concrete", co-authored with Dr. A. M. Neville. In addition, major computer programs were developed for the time-dependent and temperature analysis of bridges built in stages, and of cable-stayed bridges. These programs are used by the industry in Canada and the United States. The research work included monitoring of bridges to evaluate the time-dependent and temperature effects during and after construction. Notable structures monitored included the Muskwa River Bridge on the Alaska Highway, the Yukon River

Bridge in Whitehorse, the LRT Bow River Bridge in Calgary, the Tsable River Bridge on Vancouver Island (currently under construction), and the newly-opened Confederation Bridge to Prince Edward Island.

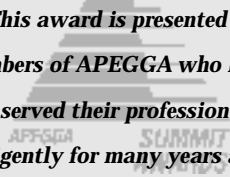
As a consultant, Dr. Dilger provided valuable services to structural consultants and contractors. His most notable achievements are his contribution to the design of the LRT Bow River Bridge, which was awarded the PTI Award of Excellence and the PCA Concrete Bridge Award, and his involvement in the design of the Confederation Bridge. He was very active during the conceptual design of the LRT bridge project. In the process, along with Dr. Gamil Tadros, P.Eng., and Project Director Paul Giannelia, he developed an innovative method for bridge construction that was patented in 1988. The method was, however, not used because it was not "proven technology". In the later stages of the design, Dr. Dilger was responsible for the shear design of its 250 metre-long haunched pre-stressed concrete box girders. During construction, Dr. Dilger's research on heat of hydration of concrete was used to predict and control concrete temperatures. Extensive temperature measurements confirmed the validity of the prediction model that had been specifically developed for the high performance concrete of the bridge. The measurements continued after the completion of the bridge in order to monitor the behaviour of the bridge and evaluate its long-term performance.

The practical experience gained during the design and monitoring of bridges has been transferred to a generation of bridge engineers who were Dr. Dilger's students.

***"Awarded to a member of APEGGA who has attained the highest distinction relating to the science of engineering, geology or geophysics, as an executive or director of an outstanding project or continuing enterprise in which the member has conducted, guided, directed or was responsible for the practice of the specific profession.***

***The nominee may have also attained the highest distinction by reason of invention, research or original work, or had an outstanding or exemplary career in the teaching of the professions."***

*Donald V. Currie, P. Geol.*



*"This award is presented to members of APEGGA who have served their profession diligently for many years and made substantial contributions to the operation of the Association and the advancement of its professional status."*

Donald Currie was born in Brandon, Manitoba, and received his public school education in Edmonton, Alberta. He obtained a B.Ed. from St. Francis Xavier University (Antigonish) and a B.Sc. and M.Sc. in geology from the University of Alberta in 1958 and 1969 respectively.

A registered geologist since 1968, Mr. Currie has contributed much to the affairs and activities of APEGGA. He served in various capacities on many committees and was a member of Council from 1979 to 1982. In 1986, he was granted Honorary Life Membership in the Association.

In 1986, he was appointed managing director of the Alberta Chamber of Resources (ACR). Mr. Currie managed and served on various ACR committees that led to amending legislation governing the exploration and development of metallic and industrial minerals in Alberta. He worked diligently to secure and ensure effective management of the Canada/Alberta Partnership on Mineral Development, an agreement between the federal and provincial governments, resulting in valuable fieldwork.

As managing director of the ACR, Mr. Currie provides an essential continuity from one president and board of directors to the next. Largely due to his efforts, the ACR has become a key

entity to be consulted by government in many areas which impinge upon responsible resource development, including education, safety, environmental protection, and renewable and non-renewable resource policy. Mr. Currie consistently brings to the organization's deliberations, the principles articulated by APEGGA.

Mr. Currie has worked as a petroleum geologist, taught high schools science, conducted hydrogeological research and managed a geotechnical drilling company. He has taught and continues to teach subsurface geology at the University of Alberta.

He has also been directly involved in support for the Geotechnical Society of Edmonton, the Alberta Geological Survey, the Canadian Society of Petroleum Geologists, and the Canadian Institute of Mining and Metallurgy.

He has accomplished a great deal behind the scenes in a variety of areas, with an absolute minimum of attention focused on himself. For his diligence, thoughtful steering of resource industry matters and the many contributions to advancing his profession, the APEGGA L.C. Charlesworth Award is bestowed upon Donald Currie.

## THE APEGGA EARLY ACCOMPLISHMENT AWARD

### *Suzanne M. Kresta, P.Eng., PhD*



Dr. Kresta earned her B.Sc. in chemical engineering from the University of New Brunswick in 1986, her M.Sc. from University of Leeds in 1987 and her PhD from McMaster University in 1992. She joined the Department of Chemical Engineering at the University of Alberta as an assistant professor in 1992, was promoted to associate professor in 1993, and assumed the duties of associate chair of the department in 1996.

