

Annual Report 1999-2000



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, geomatics, information technology, biotechnology, manufacturing and processing. Under Alberta statute, APEGGA registers, sets practice standards and determines disciplinary action, when necessary, for its more than 32,000 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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About The Cover

As the calendar changed from 1999 to 2000, it provided an opportunity to reflect on developments in the preceding one hundred, one thousand, and even the past two thousand years. The cover of the 1999-2000 Annual Report offers reminders of some of the many discoveries and inventions — be it the mechanical clock, the steam engine, offshore exploration, the Internet or DNA — that now may be taken for granted. The insight and imaginative thinking of engineers and geoscientists contributed to many of these advances. Look to the professions represented by APEGGA to make similar contributions in the years ahead.

1999/2000 COUNCIL

PRESIDENT

Darrel Danyluk, P.Eng.

PAST PRESIDENT

Dan R. Motyka, P.Eng.

1ST VICE PRESIDENT

Sue Evison, P.Eng.

2ND VICE PRESIDENT

Gordon Williams, P.Geol., PhD

PUBLIC REPRESENTATIVES ON APEGGA COUNCIL

Hugh Planche Michael Stevens-Guille Stanley Souch, PhD

APEGGA COUNCILLORS

Elizabeth Cannon, P.Eng., PhD	Neil O'Donnell, P.Eng., P.Geol.
Bonnie Stowkowy, P.Eng.	Dale Miller, P.Eng.
Elaine Honsberger, P.Geoph.	Mike Smyth, P.Eng.
Gordon Stewart, P.Eng.	Linda Van Gastel, P.Eng.
Ken Porteous, P.Eng., PhD	Bill Roggensack, P.Eng., PhD
Ron Tenove, P.Eng.	Brenda Wright, P.Geol.

CANADIAN COUNCIL OF PROFESSIONAL ENGINEERS — ALBERTA DIRECTORS

Fred Otto, P.Eng., PhD
Noel Cleland, P.Eng.

CANADIAN COUNCIL OF PROFESSIONAL GEOSCIENTISTS — ALBERTA DIRECTOR

Bob Comer, P.Geoph.

BRANCH CHAIRS

Calgary – Stephen Calderwood, P.Eng.	Medicine Hat – Vern Fedor, P.Eng.
Central Alberta – Andrea Dawson, E.I.T.	Peace River – Mark Ewanishin, P.Eng.
Fort McMurray – Greg Gaudet, P.Eng.	Vermilion River – Barry Ranger, P.Eng.
Lakeland – Bill Chase, P.Eng.	Yellowhead – Phil Bogner, P.Eng.
Lethbridge – Norbert Bohnert, P.Eng.	

STAFF

Executive Director and Registrar H. Neil Windsor, P.Eng.
Deputy Registrar and Director Administration Albert Schuld, P.Eng.
Director Compliance David Todd, P.Eng.
Director Registration Mark Tokarik, LL.B., P.Eng.
Director Professional Practice Raymond Chopiuk, P.Eng.
Director Professional Development Leonard Shrimpton, P.Eng.
Director Communications & Public Affairs Chrys. Dmytruk, P.Eng.
Director Special Projects Stewart McIntosh, P.Eng.

President's Report

Darrel Danyluk, P.Eng.

We are living through a time of transition.

During my term as APEGGA President, we crossed a historic threshold — moving from the 1900s to the 2000s. Yet it's not just the calendar that reminds us of change. What's happening around us daily tells us that we live in a state of flux — a world

different from that of five years ago and certainly transformed from the one we knew a decade ago when words such as Web-design, e-mail and e-commerce were not familiar elements of our vocabulary.

As we approached the threshold and we peered Janus-like backward and forward, opinion divided on whether the much-mentioned millennium bug posed a serious threat. We appeared to survive, and perhaps we in Canada and other western countries want to credit that to Y2K compliance and spending billions of dollars to beat the bug. At the same time, the likes of Russia, which appeared to opt for Y2K defiance and little spending, so far, also seems to have waded through without dire consequences. It may have added to public skepticism. Perhaps it will make it more difficult to convince some that dedicating resources to technology and innovation can lead to the betterment of life.

Like it or not, we are propelled by the computer-based communication revolution. Some members of this Association are among the leading-edge agents of these changes. Even if we simply are consumers of these new technologies, they affect the "hows", "whens" and "wheres", and even the "whys" of our lives and our business. We must recognize that change is a constant and we must be positive in our approach to change.

Building Consensus and Bridges

APEGGA, through its members, can alert stakeholder groups not only to the value of engineering and geoscience services, but also can inform the public of the part that technology plays in improving our lives. Belonging as they do to an organization which brings together under one roof three professions and varied dis-

ciplines within them, APEGGA members can serve as consensus makers, and as bridge builders toward a better public understanding of technology. That process is aided when members also are well informed about APEGGA and the role it has played for 80 years as a self-governing professional organization with a prime objective of protecting the public — a public sometimes confused by or even distrustful of technology.

Every day, our members apply their technical and managerial skills to solve problems — individually and as teams, we do a tremendous job. Still, I have become aware — more so in the past year as I had opportunity to speak with so many engineers and geoscientists from varying backgrounds — that our focus sometimes may be too narrow, too technical, and that sometimes we fail to place our work in a wider social context.

Frankly, I've found myself on occasion disappointed by the level of awareness some members have of their Association, its aims and its activities (and this despite concerted efforts to communicate the message). That lack of awareness extended to matters that have been on high on APEGGA's agenda in the past year.

At the peril of sounding repetitious to some, let me remind you of some of these issues and accomplishments.

Government Relations

We continue efforts to improve relations with the provincial and local governments. This has remained an important priority, particularly in the face of reorganization within the Alberta government and the appointment of the Hon. Clint Dunford as the Minister responsible for the Engineering, Geological and Geophysical Professions Act. In the case of Mr. Dunford, we look forward to building on the excellent relationship we maintained with his predecessors, Hon. Stan Woloshyn and Hon. Ed Stelmach. We continue to stress the success APEGGA has had at fulfilling the mandate of protecting the public — a mandate given to us over 80 years ago. We stress the knowledge base that comes from over 33,000 members, and the wealth-gen-

eration that comes from strong, innovative engineering and geoscience sectors.

Through the Alberta Urban Municipalities Association, and the Alberta Association of Municipal Districts and Counties, as well as through direct liaison with civic officials, we continued to stress the added value of utilizing the skills and services of APEGGA members.

Mobility Agreement

The signing last June of an Inter-Association Mobility Agreement involving the Canadian Council of Professional Engineers and its constituent associations/ordre to facilitate the movement of qualified engineers among Canadian jurisdictions represents a significant advance. (The Canadian Council of Professional Geoscientists is developing a similar mobility agreement and hopes to receive approval of the constituent associations/ordre by this fall.)

At branch meetings, it has become obvious that we have not succeeded in communicating this significant event and its importance to our members and all engineers across Canada.

Registered Professional Technologists

This past year the EGGP Act was amended to permit licensure by APEGGA of Registered Professional Technologists (Engineering). This recognizes the special skills of certain technologists, and their ability to practice engineering independently and to accept legal responsibility for work within a defined scope of practice.

It has taken many years of detailed discussion to reach this conclusion.

It is disappointing that before the first RPT (Eng.) is licensed, ASET continues to argue a message for its own Act with an independent scope of practice.

Statute of Limitation

Effective March 1, 1999, a new Alberta Limitations Act came into effect. It means that thanks to lengthy lobbying by APEGGA and others, our province now has a long-sought-after regime that more clearly defines the time within which professionals, such as engineers, can be sued in connection



with projects. This legislation is unique in Canada and a significant benefit to each of our members.

Student Advantage Program

I am particularly pleased to see the Association this past year implement the APEGGA Student Advantage Program (ASAP). This is a way of reaching out to future members of our professions now enrolled in second-year or higher engineering and geoscience courses at Alberta universities. Students who enrol can access some of APEGGA's member services and have an early opportunity to gain an understanding of the Association and its objectives.

Council Task Forces

The work of Council Task Forces continued to bear fruit. The Geoscience Task Force, which presented an extensive report at the time of last year's Annual General Meeting, is the Task Force most advanced in its deliberations. This Task Force has continued to keep Council apprised of the need for APEGGA to maintain a welcoming attitude toward earth scientists. The Emerging Disciplines Task Force has undertaken significant fact-finding on the composition and demographics of the new and high technology sector in Alberta. The findings should provide a better understanding of the emerging technologies and how they could affect the public, APEGGA and its membership. The Relevancy Task Force is examining ways of ensuring effective and improved regulation of the professions; differentiation of the professions where that has value to

stakeholders, and communication to ensure stakeholders understand the value of the professions.

These three Council Task Forces and two others that have been active in the past year (Statutory Committees, and Regulating Corporate Practice) arose from recommendations at APEGGA's 1998 and 1999 strategic planning sessions. In the past decade, Council members and senior APEGGA staff have gathered annually for these strategic planning sessions. While these meetings are important in helping set our bearings, the Task Forces have proven critical in assuring that we stay the course and take steps to improve the Association. Each Task Force will report to the 2000 AGM.

Title Protection

This past year, APEGGA remained an active participant in activities taking place at the national level through the Canadian Council of Professional Engineers. Of particular significance were efforts taken to protect the integrity of the term "engineer" and "engineering".

APEGGA supported efforts of its sister association in Newfoundland to prevent Memorial University of Newfoundland (with backing from the Association of Universities and Colleges of Canada) from using the term "software engineering" for a program that does not qualify graduates for licensure as professional engineers. Parties to the dispute decided to set aside legal action in favour of forming a blue-ribbon panel that has been given a year in which to make recom-

mendations on how the dispute might be resolved. APEGGA strongly supports this approach.

It is important that practical and workable solutions to deal with — and where appropriate, to provide a home within APEGGA for — those employed in the emerging technology fields.

In Conclusion

As professionals, we have an ongoing responsibility to keep learning, not just about our specialized areas or disciplines but also to keep abreast of developments affecting our wider professional environment. Certainly, serving as President of APEGGA this year has been a learning experience. I not only have had the opportunity to understand the Association in greater depth, I also have been impressed to discover more about the diversity of talent represented within our membership. Furthermore, I have become keenly aware of the vital contribution our members make toward improving and maintaining the quality of life inside and outside Alberta.

Of special note is the quality of your members of Council. I have been immensely impressed by the professionalism demonstrated by all members in presenting often varying views on difficult issues and their ability to listen, debate and reach agreement. I am proud to have had the opportunity to be their chair and your President.

I have enjoyed serving as President of APEGGA and I look forward to following and supporting the Association's progress under our next President, Sue Evison, PEng.

APEGGA President Darrel Danyluk, PEng., presides over first Council meeting held in the D. A. Lindberg Conference Centre. The centre forms part of APEGGA's head office in Edmonton and includes state-of-the art audio-visual and teleconferencing technology. The centre is used for meetings of Council, committee and boards, as well as for APEGGA receptions.



Executive Director's Report

H. Neil Windsor, P.Eng.

The past year has been, as predicted, a year highlighted by significant legislative change and regulation renewal. Amendments to the EGGP Act and Regulations provided for licensure of Registered Professional Technologists, liability limitations for profes-

sionals, protection from municipal business fees, and regulatory reform in compliance with the stated policy of government. All these measures will have positive impact on our professions in the years ahead.

Nationally, restructuring of the Canadian Council of Professional Engineers (CCPE) and direct challenges to the engineering profession by the academic community and the information technology industry have demanded particular attention by Council and staff. The Canadian Council of Professional Geoscientists (CCPG) has enjoyed a successful first year of operation and is looking forward to continued growth in the year ahead.

Issues relating specifically to geoscientists and emerging disciplines have emphasized a general lack of appreciation for the relevancy of APEGGA to the professions and of the professions to society. No greater challenge to the future of our professions exists today and nothing will require more attention in the years ahead. During this year, our 80th as a professional association serving the people of Alberta, we must take the opportunity to refocus and re-examine our purpose and our objectives, and how we can better serve our members and the public.

Business Plan

The Business Plan 2000, The New Millennium provided a strong framework within which existing programs were expanded and new programs initiated. Council strategy sessions held each May provide an excellent opportunity for reflection on the year past and the challenges that lie ahead for the new Council. Each year, based on the outcome of the strategy sessions, the Business Plan is updated and Council's vision for the immediate, near and long-term future of the

professions, and how APEGGA can best serve their needs, is adjusted to meet the rapidly changing business realities. This plan forms the basis for the long-term budget strategy and charts a course for the coming years' activities.

Financial

Resulting from continued strong growth in membership, now exceeding 33,000 members, APEGGA's financial position remains sound without an increase in membership fees, although our reserves have declined slightly due to capital investments. Expansion of existing programs, implementation of new programs, and capital expenditures during the year saw expenditures increase by slightly more than seven per cent while revenues grew by some 5.2 per cent. Based on the continued strength of the Alberta economy, this rate of financial growth is expected to continue for the next several years. Increased demands by members for greater participation of APEGGA in various areas, and challenges to the professions on the provincial and national levels, as well as normal inflation, may require additional revenues beyond normal growth in the coming year.

Mobility

With the signing of the Inter-Association Mobility Agreement last June, mobility of professional engineers within Canada has been greatly improved. A draft agreement for geoscientists has been prepared by CCPG and is currently being reviewed by the provincial associations involved with a view toward a signing by this fall. Internationally, CCPE has signed a Memorandum of Understanding with France that provides reasonable mobility between our two countries for professional engineers. Mobility to the United States has not improved significantly since the signing of the NAFTA, as was expected, primarily because provincial associations and state boards have jurisdiction over professions. APEGGA is taking steps to initiate bilateral agreements with individual state boards. However, this is expected to be a fairly lengthy process.

Web Site & PEGG

During the past year, APEGGA's Web site has been completely redesigned to make it more user friendly and interactive. Work is continuing to further expand the site and additional features will be added during the coming year. *The PEGG* has also undergone some revisions in style and content and further upgrading is planned to better meet member needs. The response from members to both these initiatives has been very positive and we have appreciated additional suggestions received from members.

Board of Examiners

The Board of Examiners is one of the hardest-working boards and, perhaps, the one that receives the least recognition for the important service provided. The perception by many that the board is a "secret old civil engineers club" is totally without foundation and the board has taken steps to correct this view. The fact is that membership of the board has seen constant change and is representative of all academic disciplines and a wide range of industry. The board has recently decided that the names of board members will no longer be held in confidence, however, lobbying of board members will still not be tolerated.

APEGGA continues to gain its strength from the hundreds of professional members who serve on the various boards and committees. This contribution to our professions can not be emphasized enough and we could never hope to compensate these members for their contribution. However, increasing demands on these committees and on the time of members in the workplace has made finding volunteers increasingly difficult. We encourage more members to become involved in the affairs of your profession and to experience the personal satisfaction that committee work can provide.

Administration

Even though new and expanded programs have been initiated, staff levels have increased only moderately due to reallocation and reassignment of existing staff. Highly professional and

dedicated staff, in both the Edmonton and Calgary offices, provide a full range of services to members and support for the work of the Council, boards and committees. The Y2K challenge consumed considerable time and resources to ensure that our systems would respond appropriately to the start of the millennium and that our database was protected. Capital investment was required to replace non-compliant hardware and software and bring our systems up to par.

Demands on the time of volunteers, and increasing costs of travel and meeting facilities and services, stimulated a review of alternate methods of achieving our objectives.

Videoconferencing equipment was installed in the Edmonton and Calgary offices, thereby greatly reducing both the time and the cost of travel for committee meetings. As part of office expansion in Edmonton, a state-of-the-art conference centre was built to meet the wide-ranging needs of various boards and committees as well as Council meetings. Officially opened in November of 1999, the centre was named the D.A Lindberg Conference Centre in honour of former President Dennis Lindberg, P.Eng. who became critically ill during his term of office.

Outreach Programs

APEGGA is very involved with students at the primary, secondary and post-secondary levels. The student outreach program raises the awareness of students to the value of science and mathematics, and stimulates interest in the engineering and geo-

science professions. The student liaison program at the universities has been greatly strengthened through the new student registration program initiated this year, which sees registration of student members of APEGGA at the beginning of the second year of study. APEGGA has partnered with the Computers For Schools program and is encouraging members to donate surplus computer equipment to this very worthwhile program. Through the program, thousands of computers are refurbished and provided, free of charge, to schools and libraries throughout the province.

Branches

The work carried out by the branches of APEGGA has been invaluable in reaching out to both members and the public and helping to spread the message of our service to society. During the past year, the *Branch Manual* has been totally revised in cooperation with the branches and progress has been made in establishing a network within the community to reach all segments of society. This work by the branches will be critically important in raising the image and value of the professions in the minds of the public, industry and government.

Conclusions

The past year has been both challenging and rewarding. At the national level, dealing with the challenges presented by the information technology industry, and especially the non-accredited "software engineering" programs at universities, has been time-consuming and challenging.

Provincially, and nationally, the apparent lack of appreciation for the value and relevance of the professions by members and non-members alike has been particularly frustrating. Various Task Forces of Council have been working diligently on this problem and much remains to be done. These issues will continue to monopolize time and energy for the coming year at least and no issues will be of greater importance to the long-term interests of our professions.

Working with a very strong Council and a highly professional and capable President has been particularly rewarding for me personally. President Danyluk has tirelessly represented the interests of the professions both provincially and nationally. In important national matters, he has emerged as a leader amongst provincial and territorial presidents and has made a significant contribution to the work of CCPE. A year passes all too quickly and he leaves behind many of his ambitions for the professions in the hands of those who follow.

Perhaps the most significant achievement of APEGGA this past year was the realization by various groups that many important challenges are facing us and dealing with them will require close cooperation. A sense of common purpose seems to be emerging and we look forward to working with all groups and agencies toward our common objectives and on behalf of the people and province we serve. The year ahead will be a pivotal year for our professions and the opportunities to make a difference have never been better.



APEGGA Executive Director and Registrar Neil Windsor, P.Eng., (left) and APEGGA President Darrel Danyluk, P.Eng., on APEGGA's behalf, sign a new Inter-Association Mobility Agreement during the Canadian Council of Professional Engineers Annual Meeting in Yellowknife in June.

