



2000 COUNCIL ELECTIONS

Following are statements from the candidates. Candidates for each office are presented in alphabetical order. Statements or claims by candidates are not verified and are the sole responsibility of the candidates themselves. The only editing is with regard to total number of words and, if editing is required in this event, it has received the candidate's approval.

PRESIDENT-ELECT (ALL MEMBERS VOTE) ONE-YEAR TERM



KAM ELGUINDI, PHD, P.ENG.
President & CEO, Imasar Engineering Inc.
Concord

Biographical Summary

A graduate of the University of Waterloo in 1971, with a master's degree in chemical engineering, and a holder of a PhD in chemical engineering from Pacific Western University in the United States.

Personal Profile

- ◆ **Winner** of Ontario's 1996 Outstanding Achievement Award for Volunteerism
- ◆ **Advisor**, Canadian Industrial Innovation Centre, Waterloo, Ontario, 1982-90
- ◆ **Founder and President**, Professional Engineers of the Government of Ontario (PEGO), 1991-93
- ◆ **Member**, Joint Central Committee of Government's Management Board, 1993-96
- ◆ **Judge and Coordinator**, Canada Science Journalism Awards Program, since 1984
- ◆ **Director**, the Canadian Society for Professional Engineers (CSPE), 1985-92

PEO Experience

- ◆ **Councillor-at-Large**, 1998-2000
- ◆ **Lieutenant Governor-in-Council Appointee (LGA Councillor)**, 1993-96
- ◆ **Chair**, Government Affairs Committee
- ◆ **Chair**, Experience Requirements Committee
- ◆ **Member**, Discipline Committee, Environment Committee and Advisory Committee on Committees (ACC)
- ◆ **PEO member** for 29 years



I am honoured to be selected by the Central Nominating Committee for the position of President-elect.

As a member of PEO for 29 years, I have been involved in its activities as a Lieutenant Governor-in-Council Appointee to Council, as a Councillor-at-Large, and as a member of the Discipline and Environment committees, and Advisory Committee on Committees.

As President-elect I would:

- ◆ Champion a more proactive role in enforcing the Professional Engineers Act, to ensure that engineering is done by professional engineers.
- ◆ Acknowledge and support emerging "engineering" disciplines; ensure that each "engineering" program has sufficient engineering content to qualify its graduates for registration.
- ◆ Encourage and support women engineers' professional activities, goals, interests and concerns.
- ◆ Optimize PEO's budget planning and expenditures to achieve more "bang" for each buck.
- ◆ Continue the recent Council policy of openness, fairness and responsiveness to the opinions of members; continue to involve members in the management of change through committees and through the chapters.
- ◆ Ensure that any assessment of continuing competence is meaningful, not a hardship to members or an administrative nightmare to implement.
- ◆ Support an effective, independent advocacy body to enhance the professional and economic status of engineers and strengthen the voice of the profession.

I believe that my qualities of leadership and of being a team player, and my experience working in industry and government, as well as my PEO experience as a Councillor, will enable me to advance PEO toward meeting the challenges our profession will face as it enters the next millennium.

Positions Filled by Acclamation

Vice President

Christopher D. Roney, P.Eng., Kingston (Civil)
BSc (Hon.), Queen's '90
Vice President, Roney Engineering Limited, Kingston

Eastern Region Councillor

Colin Cantlie, P.Eng., Nepean (Engineering Physics)
BSc, Queen's '79
MSc, Queen's '83
Software Research Design & Development, Nortel Networks, Ottawa

Northern Region Councillor

Tony Cecutti, P.Eng., Sudbury (Civil)
BASC, Waterloo '86
Project Engineer, Earth Tech (Canada) Inc., Sudbury



G. GORDON M. STERLING, P.ENG.
Chairman, The Office Planners and Users
Group
Toronto and Philadelphia

Nominated By:

The Nominating Committee

Education

- ◆ BAsC, Mechanical Engineering, University of Toronto, 1959
- ◆ Master of Engineering credits, Iowa State University, 1975