Since her appointment, Dr. Kresta has continually excelled in her teaching, research, and administrative responsibilities. The students she has taught over the last five years have twice honoured Dr. Kresta with the Engineering Undergraduate Teaching Award (1993 and 1995). As a researcher, Dr. Kresta has an internationally recognized research laboratory in turbulent mixing. In addition to supervising her own graduate students, she served as the graduate student coordinator for the Department of Chemical and Materials Engineering from 1993-95, looking after the needs of approximately 60 students.

In 1996, Dr. Kresta undertook the role of associate chair of the

Department of Chemical and Materials Engineering. She actively promotes excellence in education, and her pioneering work in developing and chairing the New Faculty Forum — a program to mentor new engineering faculty members — is currently being adopted by a number of faculties across the University of Alberta.

In addition to her faculty duties, Dr. Kresta has been a member of APEGGA's Board of Examiners since July 1997. She helped organize the Canadian Society for Chemical Engineering Conference held in Edmonton (1997) and the 9th European Conference on Mixing (1997), and is technical program chair for the North American Mixing Forum. She has had extensive involvement with the Association of Women in Engineering and Science, including two years as president of the Edmonton Chapter. She has also been active in her community, serving on the board of Primrose Place Daycare (1994-95).

Dr. Kresta has demonstrated exceptional technical achievement in her early professional career, within the university setting as an engineering professor, in the wider engineering community, and as a role model for women in engineering and science.

*“Awarded to an APEGGA member whose nomination is received within ten years of eligibility for professional registration in Canada. The award recognizes exceptional achievement in the early years of an engineer's, geologist's or geophysicist's professional career. The member will have shown outstanding work-related achievement and continued leadership in the profession and community.”*

*J. E. (Ted) Newall*



*“The Council may confer Honorary Membership in APEGGA upon any person, who through initiative and leadership, has rendered eminent service allied with the professions. The nominee’s work will have contributed to the betterment of society through the development of new material, equipment, techniques, philosophy or management related to engineering, geology or geophysics.”*

Born in Holden, Alberta, and raised in Saskatchewan, Ted Newall graduated with a B.Comm. from the University of Saskatchewan in 1958. He began his career at DuPont that same year. During his tenure with the company, he rose to the position of president and chief executive officer in 1978, chair of the board of directors in 1979, and, in addition to these responsibilities, became senior vice-president–international, of E. I. DuPont in 1989.

In September 1991, Mr. Newall was named president, chief executive officer and a director of Nova Corporation, and in 1994 was appointed vice-chair and chief executive officer.

For more than 20 years, he has been actively involved in initiatives to improve business/government co-operation. He was the founding chair of the Prime Minister’s Advisory Committee on the Business/Government Executive Exchange Program. Prior to that, he served on a number of government and industry task forces. He is also a former chair of the Conference Board of Canada, and of the Business Council on National Issues.

In 1996, Mr. Newall was appointed to a three-year term as chair of the board of governors at The University of Calgary.

Mr. Newall is deeply involved in several-engineering related corporations in addition to NOVA, including Canadian Pacific Limited, Methanex Corporation, and Alcan Aluminum Limited. He holds an honorary doctorate of law from the University of Saskatchewan, has been named Chief Executive Officer of the Year by the Financial Post, appointed an Officer of the Order of Canada, and in 1994 was made an Honorary Fellow of the Chemical Institute of Canada.

While not a member of APEGGA, Mr. Newall has spearheaded initiatives in many areas that have brought pride to Alberta engineering.

Since Mr. Newall became chair of the board of governors at The University of

Calgary, he has shown personal interest and initiative on behalf of the Faculty of Engineering. Several new degrees have been approved during his tenure, including biomedical engineering, and oil and gas engineering. The board controls the budget of the university, and the Faculty of Engineering is possibly the only academic unit whose budget has increased significantly during a period of budget reductions.

A major extension to the engineering complex is being planned that will see space for engineering increase by approximately 20 per cent. Mr. Newall has shown a personal interest in the expansion and continues to work actively to ensure that near-term funding will be available.

His biggest contribution to the faculty has been in the area of computer and software engineering. He has spearheaded a plan at the university to double the size of enrolment in the Electrical and Computer Engineering Department, as well as in the Computer Science Department. It is likely that this initiative will see three degrees being offered by a vastly expanded department comprising electrical, computer and software engineering. During a period in which the demand for this specialization has soared and the supply of engineers has stretched, Mr. Newall’s initiative in expanding the university’s Faculty of Engineering is commendable.