Registration Report

Mark Tokarik, LL.B., P.Eng., Director Registration



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. In 1999 APEGGA received 2,301 applications. The overall total membership increased 5.8 per cent to 32,752.

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 EGGP Act and Regulations. An applicant's academics 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 1999, the Board's Executive Committee met 11 times to consider 2,484 individual applications. The Full Board met twice in 1999 to consider policy issues, examination results, and three appeals from decisions of the Executive Committee.

Removal of Board Anonymity

The Board of Examiners agreed it was in the best interest of the public, of APEGGA's members, and of applicants to have the Board become a known committee and agreed to remove Board member anonymity. A complete list of the members of the Board of Examiners is included as part of this report.

Inter-Association Mobility Agreement (IAMA)

In June 1999 the twelve engineering Associations signed a revised Inter-Association Mobility Agreement to improve the inter-provincial mobility of engineers throughout Canada. The Board of Examiners agreed to implement the IAMA in its registration process.

Academic Qualifications

In October 1999, Canada and France signed a Mutual Recognition Agreement known as the CTI-CCPE Agreement to enhance the mobility of engineers between these two countries. The Board of Examiners agreed to implement the CTI-CCPE

Agreement in its registration process. In so doing, the Board recognizes the accreditation system in France as substantially equivalent to the Canadian accreditation system.

Registered Professional Technologists (Engineering)

The EGGP Act and Regulations were amended in 1999 to allow for the registration of Registered Professional Technologists (Engineering), also known as RPT (Eng.), to practice engineering within a defined scope of

practice as specified by the Board of Examiners. The Board finalized the details of the process for handling RPT (Eng.) applicants.

Permits to Practice

Corporations, partnerships, and other like entities that are engaged in the practice of engineering, geology, and/or geophysics are registered with APEGGA through the issuing of Permits to Practice. In 1999 there was a net decrease of 4.6 per cent in the number of active Permits versus 1998.

Report by Public Members Of the Board of Examiners

*Niha Prasad-Kroliczek, BA, CHRP
Erika Gerlock, LL.B.
Wayne Pettapiece, PhD, P.Ag.*

We are regularly reminded of the significant contributions that engineering, geology and geophysics have made and continues to make towards the advancement of our society. We entrust the professional engineer, geologist and geophysicist to apply their talents, experience, knowledge, ingenuity and integrity to a wide range of discipline activities including such things as ensuring safe drinking water, bridges that safely support their intended loads, properly configured roadways, dependable power, reliable mechanical systems, environmental protection, among others.

Society places a tremendous public trust in the professional engineer, geologist and geophysicist. We expect that they will thoroughly research and test the latest technological advances before applying them; that they will practice and claim expertise only within their capabilities; that they will not compromise their professional judgement; and that they will respect and adhere to their professional code of ethics and the bylaws of their Association.

The Public Members on the Board of Examiners are appointed by the Minister to observe the processing of applicants for professional certification. We realize the importance of assuring that candidates subscribe to the profession's code of ethics, and satisfy the technical qualifications and educational requirements for professional recognition.

Applicants for professional certification include M.I.T.s, engineers, geologists and geophysicists from other provinces, and those with foreign accreditation. Applications are reviewed by academic examiners, experience examiners, and/or the Experience Committee, and are then reviewed by the Executive Committee, which meets monthly to present and discuss each case, and to render a decision. Any appeals, along with policies and procedures are dealt with at the full Board of Examiners' meetings conducted twice each year.

We are very pleased to report that the Executive Committee and the Board of Examiners, by our observation, have conducted their business with the highest level of professionalism and integrity. The Board and the Executive Committee have always acted impartially in the review of the cases, are prepared to discuss each situation openly and honestly, and render fair decisions.

Key Statistics

MEMBERSHIP SUMMARY

	1998	1999
Life/Honorary Member	2,796	2,993
Professional Member	24,316	24,882
Licensee	174	200
Member-In-Training	3,365	3,697
ASAP*	-	604
Exam Candidate/Student	309	376
TOTAL	30,960	32,752

*APEGGA Student Advantage Program

PERMITS

	1998	1999
New Issue	171	253
Voluntary Cancellations	59	144
Reinstatements	95	17
Cancellations by APEGGA	20	14
Active Permits—End of Year	2,459 **	2,571

** This figure was incorrectly shown as 2,479 in the 1998-1999 Annual Report. The correct figure is 2,459.

MEMBERSHIP DETAIL

Life Members

	Membership as of Dec. 31, 1999	Net Change During 1999
P.Eng.	2,402	165
P.Geol.	422	27
P.Geoph.	93	3
Dual Registration	21	0
TOTAL	2,938	195

Honorary Life Members ...	37	0
Honorary Members ...	18	2

Professional Members

P.Eng.	21,638	570
P.Geol.	2,348	-17
P.Geoph.	827	8
Dual Registration	69	5
TOTAL	24,882	566

Licensees (Foreign)

P.Eng.	189	22
P.Geol.	5	2
P.Geoph.	6	2
Dual Registration	0	0
TOTAL	200	26

Members-In-Training

E.I.T.	3,455	285
Geol.I.T.	179	33
Geoph.I.T.	63	14
TOTAL	3,697	332

ASAP* 604 604

Exam Candidates 325 71

Students 51 -4

Total Membership ... 32,752 1,792

APPLICATIONS RECEIVED

For APEGGA

	1998	1999
Professional Member	1,574	1,140
Licensee	56	54
Member-In-Training	1,194	1,078
Student	15	15
Other	18	14
TOTAL	2,857	2,301

For APEYT & NAPEGG 25 24

APPLICATIONS APPROVED

By Board

	Members		MIT's		Foreign Licensees		Exam Candidates		Students		TOTAL	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
From MIT	546	525									546	525
From Exam/Student	23	28	10	3							33	31
New	842	636	1108	1071	37	41	172	161	21	19	2180	1928
TOTAL	1411	1189	1118	1074	37	41	172	161	21	19	2759	2484

By Staff/Council

Reinstatements	380	326	60	50	5						445	376
Resignations/ Cancellations	350	343	35	49	4	8					389	400
Struck/Expired	460	311	330	208	6	5					796	524
Deceased	69	80		1				1		1	69	83
Withdrawn							58	75	27	26	85	101
TOTAL	1259	1060	425	308	15	13	58	76	27	27	1784	1484

BOARD OF EXAMINERS MEMBERS

Gary Faulkner, P.Eng., PhD, Chair

Sharana Basappa, P.Eng.

David Bowman, P.Eng.

Dan Candido, P.Eng., PhD

Clarence Capjack, P.Eng., PhD

Herman Cooper, P.Geoph., PhD

Michael Collins, P.Eng., PhD

Janet Currie, P.Eng.

Philippe Erdmer, P.Geol., PhD

Don Flock, P.Eng., PhD

Erika Gerlock, LL.B., Public Member

Ed Ghent, P.Geol., PhD

Stephen Green, P.Eng.

Harry Helwerda, P.Eng.

Allen Krahn, P.Eng.

Edward Krebses, P.Geoph., PhD

Suzanne Kresta, P.Eng., PhD

Don Lawton, P.Geoph., PhD

Jeremy Leonard, P.Eng., PhD

Dave Lynch, P.Eng., PhD

Neill McQuay, P.Eng.

Anil Mehrotra, P.Eng., PhD

Ian Norris, P.Eng.

Edo Nyland, P.Geoph., PhD

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

Brent Parks, P.Eng.

Wayne Pettapiece, PhD, P.Ag., Public Member

Verne Pliitt, P.Eng.

Niha Prasad-Kroliczek, BA, CHRP, Public Member

Paul Rogers, P.Eng., PhD

Ben Rostron, P.Eng., PhD

Dave Sego, P.Eng., PhD

Nigel Shrive, P.Eng., PhD

Jim Smith, P.Eng.

Dick Stein, P.Eng., PhD

Roger Toogood, P.Eng., PhD

Ted Webb, P.Eng.

Neil Windsor, P.Eng.

Chan Wirasinghe, P.Eng., PhD

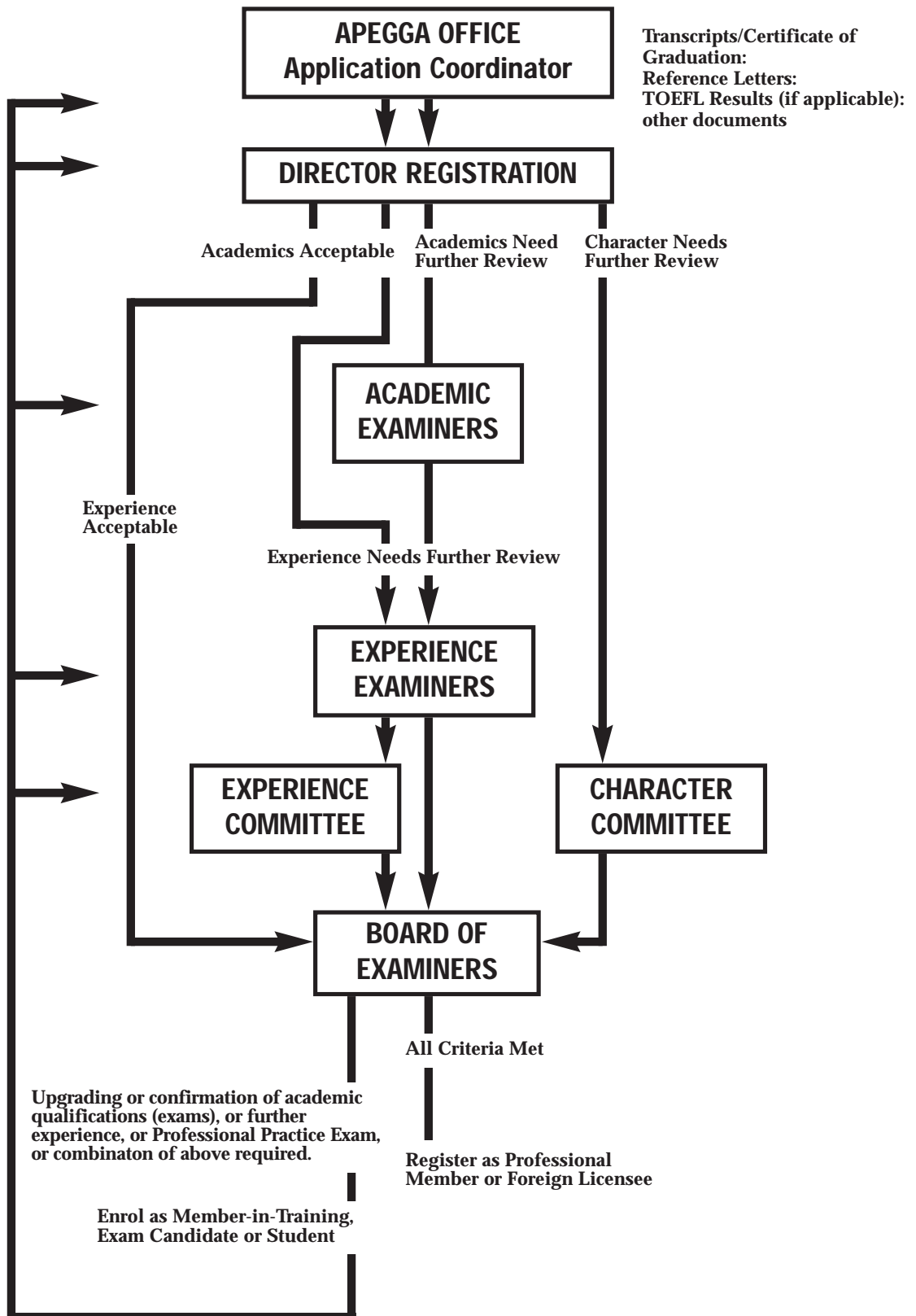
Rick Young, P.Geol. PhD

APEGGA Staff

Mark Tokarik, LL.B., P.Eng.,

Director Registration

Registration Process



Report by Public Members of Council

Stan Souch, PhD



There was a change in this reporting year in the composition of Public Members on Council. Mr. Don Hoover completed his term of appointment and was replaced by Mr. Hugh Planche.

We would like to begin by restating the observations made last year concerning the dedication of the elected members of Council and senior officers of the organization. The protection and safety of the public remains the paramount obligation of Council. Accordingly, much effort was expended to ensure that only the highest standards were maintained in the practice of the professions. The regulatory

Hugh Planche



responsibilities of APEGGA were given increased attention and the commitment and passion of members in upholding the word and spirit of legislation embodied in the Engineering, Geological and Geophysical Professions (EGGP) Act was evidenced at the national level regarding the use of the protected titles engineer and engineering.

While the Council, in our opinion, dealt effectively with current issues, the members contemplated future concerns. Strategy sessions identified the need to establish a number of task forces to investigate and report on issues of importance to the

Michael Stevens-Guille



Association now and into the next decade. Council is beginning to reap the benefits of these initiatives.

Once again, the varied and complex committee structure necessary to properly fulfil the mandate of such a large professional organization requires an abundance of capable and willing volunteers. This important and necessary aspect of APEGGA's operation continues to be sustained.

The Association by virtue of a succession of capable leadership maintains a strong financial position and is administratively well-poised to meet the challenges of the year 2000.

A P E G G A 1 9 9 9 - 2 0 0 0 C O U N C I L



Back Row: (left to right): Coun. Mike Smyth, P.Eng.; Public Member Stan Souch, PhD; Coun. Bonnie Stowkowy, P.Eng., Coun. Neil O'Donnell, P.Eng., P.Geol.; Coun. Brenda Wright, P.Geol.; and Coun. Gordon Stewart, P.Eng.

Centre Row: (left to right): Coun. Linda Van Gastel, P.Eng.; Public Member Hugh Planche; Coun. Elizabeth Cannon, P.Eng., PhD; Coun. Ken Porteous, P.Eng., PhD; Coun. Dale Miller, P.Eng.; Coun. Elaine Honsberger, P.Geoph.; Coun. Ron Tenove, P.Eng.; and Coun. Bill Roggensack, P.Eng., PhD.

Front Row: (left to right): Past President Dan Motyka, P.Eng.; First Vice-President Sue Evison, P.Eng.; President Darrel Danyluk, P.Eng.; Second Vice-President Gordon Williams, P.Geol., PhD; and APEGGA Executive Director and Registrar Neil Windsor, P.Eng. Absent: Public Member Michael Stevens-Guille.

Financial Statements Year Ended December 31, 1999

AUDITORS REPORT

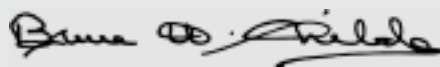
To the members of
The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

I have audited the statement of financial position of The Association of Professional Engineers, Geologists and Geophysicists of Alberta as at December 31, 1999 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, 1999 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

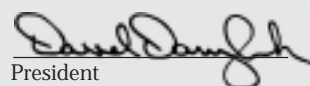
January 27, 2000

Statement of Financial Position December 31, 1999 with comparative figures for 1998

	1999	1998
ASSETS		
CURRENT ASSETS:		
Cash	\$ 837,188	\$1,000,969
Accounts receivable	475,743	417,928
Inventory of educational materials	20,541	40,255
Prepaid expenses	6,224	8,893
	<u>\$1,339,696</u>	<u>\$ 1,468,045</u>
CAPITAL ASSETS (note 1)	567,932	401,488
INVESTMENTS - at cost (market value \$3,585,359)	<u>3,632,884</u>	<u>3,533,102</u>
	<u>\$5,540,512</u>	<u>\$ 5,402,635</u>
LIABILITIES AND NET ASSETS		
CURRENT LIABILITIES		
Accounts payable and accrued liabilities	\$ 299,709	\$ 197,513
Prepaid revenue	<u>2,658,176</u>	<u>2,455,377</u>
	2,957,885	2,652,890
OBLIGATION UNDER CAPITAL LEASES (note 2)	92,088	196,339
NET ASSETS	<u>2,490,539</u>	<u>2,553,406</u>
	<u>\$ 5,540,512</u>	<u>\$ 5,402,635</u>

LEASE OBLIGATIONS AND COMMITMENT (Note 4)

Approved on behalf of the Council:



President



Executive Director

Statement of Operations
Year ended December 31, 1999
(with comparative figures for 1998)

	1999 Actual	1999 Budget <i>(Unaudited)</i>	1998 Actual
REVENUES			
Dues	\$4,130,655	\$4,340,000	\$3,857,309
Permit fees	498,072	550,700	443,581
Registration fees	228,846	235,000	258,432
Examination fees	85,447	92,500	89,294
General revenue	636,889	524,100	641,521
	<u>\$5,579,909</u>	<u>5,742,300</u>	<u>5,290,137</u>
EXPENSES			
(schedule)	\$5,642,776	5,550,611	5,241,062
EXCESS OF REVENUE OVER EXPENSES			
(expenses over revenue)	<u>\$ (62,867)</u>	<u>\$ 191,689</u>	<u>\$ 49,075</u>

STATEMENT OF CASH FLOWS
Year ended December 31, 1999
(with comparative figures for 1998)

	1999	1998
Cash flows from operations		
Cash received from members	\$ 5,096,387	\$ 5,009,653
Cash received from general revenue	628,508	641,614
Cash paid for salaries and benefits	(1,904,653)	(1,758,469)
Cash paid for materials and services	(3,495,178)	(3,189,049)
Net cash generated through operations	<u>325,064</u>	<u>703,749</u>
Cash flows used in investing activities		
Purchase of capital assets, net of related obligations	389,063	224,527
Purchase of investments	99,782	157,490
Student loan account	0	11,718
Net cash used in investing activities	<u>488,845</u>	<u>393,735</u>
Net increase (decrease) in cash	<u>(163,781)</u>	<u>310,014</u>
Cash at beginning of year	<u>1,000,969</u>	<u>690,955</u>
Cash at end of year	<u>\$ 837,188</u>	<u>\$ 1,000,969</u>

STATEMENT OF CHANGES IN NET ASSETS

Year ended December 31, 1999 (with comparative figures for 1998)

Net assets	Invested in Capital Assets	Unrestricted	1999 Total	1998 Total
Balance, beginning of year	\$ 205,149	\$ 2,348,257	\$ 2,553,406	\$ 2,504,331
Excess of revenues over expenses	(144,078)	81,211	(62,867)	49,075
Investment in capital assets	414,775	(414,775)	-	-
Balance at end of year	<u>\$ 475,846</u>	<u>\$ 2,014,693</u>	<u>\$ 2,490,539</u>	<u>\$ 2,553,406</u>

NOTES TO FINANCIAL STATEMENTS

Year ended December 31, 1999

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
Audio/Visual Equipment	20%	straight-line
Furniture and equipment	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. CAPITAL ASSETS

			1999	1998
	Cost	Accumulated Amortization	Net Book Value	Net Book Value
Audio Visual Equipment	\$ 142,956	\$ 20,712	\$ 122,244	\$ 90,426
Furniture & Equipment	218,600	110,908	107,692	81,776
Leasehold Improvements	176,004	11,778	164,226	4,155
Computer	207,369	132,760	74,609	65,915
Computer Equipment under Capital Lease	344,185	245,024	99,161	159,216
	<u>\$ 1,089,114</u>	<u>\$ 521,182</u>	<u>\$ 567,932</u>	<u>\$ 401,488</u>

2. OBLIGATIONS UNDER CAPITAL LEASES

The following is a schedule of future minimum lease payments:

	1999	1998
1999	\$ 0	\$ 102,124
2000	102,038	129,878
	102,038	232,002
Less amount representing interest	9,950	35,663
	<u>\$ 92,088</u>	<u>\$ 196,339</u>

3. PENSION PLAN

The Association maintains a defined benefit pension plan which covers its full time employees. The most recent actuarial valuation, as at January 1, 1999, indicated that the present value of accrued pension benefits was \$2,785,000. The value of pension fund assets, determined from market values, as at December 31, 1999 was \$4,574,000.