Professional Career

1959-1992: **Bell Canada**

- ◆ Associate Director and Director positions in engineering design, construction and equipment maintenance

1992-present: **Chairman, The Office Planners and Users Group**

- ◆ International conferences on Office Building Environmental Design
- ◆ **Lecturer:** Building Environmental Design, Acoustics, Ergonomics, Lighting

PEO Activities

Council: 1984-1992; 1998-2000—Elected East Central Region Councillor (9 years)

- ◆ **Committees:** Executive, 1998-2000
 - Regional Councillors
 - Joint Advocacy Implementation
 - Finance
 - Professional Development
 - Communications
 - Professional Practice
 - Discipline
 - Appeal Board
 - Salary Advisory
 - Employee Practice
 - Awards
 - Registration
 - Advisory Committee on Committees
 - President, PEO Foundation for Education

- ◆ **Chapter:** Willowdale-Thornhill Chapter Executive, 25 years, six terms as Chair

Registration

- ◆ Ontario, 38 years

Other Professional Affiliations

- ◆ IFMA, EFE,ASHRAE, CSA Technical Committee—Office Environmental Design

Community Service

- ◆ Canadian National Exhibition Board of Directors, two years
- ◆ Ratepayers Association, four years

PEO Awards

- ◆ Order of the Sons of Martha, 1983
- ◆ Order of Honour (Officer), 1994



We must strengthen our profession and make it more vibrant and flexible to meet the challenges and opportunities facing us in the next millennium. Strong advocacy for our profession and its members is essential at all levels (governments, business, organizations, the public). It is imperative that society recognizes the role of engineers in everyday life. Members must have the ability to better control their destiny.

In my 25 years of chapter experience and nine years as your member on Council, I have always represented the members' voice. I support an open Council responsive to members' input.

My goals are:

- ◆ Establish and assist to maintain a successful "Ontario Society of Professional Engineers," in cooperation with the Canadian Society for Professional Engineers, to advocate for the professional, societal and economic interests of members.
- ◆ Increase enforcement against misuse of the title "engineer."
- ◆ Increase awareness of the requirements that engineering work be performed by only licensed professionals.
- ◆ Encourage engineers to join PEO.
- ◆ Implement new admissions procedures and an appeal process to ensure fairness, while maintaining high standards.
- ◆ Ensure PEO concentrates on its regulatory functions to protect the public.
- ◆ Increase assistance to the chapters to better support their constituents.
- ◆ Support members' self-identified professional development needs.
- ◆ Include new emerging fields of engineering (e.g. software engineering).

I believe that a profession is only as strong as its members. With my proven leadership, and experience on Council and chapters, I will ensure that your voice is heard. I ask for your support.

Election Timetable

Ballots mailed by January 31, 2000.

Ballots returned by February 29, 2000.

New Council takes office April 15, 2000.



**A. AZIZ AKHTAR, D.F.H. (HONS).
LONDON, P.ENG.
West Hill**

Member of PEO since 1963

Employment History

- ◆ Retired as Senior Design Specialist, Ontario Hydro Corporation
- ◆ Transformer Design Engineer, English Electric Canada
- ◆ Transformer Design Engineer, Associated Electrical Industries (AEI) Rugby
- ◆ Siemens Schuckert Werke Erlangen

(Some) Professional Activities

- ◆ Secretary Treasurer, Society of Professional Engineers & Associates Ontario Hydro (SOHPEA)
- ◆ Chairman, Salaried Engineers Division, APEO
- ◆ Past President, Canadian Society for Professional Engineers

Spearheaded the following:

- ◆ A brief to the McDonald Commission on economic development, tax incentives/benefits of training graduate engineers and R&D.
- ◆ Assisted and provided forum to groups of engineers like WISE (Women in Science and Engineering), IEE (Institution of Electrical Engineers—U.K.) and Pacific Rim Chapter of Professional Engineers.
- ◆ Held symposium and seminars to help engineers when laid off or wrongfully dismissed.
- ◆ Debunked the myth of the shortage of engineers.
- ◆ Member of the Joint (PEO-CSPE) Advocacy Implementation Committee.