For his exemplary leadership of a prominent engineering-based corporation, for fostering an environment in which business and engineering can thrive, and for his personal interest and efforts in improving engineering education in the province of Alberta, the Association confers honorary membership upon Ted Newall.

## HONORARY LIFE MEMBERSHIP

### *Dennis A. Lindberg, P. Eng.*




Born in Rimbey, Alberta, Dennis Lindberg graduated from the University of Alberta with a B.Sc. in civil engineering (with distinction) in 1961 and subsequently returned to complete an M.Sc. in civil engineering (geotechnical) in 1965. In 1976, he completed a six-week management program at the Banff School of Advanced Management.

Mr. Lindberg started his professional career with the production department of Shell Canada Ltd. After a break for post-graduate studies, he joined R. C. Thurber and Associates in Victoria as a geotechnical engineer. From 1966 to 1970, he was employed by the British Columbia Department of Highways in Prince George as regional materials engineer for the northern two-thirds of B.C.

In 1970, he returned to Edmonton as a principal and director of Thurber Consultants Ltd. to establish and manage the first branch office. Under his leadership, the branch grew to become a leading geotechnical consulting operation in Western and Northern Canada. Mr. Lindberg was managing director of the firm from 1983 to 1989, before selling his interest. He currently undertakes consult-

ing assignments with Thurber on a part-time basis and spends the balance of his time on volunteer assignments.

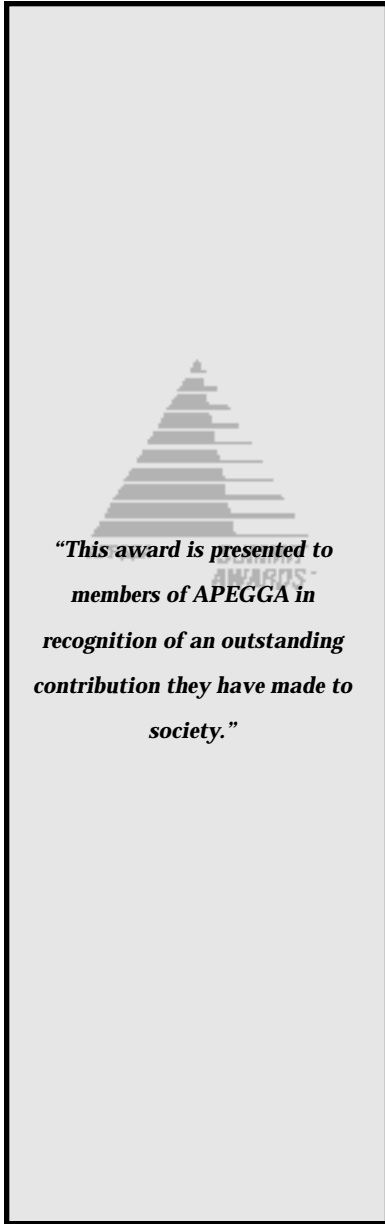
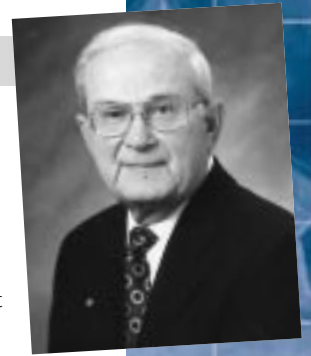
Over the years, Mr. Lindberg has been a strong supporter of professional, technical, church, and community groups. He has served on the executive as treasurer and chairman for a number of groups, including the Geotechnical Society of Edmonton and the local branch of the Engineering Institute of Canada. He was a director of the Alberta Chamber of Resources from 1985 to 1988, was elected to APEGGA Council from 1990 to 1993 and has served on APEGGA's Discipline Committee for four years. As chair of the Discipline Committee, he directed the completion of an educational video illustrating the discipline process and has served as moderator for Iron Ring workshops in Edmonton and Calgary. He also led the completion of a detailed review of the discipline process that culminated in fundamental changes that were approved at APEGGA's 1993 Annual General Meeting. Mr. Lindberg has served on the Association's Executive Committee, as 2nd Vice President (1994-95), as 1st Vice President (1996-97) and currently as President.



***"The Council may confer Honorary Life Membership in APEGGA upon any professional member who has rendered signal service to the Association."***



*William (Bill) A. Tapuska, P. Eng.*



William Tapuska has had a successful career in the consulting industry and made significant contributions to the welfare of less fortunate citizens in developing countries. For his service and contributions, Mr. Tapuska is being awarded the APEGGA Community Service Award.