4. LEASE OBLIGATIONS AND COMMITMENT

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

2000	\$ 502,000
2001	\$ 500,000
2002	\$ 494,000
2003	\$ 441,000
2004	<u>\$ 347,000</u>
TOTAL	<u>\$ 2,284,000</u>

SUMMARY OF GROUP OPERATIONS
Year ended December 31, 1999

	1999	1999	1998
	Actual	Budget (Unaudited)	Actual
Administration	\$1,583,471	\$1,471,531	\$1,401,680
Council	421,031	333,655	307,349
CCPE	261,313	253,610	248,836
Registration and Compliance	846,951	825,422	789,858
Deputy Registrar	220,756	214,966	196,206
Special Projects	188,773	222,904	215,385
Professional Practice	180,467	220,890	240,980
Professional Development	495,382	449,475	345,035
Communications	1,444,632	1,558,158	1,495,733
	<u>\$5,642,776</u>	<u>\$5,550,611</u>	<u>\$5,241,062</u>

SCHEDULE OF EXPENSES
Year ended December 31, 1999

	1999	1999	1998
	Actual	Budget (Unaudited)	Actual
Meeting Expenses	\$ 926,881	\$ 835,674	\$ 830,999
General Expenses	981,384	962,379	940,183
Exam Administration Expenses	141,392	155,000	152,163
Printing and Stationery Expenses	395,929	378,863	271,966
Office Rent and Parking Expenses	369,541	295,511	201,329
Insurance Expenses	12,964	14,100	13,348
Salaries and Benefits Expenses	1,907,393	1,806,261	1,753,609
Personnel Administration Expenses	7,497	26,750	35,051
Office Equipment Expenses	131,106	265,906	146,358
Consultants Expenses	608,464	672,707	690,169
Depreciation and Amortization	118,367	82,460	105,887
Other Expenses	41,858	55,000	0
	<u>\$5,642,776</u>	<u>\$5,550,611</u>	<u>\$5,241,062</u>

Committee and Board Reports

INVESTIGATIVE COMMITTEE



Anast Demitt, P.Eng., Chair

Written complaints regarding the conduct of APEGGA members are directed to the Registrar who in turn forwards them to the Investigative Committee. The Staff Director contacts the complainant and the member complained against in an attempt to ascertain the facts and, if possible, to mediate the complaint. Mediation is only pursued when the allegations pertain to unprofessional conduct. Complaints involving

unskilled practice proceed immediately to investigation. If it is found that the case cannot be mediated or that it requires further review, an Investigative Panel is struck. The panel consists of three members of the Investigative Committee who perform a confidential investigation. If the Investigation Panel finds evidence to support the allegations, the Investigative Committee prosecutes the matter before the Discipline Committee. Alternatively, the member

under investigation may be offered an opportunity to accept a stipulated order which specifies an agreed statement of fact and also specifies sanctions.

The Investigative Committee had a busy year in 1999 with a total of 27 complaints registered compared to 11 complaints received in 1998. Of the 27 complaints, 11 were mediated, two were withdrawn, and 14 proceeded to investigation. Of the 14 complaints investigated, three have been dismissed with two to proceed through the discipline process via stipulated order or formal hearing; investigations on the balance are continuing. Additionally, seven investigations are on-going from complaints originating in previous years. These cases are either being held in abeyance, are awaiting formal hearing, or are before the Appeal Board.

I would like to personally thank the members of the Investigative Committee for their efforts and for the professional manner with which they conduct themselves. The many hours they volunteer to the Association reflect the commitment the members of the Investigative Committee have to the betterment of our professions.

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

Anast Demitt, P.Eng., Chair
Dale Miller, P.Eng., Past Chair
(APEGGA Councillor)
Robin Black, P.Eng., PhD
Henry Bosman, P.Eng.
Wayne Delbeke, P.Eng.
Richard Feilden, P.Eng.
Alf Hartling, P.Geol.
Matt Heysel, P.Eng.
Barbara Howes, P.Eng.
Raj Kaliandasani, P.Eng.
Paul Kavanagh, P.Geol.
Earl Lipsett, P.Geoph.
Graham Lock, P.Eng.
Gary Maxwell, P.Eng.

Nina Novak, P.Eng., P.Biol.
Paul Preville, P.Eng.
Lazlo Retfalvi, P.Eng.,
Mike Smyth, P.Eng. (APEGGA Councillor)
Wes Snihur, P.Eng.
Brian Somerville, P.Eng.
Mike Strong, P.Eng.
Nigula Suthaker, P.Eng., PhD

Joseph North, PhD, - Public Member

Barry Massing, LL.B - Legal Counsel

APEGGA Staff:
Stewart McIntosh, P.Eng,
Director, Special Projects

DISCIPLINE COMMITTEE



Bruce Alexander, P.Eng., Chair

The Discipline Committee was established under the Engineering, Geological and Geophysical Professions Act to hear and decide matters of unprofessional conduct and unskilled practice. Such cases are handled in one of two ways — either through a discipline hearing or by means of a “stipulated order”.

In a discipline hearing, a panel of at least three members of the Discipline Committee hears both sides of the case, that of the Investigative Committee which has brought the case before the Discipline Committee, and that of the member under investigation in response to the allegations. The panel makes its decision based on the evidence presented at the hear-

ing. If the decision results in findings against the member, the panel will also decide on any appropriate orders or penalties after having considered submissions from both parties.

Stipulated orders provide for 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, and the committee will then bring its recommendations before the Discipline Committee. The Discipline Committee case manager reviews the recommended order and makes the final decision which has the same force and effect as a decision made by the Discipline Committee after a formal hearing.

Nineteen-ninety-nine turned out to be a relatively quiet year. Only two cases were brought before the

DISCIPLINE COMMITTEE ACTIVITY

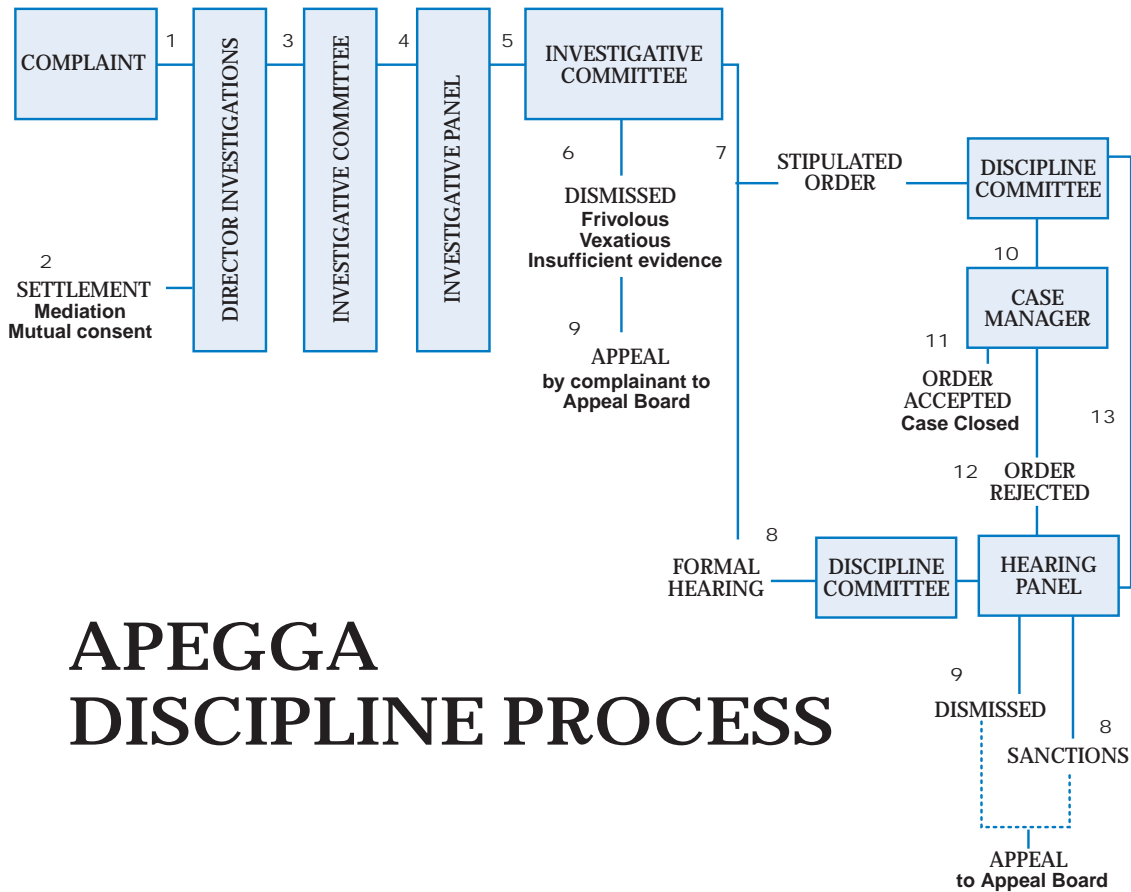
	1999	1998	1997
Formal Hearings	0	6	2
Stipulated Orders	2	2	6

committee, both of which were handled as stipulated orders. As has been past practice, the Discipline Committee met jointly with the

Investigative Committee and the Appeal Board, providing a forum to gain a common understanding of the issues which affect all three groups.

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

- Bruce Alexander, P.Eng. - Chair
 - Larry Staples, P.Eng. -Past Chair
 - Mike Berezowski, P.Eng.
 - Elizabeth Cannon, P.Eng., PhD (APEGGA Councillor)
 - Eugene Collins, P.Eng.
 - Michael Day, P.Geol.
 - Gerry DeSorcy, P.Eng.
 - Allin Folinsbee, P.Geoph., PhD
 - Bill Hibbard, P.Eng.
 - Rick Ismai, P.Eng.
 - Bob Ross, P.Eng.
 - David Woodall, P.Eng.
 - Neil Colvin, Public Member
 - Dwayne Chomyn, LL.B. - Legal Counsel
- APEGGA Staff:*
 Ray Chopiuk, P.Eng.,
 Director, Professional Practice



APEGGA DISCIPLINE PROCESS

Judy Newbert, P.Eng., Chair



Under the Engineering, Geological and Geophysical Professions Act, an Appeal Board is mandated to provide an internal means of obtaining a review of decisions made by other statutory boards and committees. The Appeal Board ensures that the public and APEGGA members have available an accessible and fair right to challenge decisions made by the Investigative Committee, the Discipline Committee, the Practice Review Board and the Board of Examiners. The Appeal Board is made up of representatives from all three APEGGA professions and a member of the public. Appeals heard by the Appeal Board are normally open to the public.

During the year, the board heard appeals from two complainants who disagreed with the decision of the Investigative Committee to terminate their investigation of a complaint about members' conduct. In both cases, it was the decision of the Appeal Board to overturn the committee's decision and refer the matter to the Discipline Committee for a formal review of the members' conduct. An additional appeal of a complaint's dismissal by the Investigative Committee was on hand at year-end, but has been subsequently withdrawn. In addition, an appeal by a former member of APEGGA of the decision of the Discipline Committee to sanction him and cancel his registration was withdrawn shortly before the hearing.

An unusual appeal heard this year was one in which the Investigative Committee appealed the decision and orders of the Discipline Committee. The Investigative Committee's appeal was upheld and the orders and sanctions accordingly were altered.

In addition to holding the required hearings, the board maintains liaison with the Investigative and Discipline Committees, works on improving its approach to its responsibilities and trains new volunteers who have been added to the board.

Each board member has contributed significantly to the effort of the group in fulfilling its mandate. In particular I would like to recognize the work of past chair, Dave Irving, P.Eng., for his consistent guidance and contribution to the board in encouraging it to conduct itself in a thorough, deliberate, and fair way at all times. Our public member, George Jones, P.Ag., has taken an active interest in the board's work and frequently provides excellent public perspective on cases under review. We have been well served by our legal counsel, Paul Sharek, QC, assisted on occasion by his colleague, Blair Maxton.

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

Judy Newbert, P.Eng., Chair
 Vic Benz, P.Eng.
 Al Blackie, P.Geol.
 Bob Comer, P.Geoph.
 Dave Geake, P.Eng.
 Robert Savage, P.Eng.
 Jim Seale, P.Eng.
 Gordon Stewart, P.Eng.
 (APEGGA Councillor)

Kevin Walker, P.Eng.
 Allan Yamashita, P.Eng.
 George Jones, P.Ag., — Public Member

 Paul Sharek, Q.C., LL.B.
 Legal Counsel
APEGGA Staff:
 Al Schuld, P.Eng., Deputy Registrar and
 Director, Administration

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

The major objective of the Investigative Committee is to receive and investigate written and signed complaints respecting allegations against members of the Association. APEGGA's Discipline Committee's objective is to adjudicate allegations on unskilled practice or unprofessional conduct against members of APEGGA, and thereby maintain levels of competence and ethics in the practice of the professions of engineer-

ing, geology and geophysics. The purpose of the Appeal Board is to provide Association members and the public full protection of the statutory right of appeal and right to natural justice, in accordance with the Engineering, Geological and Geophysical Professions Act, through review of decisions and actions by the Discipline Committee, Practice Review Board, Investigative Committee or Board of Examiners.

The above three groups continue to address, in a systematic fashion, the various complaints submitted to the Association. The three groups hold one joint meeting annually in order to discuss topics of common interest, e.g., new Code of Ethics. Membership on the three groups undergoes a gradual change each year with some members leaving and they, in turn, are replaced by new members with unique experiences and perspectives.

In summary, complaints forwarded to the three groups appear to be addressed in a thorough and professional manner.

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

Neil Colvin, Discipline Committee
 George Jones, MBA, P.Ag., Appeal Board
 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 the staff to recommend amendments to the Engineering, Geological and Geophysical Professions Act (EGGP), Regulations and Bylaws; and to ensure that 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 governing documents of the Association 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 the professions, occupations and activities, it is the committee's responsibility to review and to make recommendations to the Council when requested, relative to any new or amending legislation in order to ensure compatibility with the EGGP Act and Regulations.

During 1999, the Association was able to conclude amendments to the Act, Regulation and Bylaws that encompassed two major initiatives.

The needed amendments to enable the official recognition of Registered Professional Technologists (Engineering) in collaboration with the Alberta Society of Engineering Technologists were presented to, and approved by, the membership at the 1999 Annual General Meeting after review by the ARB and the Council. Concurrently, the initiative of the Government of the Province of Alberta under regulatory reform to update the General Regulation in plainer, gender-neutral language was achieved. A number of prior years' initiatives to amend the legislation were included in the 1999 version of the Act, Regulations and Bylaws.

I would like to acknowledge and thank the dedicated committee members, the Association solicitor and the APEGGA staff for their contribution to the work of this committee in keeping our legislation and Association Bylaws as up to date as possible.



COMMITTEE MEMBERS

Gordon Stewart, P.Eng., Chair
(APEGGA Councillor)

Don Bellow, P.Eng., PhD

Dave Chalcraft, P.Eng.

Hans de Boer, P.Geoph., PhD

Al Kiernan, P.Eng.

Dave Rumbold, P.Eng.

Laurie Slezak, P.Geol.

Barry Massing, LL.B. - Legal Counsel

APEGGA Staff:

Al Schuld, P.Eng., Deputy Registrar & Director, Administration

ANNUAL GENERAL CONFERENCE COMMITTEE

Neil Windsor, P.Eng., Chair

With the move to a conference format encompassing the Association's Annual General Meeting and Annual General Meeting Luncheon, the APEGGA Summit Awards® gala and the Professional Development

Program, a need arose to coordinate the planning and management of all the activities of the conference. The committee's terms of reference were approved by Council in September 1999 and the committee managed

the events of the year 2000 Annual General Conference. Approval of the development of the conference program and conference theme and promotion of attendance at all components of the Annual General Conference were amongst the activities of the committee. The conference theme chosen for the 2000 conference was "Building Our Professions". The committee coordinated its activities with the Summit Awards Planning Committee which promotes and plans the APEGGA Summit Awards event.