PEO must continue the policy of accountability and member participation in the decision-making process, as championed by Past Presidents Bilanski and Quinn. We must also continue to appreciate and support the interests and concerns of women engineers.

Admissions, complaints, discipline and enforcement have been studied extensively, action is overdue. We must be proactive toward emerging technologies and ensure that academic programs purporting to be “engineering” have the engineering content required for registration purposes. We must not allow students, the public, clients or employers to be misled.

Engineers and the profession need and deserve an effective, independent voice, providing a positive influence on those elements impacting on engineers and their profession. Although lobbying by PEO may be inappropriate, lobbying by the advocacy/member service organization is a legitimate activity. Let us benefit from the experience of other established professions. A viable advocacy/member-interest body could help to enhance the professional and economic status of engineers and to allow PEO to concentrate on its regulatory duties.

Effective enforcement by PEO and support for a separate advocacy/member services organization will balance in some measure the invisible hand of market forces that may otherwise deprive engineers of their due rewards and proper exercise of their professional judgment.

I feel privileged to have been called upon by the President, Past President and President-elect to stand for this position and seek your support, so I can contribute toward implementation of policies so carefully formulated by Council and approved by members.



**DANIELA E. ILIESCU, P.ENG.
Head of Electrical Department, Colt
Engineering (Ontario) Corporation
Toronto**

Education

- ◆ Diploma of Engineer (equivalent to Canadian master's degree) from the Faculty of Electrical Engineering and Energetics, University of Bucharest, Romania

Employment

- ◆ Head of Electrical Department, Colt Engineering (Ontario) Corporation
- ◆ Senior Electrical Engineer, Giffels Associates Ltd.
- ◆ Senior Electrical Engineer/Group Leader, Lummus Canada
- ◆ Engineering, management and executive positions in construction, consulting and manufacturing

PEO Activities

- ◆ LGA Councillor, 1992-98
- ◆ Member of Discipline Committee, since 1992
- ◆ Member of Women in Engineering Advisory Committee, since 1992

Registration with Profession

- ◆ Professional Engineers Ontario, since 1977
- ◆ APEGGA (Alberta), since June 1999
- ◆ APEGBC (British Columbia), since April 1999
- ◆ APENS (Nova Scotia), since 1998
- ◆ APENB (New Brunswick), since April 1999
- ◆ PEO Designated Consulting Engineer, since 1992

Professional Affiliations

- ◆ Canadian Society for Professional Engineers, since 1982
- ◆ IEEE Petroleum and Chemical Industry Conference—2001 Toronto Conference Committee



I am honoured to be nominated by the Nominating Committee to stand as a candidate for PEO Council as Councillor-at-Large, at the beginning of the millennium, where constant change is our only constant. More than ever before, we have an opportunity to broaden our thinking, to adopt a new perspective and to reestablish the value of the engineering profession to the marketplace.

The status of engineers has to be improved, and there is a need for proper recognition by society of the benefits received from our profession. We need a viable advocacy association to provide an independent voice for engineers.

New fields of applied science are developing rapidly, and we are missing opportunities by being too slow in recognizing them. To many recent engineering graduates, registration is not a major issue, as they are entering fields where employers do not look for professional licensure. We have to address the issue of emerging new disciplines, changes within the traditional ones and the industrial exemption.

PEO members must be involved in solving the issues of the profession. PEO has to be open, fair and responsive to members' opinions. Major changes to PEO governing rules must be ratified by the membership. We all need to take responsibility for the future of our profession, and encourage a larger number of our members to be active in our association.