Shortly after graduating from the University of Saskatchewan in 1959, Mr. Tapuska began a 33-year career with UMA Engineering Ltd. and UMA Group Ltd. He spent most of his career in southern Alberta, rising to the position of senior vice-president of UMA Engineering Ltd., and vice-president and director of UMA Group Ltd.

He was involved in many infrastructure, environmental, water resource and industrial projects in southern Alberta. During his tenure as senior vice-president, UMA's Lethbridge office was the 1987 recipient of the Agriculture Engineering Industrial Achievement Award. He was also the project principal for the Olympic bobsled and luge facility constructed at Calgary Olympic Park for the 1988 Olympic Winter Games, a project that won an award of excellence from the Association of Consulting Engineers of Canada.

Mr. Tapuska has placed a high priority on serving his community throughout his career. In 1979, he joined the Rotary Club of West Calgary. He has assumed a number of leadership roles since then. As a Rotarian, Mr. Tapuska participated in tours to India in 1983 and 1985 organized by the Royal Society for the Blind and Operation Eyesight

Universal. It was during this time that he became aware of the massive problem of early blindness affecting both adults and children, and realized that many of those afflicted died because of inadequate treatment and lack of social programs.

Upon his return, and on behalf of Operation Eyesight Universal, he launched one of the largest projects undertaken by a single Rotary Club, the adoption of the Rotary Hospital in Chandausi, India. He provided leadership for two World Community Service projects that resulted in the development of two eye hospitals in India. He coordinated seed funding from the Rotary Club (with grants from government and Rotary International) and construction by three India Rotary Clubs (with supervision by Operation Eyesight Universal based in Calgary). These facilities at present have the capacity to serve 60,000 people annually.

The success of these projects led to his appointment as president and then board chair of Operation Eyesight Universal. The organization is now a non-government agency servicing 1,100 projects in 51 programs, in 12 countries. Some 1.5 million people have had their sight restored as a result of this work. Operation Eyesight Universal is supported by approximately 40,000 donors and government grants, funding an annual budget of about \$5 million. Mr. Tapuska has been instrumental in reorganizing, updating and improving the agency's overall operations.

*P. Raj Bishnoi, P. Eng., PhD*



For his technical contributions and innovations in engineering sciences applied to the solutions of practical problems and his strength in a research career that spanned decades and produced valuable research and a significant number of undergraduate and graduate students who are themselves successful innovators, the 1998 APEGGA Frank Spragins Technical Award is bestowed upon Dr. Prithwi Raj Bishnoi, P.Eng.

Dr. Bishnoi received his bachelor's degree in 1960 and master's degree in 1962, both in chemical engineering from the University of Bombay. He subsequently received his doctorate in chemical engineering in 1970 from the University of Alberta. He is a registered professional engineer with APEGGA, a Fellow of the Chemical Institute of Canada, and a member of the Canadian Society for Chemical Engineering, the American Institute of Chemical Engineers, and the Indian Institute of Chemical Engineers.

Dr. Bishnoi worked for five years as a senior process engineer in the consulting industry and as a research engineer at the University of Alberta. In 1975, he joined The University of Calgary as an associate professor in the Chemical Engineering Department. In 1980, Dr. Bishnoi became a full professor in the

Department of Chemical and Petroleum Engineering. Along with his educational and research career, he is an active consultant in Alberta and internationally. He was a co-founder of Hyprotech Ltd., which today is known for its popular process simulation software HYSIM.

Dr. Bishnoi co-invented a thermodynamic model known as the "Trebble-Bishnoi Equation of State", which is used by process engineers and researchers worldwide. His contributions in chemical engineering thermodynamics, gas hydrates and process simulation are well recognized in the oil and gas industry, and used by practicing chemical engineers throughout the world.

Dr. Bishnoi has introduced three new process engineering and design courses at the graduate and undergraduate levels in chemical engineering at The University of Calgary. He has supervised a large number of M.Sc., M.Eng. and PhD students.

Dr. Bishnoi received a "Research Excellence Award" in 1997 from the Faculty of Engineering at The University of Calgary.

Dr. Bishnoi has also been a dedicated volunteer with the Hindu Society of Calgary, and, in 1997, the Indo-Canada Association of Calgary bestowed the "Professional Excellence Award" upon him.