COMMITTEE MEMBERS

Neil Windsor, P.Eng., Chair — APEGGA
Executive Director and Registrar

Terri-Jane Chernesky, APEGGA
Executive Assistant

Chrys. Dmytruk, P.Eng.,
APEGGA, Director,

Communications & Public Affairs

Darrel Danyluk, P.Eng.,

APEGGA President

Bonnie Danyluk

Bruce Pettie, P.Eng., Chair,
Summit Awards Planning Committee

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

Kimberly Nishikaze,
APEGGA Manager Public Relations

COMMUNICATIONS PLANNING COMMITTEE

Dennis Langen, P.Eng., Chair

The Communications Planning Committee (CPC) advises and assists the Executive Director (or designate) in planning and implementing APEGGA's communications strategy. This function involves both internal communications with members as well as external communications with groups such as the business community, other professional associations, the public, and governments.

Over the past year, the CPC participated in the planning and selection of APEGGA's latest advertising campaign aimed at enhancing awareness with regard to the value of the professional designations P.Eng., P.Geol., and P.Geoph.; stressing the contributions geologists, engineers and geophysicists make to Alberta's economy and way of life; and emphasizing professional registration with APEGGA. A subcommittee and CPC developed recommendations for enhancing *The PEGG* and

these are being considered as a gradual re-design of *The PEGG* is being implemented.

Most recently, the CPC has struck three subcommittees: External Communications; Internal Communications, and Communication Plan. The External and Internal Communication subcommittees have been tasked with evaluating existing communications products and activities, identifying areas that should be in a new communication plan. Their findings will then be incorporated into a new communications plan. This will be developed incorporating the directions identified in the APEGGA Business Plan, the findings of the two committees and requirements of the various APEGGA departments.

I would like to take this opportunity to thank all of the committee members and APEGGA staff for the commitment, input, and effort that each has provided to the committee over the past year.

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

Dennis Langen, P.Eng., Chair
 Nick Malychuk, P.Eng., Past Chair
 Jennifer Byrnes, E.I.T.
 Christopher Dutcher, P.Eng.
 Jim Gilliland, P.Eng.
 Paula Harding, P.Eng.
 Hartley Harris, P.Eng.
 Lyle Hobbs, P.Eng.

Brent Jorowski, P.Eng.
 Michael Martens, E.I.T.
 Jane Ryder, P.Eng.

APEGGA Staff:

Chrys. Dmytruk, P.Eng., Director,
 Communications & Public Affairs
 Kimberly Nishikaze, Manager,
 Public Relations

EDMONTON DISTRICT COMMITTEE

Frank Au-Yeung, P.Eng., Chair

The primary objective of the Edmonton District Committee is to plan and implement functions that will facilitate and enhance communication among our Edmonton members, and between our members and Council on matters complementary to the purpose and goals of APEGGA.

The functions that were planned and facilitated by the committee included eight well-attended District luncheon meetings with quality presentations by high-calibre guest

speakers, a Publicity Agent Appreciation Luncheon and an Information Forum on Y2K issues.

The selected topic areas of our luncheon presentations are intended to be as broad as possible, yet still be of relevance and interest to the Edmonton membership. The topic areas include technology implementation, capital expansion and infrastructure projects; overseas project experience; and the oil and gas, chemical manufacturing, steel manufacturing and fabrication industries.

Again this year we organized one of our luncheon meetings to be followed by a plant tour. The February meeting was held jointly with the Canadian Society for Engineering Management.

Without the contributions and efforts of our committee members, the great support and guidance of our APEGGA staff and the help of our publicity agents, our committee would not be able to reach the Edmonton membership efficiently or provide the kind of excellent topics, high quality guest speakers and services at our functions. Special thanks go to Shirley Layne, whose organizational skills and support allowed the committee to run and carry out all of our meetings and functions smoothly.

On behalf of the Edmonton District Committee, I would like to express my sincere appreciation to all of our committee members, APEGGA staff and publicity agents for making it another successful year.

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

Frank Au-Yeung, P.Eng., Chair
 Dave Rumbold, P.Eng., Past Chair
 Dave Damer, P.Eng.
 Peter Doell, P.Eng.
 Shiraz Kanji, P.Eng.
 Walter Lacika, P.Eng.
 Scott Loptson, E.I.T.

Richard McAlary, P.Eng.

APEGGA Staff:

Len Shrimpton, P.Eng., Director,
 Professional Development
 Shirley Layne, Special Events
 Coordinator

Warren Kmicik, P. Eng., Chair



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

The ongoing goals of the ERC 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 ERC continued its efforts in the pressure vessel industry regarding the stamping or sealing by professional engineers of pressure vessel designs, which is currently not required under ASME Code Sec VIII Div.1. Recommendations, which included exemptions, were developed in conjunction with the Alberta Pressure Vessel Manufacturers' Association (APVMA) and endorsed by

APEGGA's Council. These recommendations were presented to and rejected by the Boiler and Pressure Vessel Technical Council (BPVTC). The ERC will be giving the BPVTC's position due consideration.

The initiative with constituent provincial associations to pursue registration of out-of-province members now resident in Alberta was successful and will be continued as an ongoing staff project.

As a result of Telus extending its arrangement with APEGGA to include the total province, all yellow page phone books are now reviewed. Listings in violation are contacted and given the opportunity to either relocate their listing, or, if qualified, to register. The listings are removed by Telus at the publication deadline upon request of APEGGA if compliance is not received.

The ERC, in conjunction with the Communications Planning Committee, developed a focused

proactive awareness plan aimed at both title and practice violations in the computer industry. The major targets are the educational institutions offering unaccredited engineering programs, such as the Microsoft Certified Systems Engineer (MCSE) program, as well as students/graduates of these programs in violation of the reserved title. Council approved expenditures in the year 2000 to initiate proactive advertising and compliance activities.

During 1999, a total of 365 compliance cases were resolved, resulting in 73 individuals ceasing to use a violating title, 53 individuals applying for personal registration, 58 Permits issued, six "forced" corporate name changes through the Business Corporations Act, and 15 voluntary corporate name changes. Eleven charges of unlawful representation were laid against one individual, resulting in fines totalling \$5,500 or six months in jail. These offences contravened Section 3(b)(ii) of the EGGP Act, as the individual was holding out to be a registered APEGGA member, when not so entitled.

On behalf of the ERC, I again thank the Calgary Police Service Commercial Crime Unit for pursuing our cases in the face of budget cuts and heavy case-loads. I also acknowledge and thank the committee members and APEGGA staff for their hard work and many contributions.

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

- Warren Kmicik, P.Eng., Chair
- Darcie Greggs, P.Geol., Past Chair
- Leigh Ellestad, P.Eng.
- Emad El-Zein, P.Eng.
- Richard Enns, P.Eng.
- Vince Heron, P.Eng.
- Ronald Hinds, P.Geoph., PhD
- Rich Isaac, P. Eng.
- Jim Letourneau, P.Geol.
- Leon Mah, P.Eng.

- Bradley Mersereau, P.Eng.
- Neil Myers, P.Eng.

Legal Counsel: Barry Massing, LL.B.

APEGGA Staff:

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



Senior APEGGA staff made a number of presentations about the Association at various locations where members work. Photo shows session held with military engineers at the Edmonton Garrison.

Albert van Roodselaar, P.Eng., PhD, Chair



The primary purpose of the Environment Committee is to identify current and developing issues for APEGGA. The Environment Committee is composed of individuals active in the various aspects of environmental practice. It reports to the Executive significant issues, how these may affect APEGGA and its members, and recommends how APEGGA might respond. It further pursues initiatives such as education of APEGGA members about environmental concerns, links with other professions, and works with APEGGA's other committees to ensure

that APEGGA is able to respond proactively to pertinent environmental concerns.

Last year, the committee identified the issue of climate change/global warming as being of major importance to APEGGA and its members. Council asked the Environment Committee to prepare a *Draft Action Plan on Climate Change* for its review. At its April, 1999 meeting, Council adopted the proposed plan. Primary components of the plan include an APEGGA *Position Statement on Climate Change*, recommendation for a series of articles in *The PEGG*, dedication of a section of the APEGGA Web site to environmen-

tal/climate change information, hosting of a members discussion group on the Web site, creation of a Summit Award for environmental recognition, pursuing an environmental achievement competition with Alberta universities and promoting environmental research. Individual members of the committee have committed to work on the various components of the plan.

The committee agreed to make a presentation at the "Energy and Environment" conference being sponsored by the Canadian Bar Association as part of its Environmental Law Program. The committee reviewed the current status of the Canadian Council for Human Resources in the Environment Industry (CCHREI) initiative and reported to Council. It commented on a draft *Cumulative Effects Assessment* guidance document under preparation by Alberta Environment, and had representatives participate in a Federal-Provincial Harmonization Workshop and in the City of Edmonton Environmental Strategic Plan.

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

- Albert van Roodselaar, P.Eng., PhD, Chair
- Patricia Armitage, P.Eng.
- Elisabeth Dupuis, P.Eng.
- Pierangelo Grande, P.Geol.
- George Hegmann, P.Eng.
- Richard Kolada, P.Eng., PhD.
- Joe Kostler, P.Eng.
- Will Ratliffe, P.Geol.
- David Reid, P.Biol.

- Al Schulz, P.Eng.
- David Simpson, P.Eng.
- David Spink, P.Eng.
- Mike Styczen, P.Eng.

APEGGA Staff:

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

Members of the Communications Planning Committee were among the first to use a meeting room which forms part of the APEGGA D.A. Lindberg Conference Centre. The centre opened in November in the Association's head office in Edmonton.



HONOURS AND AWARDS COMMITTEE

Ashok Sehgal, P.Eng., Chair

The Honours and Awards Committee's primary purpose is to assist the Association's program to enhance professional pride and the stature of the professions by recognizing the accomplishments of professional members, corporate members and non-members. These achievements are recognized at the annual APEGGA Summit Awards® Gala and Excellence in Education events. The committee's task involves

advertising and obtaining nominations for various awards and recommending the recipients for consideration by Council.

The Honours and Awards Committee proposed the creation of an APEGGA Excellence in Education Award. The creation of this new Summit Award was approved by Council in June of 1999. Work was in progress to develop the terms of ref-

erence for a new Summit Award in the environmental area. Numerous other associations submit requests to APEGGA to propose candidates for their award. The committee has initiated a review with the aim of establishing a process to deal with such requests. As in the past, the committee recommended to APEGGA Council candidates for the Canadian Council of Professional Engineers (CCPE) awards.

On behalf of the committee, I thank all of those who contributed to the nominations process, and I encourage all APEGGA members to consider submitting names of worthy candidates for consideration for the APEGGA Summit Awards.



COMMITTEE MEMBERS

Ashok Sehgal, P.Eng., Chair
 Steve Fedyna, P.Eng., Past Chair
 Peter Cain, P.Eng.
 Tom Collins, P.Geoph.
 Mary Cowling, P.Eng.
 Ron Lawson, P.Eng.
 Harry Moore, P.Eng.

Dean Mullin, P.Eng.
 Maria Sporea, P.Eng.
 Hans Wiesner, P.Eng.

APEGGA Staff:
 Chrys. Dmytruk, P.Eng., Director,
 Communications & Public Affairs

JOINT BOARD OF PRACTICE

Chris Wade, P.Eng., Chair

The Joint Board of Practice's role is to liaise between APEGGA and the Alberta Association of Architects (AAA) to address issues of mutual concern for the two Associations or matters of public interest which fall outside the areas of single seals and joint firms.

The major focus of the Joint Board

over the last three years has been to develop a joint "Recommended Conditions of Engagement and Schedule of Professional Fees for Building Projects" that would be used by both Associations. The guideline was published in 1998 and has received wide distribution.

In April 1999, Alberta Public

Works, Supply and Services announced an agreement in principle to the document. Subsequently, in December 1999, agreement was reached by the Joint Board of Practice and Alberta Infrastructure on a general contractual framework for use of the guideline on Alberta Infrastructure-funded building projects.

Issues currently before the Board are:

- ◆ Practical and professional considerations in the area of "Design-Build".
- ◆ National Building Code Update Review.
- ◆ Obligations of Professional Engineers and Architects with regard to Letters of Commitment and Compliance required by the Alberta Building Code.



BOARD MEMBERS

APEGGA Members:
 Chris Wade, P.Eng., Co-Chair
 Ken Maskel, P.Eng.
 Nick Trovato, P.Eng.
 John Williams, P.Eng.

APEGGA Staff:
 Stewart McIntosh, P.Eng.,
 Director, Special Projects

AAA Members:
 John Rockliff, MAAA, Co-chair
 James Dykes, MAAA
 David Roth, MAAA
 Gordon Thorkelson, MAAA

AAA Staff:
 Nurjehan Jamal, Registrar

PRACTICE REVIEW BOARD

John Nicoll, 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 professions. 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, the board has been conducting an inquiry into the stamping practices of Permit holders and professional members. Through its proactive practice review program, the board became aware that professional stamps were not being applied to professional documents in a consistent manner. The board's conclusions and recommendations on the matter are being provided to Council for its consideration.

In the second area, the board has substantially completed its second set of proactive reviews of the specific practices of 30 Permit holders in 1999, following a similar number in 1998. These reviews are in addition to those conducted on referral as a result of discipline matters. Based on those initial reviews, one follow-up review was requested, and one case was referred to the Investigative Committee for further investigation. That case resulted in the Investigative Committee making recommendations as to the manner in which QIs (quality inspections) of seismic data should be handled. Otherwise, the board saw no need for further investigation of any of the Permit holders' practices and has concluded that those practices are being conducted in accordance with accepted standards for the professions. As a continuation of the program, the board intends to conduct 50 proactive practice reviews in 2000.

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

John Nicoll, P.Eng., Chair
Allan Doell, P.Eng., Past Chair
Frank Brooks, P.Eng.
Doug Cox, P.Eng.
Hans den Boer, P.Geol., P.Geoph., PhD
Wenona Irving, P.Eng.
Ted Lord, P.Eng.
John McInerney, P.Eng.
Valerie Nielsen, P.Geoph.
Harvey Olsen, P.Eng.

David Pollock, P.Geol.
Bill Roggensack, P.Eng., PhD
(APEGGA Councillor)
Tanya Schulz, P.Eng.
Paul Shewchuk, P.Eng.
Heather Andrews PhD, Public Member
APEGGA Staff:
Ray Chopiuk, P.Eng., Director,
Professional Practice

PROFESSIONAL DEVELOPMENT COMMITTEE

Dick Walters, P.Eng., Chair

The Professional Development Committee (PDC) is involved in the promotion of professional development activities for Members-in-Training (M.I.T.s) and professional members. The PDC acts as a resource for members and provides assistance with the Continuing Professional Development program. The CPD program is a key component of ensuring the continued competence, excellence, and quality of service the public expects of members of the Association. The PDC monitors the responses received from the members on their CPD report forms. It provides one-on-one assistance to mem-

bers to help them achieve compliance with the program. The PDC advises on the annual *Value of Professional Services* salary survey, an important document produced by APEGGA's staff.

Over the past year, the committee has continued to put a large effort into responding to member inquiries. In particular, administrative positions were developed on overseas work, part-time employment, maternity/full time school/special considerations, academics and community involvement. An outline for internal review procedures was completed and is being implemented in order that we may review the compliance of mem-

bers with the CPD program. The committee is looking at ways to encourage employers to support professional development. A number of suggestions have been put forward and a strategy is being developed.

A professional development guideline for M.I.T.s has been completed to assist them in meeting the Board of Examiners requirements. A guideline on mentoring for members and M.I.T.s has been completed and mentoring seminars for M.I.T.s have been planned. A survey was completed that indicated that APEGGA should be more involved in the delivery of communications and management skills training. Council has approved the implementation of seminars in the fall of 2000.

Successful PD days were held in Edmonton and Calgary in November with additional PD programs planned to coincide with the Annual General Conference in April.

The committee work could not function without the assistance of the competent staff during 1999: Mischelle van Thiel, Flo Primeau and Rachel Kowbel.

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

Dick Walters, P.Eng., Chair
Jon Greggs, P.Geol., Past Chair
Stan Campkin, P.Geol.
Robert Denzel, P.Eng.
Paul Elliott, P.Eng.
Tom Greenwood-Madsen, P.Eng.
Leah Lawrence, P.Eng.

Boyd Russell, P.Eng.
Cameron Sterling, P.Eng.
Jamie Suddaby, E.I.T.
Ted Wong, P.Geoph.

APEGGA Staff:
Len Shrimpton, P.Eng., Director,
Professional Development

PRACTICE STANDARDS COMMITTEE

David A. Watt, P.Eng., Chair

The Practice Standards Committee (PSC) is a vehicle to develop and disseminate information that will “enhance the quality and value of professional services in all areas of professional practice”.

The PSC’s principal activities include developing and publishing guidelines in all areas of professional practice, dealing with issues such as establishing a scope of services and

promoting appropriate remuneration. Other activities include informing the public of PSC’s objectives through speaking engagements, seminars and PEGG articles. Establishing appropriate communications links for members appointed to public boards and organizations whose function is to improve standards and safety of works is a further area of PSC activity.

The PSC is reviewing and/or developing several guidelines including the revisions to the *Code of Ethics*, which has received Council endorsement; the *Engineering Services for Building Projects Guideline*, which is nearing completion; and the *Expert Witness Guideline*, which will assist members in understanding their role when acting as witnesses in judicial or quasi-judicial hearings. Revisions to the *Stamping Guideline* are being considered to include the use of electronic seals and signatures and the appropriate practices required to assure their security. Other topics of current consideration include federal implications on professional practice, value of engineering, engineering “standard design” practice, wood trusses, and generic engineered details for residential tall walls.



COMMITTEE MEMBERS

David A. Watt, P.Eng., Chair
 Curtis Feeg, P. Eng., Past Chair
 Roger Capus, P.Eng.
 Gerry Carson, P.Eng.
 Tim Cartmell, P.Eng.
 Mike Charko, P.Eng.
 Gloria Gerber, P.Eng.
 Jim Henderson, P.Geoph.
 Ron Kozak, P.Eng.