DANNY CHUI, P.ENG.
 Manager, Capital Works, Exhibition Place
 Toronto

Education

- ◆ Courses: Construction Law, Construction Claims and Inspection for Building Code, 1993-95
- ◆ Certificates in Personnel & Management Studies, Sheridan College, 1992
- ◆ BSc in Civil Engineering, University of Calgary, 1984
- ◆ Certificate in Civil, Ryerson Polytechnical Institute, 1976
- ◆ Certificate in Mechanical, Hong Kong Polytechnic, 1973

PEO

- ◆ Councillor, 1994-96, 1997-2000
- ◆ Committees:
 - Executive-1995-96, 1997-2000
 - Appointed VP-1998-99
 - Chair, Finance-1998-2000
 - Regional Councillor-1994-96, 1997-2000
 - Discipline-1994-96, 1997-2000
 - Advisory Committee on Salaries-1994-96
 - Annual Conference-1994-95, 1997-98
 - Chair, Regional Nominating-1994 and 1998
 - Engineering Action Forum-1995-98
 - Awards-1997-98
- ◆ Mississauga Chapter (1986-99): Chair, 1992-94; Vice-Chair, 1990-92; Secretary, 1988-90

Affiliations

- ◆ Ontario Construction User Council, its Labour Relations and Health & Safety Committees
- ◆ Past Member:
 - APEGGA (Alberta)
 - American Society of Civil Engineers (USA)
 - ASET-Technologist (Alberta)
 - OACETT-Technician (Ontario)
 - Mississauga Library Board

Community

- ◆ Assistant Coach, Mississauga Soccer and Baseball Associations, 1990-98



Financial accountability of PEO has always been a concern of our membership and particularly myself. In my early years on Council, with only my voice and a couple of others, I felt handicapped in promoting PEO efficiency and other issues important to our members. Since the membership has spoken in the last few years, Council is gradually changing. It has been dealing with issues head on and been responsive to members' opinions. Council appreciated my businesslike approach to looking for efficient ways of using resources, and consequently appointed me to the Finance Committee to follow through on its direction.

Unemployment, underutilization and erosion of economic status are challenges facing Ontario engineers. I believe that PEO should concern itself only with programs relevant to its regulatory functions. Although PEO has done well in regulating the profession, members' interests are best served by an independent, effective and viable advocacy body. A referendum question will soon be sent to members for approving the formation of this new advocacy organization. I sincerely urge all members to support this development, so that our profession will shine once again in our society and Ontario will be a better place for engineers.

There are still many issues facing our profession, such as emerging disciplines, the industrial exemption, a revised licensing model, etc. These all require delegated members on Council to deal with them for our membership. Let this be my job for you over the next two years. I need your help to make changes, and your support is appreciated.



GEORGE R. COMRIE, P.ENG., CDP, CMC
 President, Data Design Systems, Inc.
 Mississauga

Nominated By:

West Central Region Nominating Committee

Education:

- ◆ BAsC (Industrial Engineering), University of Toronto, 1970
- ◆ MEng (Industrial Engineering), University of Toronto, 1973

Employment:

- ◆ 1989 - Present: President, Data Design Systems, Inc.
- ◆ 1986-89: Principal, RMC Resources Management Consultants Ltd.
- ◆ 1980-86: Technical Director, Ontario Police Information Centre
- ◆ 1975-80: Associate, RMC Resources Management Consultants Ltd.
- ◆ 1971-75: Lecturer and Undergraduate Secretary, Department of Industrial Engineering, University of Toronto

PEO Activities:

- ◆ 1999 - Present: Convenor, Engineer-in-Residence Subcommittee
- ◆ 1996-98: Chair, Education Committee
- ◆ 1993-95: Member, School Outreach Committee
- ◆ 1992-94: Chair, Etobicoke Chapter
- ◆ 1990 - Present: Executive Member, Etobicoke Chapter
- ◆ 1975 - Present: Organizer, Metro Toronto Engineering Careers Nights

Registered:

- ◆ 1973 (APEO)

Other Affiliations:

- ◆ Member of CSPE
- ◆ Certificant of the Institute of Certified Management Consultants of Canada (CMC)
- ◆ Certificant of the Institute for Certification of Computer Professionals (CDP)



Our profession requires strong leadership and member involvement, as we work to resolve fundamental issues that will determine how we will govern ourselves and be recognized in the next century. Our challenges include how to enhance our (perceived) accountability and protection of the public interest, while ensuring that engineering work is performed by licensed professional engineers. We also need to address member concerns for additional services and a stronger voice promoting their value to Ontario society.