*"Awarded to members of APEGGA who are recognized by their peers for their integrity and expertise and for their outstanding accomplishments in fields related to engineering, geology or geophysics."*

*The Canadian Liquefaction Experiment (CANLEX) Project*

*“Awarded to a project demonstrating engineering, geological or geophysical skills and representing a substantial contribution to technical progress and the betterment of society. The Association will give credit to those firms and/or persons assuming key roles in bringing the project to completion.”*

The CANLEX project was initiated at the University of Alberta in the Department of Civil Engineering four years ago by the Geotechnical Engineering Group. It represents a collaborative research endeavour among many of the nation’s prominent geotechnical experts from industry, consultant companies, and universities. The focus of the CANLEX Project was to examine the behaviour of loose sand deposits and their potential to liquefy under static or dynamic loading. Sandy soils are used in the construction of earth dams, embankments, and mine tailings containment structures. This latter topic is of major significance to the oil sands industry of Alberta, although the results of the project are being used worldwide.

Prior to the project’s inception, the integrity of many existing structures, within and outside Alberta, was in doubt. It was not known what causes a sandy structure to suddenly collapse even under a static load (its own weight), as a function of moisture content or when subject to earthquake forces under the same conditions. The CANLEX team, based at the University of Alberta, undertook to characterize such deposits to confirm their integrity and to ensure the safe design of future structures.

The project focused on optimizing the characterization of sands to gain a better understanding of liquefaction mechanisms. The loop was closed from theoretical procedures and ana-

lytical tools to actual field conditions. Structures were in existence whose integrity was in doubt. As a result of the output of the project, these structures were ratified as being safe and, in the case of the Mildred Lake J-Pit berm at the Syncrude Canada Ltd. tailings ponds site, the capacity could be safely increased.

The CANLEX project was a vision of Dr. Peter Robertson, P.Eng., a professor of civil engineering at the University of Alberta. An immediate result of the success of the project was the construction of a toe-berm across the J-pit to enable the expansion of a tailings pond at the Mildred Lake site in Fort McMurray. The project, by its very nature, has global applications, particularly in earthquake-prone sites. B.C. Hydro used output from the project to investigate the integrity of its Oak St. #2 Substation in Vancouver. The Ministry of Transport in Vancouver studied the integrity of the Massey Tunnel from Delta to Richmond. Kennicott Copper Co. of Salt Lake City is using the CANLEX results, as is Klohn-Crippen Consultants Ltd. of Richmond, B.C., in several applications.

The CANLEX Project is a unique project, improving conditions for mankind, substantially conceived and executed by Albertans for Alberta, and with worldwide applications to structures composed of sandy soils under static and dynamic loading.



*Peter Robertson, P.Eng., PhD*

# Minutes of the 77th Annual General Meeting

8:30 a.m., Friday, 18 April, 1997

F.D. Otto, P. Eng., Chair

Palliser Hotel, Calgary AB

President Fred D. Otto, P. Eng., PhD, called the 77th Annual General Meeting of the Association of Professional Engineers, Geologists and Geophysicists of Alberta to order at 8:55 a.m. Approximately 123 members and guests were in attendance.

The President announced that, as required by Bylaw 16(3), the quorum requirements have been met. Also, as required by Bylaw 16(2), notice of the meeting was published in both the January and February editions of The PEGG, thus fulfilling the 90 day notification period to the membership. Parliamentarian for the meeting was Barry Massing, legal counsel. The procedure for presentation of resolutions was also reviewed.

Platform participants, including President Otto, were introduced as follows: Dennis A. Lindberg, P. Eng., President-Elect; H. Neil Windsor, P. Eng., Executive Director & Registrar; John R. Wood, P. Eng., Past President; and Don Ferrier, P. Eng., Second Vice President.

## 1. PAYMENT OF RESPECT TO MEMBERS DECEASED SINCE 1996 ANNUAL MEETING

Members were requested to rise and observe a moment of silence in memory of those members who passed away since the 1996 Annual General Meeting.  
(Appendix A)

## 2. ANNOUNCEMENT OF ELECTION RESULTS

The President announced the results of the election, as reported by the Ballot Counting Committee.

Elected President (unopposed) *Dennis A. Lindberg, P. Eng.*

Elected 1st Vice President *Dan R. Motyka, P. Eng.*

Elected 2nd Vice President *Connie G. Parenteau, P. Eng.*

Elected to Council:

*M. Elizabeth Cannon, P. Eng.*

*Neil D. O'Donnell, P. Eng., P. Geol.*

*Bonnie R. Stowkowy, P. Eng.*

*H. Dale Miller, P. Eng.*

President Otto expressed appreciation to those who let their names stand for election, but were unsuccessful, and encouraged them to seek election again next year.

## 3. OBJECTION TO ELECTION RESULTS

As there were no objections to the election results, the President advised that pursuant to Section 10(3) of the Bylaws, the ballots would be destroyed.