Rick Prentice, P.Eng., Consulting
 Engineers of Alberta Representative
 Andrew Reif, P.Eng.
 Grant Smith, P.Geol.
 Clayton Tiedemann, P.Eng.
 Charlie Weir, P.Eng.
 APEGGA Staff:
 Ray Chopiuk, P.Eng., Director,
 Professional Practice

STAFF BENEFITS COMMITTEE

Donald G. Bellow, P.Eng., PhD, FCAE, Chair

The Staff Benefits Committee reports to Council and is charged with overseeing the pension plan and other employee benefit programs on behalf of APEGGA’s staff. The committee has traditionally been chaired by a Past President of the Association

and it meets two or three times per year, or more often as required. The committee has been empowered by Council to make administrative changes to the Pension Plan as determined by provincial and federal regulatory authorities. It also reviews the

performance of the pension funds currently administered by Canada Life and reviews on an annual basis the pension contributions of both the staff and APEGGA to ensure that the fund meets its liabilities as required by statute. Every two or three years, the committee commissions an actuarial review by an outside consultant. Periodic reviews are also conducted on the other employee benefit programs to ensure that they are consistent with industry norms.



COMMITTEE MEMBERS

Donald G. Bellow, P.Eng.,
 PhD, FCAE, Chair
 J. Ronald Hierlihy, P.Eng.
 John Van der Put, P.Eng.

Linda McNeil, Consultant,
 The Corporate Library
 APEGGA Staff:
 Al Schuld, P.Eng.,
 Staff Representative

SUMMIT AWARDS PLANNING COMMITTEE

Bruce S. Pettie, P.Eng., Chair

The purpose of the Summit Awards Planning Committee is to plan and promote the annual Summit Awards® Gala and the AGM Luncheon. The Summit Awards evening is APEGGA's major event of the year where our members formally recognize the accomplishments of

APEGGA members and their contributions to society. The Summit Awards Gala includes a dinner, the presentation of awards, and entertainment.

The Summit Awards Gala is the highlight of the Annual General Conference which also includes two days of professional development seminars, a social evening, the Annual General Meeting and Summit Awards® AGM Luncheon. The Summit Awards Gala in April 1999 was held at the Telus Convention Centre in Calgary and used the theme of "Mission Possible" complementing the AGM's overall theme of "Thinking Ahead". The evening was highly suc-

cessful and well received from those who attended. The Kit Kat Club, Dave Babcock and His Orchestra and "Dance with France Jr.", provided entertainment. A professional MC provided excellent transition through the award presentations and entertainment.

The committee has worked on plans for the 2000 Summit Awards gala, scheduled for the Shaw Conference Centre in Edmonton April 27. The combined theme for the Summit Awards Gala and the Annual General Conference is "Building Our Professions". The theme strives to demonstrate the combined strength of the members of APEGGA and their accomplishments in helping to build the world we live in today and tomorrow.

The committee would like to thank the following staff members for their contributions: Terri-Jane Chernesky; Chrys. Dmytruk, P.Eng.; Barb Robinson; and Kimberly Nishikaze.

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

Bruce S. Pettie, P.Eng., Chair
 Dave Rumbold, P.Eng.
 Marcella deJong, P.Eng.
 Terri Steeves, P.Eng.
 Glenna Jones, P.Eng.

APEGGA Staff:
 Chrys Dmytruk, P.Eng., Director,
 Communications & Public Affairs
 Terri-Jane Chernesky,
 Executive Assistant.
 Kimberly Nishikaze, Manager,
 Public Relations
 Barb Robinson,
 Senior Events Coordinator

UNIVERSITY OF ALBERTA STUDENT LIAISON COMMITTEE

Larry Kelly, P.Eng., Chair

The goals of the 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. Monthly meetings are held at the university. Current activities include technical society and student mixers, which continue to be well attended, and funding for various student activities. The student "Get Hired" Workshops have been cancelled due to lack of demand.

The APEGGA Student Advantage Program (ASAP) was implemented this year at the U of A and the University of Calgary. Membership is offered at no charge to second, third and fourth-year students enrolled in engineering, geology or geophysics. It offers benefits to student members that were only available to professional members including the résumé referral service; student business

cards; preferred rates for car, home, life, and other forms of insurance; and the group RRSP plan. Student members will also receive *The PEGG* and there is a student Web page set up on the APEGGA Web site. The APEGGA Student Advantage Program is promoted at every student function and participation continues to grow.

In addition to the regular fourth-year course for engineers, the committee has worked together with the Earth and Atmospheric Sciences Department to offer, for the first time, a fourth-year course for the geoscience students on APEGGA, ethics and professionalism.

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

Larry Kelly, P.Eng., Chair
 Dave Robinson, P.Eng.
 Rob Nespliak, P.Eng.
 Steven Page, P.Eng.
 Ken Porteous, P.Eng., PhD
 Joel Regenstreif, P. Eng.
 Ben Rostron, P.Eng., PhD
 Pamela Strand, P.Geol.
 Lisa White, E.I.T.

Engineering Students Society:
 Andy Prochazka, President
 Heather Relitz, VP External

U of A Undergraduate Geophysics Society:

Neil Ethier, President
 Sean Chapman, Vice-President

PS Warren Geological Society:

Cameron McLean, President
 Natalie Sirman, VP External
 Louise Wayman, VP External

APEGGA Staff:

Len Shrimpton, P. Eng., Director,
 Professional Development
 Flo Paterson, Professional Development
 Assistant

Steve Giacomini, P.Eng. Chair

The goals of the Student Liaison Committee are to familiarize students with APEGGA, provide them with greater insight into the roles and responsibilities of the Association, create opportunities for students to interact with professional members, and to support and encourage various student initiatives.

This year was an exciting time for all of us on the committee. In October,

APEGGA launched the new APEGGA Student Advantage Program (ASAP) which provides free Association memberships for students in second, third and fourth year engineering or geoscience. By becoming student members, students have an opportunity to learn more about the Association and to take advantage of the many services and benefits currently enjoyed by our professional members. The program

was officially launched on campus at the Fall Mixer which was attended by over 200 students, 80 professionals and representatives of 13 technical societies. Registration continues to grow and we encourage students to "Get with the program - ASAP!"



For the second year in a row, APEGGA facilitated an informal evening workshop on the Practice of the Geoscience Professions. The event was well attended and geoscience students had an opportunity to learn more about the Association from a professional member and APEGGA staff. We also continued with our ethics seminar in first and fourth year engineering.

Additionally, financial support was provided for the 30th Annual First & Second Year Engineering Student Dinner, the Western Inter-University Geological Conference, the Fall Students/Professional Members Mixer, the Engineering Grad Dinner, the Geoscience Senior Field Trip, and many other student events.

I would like to thank the committee members, students, and APEGGA staff for their time and enthusiasm over the past year.

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

Steve Giacomini, P.Eng., Chair

Geri De La Mare, P.Eng.

Nicole Dyok, E.I.T.

Denise Hodder, Geol.I.T.

Tim Lloyd, P.Geol.

Monique Schluff-Soboren, P.Eng.

Don Towson, P.Eng., PhD

U of C Faculty Members:

Larry Lines, P.Geoph., PhD

Department of Geology and Geophysics

Peggy Simons, P.Eng.

Faculty of Engineering

Engineering Student Society:

Stephen Jacobson, President

Gordon Baux, VP Academic

Rundle Group:

Mike Thomlinson, President

Thomas Currie

Ryan Mitton

Geophysics Undergraduate Student Society:

David Minken, President

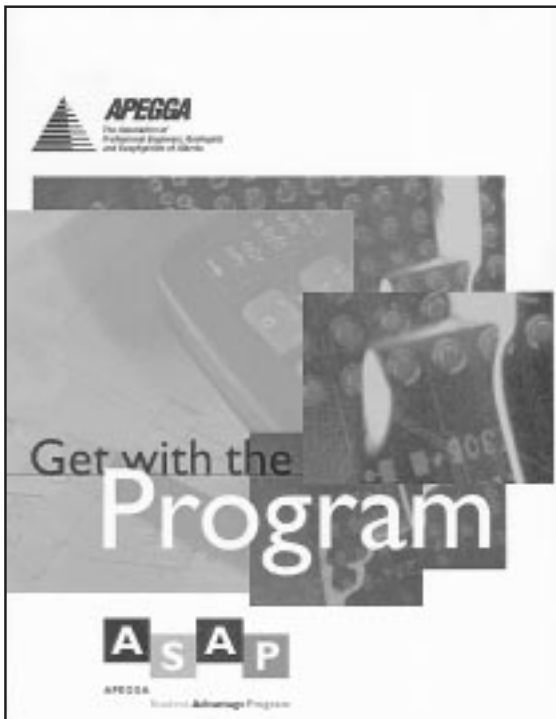
Mike Carmduff, Vice-President

Joanie Whittemore, Treasurer

APEGGA Staff:

Mischelle vanThiel, BA, MBA

Professional Development Coordinator



This graphic formed part of the material promoting the APEGGA Student Advantage Program (ASAP) which was launched this past year. Aimed at university students in second, third and fourth year engineering, geology and geophysics, the program entitles those who enrol to participate in a number of APEGGA member services, including access to endorsed insurance programs.

Other Committees & Organizations

Listed below are other committees and task forces that were active during the 1999-2000 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 9 of the Regulations pursuant to the Engineering, Geological and Geophysical Professions Act of Alberta.

David Browne, P.Eng., Chair

APEGGA Members:
 Case Allison, P.Eng.
 Omar Elzein, P.Eng., PhD
 Duane Leschert, P.Eng.
 Jim Doohan, P.Eng.

APEGGA Staff Representative:
 Mark Tokarik, LL.B., P.Eng.,
 Director, Registration

ASET Members:
 Perry Nelson, R.E.T.
 Shawn Bishop, R.E.T.
 Allan Kathrens, R.E.T.
 Kenneth Jones, R.E.T.
 Ashis Ray, R.E.T.

ASET Staff Representative:
 Allan Lowe, C.E.T.
 Registrar ASET

APEGGA/ASET JOINT APPEAL BOARD

Advises and assists the Executive Director (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.

Barrie Touchings, LL.B., Chair
 Glen Monson, R.E.T.
 Milt Ozubko, P.Eng.
 George Paicu, P.Eng.
 Royce Sather, R.E.T.
 Don Byers, C.E.T., ASET Executive
 Director (Secretary)

APEGGA Executive Director's designate responsible for Board:
 Al Schuld, P.Eng., Deputy Registrar &
 Director, Administration

1999 BALLOT COUNTING COMMITTEE

Scrutinized and counted ballots for election to Council prior to the 1999 Annual General Meeting.

Nick Malychuk, P.Eng., Chair
 Andy Barnes, P.Eng.
 William John Lapchuk, P.Eng.
 Stanley Ostapowich, P.Eng.
 Peter Wray Robson, P.Eng.

Keith Stagg, P.Eng.
 James Allan Strong, P.Eng.

APEGGA Staff:
 Al Schuld, P.Eng., Deputy Registrar &
 Director, Administration

1999/2000 NOMINATING COMMITTEE

Dan Motyka, P.Eng., Chair
 Fred Otto, P.Eng., PhD, Past Chair
 Darrel Danyluk, P.Eng., Ex officio
 John Boyd, P.Geoph.
 Andy Gilliland, P.Eng.
 Darcie Greggs, P.Geol.
 Bob Kavanagh, P.Eng.
 Al MacDonald, P.Eng.

John Maher, P.Geol.
 Gordon Moore, P.Eng., PhD
 Shawn Morrison, P.Eng.
 Peter Robertson, P.Eng., PhD
 Al Schulz, P.Eng.
 Kathy Sendall, P.Eng.
 Murray Todd, P.Eng.

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:Stephen Moran, P.Geol., PhD
- Engineering Faculty Council –
 University of Calgary:Ralph Garrett, P.Eng.
- Science Faculty Council –
 University of Calgary:Julie Aitken, P.Geoph.
- Secondary Mathematics Advisory Committee
 on Curriculum Standards:Peter Hancock, P.Eng.

SAFETY CODES ACT — TECHNICAL COUNCILS

- Amusement Rides:Bruce Ball, P.Eng., PhD
- Boilers:Denis Wiart, P.Eng.
- Building:Dick Walters, P.Eng.
- Electrical:Harry Dowhan, P.Eng.
- Elevators:Daniel Shannon, P.Eng.
- Fire:Russ Clark, P.Eng.
- Gas:Fred Marlett, P.Eng.
- Plumbing:Kevin Moodie, P.Eng.
- Ski Lift/Passenger Ropeway:John Ogilvy, P.Eng.

National Organizations

CANADIAN COUNCIL OF PROFESSIONAL ENGINEERS

The mandate of the CCPE is to provide national leadership in support of the highest standard of engineering education, professional qualifications and ethical conduct; to promote greater public understanding of engineering and its many contributions to society; and to act as both the national and international voice of the member associations. Highlights of activities during the past year include:

- ◆ adoption of a new policy on emerging technologies;
- ◆ termination of the legal action against Memorial University and

agreement by the Association of Universities and Colleges of Canada, Memorial University and the CCPE on a resolution process to determine how the term "software engineering" should be used in the undergraduate university community;

- ◆ signing of a mutual recognition agreement with France's national engineering association (CTI);
- ◆ adoption of a new governance model;
- ◆ hosting the First National Forum on Engineering and Continuing Education;

- ◆ signing of a revised Inter-Association Mobility Agreement.

The relevance of the licensing of professional engineers, implementation of the policy on emerging technologies, a government relations program and participation in the development of the Engineer's Mobility Forum and the Asia Pacific Economic Cooperation (APEC) Engineer Project are key areas of activity for the coming year.



Director Fred Otto, P.Eng., PhD



Director and CCPE Executive Member Noel Cleland, P.Eng.

CANADIAN COUNCIL OF PROFESSIONAL GEOSCIENTISTS

The Canadian Council of Professional Geoscientists/Conseil canadien des géoscientifiques professionnels (CCPG) was established in 1997 to coordinate the activities of the Canadian professional associations that license geoscientists or are working toward licensure, and to represent them nationally and internationally. Currently six provinces and two territories require registration of geoscientists. APEGGA is one of the nine member associations in CCPG and played a key role in founding it.

On March 7, 2000, the Government of Ontario released for public consultation a draft of the Professional Geoscientists Act, which will create the Association of Professional Geoscientists of Ontario (APGO). Comments were to be received until April 20, following which the act could be introduced into the provincial legislature. Under the new act, geoscientists in Ontario will be registered by APGO completely independently of the Association of Professional Engineers of Ontario. When the new act is proclaimed, APGO will replace the Association of Geoscientists of Ontario (AGO) as the member association of CCPG for Ontario.

In Nova Scotia, a revised Engineering and Geoscience Act has been prepared after extensive consultation between the geoscience and engineering professions in the province and is awaiting introduction into the legislature.

During the past year, through the Canadian Geoscience Standards Board, CCPG has developed academic and experience standards for licensure which, together with a draft inter-association mobility agreement, have been forwarded to its member associations for comment and approval. These documents, when approved, will facilitate the movement of geoscientists across Canada.

A geoscience task analysis survey, developed in conjunction with the National Association of State Boards of Geology (ASBOG) in the United States, was sent to more than 1,000 Canadian geoscientists in all member associations in 1999. Preliminary analysis of the returns suggests that the practice of geoscience is essentially the same in all parts of Canada and, indeed, that there is no significant difference in geoscience practice between Canada and the United States. The results of the survey will

be used to better understand the role and practice of Professional Geoscientists across Canada.

Two CCPG Board members are members of a committee developing guidelines for technical reports and mineral exploration "best practices" guidelines for the Toronto Stock Exchange. In addition, CCPG has been invited to participate in a task force established by the Canadian Standards Association to investigate and make recommendations regarding the role of securities analysts in the resource industry.

Because the practice of geoscience is not constrained by national boundaries, CCPG is continuing negotiations with organizations that license or certify geoscientists in other parts of the world, including the United States, Great Britain, Ireland, Europe and Australia, with the ultimate aim of mutual recognition of professional qualifications.



Alberta Director Bob Comer, P.Geoph.



CCPG Past-Chair Gordon Williams, P.Geol., PhD

The APEGGA Education Foundation



FOUNDATION PRESIDENT'S REPORT

H.W. (Harry) Moore, P.Eng., President



The APEGGA Education Foundation was established in 1996 as a registered charitable organization to:

- ◆ Encourage and assist education institutions in defining the education needs of the Professions of Engineering, Geology and Geophysics and in developing and delivering these programs.
- ◆ Encourage and assist educational institutions, students, and teachers by providing financial assistance and/or awards.
- ◆ Encourage and assist interaction between industry and educational institutions at both a corporate and individual level.
- ◆ Serve as the professions' vehicle for meeting these objectives by assembling and managing funds, building endowments, encouraging voluntary donations and distributing funds.

The board is working on establishing strategy and policy statements covering (1) fund-raising strategy, (2) award criteria and (3) roles and responsibilities of stakeholders, including the relationship with APEGGA.

A pamphlet "*Funding Futures*", describing The APEGGA Education Foundation, was published and is available for general distribution.

The board recognized and thanked contributors in a special insert funded by Fluor Daniel, which appeared in the November issue of *The PEGG*. We hope that the foundation, through the generous support of members and business, will be able to build a capital base which will permit increased funding of existing scholarships and awards, and establish new ones.

In 1999, the foundation dispersed \$49,950 in support of existing APEGGA scholarships and grants.

The foundation received a special donation of \$50,000 from APEGGA as the latter's Millennium Project. The donation is dedicated for the estab-

lishment of a scholarship for children of APEGGA members. The scholarship could be put towards any post-secondary program.

REVENUE:

	1997	1998	1999
APEGGA	\$29,229	\$128,732 *	\$79,950
Voluntary	5,650	9,647	15,882
Interest	6	3,249 *	5,214
Ad Sponsorship			2,000
Fundraising	8,750		
	\$43,635	\$141,628 *	\$103,046

EXPENDITURES:

Fundraising	\$11,673	\$ -	\$ -
Office	868	2,145 *	1,940
Meeting		4,007	3,619
Scholarships & Grants		66,000 *	53,500
Advertising			2,000
	\$ 12,541	\$72,152 *	\$61,057
NET ASSET CHANGE	31,094	69,476 *	41,987
OPENING ASSETS	0	31,094	100,570
ASSETS DECEMBER 31	\$31,094	\$100,570 *	142,557

Note: * Amount has been revised from 1998-99 Annual Report

THE APEGGA EDUCATION FOUNDATION BOARD

President:

H.W. (Harry) Moore, P.Eng.