I am committed to strengthening the image and influence of professional engineers. That is why I continue to promote our educational outreach activities, through which we can strengthen our identity and importance as professionals in the minds of the public. But we need to be more proactive in speaking out on public issues and participating in the political process. I hope the new advocacy body will enable us to accomplish these objectives.

Our profession's strength lies in its members' ingenuity and commitment. I remain committed to the chapter system as the primary means to develop its leadership and to involve members in setting and supporting its direction. We need to set aside our differences on governance issues and work together for the betterment of the profession and the society it serves.

My vision for engineering in the next century is a cohesive, vibrant and influential self-governing profession in a society that recognizes and appreciates engineers for their contribution to its health and prosperity. Thank you for allowing me the opportunity to contribute to achievement of this vision.



TAREQ (TERRY) H. KAWAR, P.ENG., PMP
Senior Project Manager,
Stream Intelligent Network
4100 Yonge Street, Suite 408
Toronto, ON M2P 2B5
Tel: (416) 224-8004
Fax: (416) 224-3015

Education

- ◆ BSc Civil & Environmental Engineering, University of Wisconsin-Madison, 1985

Employment

- ◆ Stream Intelligent Network
- ◆ Sprint Canada
- ◆ Delcan International Corporation
- ◆ Totten Sims Hubicki Associates
- ◆ Cansult Group Ltd.
- ◆ Deloitte Touche Tohmatsu Consulting

PEO Activities

- ◆ Member since 1996
- ◆ Committees: Website Committee, Willowdale-Thornhill Chapter
Wireless Communication Committee, Willowdale-Thornhill Chapter
- ◆ Chapters: Vice Chair, Willowdale-Thornhill Chapter

Other Professional Associations

- ◆ Project Management Institute

Community Service

- ◆ Vice President, McKee Home & School
- ◆ Area Captain, March for Dimes



I am happy to be nominated for such a prestigious position. This nomination comes with great responsibilities to my fellow engineers and to the profession.

I believe that:

- ◆ As a Councillor, I should strive to put forward the wishes of the executive members of the chapters I represent. Their voices should rise above my own personal beliefs.
- ◆ Some of PEO's bylaws do not represent the changing times. I will propose to the chapters I represent to bring forward any amendments that are relevant.
- ◆ The Joint Advocacy Implementation Committee is responding to our profession's request for promoting our deserved place in society. I also believe that the committee should be responsive to the chapter system.
- ◆ Emphasizing harmony among our members will promote our well being and attract new members to our association.

When elected, I will dedicate my energy to implement what I stand for.



ERIC Z. NEJAT, PHD, P.ENG.
President, E.Z.Nejat & Associates Inc.,
Consulting Engineers
Richmond Hill

Education

- ◆ PhD, University of Liverpool
- ◆ MSc (Eng), University of London (Imperial College)
- ◆ MEng, University of Tehran

Employment History

- ◆ Have been involved in the practice of engineering since 1971.
- ◆ Currently president of E.Z.Nejat & Associates Inc., a Consulting Engineering office providing specialized engineering services.
- ◆ Have taught engineering courses and have performed research at universities of Toronto and Tehran.

PEO Activities

- ◆ Regional Councillor, 1994-96
- ◆ York Chapter Executive, 1987-Present
- ◆ York Chapter Chair, 1990-92

Currently member of:

- ◆ Communications and Consulting Engineer Designation committees
- ◆ Engineering Innovation Forum/Engineering Action Forum, since 1990;
Program Committee Chair, Year 2000

Past member of:

- ◆ Advisory Committee on Committees
- ◆ Discipline Committee
- ◆ Editorial Board
- ◆ Regional Councillors Committee
- ◆ Task Force on Universities and Learned Societies

Professional Affiliations

- ◆ Member of ASHRAE (Technical Comm.), ASME, ISPE, CSA (Technical Comm.)