## 4. MINUTES OF THE 1996 ANNUAL GENERAL MEETING

**MOVED, SECONDED AND CARRIED:**

**THAT the Minutes of the 1996 Annual General Meeting be approved as published.**

## 5. BUSINESS ARISING FROM THE MINUTES

There was no business arising.

## 6. AUDITOR'S REPORT

**MOVED, SECONDED AND CARRIED**

**THAT the Audited Financial Statements for the year ending December 31, 1996 be approved.**

## 7. APPOINTMENT OF AUDITORS FOR 1997

**MOVED, SECONDED AND CARRIED:**

**THAT Bruce Childs, C.A. be appointed as Auditor for the year ending December 31, 1997.**

## 8. PRESIDENT'S REPORT

The President's report for the 1996-97 term was published in the Annual Report. President Otto also gave a brief overview of APEGGA's Business Plan and key aspects.

## 9. REPORTS OF BOARDS, COMMITTEES AND BRANCHES

Annual reports from all Association Boards, Committees and Branches were published in the Annual Report.

**MOVED, SECONDED AND CARRIED:**

**THAT the reports of the Association Boards, Committee, and Branches, as published in the Annual Report be approved.**

## 10. CANADIAN COUNCIL OF PROFESSIONAL ENGINEERS

### 10.1 Chair

Mr. John Bate, P. Eng. presented a brief on behalf of CCPE. Mr. Bate also outlined the purpose and operations of the CCPE as well as the current organizational status.

### 10.2 Alberta Director

Dennis Lindberg, P. Eng. provided the report on behalf of APEGGA's Director, Noel Cleland, P. Eng., who was unable to attend the AGM. Dennis Lindberg reported on the following:

- ◆ CCPE will be holding a Special Meeting of the Board of Directors on April 19 - 20 in Calgary. The purpose of the meeting will be to discuss CCPE's governance structure and mandate.
- ◆ APEGGA will host CCPE's Annual General Meeting in the year 2002.
- ◆ CCPE is the owner of the trademark "Engineer" and is initiating action against the use of "Network Engineer" and "Software Engineer".

President Otto advised the membership that Bill Fraser, P. Eng., Alberta's representative on the CCPE Executive Committee, will be stepping down in May. Bill Fraser

spoke to the membership and related to them that the CCPE does provide an important function to the global membership of engineers, especially as we move to a global economy. He related that the greatest challenge facing the CCPE at this point is to implement the national vision of engineering. Mr. Fraser also expressed that he felt very privileged to have served APEGGA during his time on the CCPE Board of Directors and CCPE Executive Committee.

## 11. NEW BUSINESS

11.1 Revisions to the Act, Regulations and Bylaws  
Gordon Stewart, P. Eng., Chairman of the Acts, Regulations and Bylaws Committee presented the proposed revisions. The revisions are as follows:

### ACT

Appeal Board 49(4). Revise to eliminate any ambiguity and be consistent with Investigative Committee Options.

#### **MOVED, SECONDED AND CARRIED:**

***THAT the amendment to Act 49(4) be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

Municipal Business Licence 98. New amendment to exempt the services of Professional Engineers, Geologists and Geophysicists from being levied a "Business Licence Fee".

#### **MOVED, SECONDED AND CARRIED:**

***THAT the amendment to Act 98 be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

Practice Reviews 16(1)(b). Delete "with the approval of Council,"

#### **MOVED, SECONDED AND CARRIED:**

***THAT the amendment to Act 16(1)(b) be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

### REGULATIONS

Practice Reviews 26(1). Delete "with the approval of the Council,"

#### **MOVED, SECONDED AND CARRIED:**

***THAT the amendment to Regulation 26(1) be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

Professional Development Program 23.1(1), 23.1(2), 23.1(3), 23.1(4), 23.2(1), 23.2(2), 23.2(3). New regulations to enable the implementation of a compulsory continuing education program.

#### **MOVED AND SECONDED:**

***THAT the new Regulations 23.1(1), 23.1(2), 23.1(3), 23.1(4), 23.2(1), 23.2(2), 23.2(3) be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

The motion was amended and it was

#### **MOVED AND SECONDED:**

***THAT Regulation 23.1(1) be changed to remove "hereby establishes" and replace it with "may establish".***

***The amendment was defeated.***

***The original motion was carried.***

Executive Committee 32(1). Include "the Executive Director"

#### **MOVED, SECONDED:**

***THAT the amendment to Regulation 32(1) be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

The motion was amended and it was

#### **MOVED, SECONDED AND CARRIED:**

***THAT the word "Chairman" be made gender neutral to "Chair".***

***The Motion as Amended was Carried.***

### BYLAWS

Bylaw 25(1). Delete "in its discretion by majority vote" to delegate authority to APEGGA's Registration Department as per the New Governance Model.