K. (Kathy) E. Sendall, P.Eng.

Dr. S.C. (Chan) Wirasinghe, P.Eng.

J. (John) R. Wood, P.Eng.

Vice-President:

A.K. (Ashok) Sehgal, P.Eng.

A thank you to the following directors who resigned in 1999:

R.L. (Bob) Comer, P.Geoph.

Dr. V.S.V. (Raj) Rajan, P. Eng.

D.J. (Debbie) Wershler, P.Geol.

Dr. D.T. (Dave) Lynch, P.Eng.

Directors:

D. (Dennis) G. H. Brooks, P.Eng., P.Geoph.

C. (Chrys.) L. Dmytruk, P.Eng.

J.A. (Tony) Howard, P.Eng.



***The APEGGA Education
Foundation Board of Directors
Back Row: (left to right) John
Wood, P.Eng.; Dennis Brooks,
P.Eng., P.Geoph.; Tony Howard,
P.Eng.; Chan Wirasinghe, P.Eng.,
PhD; and Chrys. Dmytruk, P.Eng.
Front Row: (left to right)
Ashok Sehgal, P.Eng.
(Foundation Vice President);
Harry Moore, P.Eng. (Foundation
President); Kathy Sendall, P.Eng.***



***The APEGGA Education
Foundation President Harry
Moore, P.Eng., (left) presents
cheque for \$10,000
to Yoho Burgess Shale
Foundation President
Nat Rutter, P.Geol., PhD.
Also in photo APEGGA
Director, Communications
& Public Affairs,
Chrys. Dmytruk, P.Eng.
The funds will support
initiatives of the Yoho Burgess
Shale Foundation to improve
students' understanding of
climate change.***

Branch Reports

CALGARY BRANCH



Stephen Calderwood, P.Eng., Chair

In 1999 the Calgary Branch Executive Committee (CBEC) formally adopted the revised "Role of the Calgary Branch". On behalf of the CBEC, I would like to thank APEGGA Director, Professional Development, Len Shrimpton, P.Eng. who greatly assisted in this task.

Flush with renewed enthusiasm, the CBEC decided to embark on a major project to create a volunteer branch network in order to fulfil the newly adopted objectives. With over 16,000 APEGGA members in the branch, the CBEC decided to make use of the existing organizations to begin creating the network. As a pilot project, the CBEC has contacted the

responsible members in seven of the organizations which in aggregate employ about 1,600 members or about 10 per cent of the Calgary Branch membership. The 2000 version of the CBEC has already committed to continue the pilot project and, if successful, the network should grow steadily. It will likely take significantly more volunteers and more than one year for the network to reach all our members.

Having the largest number of geologists and geophysicists in APEGGA, the CBEC also recognizes that Calgary Branch has an opportunity to improve the profile of APEGGA amongst the geoscientists. Toward this end, the CBEC vigorously encouraged APEGGA to be a major sponsor of the CSPG/CSEG 1999

Honorary Address in the Jubilee Auditorium in Calgary. APEGGA provided \$1,500 in support for this event.

The Calgary Branch benefits greatly from a talented team of administrators and communications staff in APEGGA's Calgary office. There is little question that APEGGA's profile in Calgary continually improves due to the hard work of these dedicated employees and I would like to take this opportunity to thank the Calgary APEGGA staff for their determined efforts in 1999.

In 1999, the CBEC conducted nine successful branch luncheon meetings and three professional development evenings, two on contract employment and one on career management. At the Calgary Branch AGM luncheon on Jan. 20, 2000, the 1999 CBEC handed over the reins to the 2000 CBEC, with all new committee members elected by acclamation. The new chair, Kevin Richmond, P.Geol., has an enthusiastic new committee with a budget which is almost double the budget for 1999.

Finally, I would like to thank all the Calgary volunteers who assisted APEGGA in 1999, especially the members of the CBEC. It was an honour and a privilege to lead the committee.

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

Stephen Calderwood, P.Eng., Chair
Gordon Barrington, P.Eng., Past-Chair
Kevin Richmond, P.Geol., Vice-Chair
Shawn Morrison, P.Eng., Treasurer
Steve Wyton, P.Eng., Secretary

Members At Large:

Ellen Biasucci, P.Geoph.
John Clay, P.Eng.
Denise Hodder, Geol.I.T.
Tibor Kaldor, P.Eng.
Judith Lentin, P.Geol., PhD
John Pastega, P.Eng.
Carlo Sapijaszko, P.Eng.
Floyd Siegle, P.Eng.



Members of the Calgary Branch Executive are shown following their election at the Branch Annual General Meeting, Jan. 20, 1999.

Front row (l to r): Ellen Biasucci, P.Geoph.; Chair Stephen Calderwood, P.Eng.; and Past Chair Gordon Barrington, P.Eng.

Back Row (l to r): Floyd Siegle, P.Eng.; Carlo Sapijaszko, P.Eng.; Tibor Kaldor, P.Eng.; Treasurer Shawn Morrison, P.Eng.; and Secretary Steve Wyton, P.Eng.

Missing: Vice-Chair Kevin Richmond, P.Geol.; Denise Hodder, Geol. I.T.; John Clay, P.Eng.; John Pastega, P.Eng.; and Judith Lentin, P.Geol., PhD.

Andrea Dawson, E.I.T., Chair

Our focus continues to be improving the perception of APEGGA with our membership through better communication and by providing interesting tours, speakers, and seminars. Many of our members have volunteered by speaking to engineering students at Red Deer College, judging science fairs, and attending Chamber of Commerce meetings. In April, we

hosted our first Professional Development Day, which was a resounding success. At our AGM and election in May, the keynote speakers from TransAlta Corporation spoke about deregulation and restructuring of the electric industry and Y2K. In the fall, we toured the Sheerness ATCO Power Plant, attended a Branch Orientation Session, hosted a success-

ful first Annual Winter Recreation Night, treated the Teacher Award winner to dinner, and surveyed our membership requesting feedback and new ideas.

The President's Visit took place in February, enabling members to interact with President Darrel Danyluk, P.Eng., and Executive Director Neil Windsor, P.Eng. This dinner engagement set the scene for our first New Member Induction Ceremony, and the presentation of a Life Membership Award. Upcoming events being considered include a presentation on the Oil Sands Expansion Project in Fort McMurray, a Student/Engineer Mixer Night, another PD Day, a "Dual Career Families" Seminar, and a tour of Banner PharmaCaps.



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

Andrea Dawson, E.I.T., Chair
 Rod Collins, P.Eng., Vice Chair
 Rick Granberg, P.Eng., Treasurer

Deepika Shah-Lahoti, E.I.T.,
 Primary Outreach Coordinator
 Arun Mishra, P.Eng., PhD,
 College Liaison

Members At Large:
 Blair Boudreau, P.Eng.
 Chris Dedeurwaerder, E.I.T.
 Bob Demcoe, P.Eng.
 Elisabeth Dupuis, P.Eng.
 Kim Ng, P.Eng.
 Andrew Poole, E.I.T.
 Gerry Pyper, P.Eng.
 Peter Stevens, P.Eng.



Central Alberta Branch's New Member Induction Ceremony was attended by APEGGA President Darrel Danyluk, P.Eng., seen here congratulating Tanya Romkey, P.Eng. (top photo). At the same event, Alec Robertson, P.Eng., (left, lower photo) was recognized as a Life Member of the Association.



Greg Gaudet, P.Eng., Chair

In 1999/2000, the Fort McMurray Branch enjoyed another busy and successful year. The main focus was to raise awareness of engineering and the geosciences within the community. We also wanted to provide a means of communication between the local members and APEGGA. To accomplish these goals,

numerous events were held to interact with peers, and volunteers participated in events and presentations within the community.

Events of note were a Wine Tasting Night, a technical presentation on the Klondike Gold Rush, the APEGGA President's Visit and New Member Induction and Student Night, where practicing members,

and college and co-op students had the opportunity to meet in an informal setting. The APEGGA Council held its meeting in Fort McMurray in September, providing the members and the public a chance to meet and discuss issues of relevance.

Numerous informational presentations were held through the Student Outreach Program at schools, as well as at Keyano College. Members also participated in award presentations to teachers and students, as well as judged various science competitions and a Lego building competition.

Members of the Executive attended a weekend Branch Orientation Seminar arranged by APEGGA. Significant effort was also put forth in providing input into the Branch Manual. Work continues in coordinating activities for a prospective visit by a NASA astronaut. At the AGM, the keynote speaker was Summit Award Winner Jim Carter, P.Eng.

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

Greg Gaudet, P.Eng., Chair

Swami Swaminathan, P.Eng., Past Chair
 Paul Hagar, P.Eng., Vice-Chair
 Peter Fisher, P.Eng., Treasurer
 Mitchel Azmier, P.Eng., Secretary

Allyson Hadland, E.I.T.,
 Outreach Coordinator
 Neil Prentice,
 Keyano College Student Rep.

Members At Large:

Kim Farwell, E.I.T.
 Prakash Mullick, P.Eng.
 David Fudge, E.I.T.
 Andrey Pawelczak, P.Eng.
 L. Victoria Fudge, E.I.T.
 Mike Sneath, P.Eng.
 Rattan Garcha, P.Eng.
 Gerry Lobb, P.Geol.
 Shannon Hardy, E.I.T.
 Marc Riendeau, E.I.T.
 Kris Kumar, P.Eng.
 Ashok Sehgal, P.Eng.



When APEGGA Council held its September meeting in Fort McMurray (bottom), it provided an opportunity for President Darrel Danyluk, P.Eng., to deliver APEGGA's message on local TV. (below). Council members also toured Suncor's new Steepbank Mine (left).



LAKELAND BRANCH

Bill Chase, P.Eng., Chair

The Lakeland Branch has achieved significant results in pursuit of our objectives to provide on-going professional development and networking opportunities for our members, to promote science careers through the area schools, and to increase the profile of APEGGA to local businesses and the public.

The branch AGM was held in June along with a golf and dinner social event at the Grand Centre Golf Club.

In spite of steady rain, participation was very good. A new branch executive was elected and the branch annual plan was charted.

We are proud of continued success with our promotion of science in schools. Student achievement awards for math and science were presented at several area schools. On Nov. 25, we held our annual APEGGA-sponsored award ceremony for teaching excel-

lence. Several public VIPs joined a large turnout of members for the award ceremony, dinner, and guest speaker who presented a talk on the heavy oil marketing business.

APEGGA was an official sponsor and trade show contributor at the 1999 Cold Lake Air Show. We achieved very high exposure to the crowds visiting from throughout Western Canada.

On March 9, we combined our annual APEGGA President's Visit with a professional development course. President Darrel Danyluk, P.Eng., joined us for dinner and enjoyed a technical speech from a member working in the Aerospace Engineering Test Establishment at Canadian Forces Base Cold Lake.



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

Bill Chase, P.Eng., Chair
Richard Wadsworth, P.Eng.,
Past-Chair
Ishvarlal Thalesvar, P.Eng.,
Treasurer / Secretary
Yu-Min Chin, P.Eng.,

Student Outreach Coordinator
Members at Large:
Rick Campbell, P.Eng.
Scott Fouracres, P.Eng.
Jamie Gingrich, E.I.T.
Keith Lambert, P.Eng.

LETHBRIDGE BRANCH

Norbert Bohnert, P.Eng., Chair

The Lethbridge Branch of APEGGA has had an active year with several activities involving the local membership.

Our 9th Annual Golf Tournament in May of 1999 was a huge success with good interaction occurring amongst the members and guests both on the course and afterwards.

In early June, the branch AGM was held, with a few new executive members coming on stream. At the AGM, we were pleased to have our local Council member, Dale Miller, P.Eng., give us an update on APEGGA's activities and crucial issues facing APEGGA and its members.

Other branch meetings held throughout the fall and winter included:

- ◆ luncheon meeting with a professional engineer from the City of Lethbridge regarding electrical deregulation in Alberta and what it will mean to power customers in the future;
- ◆ luncheon meeting with the City of Lethbridge Development Services Manager, including a presentation on new Riverstone Subdivision and processes involved in bringing a new subdivision on stream;
- ◆ APEGGA President's Visit to Lethbridge.

The branch has been active in bringing APEGGA's awareness to the public through presentations at the University of Lethbridge and has also been active

in the local school systems giving presentations to the high schools, while encouraging the maths and sciences with presentation of specific awards to the successful candidates.

The branch has been working to achieve closer liaison with the first-year U of L pre-engineering students, by encouraging them to attend our local meetings and by making presentations to them about APEGGA and its function. This way, we try to strongly encourage their continuance in pursuing their education in engineering.

The past year has been rewarding and, with the continued support of my executive, we are continuing our best efforts towards commitment of better serving our local APEGGA members. I would like to express my sincere thanks to the executive members for their dedication and efforts in making this past year an enjoyable and huge success.



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

Norbert Bohnert, P.Eng., Chair
Mark Bellamy, P.Eng., Past Chair
Bill Little, P.Eng.
Doug Hawkins, P.Eng.

John Take, P.Eng.
Jozef Prozniak, P.Eng.
Terry Hood, P.Eng.
Tanys MacGowan, P.Eng.

MEDICINE HAT BRANCH

Vern Fedor, P.Eng., Chair

The Medicine Hat Branch was active in many areas promoting APEGGA's mission and objectives. Our branch has six sub-committees dedicated to carrying out the functions of student outreach, college student liaison, continuing education/continuing professional development (CPD), branch

meetings/events, liaison with other professional associations, and the Branch Nominating Committee.

We started off the year by participating with Alexander Junior High School in Medicine Hat in the Shaving Cream Tower Construction Challenge during National Engineering Week in March, while Brooks held a Science Olympics at the same time.

In June, we selected John Descoteau, a teacher from Duchess, for the "School is Cool" Teacher Award.

During the year, we held four branch meetings with speakers giving presentations on the Power Pool of Alberta, City of Medicine Hat's Waste Diversion Plan, Lamb Weston French Fry Processing Facility, and the Annual AGM and President's Visit in February. We also had a Member and College Student Mixer Night in March.

In August, we held our Annual APEGGA/ASET Golf Tournament with 43 golfers showing up to play and 60 people for the BBQ dinner.

In the new year, we started the planning for a local CPD Day in Medicine Hat to be held in the spring.

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

Vern Fedor, P.Eng., Chair
Bob Hawrelak, P.Eng., Past Chair
Vic Janz, P.Eng., Vice Chair
Mary Ann West, P.Eng., Secretary
John Penrose, P.Eng., Treasurer

Members At Large:
Robert Arthur, P.Eng.
Jim Creybohm, P.Eng.
Sheldon Dattenberger, P.Eng.
Sheldon Diduck, P.Eng.
Gerard Klotz, P.Eng.
Daniel Lorden, P.Eng.

PEACE RIVER BRANCH

Mark Ewanishin, P.Eng., Chair

The Peace River APEGGA Branch had a successful year accented by professional development, social events and community awareness of the professions. The branch hosted a professional development day that was attended by 35 people that offered courses in a variety of subjects, such as contract law and public speaking.

Some of the community activities that members participated in were local and regional science fairs, career fairs, science nights, and APEGGA volunteer orientation. Student night and job shadow day were very popular with the 25 engineering students, who were paired with a local engi-

neer in an industry of interest. The annual APEGGA President's Visit and New Member Induction Ceremony was also popular, with a dozen new members and 50 participants present. The branch was also pleased to present Roxie Rutt of Grovedale School with the Annual Teachers Award.

In summary, the Peace River Branch is doing well in an environment of busy membership, busy volunteers and expansive geographical distances. I would like to encourage all membership interested in meeting new people with common professional interests to come out and participate.

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

Mark Ewanishin P.Eng., Chair
John Lehnars, P.Eng., Past Chair
Barry Brown P.Eng., Vice Chair
Sylvain Cadieux, P.Eng., Secretary
Troy Thieman, P.Eng., Treasurer
Heidi Yang, P.Eng.,
Outreach Coordinator

Members At Large:
Jason Fimrite, P.Eng.
Bert Hunt, P.Eng., PhD
Darwin Juell, P.Eng.
Mario Kulas, P.Eng.
Tracy Rhyason, E.I.T.
Dan Ropchan P.Eng.

VERMILION RIVER BRANCH

Barry Ranger, P.Eng., Chair

The past year in the Vermilion River Branch was marked by a number of well-attended events, implementation of a branch newsletter, and an excellent display of volunteer support. In March 1999, the branch held its AGM in conjunction with the President's Visit. During the day, an informative tour of the Husky Lloydminster Upgrader was provided to (now) Past President Dan Motyka, P.Eng., and Executive Director Neil Windsor, P.Eng., by APEGGA member Jim Zeibin, P.Eng. Part of the evening's events included a Member Induction Ceremony for two of the eight new professional members in the branch, and recognition of a new life member, Kenneth W. Hill, P.Eng. In addition,

Brian J. Kennedy, P.Eng., P.Ag., was recognized with a plaque as he retired from the executive of the branch that he had helped create, and of which he had been an integral part for the last 15 years.

In February and March, the branch helped to organize and provide volunteers for the National Engineering Week Shaving Cream Tower Challenge at three Lloydminster junior high schools. In May, a technical session was held on the Husky Oil/TransAlta Co-generation Project, presented by Dave Kay from Husky Oil, with an excellent attendance of close to 60 people. The annual Branch Golf Tournament and Steak Barbecue was held in June and in July, the Vermilion

River Branch co-operated with the Lakeland Branch in providing volunteers for the APEGGA booth present at the Cold Lake Air Show. The branch was pleased to present the 1999 APEGGA Teacher Award to Neil Williams of Kitscoty Junior and Senior High School. It was also decided to recognize Jackie Bouck of Bishop Lloyd Junior High School (Lloydminster) and Ron Lindsay of Blessed Sacrament School (Wainwright) with plaques as the next closest nominations for this award.

Events for 1999 wrapped up in November with Eric Norum, an engineer from the University of Saskatchewan, giving an exciting presentation on the Canadian Light Source (a third generation synchrotron) being constructed at the U of S.