Community Service

- ◆ Advisor, Upper Rouge Network, Richmond Hill Chapter
- ◆ Member, Ecological and Environmental Committee, Town of Richmond Hill, 1991 & 1994-97
- ◆ Active in the community on environmental and youth education issues

Awards

- ◆ York Chapter Engineer of the Year Award, 1998

Publications

- ◆ Over 30 technical publications



PEO is currently going through a transitional period. Following are some of the major issues facing the new Council:

- ◆ Creation of a viable advocacy body to serve the interests of professional engineers, as has been approved in principle by Council.
- ◆ Continuous consultation with the general membership on major issues affecting members, by means of referendum.
- ◆ Revitalization of the chapter system as a viable source of grassroots input to Council and committee members.
- ◆ Addressing emerging areas of engineering practice and creation of related regulations.
- ◆ Enforcement of the act to eliminate further erosion to the bases of engineering practice.
- ◆ Encouraging involvement of experienced, retired professional engineers in the affairs of PEO, by setting a nominal senior membership fee.
- ◆ Continuous fiscal accountability for PEO and Council openness to members.

I have stayed involved and current with the new developments in the important issues related to our profession. I am confident that, with the experience I have, I can serve you and the profession effectively on Council. I ask for your support in the upcoming election. Thank you and best wishes.



ROYAN ANTHONY WARNER, P.ENG.
President, VE Collective Inc.
Markham

Anthony has been licensed since 1992 and actively engaged with York Chapter since 1997, serving first as awards coordinator and currently as treasurer. He holds a Certificate of Authorization and practises as a consulting engineer for the Virtual Engineers Collective.

In public life, he was a director of a Montreal business association, and was given a Quebec Ministry of Industry and Commerce award for his work toward the economic development of Quebec, while executive vice president, corporate affairs, for Le Groupe Westcan. He has given several presentations, most recently on virtual engineering and engineering on the Internet.

His engineering positions were with Alcan, Fenco-Lavalin, MacLaren Engineers, Raytheon Engineers and CG&S.

His education includes an MSc from a joint MSc/MBA program, Columbia University, New York, 1985; Canadian Finance and Marketing, McGill University, 1986; and a BSc Chemical, UWI, 1980. He has received Fellowships from the OAS and Alcan. His favourite book is Capitalism and Freedom.



Anthony is the founder and president of Virtual Engineers, VE Collective Inc., a company dedicated to embracing the conversion of engineers from employees, to professionals practising in the virtual marketplace and using Internet technologies. Early this year, he will be launching www.e-engineer.com, to provide e-commerce-based engineering services for all contracted virtual engineers and clients across Canada and the United States. This new business approach to engineering is needed on Council to bring PEO into the 21st century.

As an election candidate, his platform is "Professional Sense Revolution." He is committed to seizing opportunities and generating and supporting ideas leading toward reengineering PEO, by stimulating the development and implementation of PEO's long-range plans. This is required to keep PEO at the leading edge of technology, as well as maintaining the trailing wake. He stands by his belief that PEO should develop strategic partnerships and innovative financial solutions to solving members' problems, while protecting the public. Consequently, we, the professional engineers, would benefit from having PEO embrace and capitalize on the changes that are taking place and electing Councillors to embrace and manage change.

Anthony's successes have come from implementing teams and new strategies to seizing opportunities, and solving problems associated with them. He is also a skilled communicator and negotiator, two assets that are essential in successfully managing today's changing environment.