#### **MOVED, SECONDED AND CARRIED:**

***THAT the amendment to Bylaw 25(1) be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

Bylaw 28(2), 28(3). Redrafted and consolidated with 28(3) to coincide with the New Governance Model.

#### **MOVED, SECONDED AND CARRIED:**

***THAT the amendment to Bylaws 28(2) and 28(3) be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

Bylaw 29. Made Gender neutral.

#### **MOVED, SECONDED AND CARRIED:**

***THAT the amendment to Bylaw 29 be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.***

Bylaw 34(1). Delete "valid to December 31st of the year in which it is issued". Add "Upon renewal" to be consistent with the new member invoicing procedures.

**MOVED, SECONDED AND CARRIED:**

**THAT the amendment to Bylaw 34(1) be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.**

Bylaw 36. Delete the word "Council" and replace with "Appeal Board" to be consistent with Act.

**MOVED, SECONDED AND CARRIED:**

**THAT the amendment to Bylaw 36 be approved and forwarded to the Alberta Government for consideration and incorporation into the Provincial Legislation.**

**11.2 Resolutions**

No resolutions were submitted.

**11.3 Other Business**

**CCPG**

Dr. Gordon Williams, P. Geol., presented brief remarks to the membership thanking APEGGA for its support of a national organization for the professions in geoscientists. CCPG has received Federal Letters Patent and now exists in actuality; not just conceptually.

**Fort McMurray Branch Bylaws**

Mr. Prakash Malik, P. Eng., stood up to advise that the Bylaws for the Fort McMurray Branch were in a very sad state, bogged down by procedural technicalities. The Bylaws should be amended.

**12. APPOINTMENT OF NOMINATING COMMITTEE FOR 1997-98**

As required by Section 2 of the Bylaws, APEGGA Council recommends the following members be appointed to the 1997-98 Nominating Committee:

Chair	F.D. Otto, P. Eng.	Edmonton
Past Chair	J.R. Wood, P. Eng.	Calgary
Members:	G. Eynon, P. Geol.	Calgary
	S.P.F. Fedyna, P. Eng.	Calgary
	D.R. Ferrier, P. Eng.	Calgary
	W.R. Hibbard, P. Eng.	Edmonton
	O.P. Malik, P. Eng.	Calgary
	C.J. Montgomery, P. Eng.	Edmonton
	J.D. Newbert, P. Eng.	Calgary
	J.W. Peirce, P. Geoph.	Calgary
	R. Ross, P. Eng.	Edmonton
	G.G. Stewart, P. Eng.	Edmonton
	B.M. Wright, P. Geol.	Fort McMurray

**MOVED, SECONDED AND CARRIED:**

**THAT the membership of the 1997-1998 Nominating Committee, as proposed by Council, be approved.**

**13. DATES AND PLACES FOR 1998, 1999 AND 2000 ANNUAL GENERAL MEETINGS**

- (a) 1998 Annual General Meeting

**MOVED, SECONDED AND CARRIED:**

**THAT the 1998 Annual General Meeting be held on Friday, April 17, 1998, at the Westin Hotel, Edmonton.**

- (b) 1999 Annual General Meeting

**MOVED, SECONDED AND CARRIED:**

**THAT the 1999 Annual General Meeting be held on Friday, April 23, 1999, at the Palliser Hotel, Calgary.**

- (c) 2000 Annual General Meeting

**MOVED, SECONDED AND CARRIED:**

**THAT the 2000 Annual General meeting be held on Friday, April 28, 2000 at the Shaw Conference Centre, Edmonton.**

**14. ISSUES FORUM**

**14.1 Business Plan**

**14.2 Continuing Professional Development**

**14.3 Image Enhancement**

Due to time constraints, the Issues Forum was not conducted.

**15. INDUCTION OF PRESIDENT ELECT**

Outgoing President Fred Otto expressed his thanks to the Council and Membership of APEGGA for making it a challenging and rewarding experience to be President of APEGGA. President Otto also expressed his appreciation for the support he received from former Executive Director Robert Ross, P. Eng., and current Executive Director Neil Windsor, P. Eng.

President Elect Lindberg read the Oath of Office of the President of the Association of Professional Engineers, Geologists and Geophysicists of Alberta. President Lindberg said that he benefited from the visionary leadership of Dr. Otto and that APEGGA has accomplished much in the past year but still has much more work to be done to stay on course.