Plans for 2000 include providing a professional development session and a technical session on oilsands development and production. We will continue to forge bonds with our sister branches and professional organizations (APEGS, ASET, SASST, etc) so that branch events continue to be a success.



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

Barry Ranger, P.Eng., Chair
Trent Cherry, P.Eng., Vice-Chair
Tom Greenwood-Madsen, P.Eng.
Past Chair
Sloane Dieken, P.Eng.,
Secretary/Treasurer

Members at Large:
Rob Baron, P.Eng.
Greg Calpas, P.Eng.
Suzanne Calpas, P.Eng.
Terry Mulvey, P.Eng.
Jim Sweeney, P.Eng., ALS, CLS
Kevin Thomas, P.Eng.
D'Arcy Wooldridge, E.I.T.

YELLOWHEAD BRANCH

Phil Bogner, P.Eng., Chair

Nineteen-ninety-nine was a year of rebuilding within the Yellowhead Branch. Our primary focus was the recruitment of members to fill the many vacant positions on the execu-

tive. We now have representation from Fox Creek, Whitecourt, Drayton Valley, Edson, Hinton, and Jasper.

We continue to host tours of the many industrial facilities within the

branch, as well as sponsor activities within our schools to promote science and engineering.

Unfortunately, we also continue to see minimal participation in these activities by the general membership.

On a positive note, we are entering 2000 with a full complement of dedicated executive, and look forward to a year of meaningful and fun activities.



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

Phil Bogner, P.Eng. Chair
John Baker, P.Eng.
Martin Belanger, P.Eng.
Sotirios Korogonas, E.I.T.

Ross Pugh, P.Eng.
Don Riddle, P.Eng.
JoAnne Volk, P.Eng.

Honours and Awards

THE APEGGA CENTENNIAL LEADERSHIP AWARD

John Lagadin, P.Eng.

John Lagadin was born and raised in Thunder Bay, Ontario. He graduated from Michigan Technological University in 1962 with a B.Sc. in geological engineering.

After graduation, he joined Twin City Gas Co. Ltd. in Thunder Bay as a regional engineer. In 1967, he joined Twin City's parent company, Northern and Central Gas Co., a natural gas utility serving communities in northwestern and eastern Ontario. Over the next 11 years, he had various engineering responsibilities, culminating in 1970 with his appointment as chief engineer at Northern and Central Gas Co.

In 1978, Mr. Lagadin moved to Sherwood Park, Alberta, after being appointed vice-president and general manager for ICG Engineering Ltd., a subsidiary of ICG Utilities Ltd. During his six-year tenure with ICG, Mr. Lagadin built the business from a staff of four to over 100 employees focused primarily on developing new natural gas distributions systems in unserved areas of Canada.

He left the natural gas utility business in 1984 and began his own business centered on natural gas marketing and predicated on deregulation of the marketing of natural gas in Canada. In 1985, with a consortium of 11 producers, he founded Direct Energy Marketing Limited. By 1996, it was the largest independent natural gas marketing company in Canada.

In January 1994, Mr. Lagadin and his Direct Energy team launched Energy Exchange Inc., the first company to provide the natural gas industry a commodity styled electronic exchange for the purchase and sale of natural gas in North America. This company now operates under the name of Altra Energy Technologies.

That same year, recognizing that there may be opportunities to enhance the value of natural gas resources in the Western Canadian Sedimentary Basin, Mr. Lagadin and his Direct Energy team began the conceptualization of a competitive new grass-roots pipeline project to help solve the problem of limited Alberta export capacity and the resultant chronic low well head prices for natural gas. As a result of this work, a high pressure mixed gas pipeline technology was developed. The new method results in higher specific gravity gas mixtures, and consequently a significant reduction in pipeline size and the horsepower required to ship the same amount of energy compared to conventional methods. Mr. Lagadin has two Canadian patents for this technology and has patents pending in a number of other countries.

Mr. Lagadin and his colleagues formed an organization of producers to advance the business case, which resulted in the formation of the Alliance Pipeline. This new technology proved to be very successful, and in 1998, the National Energy Board granted Alliance a permit to construct the pipeline, thus making John Lagadin the father of the Alliance Pipeline.

Alliance stretches 3,080 kilometres from northern British Columbia to a world-scale separation and fractionation facility in Chicago. Total project cost will be \$5.5 billion. At its peak, Alliance will employ an engineering and construction work force of 7,000. The expected in-service date for the Alliance Pipeline is October 1, 2000. It will enable Alberta producers and citizens to benefit from higher producer netbacks and royalty revenues for all natural gas production due to the long-term unrestricted pipeline capacity and exposure to markets.



“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 because of invention, research or original work, or an outstanding or exemplary career in teaching the professions.”

THE APEGGA FRANK SPRAGINS TECHNICAL AWARD

G rard Lachapelle, P.Eng., PhD



“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.”

G rard Lachapelle has contributed to the development and commercialization of satellite-based positioning and navigation technology, and to the training of engineering students and professionals. He has performed pioneering work related to the development of new methods and novel applications of the Global Positioning System (GPS), a complex constellation of 24 satellites gradually deployed during the last 20 years.

His involvement with GPS began in 1980 with Sheltech Canada, a division of Shell Canada Resources Ltd. He was a founding member of Calgary-based Nortech Surveys (Inc.) Canada, and Norstar Instruments. In 1988, he joined the University of Calgary and now serves as the head of the Department of Geomatics Engineering. He owns his own company, G. Lachapelle Consultant Inc.

His research has resulted in the development of procedures, algorithms and applications of GPS, effective and timely technology transfer methods and software to organizations worldwide, and in the training of highly qualified personnel to exploit the new technology. Dr. Lachapelle has developed con-

cepts and methods to reliably position moving platforms to within a few centimetres. Civilian and military applications investigated include aircraft-to-aircraft positioning, artillery positioning and precision farming.

He is one of the inventors of a patented cellular telephone positioning and emergency location system that has been transferred to, and successfully commercialized by Cell-Loc Inc. His research has been sponsored by the Natural Sciences and Engineering Research Council (NSERC) of Canada, U.S. Navy, U.S. Air Force, the Department of National Defence, and Transport Canada. He currently holds the highest NSERC individual research grant in the Faculty of Engineering.

In 1997, he was awarded the Johannes Kepler Award from the U.S.-based Institute of Navigation. He was the first non-American to receive this award. In 1999 he was conferred an Honorary Professorship from the University of Electronic Science and Technology of China and elected Full Member of the Russian Academy of Navigation and Motion Control.

THE APEGGA L.C. CHARLESWORTH PROFESSIONAL SERVICE AWARD

J.A. (Tony) Howard, P.Eng.



“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.”

Tony Howard was born in Montreal and graduated from McGill University in 1964 with a B.Sc. in engineering, and obtained his M.B.A. in 1966 from Stanford University in California.

His diverse career started with Montreal Engineering in 1966, where he worked as a junior engineer and finally site commissioning engineer on a thermal power facility for the Saskatchewan Power Corporation. He was seconded for two years to the Corporate Planning Branch of the Federal Ministry of Transport in Ottawa. His experience also includes several aviation and agricultural projects in Jamaica, Colombia and

Afghanistan. He transferred to TransAlta Utilities in 1982 and eventually became director of marketing and vice-president of energy supply systems for TransAlta Energy Systems, a TransAlta Utilities subsidiary. He transferred in late 1990 to Monenco AGRA, where he was responsible for marketing and business development for the firm in the power and process lines of business. Mr. Howard joined Stantec Consulting in 1997 and is manager, industrial, in Stantec’s Calgary office. He is responsible for the firm’s consulting services in the industrial, oil and gas, and electric power sectors.

(continued page 38)

Mr. Howard's contribution to the Association is extensive. He served on the Convention Planning Committee from 1981 to 1985, and as a councillor from 1987 to 1990. He continued his activities as a member of the

Enforcement Review Committee from 1988 to 1992, the Executive Committee from 1992 to 1994, Self-Governance Coordinating Committee and as first vice-president in 1992-93. Mr. Howard assumed the APEGGA presidency in

1993-94, and has since served on the Nominating Committee. Currently, he is a director of The APEGGA Education Foundation and serves as an alternate warden of Camp 18 of the Corporation of Seven Wardens.

THE APEGGA EXCELLENCE IN EDUCATION AWARD

Anil K. Mehrotra, P.Eng., PhD



Anil Mehrotra graduated from the Birla Institute of Technology and Science in India with a B.E. (Hons.) in chemical engineering. He received his M.Eng. in environmental engineering from the Asian Institute of Technology in Thailand and his PhD in

chemical engineering from the University of Calgary. Dr. Mehrotra has been a full-time faculty member in chemical engineering at the university since 1981, and has served as professor and associate head (graduate studies) since 1989.

Dr. Mehrotra has instructed several courses in the chemical engineering department. In all the undergraduate courses he has taught, student evaluations have consistently ranked him among the best engineering instructors.

He has utilized his experiences in the area of rheology and heat transfer to design experiments for undergraduate courses. He supervised the equipment fabrication, tested each apparatus, and then made them part of the undergraduate teaching curriculum. Specifically, he introduced three new experimental apparatus,

namely a Packed/Fluidized Bed, Heat Transfer/Power Consumption in an Agitated Vessel, and Mass Transfer in a Bubbling Column. He helped to develop the B.Sc. in Oil and Gas Engineering Program at the University of Calgary, which received approval in 1998.

Dr. Mehrotra received the Superior Teaching Award from the Engineering Students Society in 1998, the Teaching Excellence Award from the Faculty of Engineering in 1997, and the Teaching Excellence Award of the University of Calgary Students' Union in 1998. In 1999, he was presented the Service Excellence Award by the Faculty of Engineering.

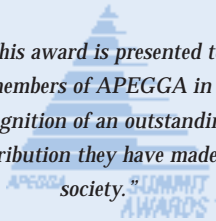
Dr. Mehrotra was also a member of the Faculty of Engineering Committee for Accreditation in 1999. He has participated in the development of courses by the Faculty of Engineering for continuous professional development. He also participates in the teaching and development of the University of Calgary/OLADE multidisciplinary M.Sc. degree in energy and environment that is delivered in Quito (Ecuador) to Latin American students.

"This award is presented to members of APEGGA who have made an exemplary contribution to teaching and learning at a recognized post-secondary teaching establishment in Alberta."

Dave Irvine-Halliday, P.Eng., PhD



"This award is presented to members of APEGGA in recognition of an outstanding contribution they have made to society."



Dave Irvine-Halliday graduated from the University of Strathclyde in Dundee, Scotland with a B.Sc. (Hons.) in electrical engineering in 1964, and from the University of Aberdeen, Scotland, with a M.Sc. and PhD. Early in his career, he worked with several electrical and telecommunications companies in England. The results of his work in digital and network synchronization theory were patented by British Telecommunication Research Limited.

Shortly after his doctoral graduation, he came to Canada and joined Bell-Northern Research (BNR) in Ottawa. After a successful career as a member of the scientific staff with BNR, he joined Alberta Government Telephones. After returning to Scotland to work on a contract, he began his teaching career at the University of Technology in Victoria, Australia. In 1983, he became an associate professor at the University of Calgary.

Dr. Irvine-Halliday has placed a high priority on serving his community. While in Australia, he volun-

teered as a swimming instructor for physically challenged children. In 1992 he joined the Calgary Roadrunners Club, and has since assumed a number of leadership roles with the club. In these positions, he was the promoter in organizing events to raise money for aboriginal athletes and local hospitals. He has also volunteered with the Calgary Winter Olympics in 1988, the World Police and Fireman Games in 1997 and numerous other racing events to raise money for charity.

In the early nineties, Dr. Irvine-Halliday agreed to chair a new Women in Engineering Committee (WIEC). Led by his vision, WIEC promoted engineering careers to young women still in high school through countless school visits and student meetings. He also organized seminars on entrepreneurship, slanted towards women.

He is an active promoter of science, math and technology to high school students, and is a founding member of the TriCouncil on Education.

HONORARY MEMBERSHIP

Robert E. McTague



"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."

Robert McTague is the president of Optima Engineers and Constructors Inc. Incorporated in 1987. Optima has grown to be a major engineering company providing multi-discipline engineering, process design, procurement, construction and quality management expertise to the oil and gas and petrochemical industries.

Before starting Optima, Mr. McTague spent the early portions of his career with Bechtel Corporation and returned to Canada in the 1980s to head Emcon, a Calgary-based construction company.

Mr. McTague possesses superior knowledge of engineering design practices, project management proce-

dures, construction management, cost estimating and project controls. He appreciates, supports and reinforces the concepts of professionalism and professional ethics that are paramount to APEGGA.

Mr. McTague has been lead lecturer for the University of Calgary Project Management Specialization Program since 1985, and was instrumental in helping establish the Chair in Project Management at the University of Calgary. He serves as a mentor for many engineers and construction and project managers, both with Optima and with clients.

HONORARY MEMBERSHIP



Hon. Stan Woloshyn, MLA

Stan Woloshyn was appointed Minister of Public Works, Supply and Services in 1996. In 1997, he was re-elected as the MLA for Stony Plain and re-appointed to the Alberta Cabinet as Minister of Public Works, Supply and Services. In May of 1999, Mr.

Woloshyn was named Minister of Community Development.

As Minister of Public Works, Supply and Services, Mr. Woloshyn was responsible for the Engineering, Geological and Geophysical Professions (EGGP) Act. In 1999, Mr. Woloshyn successfully guided amendments to the EGGP Act, which permit independent practice within a defined scope by qualified registered professional technologists. His visionary leadership, guidance and understanding of the role of self-governing professions were instrumental in the concep-

tual formulation and finalization of this landmark change to the EGGP Act. Under Mr. Woloshyn's guidance, the new legislation which established a new designation, Registered Professional Technologist (Engineering), has contributed significantly to resolving a longstanding issue between APEGGA and the Alberta Society of Engineering Technologists with regards to finding appropriate ways to give greater recognition to engineering technologists and their role on the engineering team.

Born in Edmonton, Mr. Woloshyn now resides in Clymont. He received a bachelor of education degree from the University of Alberta, and went on to serve as teacher, department head and principal of Memorial Composite High School in Stony Plain. From 1977 to 1989 he served as principal of Kitaskinaw School on the Enoch Indian Reserve.

"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."

HONORARY LIFE MEMBERSHIP



D.J. (Darrel) Danyluk, P.Eng.

Darrel Danyluk graduated from the University of Manitoba with a B.Sc. in civil engineering in 1972. He joined Reid Crowther & Partners Ltd. and developed his career in Winnipeg, Red Deer, Edmonton and Calgary.

Currently, he is the chief operating officer of Reid Crowther responsible for all corporate operations.

Mr. Danyluk has been a member of APEGGA since 1977. He held all branch executive positions in Red Deer, and served on APEGGA Council, the APEGGA Task Force on Brookes Law and APEGGA/AAA Joint Board. He also co-founded the annual APEGGA Golf-Eng. Tournament in Red Deer. Mr. Danyluk has assumed numerous leadership roles with APEGGA, serving as First Vice-President (1998-1999), and as President (1999-2000).

Mr. Danyluk was a board member of the Consulting Engineers of Alberta (CEA) from 1988 to 1997, and served as president of the CEA in 1991. During his term as CEA president, Mr. Danyluk and then APEGGA president Noel Cleland, P.Eng., recognized a need to define

the relationship and responsibilities between CEA and APEGGA. The result was a Memorandum of Understanding between the two organizations.

In 1992, Mr. Danyluk was appointed to the Board of Directors of the Association of Consulting Engineers of Canada (ACEC) and was named to its Executive Committee in 1993. He chaired the Business Practices Committee and the Steering Committee for the National Study on Human Resources Practices in the Canadian Consulting Industry. He was also treasurer and chair of the Communications Committee and the HR Implementation Committee until 1997.

Mr. Danyluk speaks widely on the value of the engineering profession, the need for broadened skill development for engineering students, and the need for diversity and human resource development in the consulting industry and engineering profession. He has helped to develop partnerships between Reid Crowther and Don Bosco Junior High School and Senator Riley Elementary School to promote engineering as a profession.

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

Association.

Wabasca Horizontal Well Network Drilling 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.”

This project was initiated by the Wabasca Resource Development Team of Amoco Canada Petroleum Company Limited in response to challenges presented by development of the Wabasca-Pelican Lake heavy oil play north of Slave Lake.

In 1995, commercial, horizontal drilling for Amoco in Wabasca consisted of a 1,200-metre-long, lined horizontal wellbore. These single wells with slotted liners became known as a single well equivalent (SWE). In order to reduce development costs, the team eliminated the slotted liner and drilled an experimental openhole horizontal well in June of 1995. Success of this unlined wellbore field trial resulted in three more unlined tests, and led to a simplified multilateral technique with wells consisting of up to five legs, only one of which was lined. This process reduced the drill, complete and equip (D, C & E) costs to 60 per cent of a SWE.

As above average rainfall made road construction on the muskeg increasingly difficult, the team identified the need to get out of the road building business to make the play a success. This required drilling horizontal wells much longer than conventional techniques allow, since longer wells could develop more land with fewer roads. The team attacked the problem in two ways. The first technique, through innovations in drill string design, using a top drive and special drilling fluid additives allowed one extended reach well to achieve a world record horizontal displacement to true vertical depth ratio of 7.20. The horizontal leg on this well stretched to over 2,700 metres, an increase of over 225 per cent from a standard 1,200-metre well.

The second, patent-pending technique was to drill horizontal wellbores to establish effective fluid communication with a main production well. This technique was attempted on two existing horizontal wells, one of which succeeded. This led to planning and drilling of a large drainage network specifically designed to use this technology. A main conduit drainhole — with production equipment and facilities for the network was drilled from a permanent all-weather

surface location. Two wells were drilled to communicate with this conduit well. These communicating wells were drilled from frozen, winter access only sites. All three wellbores were then effectively produced from the first permanent conduit location. When fully developed, this network will develop five sections of land from one permanent surface location versus half a section for comparable conventional horizontal methods.

As well as achieving costs of 50-60 per cent of that of conventional wells, a number of operational benefits were realized including level loading of surface equipment, improved serviceability and more effective use of operations manpower. A major win was also achieved on the environmental side by reducing permanent surface access and flowline requirements. By gathering more production to a single point, the feasibility of waste methane recovery to reduce greenhouse gas loading was enhanced.