To better manage the changing PEO and your professional life, vote for Anthony Warner, P.Eng.

axiomatic P.d. ad



JOHN DAVID VESSOT ADAMS, P.ENG.
 President, Quality Performance
 Engineering Inc.
 386 14th Avenue
 Hanover, Ontario N4N 2Y1

Education

- ◆ MBA, University of Western Ontario (Ivey School of Business), 1958
- ◆ BEng, McGill University, 1955

Employment History

- ◆ Project Engineer, Abitibi Paper Co., Cockshutt Farm Equipment and Canadian Industries, 1957-63
- ◆ Financial Analysis and Planning, Rio Tinto Zinc Group, London, England and Toronto, 1963-66
- ◆ Manager, Administration and Planning, Canadian Gypsum Co., Toronto, 1966-72
- ◆ Manager, Logistics and Finance, Massey Ferguson Co., Toronto, 1972-79
- ◆ President and Owner, Canada Spool and Bobbin Co., 1979-88
- ◆ President, Quality Performance Engineering Inc., 1988-Present

PEO Activities

- ◆ Registration with PEO, Mechanical Engineering, 1960
- ◆ Served on chapter executive in Don Mills and Hanover; three years as secretary treasurer, four as chapter chair

Affiliations

- ◆ Past President, Rotary Club
- ◆ Member, Who's Who in Canada and USA, since 1963
- ◆ International Men of Achievement, 1986



It is important that we remain current in our engineering disciplines. Self-declaration of competence in the field in which each of us practise is the preferred method of regulation. It appears to have worked well in the past, so let us continue with it. The proposed advocacy format should support this modus operandi by compiling an availability list of excellent texts, seminars and courses on subjects requested by the membership at large, so that we can fulfill our obligation to remain competent, even if located in a remote area.

An advocacy presence would also strengthen the chapter system by better serving individual engineers, as well as providing PEO with the staff and opportunity to recommend to provincial and federal authorities suitable plans and expenditures for engineering education and industrial policy initiatives.

Another pressing issue facing Council is the incorporation and regulation of the newer and emerging technologies, such as computer and biological sciences. When it comes to applying these sciences, the public would benefit immensely from a formal relationship with engineering principles and practice. Let's break this new ground with a truly entrepreneurial spirit, catch up with the fields currently in existence and lead the way in expanding the practice of engineering.

Your support in promoting these objectives would be much appreciated.



JOSEPH H. GREGSON, P.ENG.
 Sarnia

Education

- ◆ MSc, McMaster University, 1951
- ◆ While working on my MSc, I designed and built a thyroid scanner, which allowed medical researchers to establish that the thyroid gland's activity was not homogeneous.

Career Achievements

- ◆ Canada Westinghouse—designed and built an electronic high frequency power supply, with automatic settings for frequency and voltage for industrial use.

My career has been punctuated with several design firsts for North America or the world:

- ◆ thyroid scanner;
- ◆ autopilot for the Avro Arrow;
- ◆ electronic high frequency power supply;
- ◆ line of solid state controllers for commercial electric heating; and
- ◆ solid state digital telemetry system for the longest and most complicated pipelines in the world.

My career path has gone from design, to project, to Chief Engineer, and from Manager of Manufacturing, to VP, Engineering, to company President. I can claim some expertise in union negotiations, wage and salary administration, and quality control, having participated in and/or controlled all of these activities.



The next few years are going to be challenging ones for Canadian engineers and manufacturers, because of World Trade Organization (WTO) agreements. As citizens, engineers will have to become more vocal on matters that will affect Canadian society. In addition, our own profession will be undergoing structural change with the emergence of the Ontario Society of Professional Engineers and the subsequent division of regulatory and non-regulatory responsibilities.

I believe that Canadian engineers have a unique ability to do more with less. This was corroborated by Fred Walker, President of GM Diesel, in a discussion with Arnold Edinborough, the guest speaker at a Chamber of Commerce banquet in London, who spoke on "Automation as a Creator of Joblessness." In providing engineering support to our Honeywell manufacturing of the CF104 Autopilot, I requested a production engineer from the Minneapolis facility to replace my process engineer, who was about to go on a one-month leave. I was told that this function in Minneapolis was filled by six engineers, each providing only one function performed by the Canadian engineer.

I have proved to my own satisfaction that, if left to their own devices, Canadian engineers and manufacturers can produce goods more cheaply and of better quality than their U.S. counterparts.

I was awarded the PEO Order of Honour in recognition of my service to the profession. I solicit your support, as I continue to support the engineering profession passionately through my voluntary work for it.