President Lindberg feels that it is a privilege and an honour to be awarded the challenging position of President of APEGGA and he thanked the retiring Council members for their dedication and commitment to the Association. He also thanked all Council candidates who were unsuccessful for letting their names stand for election.

**16. ADJOURNMENT**

The meeting adjourned at 11:39 a.m.

## APPENDIX A

### APEGGA MEMBERS DECEASED

#### SINCE APRIL 1996 ANNUAL GENERAL MEETING

ALLAN, James, P.Geol., PhD		LUFT, Morley F., P.Eng.	Life Member
ALLART, Otto Henri, P.Eng.	Life Member	MacDONALD, Donald Lyon, P.Eng.	Life Member
ASANO, Barry, P.Eng.		MacKENZIE, Colin Campbell, P.Geoph.	
AVRIN, Gary Stephen, P.Eng.		MacPHERSON, Robert Bruce, P.Eng.	
BAILLIES, John Alexander, P.Eng.	Life Member	MARSHALL, Donald John Blake, P.Eng.	
BARDAL, Frederick Leroy, P.Eng.		MARTEINSON, Clifford Asmundur, P.Eng.	Life Member
BEBENSEE, Lloyd Wilfred, P.Geol.		McCALLUM, James Williamson Bartlett, P.Eng.	Life Member
BOYLE, William Eric, P.Eng.	Life Member	McDIARMAID, Robert Batson, P.Eng.	Life Member
BROWN, Norman Elwood, P.Geol.	Life Member	McKAY, John Richard, P.Eng.	Life Member
BURROWS, Douglas Frank	Honourary Member	MILLAR, James Francis Verchere, P.Eng., PhD	Life Member
COLBURN, Leroy Earl, P.Eng.	Life Member	NEUMANN, Harold James, P.Eng.	
COOPER, Stephen Paul, P.Eng.		NEWBY, Jack W., P.Eng.	Life Member
COSGROVE, Donald T., P.Geol.		PARK, Donald MacKenzie, P.Eng.	
CUMMER, Roy Frederick, P.Eng.	Life Member	PATERSON, Raymund Gordon, P.Eng.	Life Member
DAAE, Wilbert Allan, P.Eng.		PRATHER, Rollin Wayne, P.Geol.	Life Member
DONAIS, Patrick Mark, P.Geoph.		RINDERO, Larry Gordon, P.Geol.	
DUNCAN, Robert Howieson, P.Eng.		ROSS, George, P.Eng.	Life Member
FARMILO, Alfred William, P.Geol.	Life Member	SAH, Ramesh, P.Eng.	
GEEHAN, Thomas Edward, P.Eng.		SMALL, Keith Richard, P.Eng.	
GOLKE, Bruce Arnold, P.Eng.		SMITH, William Lloyd Denzil, P.Geoph.	Life Member
GOODMAN, Ronald, P.Eng.	Life Member	THORSEN, LeRoy Allan, P.Eng.	Life Member
HARDING, Stanley Russell Lauck, P.Geol.	Life Member	TONG, George Yiu Man, P.Eng.	
HAUCK, Stanley Philip, P.Eng.	Life Member	TYMCHUK, Douglas Donovan, P.Eng.	
HEMPHILL, David John, P.Eng.	Life Member	VAN ENS, Jeen, P.Eng.	
HEWES, Frank William, P.Eng.		WALKER, Robert John, P.Eng.	Life Member
HOLLINGSHEAD, Robert John, P.Eng.	Life Member	WARD, Michael Alan, P.Eng., PhD	
HOWARD, Albert Warren, P.Eng.	Life Member	WIENS, Walter Peter, P.Geol.	Life Member
JACKSON, Spencer George, P.Eng.	Life Member	WILSON, Delbert Reginald, P.Eng.	Life Member
KERR, Byron Thomas, P.Eng.	Life Member	WOLFE, Wendell W., P.Eng.	Life Member
LAWRENCE, Walter Arthur, P.Eng.	Life Member	WRIGHT, Errol Harcourt, P.Eng.	Life Member
LAZIB, Andre Achour, P.Geoph.			

# ***AGENDA — 78th Annual General Meeting***

*17 April, 1998 - Westin Hotel, Edmonton AB*

1. PAYMENT OF RESPECT TO MEMBERS DECEASED SINCE 1997 ANNUAL MEETING.
2. ANNOUNCEMENT OF ELECTION RESULTS.
3. OBJECTION TO ELECTION RESULTS.
4. MINUTES OF THE 1997 ANNUAL GENERAL MEETING.
5. BUSINESS ARISING FROM THE MINUTES.
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