Conceived and executed by Albertans, nearly 80 per cent of major services were provided by Alberta — based companies, including Precision Drilling, Tesco Corp, Bigstone Band Enterprises, McLeay Geological Consultants, Prudential Steel and GL Slotco. Morley Frank, P.Eng., of Bear River Engineering provided drilling engineering and project management to the project. His professional skills and “can do” attitude contributed to the success of the project despite a great deal of skepticism from peers. Amoco staff conceived the idea of communicating wells and contributed strategic, geological, engineering, business and operations support.

This model of extended reach wells was quickly adopted by other operators in the area, and is being used successfully in Venezuela, reducing the impact of oil and gas development on the environment.

This technique may also open the door to a new suite of enhanced oil recovery methods in Alberta’s oil sands. This effort by Albertans, in Alberta, helped Amoco to achieve peak production rates in excess of 14,000 barrels of oil per day at Wabasca.

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, and auto sales and leasing.

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. REISTERED RETIREMENT SAVINGS PLAN

Canada Life

(Canada Life Insurance Company)

Toll Free: 1-800-387-2679

Web site : www.canadalife.com/en/invest/ccpe

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

The Maritime Life Assurance Company

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
- 3.5 Dental Care

The Maritime Life Assurance Company

Sponsored Markets

P.O. Box 120 T-D Centre

95 Wellington Street West, Suite 2000

TORONTO ON M5K 1N9

Toll Free: 1-800-828-8806

Fax: (416) 864-8600

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

Authorized Representatives:

Garrett Agencies Ltd.

1107, 1122 – 4th Street SW

CALGARY AB T2R 0X6

Toll Free: 1-800-661-3300 Tel: (403) 263-6077 (Calgary)

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

E-mail: garrett@garrett.ab.ca

4. PROFESSIONAL LIABILITY INSURANCE

4.1 Professional Members in Private Practice

ENCON Group Inc.

4.2 For Individual Members

ENCON Group Inc.

ENCON Group 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

Meloche Monnex Financial Services Inc.

5.1 Home

5.2 Auto

5.3 Travel Medical

5.4 Small Business Insurance

Edmonton:

6th Floor, 10115 – 100A Street NW

EDMONTON AB T5J 0R5

Tel: (780) 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.melochemonnex.com/>

6. NEW CAR PURCHASE PLAN & USED CAR BUYING SERVICE

Royalty Auto Sales and Leasing

6812 Fairmount Drive SE

CALGARY AB T2H 0X3

Tel: (403) 253-7000 (Calgary)

Tel: (780) 452-4100 (Edmonton)

Toll Free: 1-800-667-2886

7. BUDGET CAR & TRUCK RENTALS

This service provides APEGGA members with the Budget Corporate Rate program. Contact APEGGA for information and the APEGGA ID number, Edmonton (780) 426-3990 or Toll Free: 1-800-661-7020.

APEGGA Photo File



APEGGA was once again a major sponsor of National Engineering Week activities, including the Science Olympics in Edmonton.



APEGGA held a series of well-attended Professional Development Days at various locations. This past year, the program was expanded past Edmonton and Calgary to include sessions in Fort McMurray, Grande Prairie, Red Deer and Lethbridge.



APEGGA booth had a prominent presence at a number of technical society gatherings and other conferences, such as the Alberta Urban Municipalities Association (shown here).



Mrs. Jacquie Lindberg and APEGGA President Darrel Danyluk, P.Eng., unveil a photo of the late Dennis A. Lindberg, P.Eng., during a dedication ceremony for a new APEGGA Conference Centre named in honour of Mr. Lindberg, APEGGA's 1997-98 President, who passed away shortly after completing his term.



APEGGA volunteers are involved in outreach programs at schools, science fairs and other venues. Workshops are held to help volunteers develop their presentation skills. At one workshop, University of Alberta civil engineering students Melanie Hancock (left) and Jessica Tillipugh try their hand at building a card tower.

APEGGA President Darrel Danyluk, P.Eng., (left) hands over used APEGGA computer, monitor and keyboard to Alberta Computers for Schools Program Manager Lucien Villeneuve. APEGGA encourages firms and members to donate used computers to be reconditioned for use in Alberta schools.



Minutes of the 79th Annual General Meeting

Friday, April 23, 1999 – Palliser Hotel, Calgary

D.R. Motyka, P.Eng. - Chair

President Dan Motyka, P.Eng., called the 79th Annual General Meeting of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, to order at 8:40 a.m. Approximately 185 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 Motyka, were introduced as follows: H. Neil Windsor, P.Eng., Executive Director and Registrar; Fred Otto, P.Eng., Past President; Darrel Danyluk, P.Eng., First Vice-President; and Connie Parenteau, P.Eng., Second Vice-President.

1. PAYMENT OF RESPECT TO MEMBERS DECEASED SINCE 1998 ANNUAL GENERAL MEETING

Members were requested to rise and observe a moment of silence in memory of those members who passed away since the 1998 Annual General Meeting (Appendix A).

GREETINGS FROM GOVERNMENT

Hon. Stan Woloshyn, Minister of Public Works, Supply and Services, addressed the assembly and sent greetings from government.

The Minister acknowledged Past President Dr. Fred Otto, P.Eng., and Neil Windsor, P.Eng., Executive Director and Registrar, for their contributions to the maintenance of a good relationship with government. The Minister also recognized APEGGA, and Deputy Minister Dan Bader, P.Eng., for their focus on working toward the betterment of the province, the people, and the professions.

The Minister reinforced that APEGGA is responsible for the practice of engineering, geology and geophysics in Alberta. He also spoke of the development of the Defined Scope of Practice which will recognize certain Technologists for their experience in specific fields and grant them the opportunity to work independently. APEGGA was commended for the development and implementation of the Continuing Professional Development Program. The Minister noted that APEGGA is, and continues to be highly supportive of education as is government.

2. ANNOUNCEMENT OF ELECTION RESULTS

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

Elected President *Darrel J. Danyluk, P.Eng.*
(unopposed)

Elected First *Sue E. Evison, P.Eng.*
Vice-President

Elected Second *Gordon D. Williams, P.Geol.*
Vice-President

Elected to Council:

Ken C. Porteous, P.Eng.

W.D. (Bill) Roggensack, P.Eng.

Ron S. Tenove, P.Eng.

Brenda M. Wright, P.Geol.

President Motyka expressed his appreciation to all who let their names stand for election but were unsuccessful.

3. OBJECTION, IF ANY, TO THE ELECTION RESULTS AS ANNOUNCED

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 1998 ANNUAL GENERAL MEETING

MOVED AND SECONDED

THAT the Minutes of the 1998 Annual General Meeting be approved as published.

CARRIED

5. BUSINESS ARISING FROM THE MINUTES

There was no business arising.

6. AUDITOR'S REPORT

MOVED AND SECONDED

THAT the Audited Financial Statements for the year ending December 31, 1998 be approved.

CARRIED

7. APPOINTMENT OF AUDITORS FOR 1999

MOVED AND SECONDED

THAT Bruce Childs, C.A. be appointed as Auditor for the year ending December 31, 1999.

CARRIED

8. PRESIDENT'S REPORT

The President's report for the 1998/99 term was published in the Annual Report. President Motyka gave a brief overview of the key aspects.

9. REPORTS OF BOARDS, COMMITTEES AND BRANCHES

MOVED AND SECONDED

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

CARRIED

10. CANADIAN COUNCIL OF PROFESSIONAL ENGINEERS

10.1 Chair of the Board

Richard Hancock, P.Eng., Chair Elect, was in attendance to bring greetings on behalf of CCPE. Mr. Hancock thanked APEGGA for its outstanding support and stated that he hoped CCPE can deliver all that APEGGA expects of it.

10.2 Alberta Director

The report from Dr. Fred Otto, P.Eng., Alberta Director to CCPE, has been published in the 1998 Annual Report on Page 27.

11. CANADIAN COUNCIL OF PROFESSIONAL GEOSCIENTISTS

11.1 Past Chair of the Board

Dr. Gordon Williams, P.Geol., Past Chair to the Board, brought greetings to the assembly on behalf of CCPG. Dr. Williams thanked APEGGA and expressed appreciation for its leadership over the past 10 years that the CCPG was being established.

Dr. Williams advised that the CCPG is currently working towards reciprocity to recognize geoscience qualifications. He also informed the assembly that two more provinces have passed legislation to license geoscientists; Manitoba and New Brunswick. It is hoped that Ontario and Nova Scotia will come on line in the next year.

11.2 Alberta Director

The report from Bob Comer, P.Geoph., Alberta Director to CCPG has been published in the Annual Report on Page 27.

12. NEW BUSINESS

12.1 Revisions to the Act, Regulations and Bylaws

Gordon Stewart, P.Eng., Chair of the Acts, Regulations and Bylaws Committee presented the proposed revisions. The revisions are as follows:

12.1.1 Defined Scope of Practice

MOVED AND SECONDED

THAT the membership endorse the changes to the EGGP Act as presented in Bill 18 to create Registered Professional Technologist (Engineering) and make provision for the creation of Registered Professional Technologist (Geological)(Geophysical)

CARRIED

It was also

MOVED AND SECONDED

THAT the membership salute the efforts of the Hon. Stan Woloshyn, M.L.A., Minister of Alberta Public Works, Supply and Services; Dr. Fred Otto, P.Eng., Past President of APEGGA; and Lois Sterner, R.E.T., President of ASET for their efforts leading to the introduction of Bill 18 to create Registered Professional Technologist (Engineering)

CARRIED

12.1.2 Regulatory Reform

MOVED AND SECONDED

THAT the membership adopt the regulations as presented.

CARRIED

12.1.3 Honorarium for President

MOVED AND SECONDED

THAT The Council may, in its sole discretion, confer payment to the President of the Association in such amount as may be determined by the Council as recognition of service to the Association by the President.

After discussion it was

MOVED AND SECONDED

TO Postpone the previous motion indefinitely.

CARRIED

12.2 Resolutions

There were no resolutions.

12.3 Other Business – call for any new business from the floor.

There was no other business.

13. APPOINTMENT OF NOMINATING COMMITTEE FOR 1999/2000

MOVED AND SECONDED

THAT the Council's recommendations for the composition of the 1999/2000 Nominating Committee be approved.

CARRIED

14. DATES FOR 2000, 2001, and 2002 ANNUAL GENERAL MEETINGS

14.1 2000 Annual General Meeting

Friday, April 28, 2000 in Edmonton, was confirmed as the date and location for the 2000 Annual General Meeting.

14.2 2001 Annual General Meeting

Friday, April 27, 2001 in Calgary, was confirmed as the date and location for the 2001 Annual General Meeting.

14.3 2002 Annual General Meeting

MOVED AND SECONDED

THAT Friday, April 26, 2002, in Edmonton be confirmed as the date and location for the 2002 Annual General Meeting.

The motion was amended and it was

MOVED AND SECONDED

THAT Saturday, April 27, 2002, in Edmonton be confirmed as the date and location for the 2002 Annual General Meeting.

CARRIED AS AMENDED

15. ISSUES FORUM

15.1 Task Force Reports

15.1.1 Emerging Disciplines Task Force –

Elizabeth Cannon, P.Eng.

15.1.2 Geoscience Task Force –

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

15.1.3 Workplace Issues Task Force –

Linda Van Gastel, P.Eng.

15.1.4 Regulation of Corporate Practice –

Mark Lasby, P.Eng.

15.2 Other Issues

There were no other issues

16. INDUCTION OF PRESIDENT ELECT

Out-going President Dan Motyka, P.Eng., commented on the seriousness of the issues facing APEGGA members in Alberta. He noted that only 1/5 of the membership participate in voting during the election and that more members should be aware of their responsibilities as professionals and get involved within the Association.

Mr. Motyka expressed that his tenure as president was a pleasure, a lot of fun, very trying, and hard work.

Out-going President Dan Motyka presented the Certificate of Office to in-coming President Darrel Danyluk who read and declared the Oath of Office of the President of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

Darrel Danyluk stated that he accepts the position of President with pride and hopes to carry forward the good works of the previous members of the Executive.

Mr. Danyluk recognized the work and dedication of Dan Motyka during his tenure as First Vice-President and then as President, especially during the period Mr. Motyka had to take on additional responsibilities when Past President Dennis Lindberg became unable to carry out his presidency.

Mr. Danyluk thanked Dan Motyka for his mentorship and also thanked Fred Otto for his dedication to the ASET resolution and relationship building. The efforts of the out-going Council and Executive were also recognized.

17. ADJOURNMENT

The meeting adjourned at 11:40 p.m.



APEGGA's 1999 Annual General Meeting was held in Calgary. Photos shows members signing in and at the microphone during the meeting.



IN MEMORY*APEGGA MEMBERS DECEASED**SINCE APRIL 1998 ANNUAL GENERAL MEETING*

ADAMACHE, Ion, P.Eng.	Member	KNOWLES, Ronald Douglas, P.Eng.	Life Member
BATES, George Robert, P.Eng.	Life Member	KONOPASEK, Peter Anthony, P.Eng.	Life Member
BATYCKY, Jimmy P., P.Eng.	Member	LAPOINTE, Gary Brian, P.Eng.	Member
BERCIER, Ron, P.Eng.	Member	LEA, Richard Higgins, P.Eng.	Member
BINDER, Romuald, P.Eng.	Member	LINDBERG, Dennis Arnold, P.Eng.	Member
BLAIR, William, P.Geoph.	Life Member	LOGAN, David Hugh, P.Eng.	Life Member
BRAY, John Allan, P.Eng.	Life Member	LUBARSKY, Robin Lynn, P.Eng.	Member
BUGARESTI, Stanley, P.Eng.	Member	MARSH, Jack R., P.Eng.	Member
CHILTON, William Everett, P.Geol.	Life Member	MARTIN, H. Milton, P.Eng.	Life Member
CLARE, Ronald Thomas, P.Eng.	Member	MARTYNKIOW, Wolodymyr Josef, P.Eng.	Member
CLARKE, Philip Alfred, P.Eng.	Life Member	MAY, Bruce Kenneth, P.Geol.	Member
COWAN, George Archibald, P.Eng.	Life Member	McMORLAND, Donald, P.Geol.	Life Member
CRAWFORD, Russell Sylvester, P.Eng.	Life Member	MUNZ, Albert Emerich, P.Eng.	Member
CROSBY, Albert Powell, P.Eng.	Life Member	PIVORAS, Kenneth R., P.Eng.	Member
CULHAM, Dale Glenn, P.Eng.	Member	RITCHIE, Christopher, P.Eng.	Life Member
FISK, Raymond Arthur, P.Eng.	Life Member	ROBINSON, Donald Baker, P.Eng.	Life Member
FORBES, Allan James, P.Eng.	Life Member	SAFRONEK, Emil, P.Eng.	Life Member
GRAMMS, Lorne Clifford, P.Eng.	Member	SALDAT, Peter Philip Andrew, P.Eng.	Life Member
HALFERDAHL, Laurence Bowes, P.Eng., P.Geol.	Member	SARKAR, Sukhamoy, P.Eng.	Member
HALL, R. Douglas, P.Eng.	Life Member	SAUNDERS, William Allison Baxter, P.Eng.	Life Member
HINGER, Mark J., E.I.T.	M.I.T.	SHIMBASHI, Albert, P.Eng.	Member
HOEPER, Ernst, P.Eng.	Life Member	SHORT, John Fraser, P.Eng.	Life Member
HOLLAND, John Branton, P.Eng.	Life Member	SILVERS, Paul, P.Eng.	Life Member
HORRICKS, Manville Graeme, P.Geol.	Life Member	SMITH, Glenn Richard, P.Eng.	Life Member
HRUSKA, Garry Brian, P.Eng.	Member	SNOW, Alfred Harold Grant, P.Eng.	Life Member
HUISMAN, Jan, P.Eng.	Life Member	TAYLOR, Paul Arthur, P.Eng.	Life Member
JONES, Donald, P.Eng.	Member	VAN AELST, Walter Alfons August, P.Eng.	Member
JONES, Matthew Brown, P.Eng.	Life Member	WEISS, Ervin Louis, P.Eng.	Life Member
KANASEWICH, Ernest Raymond, P.Geoph.	Member	WESTMORE, Hilton H., P.Eng.	Life Member
KENT, Patrick Henry, P.Eng.	Member	WILLSON, John Norman, P.Eng.	Life Member

AGENDA — 80th Annual General Meeting

Friday, April 28, 2000, Salon 12, Shaw Conference Centre, Edmonton

1. PAYMENT OF RESPECT TO MEMBERS DECEASED SINCE 1999 ANNUAL MEETING
2. ANNOUNCEMENT OF ELECTION RESULTS
3. OBJECTION TO ELECTION RESULTS
4. MINUTES OF THE 1999 ANNUAL GENERAL MEETING
5. BUSINESS ARISING FROM THE MINUTES
6. AUDITOR'S REPORT
7. APPOINTMENT OF AUDITORS FOR 2000
8. PRESIDENT'S REPORT
9. REPORTS OF BOARDS, COMMITTEES AND BRANCHES
10. CANADIAN COUNCIL OF PROFESSIONAL ENGINEERS
 - 10.1 Chair of the Board
 - 10.2 Alberta Director
11. CANADIAN COUNCIL OF PROFESSIONAL GEOSCIENTISTS
 - 11.1 Chair of the Board
 - 11.2 Alberta Director
12. NEW BUSINESS
 - 12.1 Revisions to the Act, Regulations and Bylaws
 - 12.2 Resolutions
 - 12.3 Other Business
13. APPOINTMENT OF NOMINATING COMMITTEE FOR 2000/2001
14. DATES FOR 2001, 2002 AND 2003 ANNUAL GENERAL MEETINGS
15. ISSUES FORUM
 - 15.1 Task Force Reports
 - 15.1.1 Emerging Disciplines Task Force
 - 15.1.2 Geoscience Task Force
 - 15.1.3 Relevance Task Force
 - 15.2 Other Issues
16. INDUCTION OF PRESIDENT
17. ADJOURNMENT



APEGGA

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